

2022 NATIONAL HEALTHCARE QUALITY AND DISPARITIES REPORT APPENDIX B. QUALITY TRENDS AND DISPARITIES TABLES

Appendix B contains data tables showing trends in quality for measures by topic (e.g., Access, Person-Centered Care), as well as single-year disparities information by demographic group (e.g., race, income). Data years vary by measure and data source and some data may not be available for some measures or groups.

Data Source Changes Due to the COVID-19 Pandemic

In response to the 2019 novel coronavirus (COVID-19) public health emergency, the Centers for Medicare & Medicaid Services (CMS) granted exemptions to the current Medicare quality reporting requirements and value-based purchasing program requirements for 2020 quarters 1 and 2. Provider participation in Q1 and Q2 2020 was voluntary, and results were not publicly reported. Therefore, the NHQDR tables for hospital, hospice, and home health measures using 2020 CMS data are based on Q3 and Q4 2020 only. This approach is consistent with the publicly available data files on <http://www.cms.gov> in the Provider Data Catalog for 2020 for the Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS), CAHPS Hospice, and Home Health CAHPS. Data from the Outcome and Assessment Information Set are from the last two quarters of 2020 and data from the Quality and Safety Review System were collected only for the last quarter of 2020.

The 2020 National Health Interview Survey (NHIS) data collection switched to a telephone-only mode beginning March 19, 2020. Personal visits resumed in all areas in September 2020, but cases were still attempted by telephone first. These changes resulted in lower response rates and differences in respondent characteristics for April–December 2020. Differences observed in estimate between April and December 2020 and earlier time periods may still be affected by these changes. NHIS data are based on household interviews of a sample of the civilian noninstitutionalized population.

The data collection for the 2020 National Survey on Drug Use and Health was also modified due to the pandemic.

Abbreviations Used in Appendix B

AI/AN: American Indian or Alaska Native

NHPI: Native Hawaiian/Pacific Islander

NHQDR: *National Healthcare Quality and Disparities Report*

PG: poverty guideline

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Access to Care

Access to healthcare means having “the timely use of personal health services to achieve the best health outcomes.”¹

Importance

Access to comprehensive, quality healthcare services is important for promoting and maintaining health, preventing and managing disease, reducing unnecessary disability and premature death, and achieving health equity for all Americans.² Attaining good access to care means having:

- Health insurance that facilitates entry into the healthcare system.
- Timely access to needed care.
- A usual source of care with whom the patient can develop a relationship.
- The ability to receive care when there is a perceived need for care.

Key Findings

Access to care measures that improved overall include:

- People under age 65 who were uninsured all year.
- Children who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed.
- People under age 65 with any period of uninsurance during the year.

Access to care measures that showed large disparities include:

- People under age 65 with any private health insurance.
- People in fair or poor health with a specific source of ongoing care.
- People under age 65 with health insurance.
- People with a specific source of ongoing care.

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1. Institute of Medicine, Committee on Monitoring Access to Personal Health Care Services. Access to Health Care in America. Millman M, ed. Washington, DC: National Academies Press; 1993. <https://www.ncbi.nlm.nih.gov/books/NBK235882/>. Accessed September 21, 2022.
 2. Office of Disease Prevention and Health Promotion. HealthyPeople.gov. Access to Health Services. <https://www.healthypeople.gov/2020/topics-objectives/topic/Access-to-Health-Services>. Accessed August 20, 2022.



Chapter: Access
Section: Getting Appointments for Care

Appendix Table 1.1. Measure: Adults who had any appointments for routine health care in the last 12 months who sometimes or never got an appointment for routine care as soon as needed

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	26.0	2019	26.0	-----	-----	=====	=====	=====	=====	=====	=====
Race	White	2019	24.4	2019	24.4	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2019	42.0	2019	42.0	-----	-----	=====	White	24.4	42.0	72.1	Worse
	Asian	2019	34.8	2019	34.8	-----	-----	=====			34.8	42.6	Worse
	Black	2019	29.7	2019	29.7	-----	-----	=====			29.7	21.7	Worse
	Multiple races	2019	30.1	2019	30.1	-----	-----	=====			30.1	23.4	Same
Ethnicity	Non-Hispanic, White	2019	21.6	2019	21.6	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2019	38.8	2019	38.8	-----	-----	=====	Non-Hispanic, White	21.6	38.8	79.6	Worse
	Non-Hispanic, all races	2019	23.9	2019	23.9	-----	-----	=====			23.9	10.6	Worse
	Non-Hispanic, Asian	2019	34.9	2019	34.9	-----	-----	=====			34.9	61.6	Worse
	Non-Hispanic, Black	2019	29.6	2019	29.6	-----	-----	=====			29.6	37.0	Worse
	Non-Hispanic, others	2019	31.9	2019	31.9	-----	-----	=====			31.9	47.7	Worse
Income	400% of PG or more	2019	21.4	2019	21.4	-----	-----	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2019	33.5	2019	33.5	-----	-----	=====	400% of PG or more	21.4	33.5	56.5	Worse
	100-199% of PG	2019	30.2	2019	30.2	-----	-----	=====			30.2	41.1	Worse
	200-399% of PG	2019	28.7	2019	28.7	-----	-----	=====			28.7	34.1	Worse
Health insurance	Any private	2019	27.0	2019	27.0	-----	-----	=====	=====	=====	=====	=====	=====
	Public only	2019	34.7	2019	34.7	-----	-----	=====	Any private	27.0	34.7	28.5	Worse
	Uninsured	2019	63.2	2019	63.2	-----	-----	=====			63.2	134.1	Worse
Metropolitan status	Large fringe metro	2019	23.8	2019	23.8	-----	-----	=====	=====	=====	=====	=====	=====
	Metropolitan	2019	26.6	2019	26.6	-----	-----	=====	Large fringe metro	23.8	26.6	11.8	Worse
	Large central metro	2019	28.0	2019	28.0	-----	-----	=====			28.0	17.6	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	Medium metro	2019	28.5	2019	28.5	-----	-----	=====			28.5	19.7	Worse
	Small metro	2019	25.6	2019	25.6	-----	-----	=====			25.6	7.6	Same
	Nonmetropolitan	2019	22.0	2019	22.0	-----	-----	=====			22.0	-7.6	Same
	Micropolitan	2019	23.1	2019	23.1	-----	-----	=====			23.1	-2.9	Same
	Noncore	2019	20.4	2019	20.4	-----	-----	=====			20.4	-14.3	Same
Age	18-44	2019	36.8	2019	36.8	-----	-----	=====	=====	=====	=====	=====	=====
	45-64	2019	23.4	2019	23.4	-----	-----	=====	18-44	36.8	23.4	-36.4	Better
	65 and over	2019	12.9	2019	12.9	-----	-----	=====			12.9	-64.9	Better
Disability status	Without disability	2019	27.6	2019	27.6	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2019	19.5	2019	19.5	-----	-----	=====	Without disability	27.6	19.5	-29.3	Better
Gender	Male	2019	29.4	2019	29.4	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019	23.2	2019	23.2	-----	-----	=====	Male	29.4	23.2	-21.1	Better
Education	Some college	2019	23.3	2019	23.3	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2019	31.6	2019	31.6	-----	-----	=====	Some college	23.3	31.6	35.6	Worse
	High school graduate	2019	29.3	2019	29.3	-----	-----	=====			29.3	25.8	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.2. Measure: Children who had any appointments for routine health care in the last 12 months who sometimes or never got an appointment for routine care as soon as needed

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	10.2	2019	6.6	-2.6	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	9.7	2019	5.8	-3.1	Improving	=====	=====	=====	=====	=====	=====
	Asian	2002	20.4	2019	13.9	-2.2	No change	=====	White	5.8	13.9	139.2	Worse
	Black	2002	11.0	2019	8.6	-0.6	No change	=====			8.6	47.7	Same
	Multiple races	2002	9.6	2019	6.6	-5.0	Improving	=====			6.6	13.1	Same
Ethnicity	Non-Hispanic, White	2002	8.7	2019	4.7	-3.7	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	14.1	2019	9.3	-2.8	Improving	=====	Non-Hispanic, White	4.7	9.3	96.0	Worse
	Non-Hispanic, all races	2002	9.5	2019	6.0	-2.7	Improving	=====			6.0	26.6	Same
	Non-Hispanic, Asian	2002	20.9	2019	14.2	-2.1	No change	=====			14.2	198.9	Worse
	Non-Hispanic, Black	2002	10.8	2019	8.7	-0.5	No change	=====			8.7	83.8	Worse
	Non-Hispanic, others	2002	10.3	2017	7.1	-5.0	Improving	=====			-----	-----	-----
Income	400% of PG or more	2002	7.3	2019	5.0	-2.3	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	14.2	2019	11.0	-2.6	Improving	=====	400% of PG or more	5.0	11.0	119.7	Worse
	100-199% of PG	2002	12.8	2019	9.2	-2.6	Improving	=====			9.2	82.7	Worse
	200-399% of PG	2002	9.8	2019	5.2	-2.9	Improving	=====			5.2	4.2	Same
Health insurance	Any private	2002	9.0	2019	5.9	-2.8	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	13.1	2019	8.3	-2.9	Improving	=====	Any private	5.9	8.3	39.4	Same
	Uninsured	2002	13.5	2013	6.4	-2.9	No change	=====			-----	-----	-----
Metropolitan status	Large fringe metro	2002	9.3	2019	5.7	-2.1	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	10.9	2019	6.6	-2.6	Improving	=====	Large fringe metro	5.7	6.6	15.4	Same
	Large central metro	2002	13.4	2019	7.8	-2.4	Improving	=====			7.8	35.7	Same
	Medium metro	2002	9.1	2019	5.6	-3.4	Improving	=====			5.6	-1.9	Same
	Small metro	2002	11.4	2017	3.1	-4.0	Improving	=====			-----	-----	-----
	Nonmetropolitan	2002	6.6	2019	6.9	-2.3	Improving	=====			6.9	19.9	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	Micropolitan	2002	6.8	2013	4.1	-6.4	Improving	=====			-----	-----	-----
	Noncore	2002	6.0	2010	7.8	-0.2	No change	=====			-----	-----	-----
Age	0-5	2002	9.0	2019	4.7	-3.1	Improving	=====	=====	=====	=====	=====	=====
	6-17	2002	10.9	2019	7.8	-2.3	Improving	=====	0-5	4.7	7.8	64.6	Worse
Gender	Male	2002	10.6	2019	6.0	-2.8	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	9.9	2019	7.3	-2.4	Improving	=====	Male	6.0	7.3	20.2	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.3. Measure: Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as needed

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	22.0	2019	22.0	-----	-----	=====					
Race	White	2019	20.4	2019	20.4	-----	-----	=====					
	Asian	2019	29.9	2019	29.9	-----	-----	=====	White	20.4	29.9	46.6	Worse
	Black	2019	27.9	2019	27.9	-----	-----	=====			27.9	36.8	Worse
	Multiple races	2019	23.5	2019	23.5	-----	-----	=====			23.5	15.2	Same
Ethnicity	Non-Hispanic, White	2019	17.1	2019	17.1	-----	-----	=====					
	Hispanic, all races	2019	35.1	2019	35.1	-----	-----	=====	Non-Hispanic, White	17.1	35.1	105.3	Worse
	Non-Hispanic, all races	2019	19.6	2019	19.6	-----	-----	=====			19.6	14.6	Worse
	Non-Hispanic, Asian	2019	29.7	2019	29.7	-----	-----	=====			29.7	73.7	Worse
	Non-Hispanic, Black	2019	27.7	2019	27.7	-----	-----	=====			27.7	62.0	Worse
	Non-Hispanic, others	2019	20.6	2019	20.6	-----	-----	=====			20.6	20.5	Same
Income	400% of PG or more	2019	15.9	2019	15.9	-----	-----	=====					
	Less than 100% of PG	2019	31.0	2019	31.0	-----	-----	=====	400% of PG or more	15.9	31.0	95.0	Worse
	100-199% of PG	2019	26.2	2019	26.2	-----	-----	=====			26.2	64.8	Worse
	200-399% of PG	2019	23.8	2019	23.8	-----	-----	=====			23.8	49.7	Worse
Health insurance	Any private	2019	20.6	2019	20.6	-----	-----	=====					
	Public only	2019	28.1	2019	28.1	-----	-----	=====	Any private	20.6	28.1	36.4	Worse
	Uninsured	2019	56.3	2019	56.3	-----	-----	=====			56.3	173.3	Worse
Metropolitan status	Large fringe metro	2019	22.5	2019	22.5	-----	-----	=====					
	Metropolitan	2019	22.5	2019	22.5	-----	-----	=====	Large fringe metro	22.5	22.5	0.0	Same
	Large central metro	2019	23.5	2019	23.5	-----	-----	=====			23.5	4.4	Same
	Medium metro	2019	20.8	2019	20.8	-----	-----	=====			20.8	-7.6	Same
	Small metro	2019	23.0	2019	23.0	-----	-----	=====			23.0	2.2	Same
	Nonmetropolitan	2019	18.9	2019	18.9	-----	-----	=====			18.9	-16.0	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	Micropolitan	2019	20.4	2019	20.4	-----	-----	=====			20.4	-9.3	Same
	Noncore	2019	16.4	2019	16.4	-----	-----	=====			16.4	-27.1	Better
Age	18-44	2019	26.6	2019	26.6	-----	-----	=====					
	45-64	2019	23.1	2019	23.1	-----	-----	=====	18-44	26.6	23.1	-13.2	Better
	65 and over	2019	13.6	2019	13.6	-----	-----	=====			13.6	-48.9	Better
Disability status	Without disability	2019	22.5	2019	22.5	-----	-----	=====					
	With disability	2019	20.6	2019	20.6	-----	-----	=====	Without disability	22.5	20.6	-8.4	Same
Gender	Male	2019	23.8	2019	23.8	-----	-----	=====					
	Female	2019	20.6	2019	20.6	-----	-----	=====	Male	23.8	20.6	-13.4	Better
Education	Some college	2019	18.2	2019	18.2	-----	-----	=====					
	Less than high school graduate	2019	29.1	2019	29.1	-----	-----	=====	Some college	18.2	29.1	59.9	Worse
	High school graduate	2019	25.4	2019	25.4	-----	-----	=====			25.4	39.6	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Access
Section: Waiting Time

Appendix Table 1.4. Measure: Adults who reported getting the help or advice they needed the same day they contacted their home health care providers
 Source: Home Healthcare Assessment of Healthcare Providers and Systems
 Benchmark was 23.8 in 2015.
 Disparity Year: 2020
 Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	21.3	2020	18.0	0.6	No change	No progress	=====	=====	=====	=====	=====
Race	White	2012	21.9	2020	18.3	0.6	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2012	24.7	2020	19.9	0.8	No change	No progress	White	18.3	19.9	-2.0	Same
	Asian	2012	19.4	2020	18.3	0.2	No change	No progress			18.3	0.0	Same
	NHPI	2012	20.5	2020	18.5	0.6	No change	No progress			18.5	-0.2	Same
	Black	2012	19.2	2020	16.6	0.4	No change	No progress			16.6	2.1	Same
	Multiple races	2012	23.9	2020	19.6	0.8	No change	No progress			19.6	-1.6	Same
Ethnicity	Non-Hispanic, all races	2012	21.7	2020	18.1	0.6	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2012	21.9	2020	19.3	0.5	No change	No progress	Non-Hispanic, all races	18.1	19.3	-1.5	Same
Age	18-44	2012	29.4	2020	23.8	1.0	Worsening	No progress	=====	=====	=====	=====	=====
	45-64	2012	28.0	2020	22.1	1.0	No change	No progress	18-44	23.8	22.1	2.2	Same
	65 and over	2012	20.3	2020	17.4	0.5	No change	No progress			17.4	8.4	Same
Education	Some college	2012	22.2	2020	18.4	0.6	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2012	21.3	2020	18.4	0.5	No change	No progress	Some college	18.4	18.4	0.0	Same
	High school graduate	2012	21.1	2020	17.6	0.6	No change	No progress			17.6	1.0	Same

----- : Data were not available for the analysis.
 ===== : Not applicable.
 More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.5. Measure: Emergency department visits triaged as immediate or emergent at which patients waited to see a physician for 1 hour or more

Source: National Hospital Ambulatory Medical Care Survey

Benchmark was not available.

Disparity Year: 2018-2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2006-2007	15.5	2018-2019	9.5	-3.2	Improving	=====	=====	=====	=====	=====	=====
Race	White	2006-2007	14.1	2018-2019	8.1	-3.3	Improving	=====	=====	=====	=====	=====	=====
	Black	2006-2007	19.8	2018-2019	11.9	-3.3	Improving	=====	White	8.1	11.9	46.9	Same
Ethnicity	Non-Hispanic, White	2006-2007	14.4	2018-2019	8.4	-3.4	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2006-2007	12.5	2018-2019	11.4	-1.7	No change	=====	Non-Hispanic, White	8.4	11.4	35.7	Same
	Non-Hispanic, all races	2006-2007	15.8	2018-2019	9.2	-3.4	Improving	=====			9.2	9.5	Same
	Non-Hispanic, Black	2006-2007	19.9	2018-2019	11.3	-3.7	Improving	=====			11.3	34.5	Same
Metropolitan status	Metropolitan	2006-2007	16.7	2017-2018	13.0	-1.5	No change	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2006-2007	9.3	2010-2011	8.6	-1.0	No change	=====	Metropolitan	-----	-----	-----	-----
Age	18-44	2006-2007	16.6	2018-2019	10.8	-3.1	Improving	=====	=====	=====	=====	=====	=====
	0-17	2006-2007	14.7	2018-2019	7.5	-4.1	Improving	=====	18-44	10.8	7.5	-30.6	Same
	45-64	2006-2007	16.4	2018-2019	10.4	-2.5	Improving	=====			10.4	-3.7	Same
	65 and over	2006-2007	13.2	2018-2019	8.2	-3.2	Improving	=====			8.2	-24.1	Same
Gender	Male	2006-2007	14.8	2018-2019	7.8	-3.8	Improving	=====	=====	=====	=====	=====	=====
	Female	2006-2007	16.1	2018-2019	11.1	-2.7	Improving	=====	Male	7.8	11.1	42.3	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.6. Measure: Emergency department visits triaged as urgent at which patients waited to see a physician for 1 hour or more

Source: National Hospital Ambulatory Medical Care Survey

Benchmark was not available.

Disparity Year: 2018-2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2006-2007	26.6	2018-2019	15.6	-5.3	Improving	=====	=====	=====	=====	=====	=====
Race	White	2006-2007	24.6	2018-2019	14.5	-4.8	Improving	=====	=====	=====	=====	=====	=====
	Asian	2016-2017	24.1	2018-2019	21.5	-----	-----	=====	White	14.5	21.5	48.3	Same
	Black	2006-2007	32.5	2018-2019	18.0	-5.8	Improving	=====			18.0	24.1	Same
Ethnicity	Non-Hispanic, White	2006-2007	23.6	2018-2019	14.2	-4.9	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2006-2007	31.8	2018-2019	16.5	-5.4	Improving	=====	Non-Hispanic, White	14.2	16.5	16.2	Same
	Non-Hispanic, all races	2006-2007	25.9	2018-2019	15.4	-5.2	Improving	=====			15.4	8.5	Same
	Non-Hispanic, Black	2006-2007	31.9	2018-2019	17.8	-5.8	Improving	=====			17.8	25.4	Same
Metropolitan status	Metropolitan	2006-2007	28.7	2017-2018	18.3	-4.6	Improving	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2006-2007	16.9	2017-2018	8.8	-7.8	Improving	=====	Metropolitan	-----	-----	-----	-----
Age	18-44	2006-2007	27.1	2018-2019	17.6	-5.0	Improving	=====	=====	=====	=====	=====	=====
	0-17	2006-2007	26.1	2018-2019	13.2	-5.4	Improving	=====	18-44	17.6	13.2	-25.0	Same
	45-64	2006-2007	27.2	2018-2019	15.7	-5.5	Improving	=====			15.7	-10.8	Same
	65 and over	2006-2007	25.2	2018-2019	13.8	-5.0	Improving	=====			13.8	-21.6	Same
Gender	Male	2006-2007	25.8	2018-2019	14.7	-5.2	Improving	=====	=====	=====	=====	=====	=====
	Female	2006-2007	27.2	2018-2019	16.2	-5.2	Improving	=====	Male	14.7	16.2	10.2	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.7. Measure: Emergency department visits where the patient was transferred or admitted to the hospital and length of visit was 6 hours or more

Source: National Hospital Ambulatory Medical Care Survey

Benchmark was not available.

Disparity Year: 2018-2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2006-2007	30.4	2018-2019	32.7	0.9	No change	=====	=====	=====	=====	=====	=====
Race	White	2006-2007	28.3	2018-2019	30.2	0.6	No change	=====	=====	=====	=====	=====	=====
	Asian	2018-2019	41.8	2018-2019	41.8	-----	-----	=====	White	30.2	41.8	38.4	Same
	Black	2006-2007	38.6	2018-2019	35.3	0.3	No change	=====			35.3	16.9	Same
Ethnicity	Non-Hispanic, White	2006-2007	27.3	2018-2019	30.6	0.9	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2006-2007	36.2	2018-2019	36.5	0.7	No change	=====	Non-Hispanic, White	30.6	36.5	19.3	Same
	Non-Hispanic, all races	2006-2007	29.8	2018-2019	32.2	0.8	No change	=====			32.2	5.2	Same
	Non-Hispanic, Black	2006-2007	39.0	2018-2019	35.3	0.2	No change	=====			35.3	15.4	Same
Metropolitan status	Metropolitan	2006-2007	32.6	2017-2018	35.8	0.9	No change	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2006-2007	15.5	2017-2018	18.3	2.2	Worsening	=====	Metropolitan	-----	-----	-----	-----
Age	18-44	2006-2007	34.1	2018-2019	38.8	1.5	Worsening	=====	=====	=====	=====	=====	=====
	0-17	2006-2007	24.0	2018-2019	23.0	1.4	No change	=====	18-44	38.8	23.0	-40.7	Better
	45-64	2006-2007	32.6	2018-2019	35.1	0.8	No change	=====			35.1	-9.5	Same
	65 and over	2006-2007	27.7	2018-2019	30.4	0.6	No change	=====			30.4	-21.6	Better
Gender	Male	2006-2007	30.1	2018-2019	32.0	0.9	No change	=====	=====	=====	=====	=====	=====
	Female	2006-2007	30.6	2018-2019	33.3	0.8	No change	=====	Male	32.0	33.3	4.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.8. Measure: Median time in minutes spent in the emergency department (ED) from admission decision to ED departure for admitted patients

Source: Hospital Inpatient Quality Reporting Program

Benchmark was 56.2 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	100.0	2019	100.0	0.1	No change	No progress	=====	=====	=====	=====	=====
Race	White	2016	96.0	2019	95.0	-0.3	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2016	78.0	2019	83.0	2.5	No change	No progress	White	95.0	83.0	-12.6	-----
	Asian	2016	123.0	2019	125.0	0.5	No change	No progress			125.0	31.6	-----
	NHPI	2016	118.0	2019	125.0	2.2	Worsening	No progress			125.0	31.6	-----
	Black	2016	119.0	2019	120.0	0.6	No change	No progress			120.0	26.3	-----
Ethnicity	Non-Hispanic, all races	2016	98.0	2019	98.0	0.1	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	131.0	2019	128.0	-0.6	No change	No progress	Non-Hispanic, all races	98.0	128.0	30.6	-----
Age	0-64	2016	100.0	2019	100.0	0.2	No change	No progress	=====	=====	=====	=====	=====
	65-74	2016	102.0	2019	101.0	-0.2	No change	No progress	0-64	100.0	101.0	1.0	Same
	75-84	2016	100.0	2019	99.0	-0.3	No change	No progress			99.0	-1.0	Same
	85 and over	2016	99.0	2019	98.0	-0.2	No change	No progress			98.0	-2.0	Same
Gender	Male	2016	101.0	2019	101.0	0.1	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	99.0	2019	98.0	-0.2	No change	No progress	Male	101.0	98.0	-3.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.9. Measure: Median time in minutes outpatients spent at emergency department (ED) from ED arrival to ED departure

Source: Hospital Outpatient Quality Reporting Program

Benchmark was 105.4 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	137.0	2019	141.0	1.0	Worsening	No progress	=====	=====	=====	=====	=====
Race	White	2016	136.0	2019	141.0	1.2	Worsening	No progress	=====	=====	=====	=====	=====
	AI/AN	2016	122.0	2019	119.0	-0.8	No change	No progress	White	141.0	119.0	-15.6	-----
	Asian	2016	161.0	2019	164.0	0.7	No change	No progress			164.0	16.3	-----
	NHPI	2016	134.0	2019	132.0	-0.3	No change	No progress			132.0	-6.4	Same
	Black	2016	144.0	2019	145.0	0.2	No change	No progress			145.0	2.8	Same
Ethnicity	Non-Hispanic, all races	2016	137.0	2019	141.0	1.0	Worsening	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	144.0	2019	147.0	0.8	No change	No progress	Non-Hispanic, all races	141.0	147.0	4.3	Same
Age	0-64	2016	131.0	2019	133.0	0.5	No change	No progress	=====	=====	=====	=====	=====
	65-74	2016	166.0	2019	169.0	0.7	No change	No progress	0-64	133.0	169.0	27.1	-----
	75-84	2016	174.0	2019	176.0	0.5	No change	No progress			176.0	32.3	-----
	85 and over	2016	182.0	2019	184.0	0.5	No change	No progress			184.0	38.3	-----
Gender	Male	2016	129.0	2019	134.0	1.3	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2016	144.0	2019	148.0	1.0	No change	No progress	Male	134.0	148.0	10.4	-----

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.10. Measure: Median time in minutes outpatients with psychiatric or mental health conditions spent at emergency department (ED) from ED arrival to ED departure

Source: Hospital Outpatient Quality Reporting Program

Benchmark was 139.0 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	232.0	2019	242.0	1.6	Worsening	No progress	=====	=====	=====	=====	=====
Race	White	2016	221.0	2019	233.0	1.9	Worsening	No progress	=====	=====	=====	=====	=====
	AI/AN	2016	204.0	2019	202.0	-0.8	No change	No progress	White	233.0	202.0	-13.3	-----
	Asian	2016	288.0	2019	280.0	-0.9	No change	No progress			280.0	20.2	-----
	NHPI	2016	232.0	2019	253.0	-0.1	No change	No progress			253.0	8.6	Same
	Black	2016	287.0	2019	303.0	1.8	Worsening	No progress			303.0	30.0	-----
Ethnicity	Non-Hispanic, all races	2016	231.0	2019	242.0	1.7	Worsening	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	233.0	2019	244.0	1.6	Worsening	No progress	Non-Hispanic, all races	242.0	244.0	0.8	Same
Age	0-64	2016	233.0	2019	246.0	1.9	Worsening	No progress	=====	=====	=====	=====	=====
	65-74	2016	234.0	2019	234.0	0.4	No change	No progress	0-64	246.0	234.0	-4.9	Same
	75-84	2016	219.0	2019	216.0	-0.3	No change	No progress			216.0	-12.2	-----
	85 and over	2016	214.0	2019	214.0	-0.1	No change	No progress			214.0	-13.0	-----
Gender	Male	2016	246.0	2019	257.0	1.5	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2016	217.0	2019	228.0	1.8	Worsening	No progress	Male	257.0	228.0	-11.3	-----

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Access
Section: Health Insurance

Appendix Table 1.11. Measure: People under age 65 with health insurance

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	88.0	2020	88.5	-----	-----	=====	=====	=====	=====	=====	=====
Race	White	2019	88.9	2020	90.0	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2019	71.7	2020	72.8	-----	-----	=====	White	90.0	72.8	172.0	Worse
	Asian	2019	93.6	2020	92.4	-----	-----	=====			92.4	-24.0	Better
	NHPI	2019	85.8	2020	87.8	-----	-----	=====			87.8	22.0	Same
	Black	2019	88.7	2020	88.0	-----	-----	=====			88.0	20.0	Worse
	Multiple races	2019	89.4	2020	88.5	-----	-----	=====			88.5	15.0	Same
Ethnicity	Non-Hispanic, White	2019	91.2	2020	92.2	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2019	77.5	2020	77.6	-----	-----	=====	Non-Hispanic, White	92.2	77.6	187.2	Worse
	Non-Hispanic, all races	2019	90.7	2020	91.3	-----	-----	=====			91.3	11.5	Worse
	Non-Hispanic, AI/AN	2020	72.9	2020	72.9	-----	-----	=====			72.9	247.4	Worse
	Non-Hispanic, Asian	2020	92.4	2020	92.4	-----	-----	=====			92.4	-2.6	Same
	Non-Hispanic, NHPI	2020	85.6	2020	85.6	-----	-----	=====			85.6	84.6	Same
	Non-Hispanic, Black	2019	88.8	2020	88.1	-----	-----	=====			88.1	52.6	Worse
	Non-Hispanic, multiple races	2020	89.7	2020	89.7	-----	-----	=====			89.7	32.1	Same
Income	400% of PG or more	2019	96.0	2020	95.6	-----	-----	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2019	80.8	2020	80.5	-----	-----	=====	400% of PG or more	95.6	80.5	343.2	Worse
	100-199% of PG	2019	79.3	2020	80.3	-----	-----	=====			80.3	347.7	Worse
	200-399% of PG	2019	87.0	2020	87.4	-----	-----	=====			87.4	186.4	Worse
Metropolitan status	Large fringe metro	2019	89.8	2020	90.1	-----	-----	=====	=====	=====	=====	=====	=====
	Metropolitan	2019	88.4	2020	89.0	-----	-----	=====	Large fringe metro	90.1	89.0	11.1	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	Large central metro	2019	87.3	2020	88.0	-----	-----	=====			88.0	21.2	Worse
	Medium metro	2019	88.5	2020	89.3	-----	-----	=====			89.3	8.1	Same
	Small metro	2019	88.2	2020	88.5	-----	-----	=====			88.5	16.2	Same
	Micropolitan	2019	85.2	2020	84.5	-----	-----	=====			84.5	56.6	Worse
	Noncore	2019	85.8	2020	85.9	-----	-----	=====			85.9	42.4	Worse
Age	18-44	2019	83.0	2020	83.7	-----	-----	=====	=====	=====	=====	=====	=====
	0-17	2019	94.9	2020	95.0	-----	-----	=====	18-44	83.7	95.0	-69.3	Better
	45-64	2019	88.9	2020	89.4	-----	-----	=====			89.4	-35.0	Better
Disability status	Without disability	2019	85.3	2020	85.8	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2019	88.5	2020	90.5	-----	-----	=====	Without disability	85.8	90.5	-33.1	Better
Gender	Male	2019	87.0	2020	87.8	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019	89.0	2020	89.1	-----	-----	=====	Male	87.8	89.1	-10.7	Better
Education	Some college	2019	91.3	2020	91.4	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2019	64.7	2020	68.4	-----	-----	=====	Some college	91.4	68.4	267.4	Worse
	High school graduate	2019	81.2	2020	81.8	-----	-----	=====			81.8	111.6	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.12. Measure: People under age 65 with any private health insurance

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	64.3	2020	64.3	-----	-----	=====	=====	=====	=====	=====	=====
Race	White	2019	69.4	2020	70.3	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2019	39.3	2020	32.8	-----	-----	=====	White	70.3	32.8	126.3	Worse
	Asian	2019	77.1	2020	74.4	-----	-----	=====			74.4	-13.8	Better
	NHPI	2019	57.2	2019	57.2	-----	-----	=====			-----	-----	-----
	Black	2019	49.6	2020	48.4	-----	-----	=====			48.4	73.7	Worse
	Multiple races	2019	56.9	2020	53.9	-----	-----	=====			53.9	55.2	Worse
Ethnicity	Non-Hispanic, White	2019	73.8	2020	74.5	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2019	44.7	2020	44.9	-----	-----	=====	Non-Hispanic, White	74.5	44.9	116.1	Worse
	Non-Hispanic, all races	2019	69.4	2020	69.4	-----	-----	=====			69.4	20.0	Worse
	Non-Hispanic, AI/AN	2020	30.0	2020	30.0	-----	-----	=====			30.0	174.5	Worse
	Non-Hispanic, Asian	2020	74.5	2020	74.5	-----	-----	=====			74.5	0.0	Same
	Non-Hispanic, Black	2019	49.8	2020	48.7	-----	-----	=====			48.7	101.2	Worse
	Non-Hispanic, multiple races	2020	55.4	2020	55.4	-----	-----	=====			55.4	74.9	Worse
Income	400% of PG or more	2019	90.8	2020	90.0	-----	-----	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2019	18.4	2020	15.6	-----	-----	=====	400% of PG or more	90.0	15.6	744.0	Worse
	100-199% of PG	2019	35.8	2020	33.7	-----	-----	=====			33.7	563.0	Worse
	200-399% of PG	2019	70.4	2020	69.4	-----	-----	=====			69.4	206.0	Worse
Metropolitan status	Large fringe metro	2019	71.1	2020	70.9	-----	-----	=====	=====	=====	=====	=====	=====
	Metropolitan	2019	65.3	2020	65.8	-----	-----	=====	Large fringe metro	70.9	65.8	17.5	Worse
	Large central metro	2019	64.3	2020	65.3	-----	-----	=====			65.3	19.2	Worse
	Medium metro	2019	62.6	2020	63.6	-----	-----	=====			63.6	25.1	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	Small metro	2019	59.7	2020	59.2	-----	-----	=====			59.2	40.2	Worse
	Micropolitan	2019	58.3	2020	54.8	-----	-----	=====			54.8	55.3	Worse
	Noncore	2019	56.9	2020	53.3	-----	-----	=====			53.3	60.5	Worse
Age	18-44	2019	65.5	2020	65.7	-----	-----	=====	=====	=====	=====	=====	=====
	0-17	2019	55.6	2020	55.1	-----	-----	=====	18-44	65.7	55.1	30.9	Worse
	45-64	2019	70.4	2020	70.6	-----	-----	=====			70.6	-14.3	Better
Disability status	Without disability	2019	69.5	2020	69.7	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2019	38.3	2020	37.5	-----	-----	=====	Without disability	69.7	37.5	106.3	Worse
Gender	Male	2019	64.6	2020	65.0	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019	64.0	2020	63.7	-----	-----	=====	Male	65.0	63.7	3.7	Same
Education	Some college	2019	78.7	2020	78.8	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2019	30.4	2020	32.4	-----	-----	=====	Some college	78.8	32.4	218.9	Worse
	High school graduate	2019	58.3	2020	58.6	-----	-----	=====			58.6	95.3	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.13. Measure: Adults age 65 and over with any private health insurance

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	40.9	2020	39.8	-----	-----	=====					
Race	White	2019	44.6	2020	43.6	-----	-----	=====					
	Asian	2019	23.9	2020	25.9	-----	-----	=====	White	43.6	25.9	31.4	Worse
	Black	2019	28.2	2020	26.9	-----	-----	=====			26.9	29.6	Worse
	Multiple races	2019	28.0	2020	25.2	-----	-----	=====			25.2	32.6	Worse
Ethnicity	Non-Hispanic, White	2019	46.2	2020	45.1	-----	-----	=====					
	Hispanic, all races	2019	19.3	2020	18.3	-----	-----	=====	Non-Hispanic, White	45.1	18.3	48.8	Worse
	Non-Hispanic, all races	2019	43.0	2020	41.9	-----	-----	=====			41.9	5.8	Same
	Non-Hispanic, Asian	2020	25.8	2020	25.8	-----	-----	=====			25.8	35.2	Worse
	Non-Hispanic, Black	2019	28.9	2020	27.7	-----	-----	=====			27.7	31.7	Worse
	Non-Hispanic, multiple races	2020	26.8	2020	26.8	-----	-----	=====			26.8	33.3	Worse
Income	400% of PG or more	2019	55.1	2020	53.5	-----	-----	=====					
	Less than 100% of PG	2019	13.8	2020	14.6	-----	-----	=====	400% of PG or more	53.5	14.6	83.7	Worse
	100-199% of PG	2019	28.9	2020	25.3	-----	-----	=====			25.3	60.6	Worse
	200-399% of PG	2019	40.2	2020	39.1	-----	-----	=====			39.1	31.0	Worse
Metropolitan status	Large fringe metro	2019	45.7	2020	43.7	-----	-----	=====					
	Metropolitan	2019	39.3	2020	38.2	-----	-----	=====	Large fringe metro	43.7	38.2	9.8	Same
	Large central metro	2019	29.3	2020	30.3	-----	-----	=====			30.3	23.8	Worse
	Medium metro	2019	40.1	2020	39.1	-----	-----	=====			39.1	8.2	Same
	Small metro	2019	47.1	2020	44.4	-----	-----	=====			44.4	-1.2	Same
	Micropolitan	2019	49.2	2020	46.7	-----	-----	=====			46.7	-5.3	Same
	Noncore	2019	46.3	2020	46.4	-----	-----	=====			46.4	-4.8	Same
Disability status	Without disability	2019	42.8	2020	41.6	-----	-----	=====					
	With disability	2019	33.0	2020	31.9	-----	-----	=====	Without disability	41.6	31.9	16.6	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Gender	Male	2019	40.5	2020	40.0	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019	41.2	2020	39.6	-----	-----	=====	Male	40.0	39.6	0.7	Same
Education	Some college	2019	45.6	2020	44.4	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2019	23.6	2020	22.2	-----	-----	=====	Some college	44.4	22.2	39.9	Worse
	High school graduate	2019	42.6	2020	40.1	-----	-----	=====			40.1	7.7	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.14. Measure: People under age 65 who were uninsured all year
 Source: Medical Expenditure Panel Survey
 Benchmark was not available.
 Disparity Year: 2019
 Note: Lower estimates are better for this measure. The unit of measurement is percentage.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	13.4	2019	7.5	-3.7	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	13.4	2019	7.6	-3.7	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2002	21.1	2019	14.1	-1.2	No change	=====	White	7.6	14.1	85.5	Same
	Asian	2002	11.3	2019	4.5	-5.2	Improving	=====			4.5	-40.8	Better
	NHPI	2004	11.6	2004	11.6	-----	-----	=====			-----	-----	-----
	Black	2002	13.6	2019	8.5	-3.5	Improving	=====			8.5	11.8	Same
	Multiple races	2002	11.9	2019	6.0	-5.6	Improving	=====			6.0	-21.1	Same
Ethnicity	Non-Hispanic, White	2002	10.1	2019	4.5	-4.9	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	28.2	2019	16.5	-3.6	Improving	=====	Non-Hispanic, White	4.5	16.5	266.7	Worse
	Non-Hispanic, all races	2002	10.8	2019	5.2	-4.5	Improving	=====			5.2	15.6	Same
	Non-Hispanic, Asian	2002	11.3	2019	4.6	-5.2	Improving	=====			4.6	2.2	Same
	Non-Hispanic, Black	2002	13.6	2019	8.3	-3.5	Improving	=====			8.3	84.4	Worse
	Non-Hispanic, others	2002	13.8	2019	6.6	-5.7	Improving	=====			6.6	46.7	Same
Income	400% of PG or more	2002	5.2	2019	3.4	-3.4	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	23.9	2019	12.2	-4.2	Improving	=====	400% of PG or more	3.4	12.2	258.8	Worse
	100-199% of PG	2002	24.9	2019	12.5	-4.0	Improving	=====			12.5	267.6	Worse
	200-399% of PG	2002	13.0	2019	8.4	-3.1	Improving	=====			8.4	147.1	Worse
Health insurance	Any private	2002	0.0	2019	0.0	0.0	No change	=====	=====	=====	=====	=====	=====
	Public only	2002	0.0	2019	0.0	0.0	No change	=====	Any private	0.0	0.0	-100.0	Same
	Uninsured	2002	100.0	2019	100.0	0.0	No change	=====			100.0	499900.0	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2002	10.2	2019	6.0	-3.0	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	13.3	2019	7.2	-3.9	Improving	=====	Large fringe metro	6.0	7.2	20.0	Same
	Large central metro	2002	15.6	2019	8.1	-4.4	Improving	=====			8.1	35.0	Worse
	Medium metro	2002	13.2	2019	7.3	-3.8	Improving	=====			7.3	21.7	Same
	Small metro	2002	14.0	2019	7.6	-3.5	Improving	=====			7.6	26.7	Same
	Nonmetropolitan	2002	13.7	2019	9.3	-2.9	Improving	=====			9.3	55.0	Worse
	Micropolitan	2002	13.2	2019	10.4	-2.4	Improving	=====			10.4	73.3	Worse
	Noncore	2002	14.8	2019	7.5	-3.9	Improving	=====			7.5	25.0	Same
Age	18-44	2002	18.1	2019	11.1	-3.4	Improving	=====	=====	=====	=====	=====	=====
	0-17	2002	7.7	2019	2.4	-6.9	Improving	=====	18-44	11.1	2.4	-78.4	Better
	45-64	2002	11.7	2019	7.0	-3.1	Improving	=====			7.0	-36.9	Better
Disability status	Without disability	2013	19.1	2019	9.6	-10.0	Improving	=====	=====	=====	=====	=====	=====
	With disability	2013	16.5	2019	7.1	-14.1	Improving	=====	Without disability	9.6	7.1	-26.0	Better
Gender	Male	2002	15.0	2019	9.1	-3.5	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	11.8	2019	6.0	-4.1	Improving	=====	Male	9.1	6.0	-34.1	Better
Education	Some college	2002	9.0	2019	5.5	-3.4	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	30.2	2019	21.1	-2.4	Improving	=====	Some college	5.5	21.1	283.6	Worse
	High school graduate	2002	16.8	2019	12.0	-2.3	Improving	=====			12.0	118.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.15. Measure: People under age 65 with any period of uninsurance during the year

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	25.5	2019	17.2	-2.4	Improving	=====					
Race	White	2002	25.1	2019	16.8	-2.4	Improving	=====					
	AI/AN	2002	33.0	2019	30.1	-0.4	No change	=====	White	16.8	30.1	79.2	Worse
	Asian	2002	23.4	2019	11.6	-3.2	Improving	=====			11.6	-31.0	Better
	NHPI	2003	19.7	2019	17.6	-1.1	No change	=====			17.6	4.8	Same
	Black	2002	27.7	2019	20.9	-1.8	Improving	=====			20.9	24.4	Worse
	Multiple races	2002	29.2	2019	16.9	-4.1	Improving	=====			16.9	0.6	Same
Ethnicity	Non-Hispanic, White	2002	20.9	2019	12.6	-2.9	Improving	=====					
	Hispanic, all races	2002	44.3	2019	29.3	-2.7	Improving	=====	Non-Hispanic, White	12.6	29.3	132.5	Worse
	Non-Hispanic, all races	2002	22.2	2019	14.0	-2.6	Improving	=====			14.0	11.1	Worse
	Non-Hispanic, Asian	2002	23.3	2019	11.6	-3.2	Improving	=====			11.6	-7.9	Same
	Non-Hispanic, Black	2002	27.7	2019	20.5	-1.8	Improving	=====			20.5	62.7	Worse
	Non-Hispanic, others	2002	28.0	2019	16.8	-3.8	Improving	=====			16.8	33.3	Worse
Income	400% of PG or more	2002	12.0	2019	8.4	-2.0	Improving	=====					
	Less than 100% of PG	2002	42.5	2019	27.1	-2.9	Improving	=====	400% of PG or more	8.4	27.1	222.6	Worse
	100-199% of PG	2002	43.5	2019	27.1	-2.7	Improving	=====			27.1	222.6	Worse
	200-399% of PG	2002	25.5	2019	19.8	-1.7	Improving	=====			19.8	135.7	Worse
Health insurance	Any private	2002	12.1	2019	8.6	-1.6	Improving	=====					
	Public only	2002	23.7	2019	16.3	-2.4	Improving	=====	Any private	8.6	16.3	89.5	Worse
	Uninsured	2002	100.0	2019	100.0	0.0	No change	=====			100.0	1062.8	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2002	21.0	2019	14.6	-2.1	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	25.3	2019	16.9	-2.5	Improving	=====	Large fringe metro	14.6	16.9	15.8	Worse
	Large central metro	2002	29.4	2019	18.6	-2.9	Improving	=====			18.6	27.4	Worse
	Medium metro	2002	24.9	2019	16.3	-2.2	Improving	=====			16.3	11.6	Same
	Small metro	2002	24.5	2019	18.4	-2.1	Improving	=====			18.4	26.0	Worse
	Nonmetropolitan	2002	26.2	2019	19.3	-1.8	Improving	=====			19.3	32.2	Worse
	Micropolitan	2002	26.2	2019	20.7	-1.7	Improving	=====			20.7	41.8	Worse
	Noncore	2002	26.3	2019	17.0	-1.8	Improving	=====			17.0	16.4	Same
Age	18-44	2002	33.7	2019	23.7	-2.2	Improving	=====	=====	=====	=====	=====	=====
	0-17	2002	19.1	2019	9.9	-4.0	Improving	=====	18-44	23.7	9.9	-58.2	Better
	45-64	2002	18.8	2019	14.6	-1.4	Improving	=====			14.6	-38.4	Better
Disability status	Without disability	2013	31.1	2019	20.2	-6.9	Improving	=====	=====	=====	=====	=====	=====
	With disability	2013	28.3	2019	16.6	-9.0	Improving	=====	Without disability	20.2	16.6	-17.8	Better
Gender	Male	2002	26.5	2019	18.6	-2.2	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	24.5	2019	15.7	-2.5	Improving	=====	Male	18.6	15.7	-15.6	Better
Education	Some college	2002	20.2	2019	13.9	-1.9	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	45.1	2019	35.5	-1.7	Improving	=====	Some college	13.9	35.5	155.4	Worse
	High school graduate	2002	29.6	2019	25.1	-1.1	Improving	=====			25.1	80.6	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.16. Measure: People under age 65 without health insurance
 Source: National Health Interview Survey
 Benchmark was not available.
 Disparity Year: 2020
 Note: Lower estimates are better for this measure. The unit of measurement is percentage.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	12.0	2020	11.5	-----	-----	=====					
Race	White	2019	11.1	2020	10.0	-----	-----	=====					
	AI/AN	2019	28.3	2020	27.2	-----	-----	=====	White	10.0	27.2	172.0	Worse
	Asian	2019	6.4	2020	7.6	-----	-----	=====			7.6	-24.0	Better
	NHPI	2019	14.2	2019	14.2	-----	-----	=====					
	Black	2019	11.3	2020	12.0	-----	-----	=====			12.0	20.0	Worse
	Multiple races	2019	10.6	2020	11.5	-----	-----	=====			11.5	15.0	Same
Ethnicity	Non-Hispanic, White	2019	8.8	2020	7.8	-----	-----	=====					
	Hispanic, all races	2019	22.5	2020	22.4	-----	-----	=====	Non-Hispanic, White	7.8	22.4	187.2	Worse
	Non-Hispanic, all races	2019	9.3	2020	8.7	-----	-----	=====			8.7	11.5	Worse
	Non-Hispanic, AI/AN	2020	27.1	2020	27.1	-----	-----	=====			27.1	247.4	Worse
	Non-Hispanic, Asian	2020	7.6	2020	7.6	-----	-----	=====			7.6	-2.6	Same
	Non-Hispanic, Black	2019	11.2	2020	11.9	-----	-----	=====			11.9	52.6	Worse
	Non-Hispanic, multiple races	2020	10.3	2020	10.3	-----	-----	=====			10.3	32.1	Same
Income	400% of PG or more	2019	4.0	2020	4.4	-----	-----	=====					
	Less than 100% of PG	2019	19.2	2020	19.5	-----	-----	=====	400% of PG or more	4.4	19.5	343.2	Worse
	100-199% of PG	2019	20.7	2020	19.7	-----	-----	=====			19.7	347.7	Worse
	200-399% of PG	2019	13.0	2020	12.6	-----	-----	=====			12.6	186.4	Worse
Metropolitan status	Large fringe metro	2019	10.2	2020	9.9	-----	-----	=====					
	Metropolitan	2019	11.6	2020	11.0	-----	-----	=====	Large fringe metro	9.9	11.0	11.1	Same
	Large central metro	2019	12.7	2020	12.0	-----	-----	=====			12.0	21.2	Worse
	Medium metro	2019	11.5	2020	10.7	-----	-----	=====			10.7	8.1	Same
	Small metro	2019	11.8	2020	11.5	-----	-----	=====			11.5	16.2	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	Micropolitan	2019	14.8	2020	15.5	-----	-----	=====			15.5	56.6	Worse
	Noncore	2019	14.2	2020	14.1	-----	-----	=====			14.1	42.4	Worse
Age	18-44	2019	17.0	2020	16.3	-----	-----	=====					
	0-17	2019	5.1	2020	5.0	-----	-----	=====	18-44	16.3	5.0	-69.3	Better
	45-64	2019	11.1	2020	10.6	-----	-----	=====			10.6	-35.0	Better
Disability status	Without disability	2019	14.7	2020	14.2	-----	-----	=====					
	With disability	2019	11.5	2020	9.5	-----	-----	=====	Without disability	14.2	9.5	-33.1	Better
Gender	Male	2019	13.0	2020	12.2	-----	-----	=====					
	Female	2019	11.0	2020	10.9	-----	-----	=====	Male	12.2	10.9	-10.7	Better
Education	Some college	2019	8.7	2020	8.6	-----	-----	=====					
	Less than high school graduate	2019	35.3	2020	31.6	-----	-----	=====	Some college	8.6	31.6	267.4	Worse
	High school graduate	2019	18.8	2020	18.2	-----	-----	=====			18.2	111.6	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.17. Measure: People under age 65 with public health insurance only

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	23.6	2020	24.0	-----	-----	=====					
Race	White	2019	19.5	2020	19.6	-----	-----	=====					
	AI/AN	2019	32.1	2020	40.0	-----	-----	=====	White	19.6	40.0	-25.4	Better
	Asian	2019	16.4	2020	17.9	-----	-----	=====			17.9	2.1	Same
	NHPI	2019	28.6	2019	28.6	-----	-----	=====			-----	-----	-----
	Black	2019	38.7	2020	39.3	-----	-----	=====			39.3	-24.5	Better
	Multiple races	2019	32.4	2020	34.6	-----	-----	=====			34.6	-18.7	Better
Ethnicity	Non-Hispanic, White	2019	17.3	2020	17.6	-----	-----	=====					
	Hispanic, all races	2019	32.7	2020	32.5	-----	-----	=====	Non-Hispanic, White	17.6	32.5	-18.1	Better
	Non-Hispanic, all races	2019	21.2	2020	21.8	-----	-----	=====			21.8	-5.1	Same
	Non-Hispanic, Asian	2020	17.8	2020	17.8	-----	-----	=====			17.8	-0.2	Same
	Non-Hispanic, Black	2019	38.6	2020	39.1	-----	-----	=====			39.1	-26.1	Better
	Non-Hispanic, multiple races	2020	34.3	2020	34.3	-----	-----	=====			34.3	-20.3	Better
Income	400% of PG or more	2019	5.1	2020	5.6	-----	-----	=====					
	Less than 100% of PG	2019	62.2	2020	64.4	-----	-----	=====	400% of PG or more	5.6	64.4	-62.3	Better
	100-199% of PG	2019	43.3	2020	46.4	-----	-----	=====			46.4	-43.2	Better
	200-399% of PG	2019	16.6	2020	17.9	-----	-----	=====			17.9	-13.0	Better
Metropolitan status	Large fringe metro	2019	18.6	2020	19.2	-----	-----	=====					
	Metropolitan	2019	23.0	2020	23.0	-----	-----	=====	Large fringe metro	19.2	23.0	-4.7	Same
	Large central metro	2019	22.9	2020	22.5	-----	-----	=====			22.5	-4.1	Same
	Medium metro	2019	25.8	2020	25.6	-----	-----	=====			25.6	-7.9	Same
	Small metro	2019	28.4	2020	29.3	-----	-----	=====			29.3	-12.5	Better
	Micropolitan	2019	26.9	2020	29.7	-----	-----	=====			29.7	-13.0	Better
	Noncore	2019	28.7	2020	32.5	-----	-----	=====			32.5	-16.5	Better

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2019	17.4	2020	17.9	-----	-----	=====	=====	=====	=====	=====	=====
	0-17	2019	39.1	2020	39.7	-----	-----	=====	18-44	17.9	39.7	-26.6	Better
	45-64	2019	18.5	2020	18.8	-----	-----	=====			18.8	-1.1	Same
Disability status	Without disability	2019	15.7	2020	16.0	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2019	50.0	2020	52.9	-----	-----	=====	Without disability	16.0	52.9	-43.9	Better
Gender	Male	2019	22.3	2020	22.7	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019	24.9	2020	25.3	-----	-----	=====	Male	22.7	25.3	-3.4	Same
Education	Some college	2019	12.6	2020	12.5	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2019	34.1	2020	35.9	-----	-----	=====	Some college	12.5	35.9	-26.7	Better
	High school graduate	2019	22.9	2020	23.2	-----	-----	=====			23.2	-12.2	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.18. Measure: People under age 65 with any period of public insurance during the year

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	17.1	2019	27.2	-0.9	No change	=====	=====	=====	=====	=====	=====
Race	White	2002	14.4	2019	24.8	-0.8	No change	=====	=====	=====	=====	=====	=====
	AI/AN	2002	23.3	2019	28.6	-0.6	No change	=====	White	24.8	28.6	-5.1	Same
	Asian	2002	13.4	2019	21.6	-0.7	No change	=====			21.6	4.3	Same
	NHPI	2010	32.2	2019	52.8	-4.4	No change	=====			52.8	-37.2	Better
	Black	2002	33.4	2019	39.7	-0.8	No change	=====			39.7	-19.8	Better
	Multiple races	2002	30.4	2019	36.7	-0.9	No change	=====			36.7	-15.8	Better
Ethnicity	Non-Hispanic, White	2002	11.7	2019	20.0	-0.7	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	27.1	2019	39.3	-1.0	Improving	=====	Non-Hispanic, White	20.0	39.3	-24.1	Better
	Non-Hispanic, all races	2002	15.4	2019	24.1	-0.8	No change	=====			24.1	-5.1	Same
	Non-Hispanic, Asian	2002	13.3	2019	21.8	-0.7	No change	=====			21.8	-2.3	Same
	Non-Hispanic, Black	2002	33.1	2019	39.3	-0.8	No change	=====			39.3	-24.1	Better
	Non-Hispanic, others	2002	27.0	2019	36.4	-1.1	Improving	=====			36.4	-20.5	Better
Income	400% of PG or more	2002	2.4	2019	6.5	-0.3	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	59.2	2019	73.0	-2.9	Improving	=====	400% of PG or more	6.5	73.0	-71.1	Better
	100-199% of PG	2002	33.3	2019	53.4	-2.4	Improving	=====			53.4	-50.2	Better
	200-399% of PG	2002	9.7	2019	22.7	-0.9	No change	=====			22.7	-17.3	Better
Health insurance	Any private	2002	4.6	2019	7.4	-0.2	No change	=====	=====	=====	=====	=====	=====
	Public only	2002	100.0	2019	100.0	0.0	No change	=====	Any private	7.4	100.0	-100.0	Better
	Uninsured	2002	0.0	2019	0.0	0.0	No change	=====			0.0	8.0	Same
Metropolitan status	Large fringe metro	2002	11.7	2019	20.9	-0.8	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	16.6	2019	26.5	-0.8	No change	=====	Large fringe metro	20.9	26.5	-7.1	Same
	Large central metro	2002	19.3	2019	28.1	-0.8	No change	=====			28.1	-9.1	Same
	Medium metro	2002	17.9	2019	29.6	-1.0	No change	=====			29.6	-11.0	Better

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	Small metro	2002	17.7	2019	29.9	-0.9	No change	=====			29.9	-11.4	Better
	Nonmetropolitan	2002	20.2	2019	32.4	-1.2	Improving	=====			32.4	-14.5	Better
	Micropolitan	2002	19.7	2019	30.1	-1.1	Improving	=====			30.1	-11.6	Better
	Noncore	2002	21.2	2019	35.9	-1.5	Improving	=====			35.9	-19.0	Better
Age	18-44	2002	11.0	2019	21.6	-0.8	No change	=====	=====	=====	=====	=====	=====
	0-17	2002	32.5	2019	43.6	-1.3	Improving	=====	18-44	21.6	43.6	-28.1	Better
	45-64	2002	10.8	2019	20.4	-0.7	No change	=====			20.4	1.5	Same
Disability status	Without disability	2013	11.0	2019	17.5	-1.1	Improving	=====	=====	=====	=====	=====	=====
	With disability	2013	39.1	2019	50.3	-3.4	Improving	=====	Without disability	17.5	50.3	-39.8	Better
Gender	Male	2002	15.3	2019	25.3	-0.9	No change	=====	=====	=====	=====	=====	=====
	Female	2002	19.0	2019	29.1	-0.9	No change	=====	Male	25.3	29.1	-5.1	Same
Education	Some college	2002	5.1	2019	13.8	-0.6	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	23.0	2019	38.6	-1.6	Improving	=====	Some college	13.8	38.6	-28.8	Better
	High school graduate	2002	12.2	2019	28.7	-1.3	Improving	=====			28.7	-17.3	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.19. Measure: People under age 65 with any period of private dental insurance during the year

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2006	54.0	2019	58.8	-1.0	No change	=====	=====	=====	=====	=====	=====
Race	White	2006	55.5	2019	60.3	-1.1	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2006	39.9	2019	51.0	-0.8	No change	=====	White	60.3	51.0	23.4	Same
	Asian	2006	60.4	2019	64.6	-1.1	Improving	=====			64.6	-10.8	Same
	NHPI	2006	60.2	2019	40.4	2.9	No change	=====			40.4	50.1	Worse
	Black	2006	45.5	2019	49.5	-0.8	No change	=====			49.5	27.2	Worse
	Multiple races	2006	41.1	2019	55.2	-1.0	Improving	=====			55.2	12.8	Same
Ethnicity	Non-Hispanic, White	2006	61.0	2019	67.1	-1.5	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2006	32.8	2019	40.5	-1.2	Improving	=====	Non-Hispanic, White	67.1	40.5	80.9	Worse
	Non-Hispanic, all races	2006	58.2	2019	63.5	-1.1	Improving	=====			63.5	10.9	Worse
	Non-Hispanic, Asian	2006	60.4	2019	64.2	-1.1	Improving	=====			64.2	8.8	Same
	Non-Hispanic, Black	2006	45.9	2019	50.2	-0.8	No change	=====			50.2	51.4	Worse
	Non-Hispanic, others	2006	45.5	2019	54.0	-0.6	No change	=====			54.0	39.8	Worse
Income	400% of PG or more	2006	74.6	2019	81.2	-2.3	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2006	12.8	2019	15.9	-0.2	No change	=====	400% of PG or more	81.2	15.9	347.3	Worse
	100-199% of PG	2006	29.9	2019	32.2	0.0	No change	=====			32.2	260.6	Worse
	200-399% of PG	2006	58.6	2019	60.0	-0.7	No change	=====			60.0	112.8	Worse
Health insurance	Any private	2006	76.3	2019	82.3	-2.1	Improving	=====	=====	=====	=====	=====	=====
	Public only	2006	0.5	2019	1.1	0.0	No change	=====	Any private	82.3	1.1	458.8	Worse
	Uninsured	2006	1.8	2019	6.3	-0.3	No change	=====			6.3	429.4	Worse
Metropolitan status	Large fringe metro	2006	62.1	2019	65.9	-0.9	No change	=====	=====	=====	=====	=====	=====

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	Metropolitan	2006	55.2	2019	59.7	-1.1	Improving	=====	Large fringe metro	65.9	59.7	18.2	Worse
	Large central metro	2006	50.5	2019	57.0	-1.3	Improving	=====			57.0	26.1	Worse
	Medium metro	2006	54.5	2019	57.2	-0.7	No change	=====			57.2	25.5	Worse
	Small metro	2006	53.2	2019	57.1	-1.2	Improving	=====			57.1	25.8	Worse
	Nonmetropolitan	2006	48.1	2019	52.4	-0.3	No change	=====			52.4	39.6	Worse
	Micropolitan	2006	50.9	2019	53.1	0.1	No change	=====			53.1	37.5	Worse
	Noncore	2006	42.5	2019	51.2	-0.9	No change	=====			51.2	43.1	Worse
Age	18-44	2006	53.6	2019	60.5	-1.4	Improving	=====	=====	=====	=====	=====	=====
	0-17	2006	50.1	2019	52.0	-0.6	No change	=====	18-44	60.5	52.0	21.5	Worse
	45-64	2006	58.6	2019	62.4	-0.7	No change	=====			62.4	-4.8	Same
Disability status	Without disability	2013	55.6	2019	63.8	-3.5	Improving	=====	=====	=====	=====	=====	=====
	With disability	2013	35.5	2019	41.6	-1.7	Improving	=====	Without disability	63.8	41.6	61.3	Worse
Gender	Male	2006	52.9	2019	58.1	-1.1	Improving	=====	=====	=====	=====	=====	=====
	Female	2006	55.2	2019	59.5	-0.9	No change	=====	Male	58.1	59.5	-3.3	Same
Education	Some college	2006	67.2	2019	71.4	-1.2	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2006	31.0	2019	34.4	-0.5	No change	=====	Some college	71.4	34.4	129.4	Worse
	High school graduate	2006	50.3	2019	52.4	-0.3	No change	=====			52.4	66.4	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.20. Measure: Adults age 65 and over with any Medicare Advantage health insurance

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	28.0	2020	31.8	-----	-----	=====					
Race	White	2019	27.9	2020	31.5	-----	-----	=====					
	Asian	2019	31.0	2020	36.9	-----	-----	=====	White	31.5	36.9	-7.9	Same
	Black	2019	28.7	2020	33.1	-----	-----	=====			33.1	-2.3	Same
	Multiple races	2019	31.5	2020	26.9	-----	-----	=====			26.9	6.7	Same
Ethnicity	Non-Hispanic, White	2019	27.8	2020	31.3	-----	-----	=====					
	Hispanic, all races	2019	27.7	2020	33.8	-----	-----	=====	Non-Hispanic, White	31.3	33.8	-3.6	Same
	Non-Hispanic, all races	2019	28.0	2020	31.6	-----	-----	=====			31.6	-0.4	Same
	Non-Hispanic, Asian	2020	37.4	2020	37.4	-----	-----	=====			37.4	-8.9	Same
	Non-Hispanic, Black	2019	29.0	2020	33.4	-----	-----	=====			33.4	-3.1	Same
	Non-Hispanic, multiple races	2020	26.6	2020	26.6	-----	-----	=====			26.6	6.8	Same
Income	400% of PG or more	2019	25.8	2020	29.7	-----	-----	=====					
	Less than 100% of PG	2019	21.7	2020	25.6	-----	-----	=====	400% of PG or more	29.7	25.6	5.8	Same
	100-199% of PG	2019	29.7	2020	35.3	-----	-----	=====			35.3	-8.0	Same
	200-399% of PG	2019	31.3	2020	33.5	-----	-----	=====			33.5	-5.4	Same
Metropolitan status	Large fringe metro	2019	28.2	2020	33.3	-----	-----	=====					
	Metropolitan	2019	30.3	2020	34.3	-----	-----	=====	Large fringe metro	33.3	34.3	-1.5	Same
	Large central metro	2019	37.2	2020	38.6	-----	-----	=====			38.6	-7.9	Same
	Medium metro	2019	28.8	2020	34.4	-----	-----	=====			34.4	-1.6	Same
	Small metro	2019	21.0	2020	25.5	-----	-----	=====			25.5	11.7	Worse
	Micropolitan	2019	17.3	2020	20.9	-----	-----	=====			20.9	18.6	Worse
	Noncore	2019	19.0	2020	20.5	-----	-----	=====			20.5	19.2	Worse
Disability status	Without disability	2019	28.7	2020	32.3	-----	-----	=====					

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	With disability	2019	25.2	2020	29.5	-----	-----	=====	Without disability	32.3	29.5	4.1	Same
Gender	Male	2019	25.9	2020	29.8	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019	29.7	2020	33.4	-----	-----	=====	Male	29.8	33.4	-5.1	Same
Education	Some college	2019	29.4	2020	33.1	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2019	24.8	2020	30.1	-----	-----	=====	Some college	33.1	30.1	4.5	Same
	High school graduate	2019	27.1	2020	30.4	-----	-----	=====			30.4	4.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.21. Measure: Adults age 65 and over with any dual-eligible health insurance plan

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	7.6	2020	6.8	-----	-----	=====					
Race	White	2019	4.9	2020	4.7	-----	-----	=====					
	Asian	2019	22.7	2020	13.1	-----	-----	=====	White	4.7	13.1	-8.8	Same
	Black	2019	15.9	2020	14.0	-----	-----	=====			14.0	-9.8	Same
	Multiple races	2019	14.6	2020	16.4	-----	-----	=====			16.4	-12.3	Better
Ethnicity	Non-Hispanic, White	2019	3.9	2020	3.6	-----	-----	=====					
	Hispanic, all races	2019	22.0	2020	22.2	-----	-----	=====	Non-Hispanic, White	3.6	22.2	-19.3	Better
	Non-Hispanic, all races	2019	6.3	2020	5.3	-----	-----	=====			5.3	-1.8	Same
	Non-Hispanic, Asian	2020	13.3	2020	13.3	-----	-----	=====			13.3	-10.1	Better
	Non-Hispanic, Black	2019	15.2	2020	13.5	-----	-----	=====			13.5	-10.3	Better
Income	400% of PG or more	2019	1.5	2020	1.3	-----	-----	=====					
	Less than 100% of PG	2019	34.7	2020	35.8	-----	-----	=====	400% of PG or more	1.3	35.8	-35.0	Better
	100-199% of PG	2019	11.9	2020	11.2	-----	-----	=====			11.2	-10.0	Better
	200-399% of PG	2019	4.1	2020	3.5	-----	-----	=====			3.5	-2.2	Same
Metropolitan status	Large fringe metro	2019	4.4	2020	3.5	-----	-----	=====					
	Metropolitan	2019	7.8	2020	6.6	-----	-----	=====	Large fringe metro	3.5	6.6	-3.2	Same
	Large central metro	2019	12.4	2020	11.0	-----	-----	=====			11.0	-7.8	Same
	Medium metro	2019	6.7	2020	5.7	-----	-----	=====			5.7	-2.3	Same
	Small metro	2019	6.5	2020	4.0	-----	-----	=====			4.0	-0.5	Same
	Micropolitan	2019	7.5	2020	7.8	-----	-----	=====			7.8	-4.5	Same
	Noncore	2019	6.3	2020	8.0	-----	-----	=====			8.0	-4.7	Same
Disability status	Without disability	2019	5.8	2020	5.2	-----	-----	=====					
	With disability	2019	15.5	2020	14.0	-----	-----	=====	Without disability	5.2	14.0	-9.3	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Gender	Male	2019	5.8	2020	5.1	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019	9.1	2020	8.2	-----	-----	=====	Male	5.1	8.2	-3.3	Same
Education	Some college	2019	4.1	2020	3.3	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2019	21.2	2020	21.1	-----	-----	=====	Some college	3.3	21.1	-18.4	Better
	High school graduate	2019	6.2	2020	6.4	-----	-----	=====			6.4	-3.2	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Access
Section: Usual Source of Care

Appendix Table 1.22. Measure: People with a specific source of ongoing care

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	89.9	2020	90.6	-----	-----	=====	=====	=====	=====	=====	=====
Race	White	2019	90.5	2020	91.4	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2019	90.9	2020	87.8	-----	-----	=====	White	91.4	87.8	41.9	Same
	Asian	2019	90.7	2020	91.5	-----	-----	=====			91.5	-1.2	Same
	NHPI	2019	86.7	2020	87.7	-----	-----	=====			87.7	43.0	Same
	Black	2019	88.3	2020	88.7	-----	-----	=====			88.7	31.4	Worse
	Multiple races	2019	88.8	2020	89.9	-----	-----	=====			89.9	17.4	Same
Ethnicity	Non-Hispanic, White	2019	91.4	2020	92.0	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2019	85.6	2020	87.2	-----	-----	=====	Non-Hispanic, White	92.0	87.2	60.0	Worse
	Non-Hispanic, all races	2019	90.8	2020	91.4	-----	-----	=====			91.4	7.5	Same
	Non-Hispanic, AI/AN	2020	93.1	2020	93.1	-----	-----	=====			93.1	-13.8	Same
	Non-Hispanic, Asian	2020	91.5	2020	91.5	-----	-----	=====			91.5	6.3	Same
	Non-Hispanic, NHPI	2020	86.4	2020	86.4	-----	-----	=====			86.4	70.0	Same
	Non-Hispanic, Black	2019	88.3	2020	88.8	-----	-----	=====			88.8	40.0	Worse
	Non-Hispanic, multiple races	2020	90.1	2020	90.1	-----	-----	=====			90.1	23.8	Same
Income	400% of PG or more	2019	93.3	2020	93.2	-----	-----	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2019	84.7	2020	86.4	-----	-----	=====	400% of PG or more	93.2	86.4	100.0	Worse
	100-199% of PG	2019	86.1	2020	87.7	-----	-----	=====			87.7	80.9	Worse
	200-399% of PG	2019	90.2	2020	90.7	-----	-----	=====			90.7	36.8	Worse
Health insurance	Any private	2019	92.3	2020	92.3	-----	-----	=====	=====	=====	=====	=====	=====

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	Public only	2019	92.2	2020	93.2	-----	-----	=====	Any private	92.3	93.2	-11.7	Same
	Uninsured	2019	61.9	2020	65.6	-----	-----	=====			65.6	346.8	Worse
Metropolitan status	Large fringe metro	2019	90.7	2020	91.7	-----	-----	=====					
	Metropolitan	2019	89.7	2020	90.5	-----	-----	=====	Large fringe metro	91.7	90.5	14.5	Worse
	Large central metro	2019	88.3	2020	89.0	-----	-----	=====			89.0	32.5	Worse
	Medium metro	2019	90.5	2020	91.2	-----	-----	=====			91.2	6.0	Same
	Small metro	2019	90.0	2020	90.8	-----	-----	=====			90.8	10.8	Same
	Micropolitan	2019	89.9	2020	90.4	-----	-----	=====			90.4	15.7	Same
	Noncore	2019	92.2	2020	93.0	-----	-----	=====			93.0	-15.7	Same
Age	18-44	2019	81.2	2020	82.2	-----	-----	=====					
	0-17	2019	97.1	2020	97.6	-----	-----	=====	18-44	82.2	97.6	-86.5	Better
	45-64	2019	91.4	2020	92.3	-----	-----	=====			92.3	-56.7	Better
	65 and over	2019	96.1	2020	96.5	-----	-----	=====			96.5	-80.3	Better
Disability status	Without disability	2019	87.4	2020	88.3	-----	-----	=====					
	With disability	2019	91.6	2020	91.9	-----	-----	=====	Without disability	88.3	91.9	-30.8	Better
Gender	Male	2019	87.2	2020	88.5	-----	-----	=====					
	Female	2019	92.4	2020	92.7	-----	-----	=====	Male	88.5	92.7	-36.5	Better
Education	Some college	2019	90.8	2020	91.5	-----	-----	=====					
	Less than high school graduate	2019	81.5	2020	84.7	-----	-----	=====	Some college	91.5	84.7	80.0	Worse
	High school graduate	2019	86.2	2020	87.6	-----	-----	=====			87.6	45.9	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.23. Measure: People in fair or poor health with a specific source of ongoing care

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	89.5	2020	92.1	-----	-----	=====					
Race	White	2019	90.4	2020	93.2	-----	-----	=====					
	AI/AN	2020	86.5	2020	86.5	-----	-----	=====	White	93.2	86.5	98.5	Same
	Asian	2019	93.7	2020	96.6	-----	-----	=====			96.6	-50.0	Better
	Black	2019	89.6	2020	88.9	-----	-----	=====			88.9	63.2	Worse
	Multiple races	2019	79.1	2020	92.4	-----	-----	=====			92.4	11.8	Same
Ethnicity	Non-Hispanic, White	2019	90.7	2020	94.3	-----	-----	=====					
	Hispanic, all races	2019	86.2	2020	87.2	-----	-----	=====	Non-Hispanic, White	94.3	87.2	124.6	Worse
	Non-Hispanic, all races	2019	90.4	2020	93.3	-----	-----	=====			93.3	17.5	Same
	Non-Hispanic, AI/AN	2020	89.6	2020	89.6	-----	-----	=====			89.6	82.5	Same
	Non-Hispanic, Asian	2020	96.6	2020	96.6	-----	-----	=====			96.6	-40.4	Same
	Non-Hispanic, Black	2019	89.7	2020	89.1	-----	-----	=====			89.1	91.2	Worse
	Non-Hispanic, multiple races	2020	93.8	2020	93.8	-----	-----	=====			93.8	8.8	Same
Income	400% of PG or more	2019	94.1	2020	94.9	-----	-----	=====					
	Less than 100% of PG	2019	85.5	2020	87.7	-----	-----	=====	400% of PG or more	94.9	87.7	141.2	Worse
	100-199% of PG	2019	89.2	2020	91.1	-----	-----	=====			91.1	74.5	Worse
	200-399% of PG	2019	90.4	2020	94.2	-----	-----	=====			94.2	13.7	Same
Health insurance	Any private	2019	92.8	2020	94.7	-----	-----	=====					
	Public only	2019	91.5	2020	92.7	-----	-----	=====	Any private	94.7	92.7	37.7	Same
	Uninsured	2019	59.4	2020	69.2	-----	-----	=====			69.2	481.1	Worse
Metropolitan status	Large fringe metro	2019	89.2	2020	93.5	-----	-----	=====					

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	Metropolitan	2019	89.2	2020	91.9	-----	-----	=====	Large fringe metro	93.5	91.9	24.6	Same
	Large central metro	2019	89.9	2020	90.5	-----	-----	=====			90.5	46.2	Same
	Medium metro	2019	87.7	2020	92.6	-----	-----	=====			92.6	13.8	Same
	Small metro	2019	90.5	2020	91.7	-----	-----	=====			91.7	27.7	Same
	Micropolitan	2019	89.6	2020	91.4	-----	-----	=====			91.4	32.3	Same
	Noncore	2019	92.9	2020	95.1	-----	-----	=====			95.1	-24.6	Same
Age	18-44	2019	78.8	2020	82.9	-----	-----	=====	=====	=====	=====	=====	=====
	0-17	2019	98.1	2020	98.1	-----	-----	=====	18-44	82.9	98.1	-88.9	Better
	45-64	2019	90.1	2020	93.6	-----	-----	=====			93.6	-62.6	Better
	65 and over	2019	95.4	2020	95.8	-----	-----	=====			95.8	-75.4	Better
Disability status	Without disability	2019	87.6	2020	91.5	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2019	91.9	2020	92.3	-----	-----	=====	Without disability	91.5	92.3	-9.4	Same
Gender	Male	2019	87.1	2020	91.8	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019	91.7	2020	92.5	-----	-----	=====	Male	91.8	92.5	-8.5	Same
Education	Some college	2019	91.8	2020	94.3	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2019	86.1	2020	89.3	-----	-----	=====	Some college	94.3	89.3	87.7	Worse
	High school graduate	2019	88.5	2020	91.9	-----	-----	=====			91.9	42.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.24. Measure: People who identified a hospital, emergency room, or clinic as a source of ongoing care

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	8.7	2020	8.4	-----	-----	=====					
Race	White	2019	8.2	2020	8.3	-----	-----	=====					
	AI/AN	2019	11.2	2020	7.9	-----	-----	=====	White	8.3	7.9	-4.8	Same
	Asian	2019	5.0	2020	5.1	-----	-----	=====			5.1	-38.6	Better
	Black	2019	11.5	2020	10.7	-----	-----	=====			10.7	28.9	Worse
	Multiple races	2019	9.5	2020	8.4	-----	-----	=====			8.4	1.2	Same
Ethnicity	Non-Hispanic, White	2019	8.3	2020	8.1	-----	-----	=====					
	Hispanic, all races	2019	9.0	2020	8.6	-----	-----	=====	Non-Hispanic, White	8.1	8.6	6.2	Same
	Non-Hispanic, all races	2019	8.6	2020	8.3	-----	-----	=====			8.3	2.5	Same
	Non-Hispanic, AI/AN	2020	8.2	2020	8.2	-----	-----	=====			8.2	1.2	Same
	Non-Hispanic, Asian	2020	5.2	2020	5.2	-----	-----	=====			5.2	-35.8	Better
	Non-Hispanic, NHPI	2020	15.9	2020	15.9	-----	-----	=====			15.9	96.3	Same
	Non-Hispanic, Black	2019	11.6	2020	10.8	-----	-----	=====			10.8	33.3	Worse
	Non-Hispanic, multiple races	2020	8.5	2020	8.5	-----	-----	=====			8.5	4.9	Same
Income	400% of PG or more	2019	6.7	2020	6.5	-----	-----	=====					
	Less than 100% of PG	2019	11.4	2020	10.8	-----	-----	=====	400% of PG or more	6.5	10.8	66.2	Worse
	100-199% of PG	2019	10.7	2020	10.3	-----	-----	=====			10.3	58.5	Worse
	200-399% of PG	2019	8.5	2020	8.6	-----	-----	=====			8.6	32.3	Worse
Health insurance	Any private	2019	7.0	2020	6.9	-----	-----	=====					
	Public only	2019	11.0	2020	10.7	-----	-----	=====	Any private	6.9	10.7	55.1	Worse
	Uninsured	2019	15.6	2020	16.0	-----	-----	=====			16.0	131.9	Worse
Metropolitan status	Large fringe metro	2019	7.9	2020	7.9	-----	-----	=====					
	Metropolitan	2019	8.7	2020	8.3	-----	-----	=====	Large fringe metro	7.9	8.3	5.1	Same
	Large central metro	2019	8.0	2020	7.8	-----	-----	=====			7.8	-1.3	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	Medium metro	2019	9.8	2020	9.0	-----	-----	=====			9.0	13.9	Same
	Small metro	2019	10.3	2020	9.1	-----	-----	=====			9.1	15.2	Same
	Micropolitan	2019	9.2	2020	9.8	-----	-----	=====			9.8	24.1	Same
	Noncore	2019	7.8	2020	8.0	-----	-----	=====			8.0	1.3	Same
Age	18-44	2019	12.3	2020	12.4	-----	-----	=====					
	0-17	2019	4.0	2020	3.4	-----	-----	=====	18-44	12.4	3.4	-72.6	Better
	45-64	2019	8.8	2020	8.7	-----	-----	=====			8.7	-29.8	Better
	65 and over	2019	7.0	2020	6.0	-----	-----	=====			6.0	-51.6	Better
Disability status	Without disability	2019	9.9	2020	9.8	-----	-----	=====					
	With disability	2019	11.0	2020	10.2	-----	-----	=====	Without disability	9.8	10.2	4.1	Same
Gender	Male	2019	9.7	2020	9.5	-----	-----	=====					
	Female	2019	7.6	2020	7.4	-----	-----	=====	Male	9.5	7.4	-22.1	Better
Education	Some college	2019	8.7	2020	8.9	-----	-----	=====					
	Less than high school graduate	2019	12.7	2020	11.4	-----	-----	=====	Some college	8.9	11.4	28.1	Worse
	High school graduate	2019	10.7	2020	10.5	-----	-----	=====			10.5	18.0	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Access
Section: Patient Perception of Need

Appendix Table 1.25. Measure: People with a usual source of care, excluding hospital emergency rooms, who has office hours at night or on weekends

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	45.4	2019	37.5	0.4	No change	=====	=====	=====	=====	=====	=====
Race	White	2002	45.3	2019	36.9	0.5	No change	=====	=====	=====	=====	=====	=====
	AI/AN	2002	35.0	2019	28.4	0.1	No change	=====	White	36.9	28.4	13.5	Same
	Asian	2002	43.9	2019	40.1	0.1	No change	=====			40.1	-5.1	Same
	NHPI	2004	40.5	2012	46.5	0.7	No change	=====			-----	-----	-----
	Black	2002	46.7	2019	40.4	0.1	No change	=====			40.4	-5.5	Same
	Multiple races	2002	50.7	2019	40.9	0.1	No change	=====			40.9	-6.3	Same
Ethnicity	Non-Hispanic, White	2002	45.7	2019	36.8	0.5	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	42.3	2019	37.2	0.4	No change	=====	Non-Hispanic, White	36.8	37.2	-0.6	Same
	Non-Hispanic, all races	2002	45.8	2019	37.6	0.4	No change	=====			37.6	-1.3	Same
	Non-Hispanic, Asian	2002	43.8	2019	39.7	0.2	No change	=====			39.7	-4.6	Same
	Non-Hispanic, Black	2002	46.7	2019	40.3	0.1	No change	=====			40.3	-5.5	Same
	Non-Hispanic, others	2002	45.7	2019	39.2	-0.1	No change	=====			39.2	-3.8	Same
Income	400% of PG or more	2002	46.6	2019	39.2	0.5	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	38.2	2019	34.8	0.0	No change	=====	400% of PG or more	39.2	34.8	7.2	Same
	100-199% of PG	2002	42.9	2019	35.9	0.2	No change	=====			35.9	5.4	Same
	200-399% of PG	2002	47.7	2019	37.0	0.5	No change	=====			37.0	3.6	Same
Health insurance	Any private	2002	49.0	2019	41.9	0.4	No change	=====	=====	=====	=====	=====	=====
	Public only	2002	42.8	2019	38.3	0.1	No change	=====	Any private	41.9	38.3	6.2	Same
	Uninsured	2002	45.5	2019	37.6	0.3	No change	=====			37.6	7.4	Same
Metropolitan status	Large fringe metro	2002	55.4	2019	45.7	0.8	No change	=====	=====	=====	=====	=====	=====

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	Metropolitan	2002	47.4	2019	39.1	0.5	No change	=====	Large fringe metro	45.7	39.1	12.2	Worse
	Large central metro	2002	45.5	2019	40.1	0.3	No change	=====			40.1	10.3	Worse
	Medium metro	2002	43.1	2019	33.6	0.4	No change	=====			33.6	22.3	Worse
	Small metro	2002	41.6	2019	30.3	0.6	No change	=====			30.3	28.4	Worse
	Nonmetropolitan	2002	35.6	2019	28.2	0.0	No change	=====			28.2	32.2	Worse
	Micropolitan	2002	35.7	2019	28.5	-0.1	No change	=====			28.5	31.7	Worse
	Noncore	2002	35.4	2019	27.9	0.2	No change	=====			27.9	32.8	Worse
Age	18-44	2002	45.6	2019	40.2	0.2	No change	=====	=====	=====	=====	=====	=====
	0-17	2002	56.5	2019	50.7	0.4	No change	=====	18-44	40.2	50.7	-17.6	Better
	45-64	2002	40.2	2019	31.1	0.3	No change	=====			31.1	15.2	Worse
	65 and over	2002	29.8	2019	23.2	0.0	No change	=====			23.2	28.4	Worse
Disability status	Without disability	2013	41.3	2019	34.2	1.6	Worsening	=====	=====	=====	=====	=====	=====
	With disability	2013	31.0	2019	25.7	1.2	No change	=====	Without disability	34.2	25.7	12.9	Worse
Gender	Male	2002	46.4	2019	38.6	0.4	No change	=====	=====	=====	=====	=====	=====
	Female	2002	44.4	2019	36.6	0.4	No change	=====	Male	38.6	36.6	3.3	Same
Education	Some college	2002	40.6	2019	32.9	0.3	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	38.3	2019	31.1	0.1	No change	=====	Some college	32.9	31.1	2.7	Same
	High school graduate	2002	42.4	2019	31.9	0.6	No change	=====			31.9	1.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.26. Measure: People with a usual source of care who is somewhat to very difficult to contact over the telephone during regular business hours

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	19.1	2019	16.4	-1.0	No change	=====	=====	=====	=====	=====	=====
Race	White	2002	19.4	2019	16.4	-1.1	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2002	24.2	2019	19.6	-2.6	Improving	=====	White	16.4	19.6	19.5	Same
	Asian	2002	17.4	2019	12.8	-1.6	Improving	=====			12.8	-22.0	Same
	Black	2002	16.9	2019	16.0	-0.4	No change	=====			16.0	-2.4	Same
	Multiple races	2002	26.1	2019	20.9	-0.8	No change	=====			20.9	27.4	Same
Ethnicity	Non-Hispanic, White	2002	19.1	2019	16.0	-1.1	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	21.4	2019	18.0	-1.0	Improving	=====	Non-Hispanic, White	16.0	18.0	12.5	Same
	Non-Hispanic, all races	2002	18.8	2019	16.1	-1.0	Improving	=====			16.1	0.6	Same
	Non-Hispanic, Asian	2002	17.5	2019	12.9	-1.6	Improving	=====			12.9	-19.4	Same
	Non-Hispanic, Black	2002	16.7	2019	16.0	-0.4	No change	=====			16.0	0.0	Same
	Non-Hispanic, others	2002	24.1	2019	23.6	-0.8	No change	=====			23.6	47.5	Worse
Income	400% of PG or more	2002	18.6	2019	15.1	-1.3	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	22.9	2019	17.8	-1.0	No change	=====	400% of PG or more	15.1	17.8	17.9	Worse
	100-199% of PG	2002	17.8	2019	17.8	-0.1	No change	=====			17.8	17.9	Worse
	200-399% of PG	2002	19.0	2019	17.0	-1.2	Improving	=====			17.0	12.6	Same
Health insurance	Any private	2002	18.9	2019	14.5	-1.6	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	21.1	2019	18.4	-0.7	No change	=====	Any private	14.5	18.4	26.9	Worse
	Uninsured	2002	20.8	2019	16.3	-0.9	No change	=====			16.3	12.4	Same
Metropolitan status	Large fringe metro	2002	18.2	2019	15.1	-1.6	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	19.5	2019	16.2	-1.3	Improving	=====	Large fringe metro	15.1	16.2	7.3	Same
	Large central metro	2002	21.6	2019	17.8	-1.3	Improving	=====			17.8	17.9	Worse
	Medium metro	2002	18.8	2019	16.1	-1.1	Improving	=====			16.1	6.6	Same
	Small metro	2002	17.7	2019	14.6	-0.5	No change	=====			14.6	-3.3	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	Nonmetropolitan	2002	17.4	2019	17.5	0.4	No change	=====			17.5	15.9	Same
	Micropolitan	2002	17.6	2019	15.6	-0.2	No change	=====			15.6	3.3	Same
	Noncore	2002	16.9	2019	20.2	1.2	No change	=====			20.2	33.8	Same
Age	18-44	2002	20.3	2019	16.0	-1.3	Improving	=====					
	0-17	2002	16.6	2019	12.6	-1.6	Improving	=====	18-44	16.0	12.6	-21.3	Better
	45-64	2002	21.2	2019	18.2	-0.8	No change	=====			18.2	13.8	Worse
	65 and over	2002	17.7	2019	20.0	-0.2	No change	=====			20.0	25.0	Worse
Disability status	Without disability	2013	13.9	2019	16.1	2.4	Worsening	=====					
	With disability	2013	23.3	2019	24.6	0.7	No change	=====	Without disability	16.1	24.6	52.8	Worse
Gender	Male	2002	18.5	2019	16.4	-0.9	No change	=====					
	Female	2002	19.6	2019	16.3	-1.1	Improving	=====	Male	16.4	16.3	-0.6	Same
Education	Some college	2002	20.9	2019	17.1	-1.2	Improving	=====					
	Less than high school graduate	2002	20.2	2019	20.5	-0.2	No change	=====	Some college	17.1	20.5	19.9	Worse
	High school graduate	2002	18.9	2019	18.4	-0.4	No change	=====			18.4	7.6	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.27. Measure: Adults who tried to make an appointment to see a specialist in the last 12 months who sometimes or never found it easy to get the appointment

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	24.9	2019	24.9	-----	-----	=====					
Race	White	2019	22.9	2019	22.9	-----	-----	=====					
	Asian	2019	31.6	2019	31.6	-----	-----	=====	White	22.9	31.6	38.0	Worse
	Black	2019	33.4	2019	33.4	-----	-----	=====			33.4	45.9	Worse
	Multiple races	2019	33.0	2019	33.0	-----	-----	=====			33.0	44.1	Worse
Ethnicity	Non-Hispanic, White	2019	19.6	2019	19.6	-----	-----	=====					
	Hispanic, all races	2019	42.2	2019	42.2	-----	-----	=====	Non-Hispanic, White	19.6	42.2	115.3	Worse
	Non-Hispanic, all races	2019	22.4	2019	22.4	-----	-----	=====			22.4	14.3	Worse
	Non-Hispanic, Asian	2019	30.8	2019	30.8	-----	-----	=====			30.8	57.1	Worse
	Non-Hispanic, Black	2019	33.9	2019	33.9	-----	-----	=====			33.9	73.0	Worse
	Non-Hispanic, others	2019	34.2	2019	34.2	-----	-----	=====			34.2	74.5	Worse
Income	400% of PG or more	2019	20.3	2019	20.3	-----	-----	=====					
	Less than 100% of PG	2019	31.7	2019	31.7	-----	-----	=====	400% of PG or more	20.3	31.7	56.2	Worse
	100-199% of PG	2019	30.1	2019	30.1	-----	-----	=====			30.1	48.3	Worse
	200-399% of PG	2019	27.6	2019	27.6	-----	-----	=====			27.6	36.0	Worse
Health insurance	Any private	2019	25.7	2019	25.7	-----	-----	=====					
	Public only	2019	35.4	2019	35.4	-----	-----	=====	Any private	25.7	35.4	37.7	Worse
	Uninsured	2019	68.4	2019	68.4	-----	-----	=====			68.4	166.1	Worse
Metropolitan status	Large fringe metro	2019	24.3	2019	24.3	-----	-----	=====					
	Metropolitan	2019	25.4	2019	25.4	-----	-----	=====	Large fringe metro	24.3	25.4	4.5	Same
	Large central metro	2019	26.9	2019	26.9	-----	-----	=====			26.9	10.7	Same
	Medium metro	2019	25.0	2019	25.0	-----	-----	=====			25.0	2.9	Same
	Small metro	2019	24.9	2019	24.9	-----	-----	=====			24.9	2.5	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
	Nonmetropolitan	2019	21.3	2019	21.3	-----	-----	=====			21.3	-12.3	Same
	Micropolitan	2019	22.6	2019	22.6	-----	-----	=====			22.6	-7.0	Same
	Noncore	2019	19.2	2019	19.2	-----	-----	=====			19.2	-21.0	Better
Age	18-44	2019	35.4	2019	35.4	-----	-----	=====	=====	=====	=====	=====	=====
	45-64	2019	23.6	2019	23.6	-----	-----	=====	18-44	35.4	23.6	-33.3	Better
	65 and over	2019	15.5	2019	15.5	-----	-----	=====			15.5	-56.2	Better
Disability status	Without disability	2019	26.0	2019	26.0	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2019	21.4	2019	21.4	-----	-----	=====	Without disability	26.0	21.4	-17.7	Better
Gender	Male	2019	25.7	2019	25.7	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019	24.3	2019	24.3	-----	-----	=====	Male	25.7	24.3	-5.4	Same
Education	Some college	2019	21.3	2019	21.3	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2019	34.9	2019	34.9	-----	-----	=====	Some college	21.3	34.9	63.8	Worse
	High school graduate	2019	28.8	2019	28.8	-----	-----	=====			28.8	35.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 1.28. Measure: Children who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	9.9	2019	9.9	-----	-----	=====					
Race	White	2019	9.3	2019	9.3	-----	-----	=====					
	Black	2019	14.1	2019	14.1	-----	-----	=====	White	9.3	14.1	51.9	Same
Ethnicity	Non-Hispanic, White	2019	8.2	2019	8.2	-----	-----	=====					
	Hispanic, all races	2019	14.7	2019	14.7	-----	-----	=====	Non-Hispanic, White	8.2	14.7	80.0	Same
	Non-Hispanic, all races	2019	8.9	2019	8.9	-----	-----	=====			8.9	8.6	Same
Income	400% of PG or more	2019	8.1	2019	8.1	-----	-----	=====					
	Less than 100% of PG	2019	15.1	2019	15.1	-----	-----	=====	400% of PG or more	8.1	15.1	87.1	Same
	100-199% of PG	2019	11.9	2019	11.9	-----	-----	=====			11.9	47.6	Same
	200-399% of PG	2019	9.1	2019	9.1	-----	-----	=====			9.1	13.1	Same
Health insurance	Any private	2019	9.0	2019	9.0	-----	-----	=====					
	Public only	2019	12.5	2019	12.5	-----	-----	=====	Any private	9.0	12.5	39.9	Same
Metropolitan status	Large fringe metro	2019	6.6	2019	6.6	-----	-----	=====					
	Metropolitan	2019	9.9	2019	9.9	-----	-----	=====	Large fringe metro	6.6	9.9	49.5	Same
	Large central metro	2019	12.5	2019	12.5	-----	-----	=====			12.5	88.7	Same
	Medium metro	2019	9.9	2019	9.9	-----	-----	=====			9.9	49.4	Same
Age	0-5	2019	10.8	2019	10.8	-----	-----	=====					
	6-17	2019	9.5	2019	9.5	-----	-----	=====	0-5	10.8	9.5	-11.4	Same
Gender	Male	2019	12.5	2019	12.5	-----	-----	=====					
	Female	2019	6.9	2019	6.9	-----	-----	=====	Male	12.5	6.9	-44.7	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Affordable Care

The goal of the Affordable Care Act was to establish quality, affordable healthcare for Americans. The law also created a platform to test new healthcare payment and delivery models through the Centers for Medicare & Medicaid Services. Tracking this quality domain helps healthcare professionals, researchers, and policymakers better understand the status of affordable care.

Reducing the cost of healthcare will support two related goals under this quality domain. The first includes ensuring affordable and accessible high-quality healthcare for people, families, caregivers, employers, and governments. The second is supporting and enabling communities to ensure accessible, high-quality care while reducing waste and fraud.

Importance

Affordability of care remains a central barrier to access to care for many individuals and families and caregivers. Several financial and nonfinancial barriers contribute to the inaccessibility of care. Financial barriers include high premiums and copays, lack of insurance, and underinsurance. Nonfinancial barriers include transportation challenges, negative interactions with care teams, delayed access to a healthcare provider, and inability to access care due to competing demands (e.g., childcare, work schedules).¹ Past research continues to show that lack of insurance and inaccessible care are linked to patient mortality.^{2,3}

Key Findings

Affordable care measures that show worsening disparities include:

- People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income.
- People without a usual source of care who indicated a financial or insurance reason for not having a source of care.

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Chapter: Affordable Care
Section: Financial Burden of Healthcare

Appendix Table 2.1. Measure: People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income
Source: Medical Expenditure Panel Survey
Benchmark was not available.
Disparity Year: 2019
Note: Lower estimates are better for this measure. The unit of measurement is percentage.
Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	14.3	2019	18.2	0.7	No change	=====	=====	=====	=====	=====	=====
Race	White	2002	14.6	2019	19.0	0.9	No change	=====	=====	=====	=====	=====	=====
	AI/AN	2002	20.6	2019	17.8	-0.1	No change	=====	White	19.0	17.8	-6.3	Same
	Asian	2002	11.0	2019	16.5	0.4	No change	=====			16.5	-13.2	Same
	NHPI	2004	13.3	2019	18.7	1.3	No change	=====			18.7	-1.6	Same
	Black	2002	13.1	2019	16.1	-0.1	No change	=====			16.1	-15.3	Better
	Multiple races	2002	18.0	2019	13.9	-1.1	No change	=====			13.9	-26.8	Better
Ethnicity	Non-Hispanic, White	2002	15.1	2019	20.5	1.1	Worsening	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	12.1	2019	14.2	0.8	No change	=====	Non-Hispanic, White	20.5	14.2	-30.7	Better
	Non-Hispanic, all races	2002	14.7	2019	19.3	0.7	No change	=====			19.3	-5.9	Same
	Non-Hispanic, Asian	2002	11.0	2019	16.7	0.4	No change	=====			16.7	-18.5	Better
	Non-Hispanic, Black	2002	13.2	2019	16.1	-0.2	No change	=====			16.1	-21.5	Better
	Non-Hispanic, others	2002	18.7	2019	16.4	-0.5	No change	=====			16.4	-20.0	Better
Income	400% of PG or more	2002	4.5	2019	10.3	3.9	Worsening	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	32.6	2019	25.3	-2.2	Improving	=====	400% of PG or more	10.3	25.3	145.6	Worse
	100-199% of PG	2002	20.5	2019	22.7	-0.3	No change	=====			22.7	120.4	Worse
	200-399% of PG	2002	15.7	2019	24.0	1.8	Worsening	=====			24.0	133.0	Worse
Health insurance	Private, employer-sponsored	2002	12.3	2019	20.5	1.9	Worsening	=====	=====	=====	=====	=====	=====
	Private, non-group	2002	44.2	2017	52.6	0.2	No change	=====	Private, employer-sponsored	20.5	-----	-----	-----
	Public only	2002	17.7	2019	13.3	-2.4	Improving	=====			13.3	-35.1	Better
	Part-year uninsured	2002	16.2	2019	14.9	-0.3	No change	=====			14.9	-27.3	Better
	Full-year uninsured	2002	13.1	2019	10.9	-1.4	Improving	=====			10.9	-46.8	Better

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2002	12.5	2019	18.8	1.8	Worsening	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	13.4	2019	18.0	0.9	No change	=====	Large fringe metro	18.8	18.0	-4.3	Same
	Large central metro	2002	13.0	2019	15.6	0.5	No change	=====			15.6	-17.0	Better
	Medium metro	2002	14.7	2019	21.0	0.5	No change	=====			21.0	11.7	Same
	Small metro	2002	14.3	2019	18.5	1.1	Worsening	=====			18.5	-1.6	Same
	Nonmetropolitan	2002	19.4	2019	19.7	-0.3	No change	=====			19.7	4.8	Same
	Micropolitan	2002	18.0	2019	19.2	-0.2	No change	=====			19.2	2.1	Same
	Noncore	2002	22.3	2019	20.6	-0.5	No change	=====			20.6	9.6	Same
Age	18-44	2002	11.8	2019	15.4	1.0	No change	=====	=====	=====	=====	=====	=====
	0-17	2002	14.3	2019	18.5	0.9	No change	=====	18-44	15.4	18.5	20.1	Worse
	45-64	2002	18.4	2019	21.9	0.0	No change	=====			21.9	42.2	Worse
Disability status	Without disability	2013	15.6	2019	16.7	1.4	No change	=====	=====	=====	=====	=====	=====
	With disability	2013	29.0	2019	29.9	1.0	No change	=====	Without disability	16.7	29.9	79.0	Worse
Gender	Male	2002	13.1	2019	17.1	0.8	No change	=====	=====	=====	=====	=====	=====
	Female	2002	15.6	2019	19.3	0.5	No change	=====	Male	17.1	19.3	12.9	Worse
Education	Some college	2002	11.9	2019	17.5	1.4	Worsening	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	17.3	2019	18.4	-0.5	No change	=====	Some college	17.5	18.4	5.1	Same
	High school graduate	2002	16.2	2019	19.5	0.4	No change	=====			19.5	11.4	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

*Chapter: Affordable Care
Section: Usual Source of Care*

Appendix Table 2.2. Measure: People without a usual source of care who indicated a financial or insurance reason for not having a source of care
Source: Medical Expenditure Panel Survey
Benchmark was not available.
Disparity Year: 2019
Note: Lower estimates are better for this measure. The unit of measurement is percentage.
Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	15.6	2019	15.6	-0.3	No change	=====	=====	=====	=====	=====	=====
Race	White	2002	15.9	2019	16.4	-0.3	No change	=====	=====	=====	=====	=====	=====
	Asian	2002	15.4	2019	11.1	-1.6	No change	=====	White	16.4	11.1	-32.3	Same
	Black	2002	13.1	2019	13.1	0.2	No change	=====			13.1	-20.1	Same
	Multiple races	2002	26.7	2019	16.9	-3.5	Improving	=====			16.9	3.0	Same
Ethnicity	Non-Hispanic, White	2002	12.8	2019	12.2	-1.1	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	23.0	2019	24.4	0.5	No change	=====	Non-Hispanic, White	12.2	24.4	100.0	Worse
	Non-Hispanic, all races	2002	13.3	2019	12.5	-0.9	No change	=====			12.5	2.5	Same
	Non-Hispanic, Asian	2002	15.3	2019	11.4	-1.5	No change	=====			11.4	-6.6	Same
	Non-Hispanic, Black	2002	13.1	2019	13.1	0.3	No change	=====			13.1	7.4	Same
	Non-Hispanic, others	2002	21.5	2019	17.6	-2.8	Improving	=====			17.6	44.3	Same
Income	400% of PG or more	2002	6.8	2019	8.1	0.0	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	24.3	2019	22.7	-0.6	No change	=====	400% of PG or more	8.1	22.7	180.2	Worse
	100-199% of PG	2002	23.2	2019	21.5	-0.2	No change	=====			21.5	165.4	Worse
	200-399% of PG	2002	13.8	2019	17.6	0.8	No change	=====			17.6	117.3	Worse
Health insurance	Any private	2002	8.9	2019	8.7	-0.3	No change	=====	=====	=====	=====	=====	=====
	Public only	2002	18.5	2019	16.9	-1.5	Improving	=====	Any private	8.7	16.9	94.3	Worse
	Uninsured	2002	28.0	2019	43.2	2.7	Worsening	=====			43.2	396.6	Worse
Metropolitan status	Large fringe metro	2002	13.6	2019	14.9	-0.1	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	16.3	2019	16.0	-0.5	No change	=====	Large fringe metro	14.9	16.0	7.4	Same
	Large central metro	2002	20.6	2019	18.5	-0.6	No change	=====			18.5	24.2	Same
	Medium metro	2002	13.4	2019	15.5	-0.2	No change	=====			15.5	4.0	Same
	Small metro	2002	12.2	2019	10.5	-1.0	No change	=====			10.5	-29.5	Same
	Nonmetropolitan	2002	11.3	2019	11.9	0.8	No change	=====			11.9	-20.1	Same
	Micropolitan	2002	11.8	2019	11.8	1.1	No change	=====			11.8	-20.8	Same
	Noncore	2002	10.3	2019	12.1	0.5	No change	=====			12.1	-18.8	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2002	15.9	2019	16.3	-0.4	No change	=====	=====	=====	=====	=====	=====
	0-17	2002	16.7	2019	13.6	-1.2	No change	=====	18-44	16.3	13.6	-16.6	Same
	45-64	2002	16.3	2019	17.3	0.4	No change	=====			17.3	6.1	Same
	65 and over	2003	7.8	2019	5.5	-1.1	No change	=====			5.5	-66.3	Better
Disability status	Without disability	2013	23.7	2019	15.3	-6.9	Improving	=====	=====	=====	=====	=====	=====
	With disability	2013	33.8	2019	20.5	-6.4	Improving	=====	Without disability	15.3	20.5	34.0	Worse
Gender	Male	2002	13.9	2019	14.7	0.3	No change	=====	=====	=====	=====	=====	=====
	Female	2002	18.0	2019	16.7	-1.1	No change	=====	Male	14.7	16.7	13.6	Same
Education	Some college	2002	12.2	2019	12.0	-0.5	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	21.5	2019	26.8	1.1	No change	=====	Some college	12.0	26.8	123.3	Worse
	High school graduate	2002	15.0	2019	17.2	0.6	No change	=====			17.2	43.3	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 2.3. Measure: Composite measure: People unable to get or delayed in getting needed medical care, dental care, or prescription medicines due to cost

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2018	18.8	2019	18.8	-----	-----	=====					
Race	White	2018	19.3	2019	19.4	-----	-----	=====					
	AI/AN	2018	22.3	2019	18.0	-----	-----	=====	White	19.4	18.0	-7.2	Same
	Asian	2018	11.5	2019	10.8	-----	-----	=====			10.8	-44.3	Better
	NHPI	2019	20.2	2019	20.2	-----	-----	=====			20.2	4.1	Same
	Black	2018	17.7	2019	17.8	-----	-----	=====			17.8	-8.2	Same
	Multiple races	2018	21.7	2019	21.4	-----	-----	=====			21.4	10.3	Same
	Ethnicity	Non-Hispanic, White	2018	19.4	2019	19.6	-----	-----	=====				
Hispanic, all races		2018	18.6	2019	18.4	-----	-----	=====	Non-Hispanic, White	19.6	18.4	-6.1	Same
Non-Hispanic, all races		2018	18.8	2019	18.8	-----	-----	=====			18.8	-4.1	Same
Non-Hispanic, Asian		2018	11.5	2019	10.9	-----	-----	=====			10.9	-44.4	Better
Non-Hispanic, Black		2018	18.0	2019	18.1	-----	-----	=====			18.1	-7.7	Same
Non-Hispanic, others		2018	23.3	2019	21.7	-----	-----	=====			21.7	10.7	Same
Income		400% of PG or more	2018	12.5	2019	13.1	-----	-----	=====				
	Less than 100% of PG	2018	23.2	2019	24.0	-----	-----	=====	400% of PG or more	13.1	24.0	83.2	Worse
	100-199% of PG	2018	26.2	2019	24.2	-----	-----	=====			24.2	84.7	Worse
	200-399% of PG	2018	21.6	2019	21.6	-----	-----	=====			21.6	64.9	Worse
Health insurance	Any private	2018	16.2	2019	16.3	-----	-----	=====					
	Public only	2018	18.9	2019	18.7	-----	-----	=====	Any private	16.3	18.7	14.7	Worse
	Uninsured	2018	39.3	2019	40.7	-----	-----	=====			40.7	149.7	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2018	18.2	2019	18.1	-----	-----	=====	=====	=====	=====	=====	=====
	Metropolitan	2018	18.5	2019	18.4	-----	-----	=====	Large fringe metro	18.1	18.4	1.7	Same
	Large central metro	2018	18.0	2019	17.6	-----	-----	=====			17.6	-2.8	Same
	Medium metro	2018	18.3	2019	19.4	-----	-----	=====			19.4	7.2	Same
	Small metro	2018	21.1	2019	19.6	-----	-----	=====			19.6	8.3	Same
	Nonmetropolitan	2018	20.5	2019	21.4	-----	-----	=====			21.4	18.2	Worse
	Micropolitan	2018	18.7	2019	21.4	-----	-----	=====			21.4	18.2	Worse
	Noncore	2018	23.4	2019	21.5	-----	-----	=====			21.5	18.8	Same
Age	18-44	2018	21.6	2019	21.5	-----	-----	=====	=====	=====	=====	=====	=====
	0-17	2018	6.2	2019	7.4	-----	-----	=====	18-44	21.5	7.4	-65.6	Better
	45-64	2018	25.5	2019	24.7	-----	-----	=====			24.7	14.9	Worse
	65 and over	2018	19.6	2019	19.3	-----	-----	=====			19.3	-10.2	Better
Disability status	Without disability	2018	20.2	2019	19.7	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2018	33.3	2019	33.8	-----	-----	=====	Without disability	19.7	33.8	71.6	Worse
Gender	Male	2018	17.2	2019	16.9	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2018	20.3	2019	20.6	-----	-----	=====	Male	16.9	20.6	21.9	Worse
Education	Some college	2018	20.8	2019	20.8	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2018	25.5	2019	25.3	-----	-----	=====	Some college	20.8	25.3	21.6	Worse
	High school graduate	2018	24.8	2019	23.7	-----	-----	=====			23.7	13.9	Worse

----- : Data were not available for the analysis.
 ===== : Not applicable.
 More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 2.4. Measure: People unable to get or delayed in getting needed medical care due to cost

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2018	8.7	2019	8.8	-----	-----	=====					
Race	White	2018	8.9	2019	9.1	-----	-----	=====					
	AI/AN	2018	13.2	2019	6.0	-----	-----	=====	White	9.1	6.0	-33.7	Same
	Asian	2018	4.3	2019	5.6	-----	-----	=====			5.6	-38.0	Better
	Black	2018	8.4	2019	8.2	-----	-----	=====			8.2	-9.7	Same
	Multiple races	2018	10.6	2019	11.6	-----	-----	=====			11.6	28.3	Same
Ethnicity	Non-Hispanic, White	2018	8.8	2019	8.8	-----	-----	=====					
	Hispanic, all races	2018	9.2	2019	9.5	-----	-----	=====	Non-Hispanic, White	8.8	9.5	7.5	Same
	Non-Hispanic, all races	2018	8.6	2019	8.7	-----	-----	=====			8.7	-2.0	Same
	Non-Hispanic, Asian	2018	4.3	2019	5.7	-----	-----	=====			5.7	-35.4	Better
	Non-Hispanic, Black	2018	8.5	2019	8.4	-----	-----	=====			8.4	-4.6	Same
	Non-Hispanic, others	2018	11.9	2019	11.3	-----	-----	=====			11.3	27.9	Same
Income	400% of PG or more	2018	5.7	2019	5.7	-----	-----	=====					
	Less than 100% of PG	2018	11.0	2019	11.1	-----	-----	=====	400% of PG or more	5.7	11.1	93.0	Worse
	100-199% of PG	2018	12.4	2019	11.5	-----	-----	=====			11.5	100.7	Worse
	200-399% of PG	2018	9.9	2019	10.8	-----	-----	=====			10.8	88.1	Worse
Health insurance	Any private	2018	7.9	2019	7.9	-----	-----	=====					
	Public only	2018	8.4	2019	8.5	-----	-----	=====	Any private	7.9	8.5	6.7	Same
	Uninsured	2018	26.2	2019	27.8	-----	-----	=====			27.8	250.8	Worse
Metropolitan status	Large fringe metro	2018	8.3	2019	8.6	-----	-----	=====					
	Metropolitan	2018	8.6	2019	8.8	-----	-----	=====	Large fringe metro	8.6	8.8	1.7	Same
	Large central metro	2018	8.7	2019	8.8	-----	-----	=====			8.8	1.7	Same
	Medium metro	2018	8.6	2019	8.8	-----	-----	=====			8.8	2.0	Same
	Small metro	2018	9.4	2019	9.1	-----	-----	=====			9.1	5.8	Same
	Nonmetropolitan	2018	9.1	2019	9.2	-----	-----	=====			9.2	6.6	Same
	Micropolitan	2018	8.3	2019	9.1	-----	-----	=====			9.1	6.2	Same
	Noncore	2018	10.5	2019	9.2	-----	-----	=====			9.2	7.3	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2018	10.8	2019	11.5	-----	-----	=====					
	0-17	2018	2.5	2019	2.9	-----	-----	=====	18-44	11.5	2.9	-74.8	Better
	45-64	2018	13.7	2019	12.6	-----	-----	=====			12.6	8.9	Same
	65 and over	2018	4.9	2019	5.1	-----	-----	=====			5.1	-55.5	Better
Disability status	Without disability	2018	9.6	2019	9.5	-----	-----	=====					
	With disability	2018	14.9	2019	15.7	-----	-----	=====	Without disability	9.5	15.7	65.8	Worse
Gender	Male	2018	8.0	2019	8.0	-----	-----	=====					
	Female	2018	9.4	2019	9.6	-----	-----	=====	Male	8.0	9.6	21.0	Worse
Education	Some college	2018	9.8	2019	10.2	-----	-----	=====					
	Less than high school graduate	2018	13.0	2019	12.2	-----	-----	=====	Some college	10.2	12.2	20.1	Worse
	High school graduate	2018	10.9	2019	10.8	-----	-----	=====			10.8	6.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 2.5. Measure: People unable to get or delayed in getting needed dental care due to cost

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2018	14.5	2019	14.3	-----	-----	=====	=====	=====	=====	=====	=====
Race	White	2018	14.9	2019	14.9	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2018	17.2	2019	13.3	-----	-----	=====	White	14.9	13.3	-10.7	Same
	Asian	2018	9.5	2019	7.8	-----	-----	=====			7.8	-47.7	Better
	NHPI	2019	19.0	2019	19.0	-----	-----	=====			19.0	27.5	Same
	Black	2018	14.1	2019	13.5	-----	-----	=====			13.5	-9.4	Same
	Multiple races	2018	15.5	2019	16.3	-----	-----	=====			16.3	9.4	Same
	Ethnicity	Non-Hispanic, White	2018	14.7	2019	14.8	-----	-----	=====	=====	=====	=====	=====
Hispanic, all races		2018	15.2	2019	14.8	-----	-----	=====	Non-Hispanic, White	14.8	14.8	0.0	Same
Non-Hispanic, all races		2018	14.4	2019	14.2	-----	-----	=====			14.2	-4.1	Same
Non-Hispanic, Asian		2018	9.5	2019	7.8	-----	-----	=====			7.8	-47.3	Better
Non-Hispanic, Black		2018	14.3	2019	13.7	-----	-----	=====			13.7	-7.4	Same
Non-Hispanic, others		2018	17.1	2019	17.0	-----	-----	=====			17.0	14.9	Same
Income		400% of PG or more	2018	9.0	2019	9.1	-----	-----	=====	=====	=====	=====	=====
	Less than 100% of PG	2018	18.2	2019	19.9	-----	-----	=====	400% of PG or more	9.1	19.9	118.7	Worse
	100-199% of PG	2018	21.3	2019	19.3	-----	-----	=====			19.3	112.1	Worse
	200-399% of PG	2018	17.1	2019	16.8	-----	-----	=====			16.8	84.6	Worse
Health insurance	Any private	2018	12.0	2019	11.7	-----	-----	=====	=====	=====	=====	=====	=====
	Public only	2018	15.4	2019	15.5	-----	-----	=====	Any private	11.7	15.5	32.5	Worse
	Uninsured	2018	32.0	2019	32.6	-----	-----	=====			32.6	178.6	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2018	14.1	2019	13.9	-----	-----	=====	=====	=====	=====	=====	=====
	Metropolitan	2018	14.3	2019	14.1	-----	-----	=====	Large fringe metro	13.9	14.1	1.4	Same
	Large central metro	2018	14.2	2019	13.5	-----	-----	=====			13.5	-2.9	Same
	Medium metro	2018	13.8	2019	14.8	-----	-----	=====			14.8	6.5	Same
	Small metro	2018	15.9	2019	14.7	-----	-----	=====			14.7	5.8	Same
	Nonmetropolitan	2018	16.0	2019	16.2	-----	-----	=====			16.2	16.5	Worse
	Micropolitan	2018	15.1	2019	15.9	-----	-----	=====			15.9	14.4	Same
	Noncore	2018	17.6	2019	16.7	-----	-----	=====			16.7	20.1	Same
Age	18-44	2018	16.8	2019	16.1	-----	-----	=====	=====	=====	=====	=====	=====
	0-17	2018	4.4	2019	5.6	-----	-----	=====	18-44	16.1	5.6	-65.2	Better
	45-64	2018	19.5	2019	19.0	-----	-----	=====			19.0	18.0	Worse
	65 and over	2018	15.8	2019	15.5	-----	-----	=====			15.5	-3.7	Same
Disability status	Without disability	2018	15.8	2019	14.9	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2018	25.7	2019	26.4	-----	-----	=====	Without disability	14.9	26.4	77.2	Worse
Gender	Male	2018	13.1	2019	12.9	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2018	15.8	2019	15.7	-----	-----	=====	Male	12.9	15.7	21.7	Worse
Education	Some college	2018	15.8	2019	15.3	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2018	20.3	2019	20.2	-----	-----	=====	Some college	15.3	20.2	32.0	Worse
	High school graduate	2018	19.9	2019	19.0	-----	-----	=====			19.0	24.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 2.6. Measure: People unable to get or delayed in getting needed prescription medicines due to cost

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2018	4.1	2019	4.3	-----	-----	=====					
Race	White	2018	4.2	2019	4.3	-----	-----	=====					
	Asian	2018	1.5	2019	1.7	-----	-----	=====	White	4.3	1.7	-61.8	Better
	Black	2018	4.7	2019	4.5	-----	-----	=====			4.5	4.9	Same
	Multiple races	2018	5.1	2019	5.8	-----	-----	=====			5.8	33.3	Same
Ethnicity	Non-Hispanic, White	2018	4.2	2019	4.4	-----	-----	=====					
	Hispanic, all races	2018	3.9	2019	3.9	-----	-----	=====	Non-Hispanic, White	4.4	3.9	-11.8	Same
	Non-Hispanic, all races	2018	4.2	2019	4.3	-----	-----	=====			4.3	-2.0	Same
	Non-Hispanic, Asian	2018	1.5	2019	1.7	-----	-----	=====			1.7	-62.0	Better
	Non-Hispanic, Black	2018	4.8	2019	4.6	-----	-----	=====			4.6	4.5	Same
	Non-Hispanic, others	2018	5.6	2019	6.2	-----	-----	=====			6.2	40.0	Same
Income	400% of PG or more	2018	2.2	2019	2.3	-----	-----	=====					
	Less than 100% of PG	2018	7.2	2019	8.5	-----	-----	=====	400% of PG or more	2.3	8.5	274.3	Worse
	100-199% of PG	2018	6.4	2019	5.7	-----	-----	=====			5.7	150.4	Worse
	200-399% of PG	2018	4.3	2019	4.6	-----	-----	=====			4.6	103.1	Worse
Health insurance	Any private	2018	2.9	2019	3.1	-----	-----	=====					
	Public only	2018	5.6	2019	5.2	-----	-----	=====	Any private	3.1	5.2	68.5	Worse
	Uninsured	2018	8.7	2019	9.9	-----	-----	=====			9.9	222.1	Worse
Metropolitan status	Large fringe metro	2018	3.7	2019	3.7	-----	-----	=====					
	Metropolitan	2018	4.0	2019	4.1	-----	-----	=====	Large fringe metro	3.7	4.1	10.7	Same
	Large central metro	2018	3.8	2019	4.0	-----	-----	=====			4.0	5.9	Same
	Medium metro	2018	4.3	2019	4.4	-----	-----	=====			4.4	17.7	Same
	Small metro	2018	4.7	2019	5.3	-----	-----	=====			5.3	41.8	Worse
	Nonmetropolitan	2018	5.1	2019	5.0	-----	-----	=====			5.0	34.3	Worse
	Micropolitan	2018	3.9	2019	5.2	-----	-----	=====			5.2	40.5	Worse
	Noncore	2018	7.1	2019	4.7	-----	-----	=====			4.7	24.9	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2018	4.1	2019	4.3	-----	-----	=====					
	0-17	2018	0.9	2019	1.0	-----	-----	=====	18-44	4.3	1.0	-77.7	Better
	45-64	2018	6.6	2019	6.6	-----	-----	=====			6.6	54.7	Worse
	65 and over	2018	5.0	2019	5.2	-----	-----	=====			5.2	20.9	Worse
Disability status	Without disability	2018	3.7	2019	3.9	-----	-----	=====					
	With disability	2018	11.5	2019	11.6	-----	-----	=====	Without disability	3.9	11.6	197.7	Worse
Gender	Male	2018	3.5	2019	3.3	-----	-----	=====					
	Female	2018	4.8	2019	5.1	-----	-----	=====	Male	3.3	5.1	55.3	Worse
Education	Some college	2018	4.3	2019	4.4	-----	-----	=====					
	Less than high school graduate	2018	7.1	2019	7.2	-----	-----	=====	Some college	4.4	7.2	63.0	Worse
	High school graduate	2018	5.9	2019	6.0	-----	-----	=====			6.0	35.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 2.7. Measure: Adults age 18 and over who needed to see a doctor but could not because of cost in the past 12 months

Source: Behavioral Risk Factor Surveillance System

Benchmark was 7.7 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	15.9	2019	13.4	-2.5	Improving	No progress	=====	=====	=====	=====	=====
Race	White	2013	14.1	2019	12.1	-2.2	Improving	No progress	=====	=====	=====	=====	=====
	AI/AN	2013	24.2	2019	18.3	-2.0	No change	No progress	White	12.1	18.3	51.2	Worse
	Asian	2013	25.0	2019	10.6	-15.9	Improving	1 year			10.6	-12.4	Better
	NHPI	2013	12.1	2019	16.1	10.7	Worsening	No progress			16.1	33.1	Same
	Black	2013	21.6	2019	16.1	-4.3	Improving	10 years			16.1	33.1	Worse
	Multiple races	2013	20.2	2019	18.7	-1.8	Improving	No progress			18.7	54.5	Worse
Ethnicity	Non-Hispanic, White	2013	12.4	2019	10.9	0.0	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2013	26.5	2019	21.4	-3.6	Improving	16 years	Non-Hispanic, White	10.9	21.4	96.3	Worse
	Non-Hispanic, all races	2013	13.9	2019	11.8	-2.2	Improving	No progress			11.8	8.3	Same
	Non-Hispanic, Black	2013	20.8	2019	15.7	-5.6	No change	No progress			15.7	44.0	Worse
Income	400% of PG or more	2013	4.4	2019	5.8	4.9	Worsening	Reached, getting worse	=====	=====	=====	=====	=====
	Less than 100% of PG	2013	30.9	2019	18.1	-8.2	Improving	5 years	400% of PG or more	5.8	18.1	212.1	Worse
	100-199% of PG	2013	19.1	2019	12.0	-7.0	Improving	4 years			12.0	106.9	Worse
	200-399% of PG	2013	9.3	2019	7.2	-4.5	Improving	Reached			7.2	24.1	Worse
Health insurance	Insured	2013	11.1	2019	11.4	0.3	No change	No progress	=====	=====	=====	=====	=====
	Uninsured	2013	46.3	2019	39.2	-2.5	Improving	No progress	Insured	11.4	39.2	243.9	Worse
Metropolitan status	Metropolitan	2013	11.3	2019	7.4	-6.3	Improving	Reached	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	12.9	2019	9.5	-5.1	Improving	3 years	Metropolitan	7.4	9.5	28.4	Worse
Gender	Male	2013	14.1	2019	12.1	-2.0	No change	No progress	=====	=====	=====	=====	=====
	Female	2013	17.6	2019	14.6	-2.7	Improving	No progress	Male	12.1	14.6	20.7	Worse
Education	Some college	2013	16.7	2019	13.6	-2.5	Improving	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2013	28.9	2019	22.2	-4.3	Improving	13 years	Some college	13.6	22.2	63.2	Worse
	High school graduate	2013	18.3	2019	14.0	-3.1	Improving	12 years			14.0	2.9	Same
	College graduate or more	2013	8.0	2019	7.9	0.5	No change	No progress			7.9	-41.9	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Effectiveness of Care

As better understanding of health has led to superior ways of preventing, diagnosing, and treating diseases, the health of most Americans has improved dramatically. Still, more than half of all Americans are managing one chronic disease and do not receive the full benefits of high-quality care.^{1,2}

Importance

Effective treatment interventions have been shown to reduce mortality and morbidity among people with chronic diseases. The following are some of the leading causes of death in the United States, number of deaths from those causes in 2020, and estimated healthcare costs for the conditions. Condition-specific costs were obtained from separate sources and methodologies may differ³:

- Heart disease: 696,962 deaths in 2020 and \$219 billion annual average for 2014-2015.⁴
- Cancer: 602,350 deaths in 2020 and \$183 billion in 2015.⁵
- COVID-19: 350,831 deaths in 2020.⁶
- Accidents (unintentional injuries): 200,955 deaths in 2020 and \$327 billion in 2019.⁷
- Stroke (cerebrovascular diseases): 160,264 deaths and \$45.5 billion annual average for 2014-2015.⁴
- Chronic lower respiratory diseases: 152,657 deaths in 2020 and \$49 billion for COPD in 2020⁸ and \$50 billion for asthma in 2013.⁹

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- Alzheimer’s disease: 121,499 deaths in 2019 and \$321 billion estimated in 2022.¹⁰
- Diabetes: 102,188 deaths and \$237 billion in 2017.¹¹
- Influenza and pneumonia: 53,544 deaths in 2020 and \$3 billion in 2015 for influenza¹² and \$13 billion on average 2013-2014 for pneumonia.¹³
- Nephritis, nephrotic syndrome, and nephrosis: 52,547 deaths in 2020 and \$82 billion in Medicare for chronic kidney disease without end-stage kidney disease and \$49.2 billion in Medicare for end stage kidney disease in 2018.¹⁴

Key Findings

Effective care measures that improved overall include:

- Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined.
- Deaths per 1,000 hospital admissions with pneumonia, age 18 and over.
- HIV infection deaths per 100,000 population.
- Deaths per 1,000 hospital admissions with heart failure, age 18 and over.
- Patients with tuberculosis who completed a curative course of treatment within 1 year of initiation of treatment.

Effective care measures that worsened overall include:

- Hospital inpatient stays involving opioid-related diagnoses per 100,000 population.
- Emergency department visits involving opioid-related diagnoses per 100,000 population.
- Hospital admissions for heart failure per 100,000 population, age 18 and over.
- Suicide deaths among people age 12 and over per 100,000 population.
- Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year.

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Effective care measures that showed large disparities include:

- HIV infection deaths per 100,000 population.
- New HIV cases per 100,000 population age 13 and over.
- Adjusted incident rates of end stage renal disease due to diabetes per million population.

Effective care measures that showed worsening disparities include:

- Hospital admissions for heart failure per 100,000 population, age 18 and over.
- Emergency department visits involving opioid-related diagnoses per 100,000 population.
- Hospital inpatient stays involving opioid-related diagnoses per 100,000 population.

*Chapter: Effectiveness of Care
Section: Cancer*

Appendix Table 3.1. Measure: Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy at the time of breast cancer surgery (lumpectomy or mastectomy)

Source: National Cancer Data Base

Benchmark was 86.8 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2005	82.0	2018	82.2	0.7	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2005	81.9	2018	82.6	0.4	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2005	83.8	2018	82.4	1.6	Worsening	No progress	Non-Hispanic, White	82.6	82.4	1.1	Same
	Non-Hispanic, AI/AN	2005	86.8	2018	86.0	1.6	No change	No progress			86.0	-19.5	Same
	Non-Hispanic, Asian	2005	82.0	2018	79.8	1.8	Worsening	No progress			79.8	16.1	Worse
	Non-Hispanic, NHPI	2005	75.4	2018	84.8	-0.8	No change	No progress			84.8	-12.6	Same
	Non-Hispanic, Black	2005	82.6	2018	80.7	1.5	Worsening	No progress			80.7	10.9	Worse
	Non-Hispanic, other	2005	78.9	2018	80.9	0.8	No change	No progress			80.9	9.8	Same
	Income	400% of PG or more	2005	78.8	2018	80.1	-0.1	No change	No progress	=====	=====	=====	=====
Less than 100% of PG		2005	83.4	2018	84.1	1.4	Worsening	No progress	400% of PG or more	80.1	84.1	-20.1	Better
100-199% of PG		2005	82.7	2018	82.9	0.7	No change	No progress			82.9	-14.1	Better
200-399% of PG		2005	80.7	2018	80.7	0.6	No change	No progress			80.7	-3.0	Same
Health insurance	Any private	2005	83.2	2018	84.2	0.3	No change	No progress	=====	=====	=====	=====	=====
	Public only	2005	85.7	2018	85.1	1.3	Worsening	No progress	Any private	84.2	85.1	-5.7	Same
	Uninsured	2005	83.6	2018	85.4	0.7	No change	No progress			85.4	-7.6	Same
Metropolitan status	Large metropolitan	2005	81.2	2018	81.3	0.8	No change	No progress	=====	=====	=====	=====	=====
	Metropolitan	2005	81.7	2018	81.8	0.7	No change	No progress	Large metropolitan	81.3	81.8	-2.7	Same
	Small metro	2005	82.6	2018	82.7	0.7	No change	No progress			82.7	-7.5	Same
	Micropolitan	2005	83.6	2018	84.5	0.1	No change	No progress			84.5	-17.1	Better
	Noncore	2005	85.4	2018	85.3	0.8	No change	No progress			85.3	-21.4	Better
	Noncore, adjacent	2005	85.3	2018	85.3	0.7	No change	No progress			85.3	-21.4	Better
	Noncore, rural	2005	85.8	2018	85.0	1.4	Worsening	No progress			85.0	-19.8	Better

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	40-49	2005	82.5	2018	84.6	0.1	No change	No progress	=====	=====	=====	=====	=====
	Under 40	2005	90.2	2018	91.7	-1.0	No change	Reached	40-49	84.6	91.7	-46.1	Better
	50-59	2005	82.8	2018	83.3	0.6	No change	No progress			83.3	8.4	Same
	60-69	2005	84.1	2018	83.4	1.2	Worsening	No progress			83.4	7.8	Same
	70-79	2005	81.8	2018	79.6	1.5	Worsening	No progress			79.6	32.5	Worse
	80 and over	2005	68.6	2018	66.2	1.2	Worsening	No progress			66.2	119.5	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.2. Measure: Women under age 70 treated for breast cancer with breast-conserving surgery who received radiation therapy to the breast within 1 year of diagnosis

Source: National Cancer Data Base

Benchmark was 95.5 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2005	84.1	2018	90.9	-3.7	Improving	11 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2005	85.6	2018	91.8	-3.7	Improving	9 years	=====	=====	=====	=====	=====
	Hispanic, all races	2005	72.6	2018	87.9	-5.2	Improving	8 years	Non-Hispanic, White	91.8	87.9	47.6	Worse
	Non-Hispanic, AI/AN	2005	81.6	2018	89.2	-2.6	No change	No progress			89.2	31.7	Same
	Non-Hispanic, Asian	2005	85.1	2018	91.7	-5.3	Improving	6 years			91.7	1.2	Same
	Non-Hispanic, NHPI	2005	84.8	2018	83.9	-1.8	No change	No progress			83.9	96.3	Worse
	Non-Hispanic, Black	2005	78.0	2018	88.7	-4.2	Improving	10 years			88.7	37.8	Worse
	Non-Hispanic, other	2005	79.1	2018	88.6	-4.0	Improving	11 years			88.6	39.0	Same
Income	400% of PG or more	2005	86.0	2018	94.1	-6.1	Improving	2 years	=====	=====	=====	=====	=====
	Less than 100% of PG	2005	75.8	2018	84.8	-3.8	Improving	16 years	400% of PG or more	94.1	84.8	157.6	Worse
	100-199% of PG	2005	84.1	2018	90.5	-3.1	Improving	13 years			90.5	61.0	Worse
	200-399% of PG	2005	85.0	2018	91.9	-4.8	Improving	7 years			91.9	37.3	Worse
Health insurance	Any private	2005	85.0	2018	93.4	-5.6	Improving	4 years	=====	=====	=====	=====	=====
	Public only	2005	79.9	2018	87.0	-2.6	Improving	More than 20 years	Any private	93.4	87.0	97.0	Worse
	Uninsured	2005	84.1	2018	89.8	-2.7	Improving	17 years			89.8	54.5	Worse
Metropolitan status	Large metropolitan	2005	82.3	2018	90.7	-4.7	Improving	8 years	=====	=====	=====	=====	=====
	Metropolitan	2005	84.1	2018	90.9	-3.9	Improving	10 years	Large metropolitan	90.7	90.9	-2.2	Same
	Small metro	2005	87.5	2018	91.2	-2.0	No change	No progress			91.2	-5.4	Same
	Micropolitan	2005	86.1	2018	92.2	-2.9	Improving	11 years			92.2	-16.1	Better
	Noncore	2005	86.7	2018	91.8	-1.7	Improving	No progress			91.8	-11.8	Same
	Noncore, adjacent	2005	86.6	2018	91.5	-1.5	Improving	No progress			91.5	-8.6	Same
	Noncore, rural	2005	87.1	2018	92.9	-2.5	No change	No progress			92.9	-23.7	Same
Age	40-49	2005	83.2	2018	92.3	-5.0	Improving	5 years	=====	=====	=====	=====	=====
	Under 40	2005	80.7	2018	88.4	-3.6	Improving	13 years	40-49	92.3	88.4	50.6	Worse
	50-59	2005	85.1	2018	92.2	-4.3	Improving	7 years			92.2	1.3	Same
	60-69	2005	84.5	2018	89.7	-2.5	Improving	19 years			89.7	33.8	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.3. Measure: Breast cancer deaths per 100,000 female population per year
 Source: National Vital Statistics System - Mortality
 Benchmark was 17.8 in 2015.
 Disparity Year: 2020
 Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	26.8	2020	19.1	-1.7	Improving	4 years	=====	=====	=====	=====	=====
Race	White	2018	19.3	2020	18.8	-----	-----	-----	=====	=====	=====	=====	=====
	AI/AN	2018	10.7	2020	10.3	-----	-----	-----	White	18.8	10.3	-45.2	Better
	Asian	2018	11.7	2020	10.9	-----	-----	-----			10.9	-42.0	Better
	NHPI	2018	23.6	2020	19.6	-----	-----	-----			19.6	4.3	Same
	Black	2018	27.2	2020	25.9	-----	-----	-----			25.9	37.8	Worse
Ethnicity	Non-Hispanic, White	2018	19.9	2020	19.4	-----	-----	-----	=====	=====	=====	=====	=====
	Hispanic, all races	2018	13.4	2020	13.1	-----	-----	-----	Non-Hispanic, White	19.4	13.1	-32.5	Better
	Non-Hispanic, all races	2018	20.5	2020	19.8	-----	-----	-----			19.8	2.1	Same
	Non-Hispanic, Black	2018	28.0	2020	26.7	-----	-----	-----			26.7	37.6	Worse
Metropolitan status	Large fringe metro	2013	20.8	2020	18.9	-1.3	Improving	4 years	=====	=====	=====	=====	=====
	Metropolitan	2013	20.8	2020	19.0	-1.2	Improving	5 years	Large fringe metro	18.9	19.0	0.5	Same
	Large central metro	2013	21.5	2020	18.7	-1.7	Improving	3 years			18.7	-1.1	Same
	Medium metro	2013	20.0	2020	19.2	-0.7	No change	11 years			19.2	1.6	Same
	Small metro	2013	20.2	2020	19.4	-0.6	No change	13 years			19.4	2.6	Same
	Micropolitan	2013	21.1	2020	19.7	-0.9	No change	10 years			19.7	4.2	Same
	Noncore	2013	21.3	2020	20.3	-0.9	No change	13 years			20.3	7.4	Same
Age	18-44	2000	5.9	2020	3.7	-3.3	Improving	Reached	=====	=====	=====	=====	=====
	45-64	2000	43.5	2020	30.9	-1.7	Improving	More than 20 years	18-44	3.7	30.9	735.1	Worse
	65 and over	2000	120.2	2020	87.7	-1.6	Improving	More than 20 years			87.7	2270.3	Worse

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.4. Measure: Radiation therapy recommended or administered following any mastectomy within 1 year of diagnosis of breast cancer for women with 4 or more positive regional lymph nodes

Source: National Cancer Data Base

Benchmark was 95.9 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2005	67.3	2018	84.8	-6.7	Improving	7 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2005	68.5	2018	86.5	-7.4	Improving	6 years	=====	=====	=====	=====	=====
	Hispanic, all races	2005	57.2	2018	76.5	-5.9	Improving	10 years	Non-Hispanic, White	86.5	76.5	74.1	Worse
	Non-Hispanic, AI/AN	2012	82.4	2016	74.3	-----	-----	No Benchmark			-----	-----	-----
	Non-Hispanic, Asian	2005	76.5	2018	86.0	-5.1	Improving	9 years			86.0	3.7	Same
	Non-Hispanic, NHPI	2017	73.3	2017	73.3	-----	-----	No Benchmark			-----	-----	-----
	Non-Hispanic, Black	2005	61.7	2018	82.7	-6.6	Improving	7 years			82.7	28.1	Worse
	Non-Hispanic, other	2006	61.2	2018	82.4	-5.3	Improving	9 years			82.4	30.4	Same
Income	400% of PG or more	2005	71.3	2018	89.5	-9.5	Improving	4 years	=====	=====	=====	=====	=====
	Less than 100% of PG	2005	60.4	2018	72.3	-5.0	Improving	16 years	400% of PG or more	89.5	72.3	163.8	Worse
	100-199% of PG	2005	67.0	2018	84.3	-6.5	Improving	8 years			84.3	49.5	Same
	200-399% of PG	2005	68.9	2018	87.1	-7.4	Improving	6 years			87.1	22.9	Same
Health insurance	Any private	2005	71.9	2018	87.2	-6.7	Improving	7 years	=====	=====	=====	=====	=====
	Public only	2005	65.7	2018	80.7	-5.1	Improving	11 years	Any private	87.2	80.7	50.8	Worse
	Uninsured	2005	69.8	2018	83.1	-4.6	Improving	11 years			83.1	32.0	Same
Metropolitan status	Large metropolitan	2005	65.1	2018	83.6	-6.8	Improving	7 years	=====	=====	=====	=====	=====
	Metropolitan	2005	67.2	2018	84.6	-6.7	Improving	7 years	Large metropolitan	83.6	84.6	-6.1	Same
	Small metro	2005	70.9	2018	86.6	-6.8	Improving	7 years			86.6	-18.3	Better
	Micropolitan	2005	71.9	2018	87.8	-6.8	Improving	6 years			87.8	-25.6	Better
	Noncore	2005	66.2	2018	87.3	-7.5	Improving	5 years			87.3	-22.6	Same
	Noncore, adjacent	2005	66.4	2018	88.4	-7.3	Improving	5 years			88.4	-29.3	Same
	Noncore, rural	2005	65.3	2018	82.9	-8.5	Improving	8 years			82.9	4.3	Same
Age	40-49	2005	71.2	2018	86.7	-6.0	Improving	7 years	=====	=====	=====	=====	=====
	Under 40	2005	69.5	2018	86.4	-6.3	Improving	7 years	40-49	86.7	86.4	2.3	Same
	50-59	2005	70.1	2018	85.0	-6.1	Improving	8 years			85.0	12.8	Same
	60-69	2005	67.3	2018	83.5	-6.2	Improving	8 years			83.5	24.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.5. Measure: Tamoxifen or third generation aromatase inhibitor recommended or administered within 1 year of diagnosis for women with AJCC T1cN0M0 or stage IB to stage III hormone receptor-positive breast cancer

Source: National Cancer Data Base

Benchmark was 92.8 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening Disparities: ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2005	68.1	2018	84.4	-6.3	Improving	6 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2005	70.5	2018	85.6	-6.4	Improving	6 years	=====	=====	=====	=====	=====
	Hispanic, all races	2005	53.6	2018	79.9	-7.1	Improving	6 years	Non-Hispanic, White	85.6	79.9	39.6	Worse
	Non-Hispanic, AI/AN	2005	62.1	2018	83.3	-6.9	Improving	6 years			83.3	16.0	Same
	Non-Hispanic, Asian	2005	65.3	2018	84.7	-7.6	Improving	5 years			84.7	6.3	Same
	Non-Hispanic, NHPI	2005	65.9	2018	77.8	-5.0	Improving	13 years			77.8	54.2	Same
	Non-Hispanic, Black	2005	59.7	2018	80.0	-6.1	Improving	8 years			80.0	38.9	Worse
	Non-Hispanic, other	2005	62.0	2018	83.2	-7.1	Improving	5 years			83.2	16.7	Same
	Income	400% of PG or more	2005	65.7	2018	88.6	-9.9	Improving	2 years	=====	=====	=====	=====
Less than 100% of PG		2005	61.4	2018	80.3	-6.2	Improving	8 years	400% of PG or more	88.6	80.3	72.8	Worse
100-199% of PG		2005	68.9	2018	83.9	-5.8	Improving	7 years			83.9	41.2	Worse
200-399% of PG		2005	67.5	2018	85.5	-7.2	Improving	5 years			85.5	27.2	Worse
Health insurance	Any private	2005	69.1	2018	86.1	-7.3	Improving	5 years	=====	=====	=====	=====	=====
	Public only	2005	63.5	2018	78.8	-4.6	Improving	12 years	Any private	86.1	78.8	52.5	Worse
	Uninsured	2005	68.6	2018	83.2	-5.1	Improving	9 years			83.2	20.9	Worse
Metropolitan status	Large metropolitan	2005	64.5	2018	83.7	-6.9	Improving	6 years	=====	=====	=====	=====	=====
	Metropolitan	2005	67.4	2018	84.3	-6.4	Improving	6 years	Large metropolitan	83.7	84.3	-3.7	Same
	Small metro	2005	72.4	2018	85.4	-5.5	Improving	7 years			85.4	-10.4	Better
	Micropolitan	2005	74.9	2018	85.5	-5.1	Improving	8 years			85.5	-11.0	Better
	Noncore	2005	73.5	2018	85.4	-5.6	Improving	8 years			85.4	-10.4	Better
	Noncore, adjacent	2005	73.3	2018	85.3	-5.4	Improving	8 years			85.3	-9.8	Same
	Noncore, rural	2005	74.1	2018	85.6	-6.4	Improving	7 years			85.6	-11.7	Same
Age	40-49	2005	66.4	2018	83.9	-6.3	Improving	7 years	=====	=====	=====	=====	=====
	Under 40	2005	63.3	2018	79.8	-5.2	Improving	10 years	40-49	83.9	79.8	25.5	Worse
	50-59	2005	69.3	2018	84.8	-6.4	Improving	6 years			84.8	-5.6	Same
	60-69	2005	71.4	2018	86.4	-6.8	Improving	5 years			86.4	-15.5	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.6. Measure: Combination chemotherapy recommended or administered within 4 months of diagnosis for women under age 70 with AJCC T1cN0MO or Stage IB-III hormone receptor negative breast cancer

Source: National Cancer Data Base

Benchmark was 99.3 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2005	76.2	2018	89.3	-7.4	Improving	9 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2005	78.5	2018	90.9	-8.0	Improving	8 years	=====	=====	=====	=====	=====
	Hispanic, all races	2005	62.1	2018	84.5	-7.3	Improving	8 years	Non-Hispanic, White	90.9	84.5	70.3	Worse
	Non-Hispanic, AI/AN	2005	85.7	2018	79.4	-4.2	No change	No progress			79.4	126.4	Same
	Non-Hispanic, Asian	2005	67.3	2018	88.2	-9.2	Improving	6 years			88.2	29.7	Same
	Non-Hispanic, Black	2005	73.2	2018	87.7	-7.1	Improving	9 years			87.7	35.2	Worse
	Non-Hispanic, other	2005	80.8	2018	86.4	-6.7	Improving	10 years			86.4	49.5	Same
	Income	400% of PG or more	2005	69.7	2018	88.1	-7.8	Improving	8 years	=====	=====	=====	=====
Less than 100% of PG		2005	72.5	2018	87.0	-7.5	Improving	9 years	400% of PG or more	88.1	87.0	9.2	Same
100-199% of PG		2005	76.8	2018	88.9	-6.9	Improving	10 years			88.9	-6.7	Same
200-399% of PG		2005	76.2	2018	90.8	-8.8	Improving	7 years			90.8	-22.7	Same
Health insurance	Any private	2005	76.9	2018	91.2	-8.7	Improving	7 years	=====	=====	=====	=====	=====
	Public only	2005	74.3	2018	85.0	-5.8	Improving	13 years	Any private	91.2	85.0	70.5	Worse
	Uninsured	2005	77.6	2018	89.1	-6.4	Improving	10 years			89.1	23.9	Same
Metropolitan status	Large metropolitan	2005	73.0	2018	88.5	-7.8	Improving	8 years	=====	=====	=====	=====	=====
	Metropolitan	2005	75.4	2018	89.2	-7.5	Improving	8 years	Large metropolitan	88.5	89.2	-6.1	Same
	Small metro	2005	79.6	2018	90.4	-7.0	Improving	9 years			90.4	-16.5	Better
	Micropolitan	2005	82.2	2018	90.0	-5.9	Improving	13 years			90.0	-13.0	Same
	Noncore	2005	82.2	2018	91.8	-7.1	Improving	9 years			91.8	-28.7	Better
	Noncore, adjacent	2005	81.4	2018	91.0	-6.9	Improving	10 years			91.0	-21.7	Same
	Noncore, rural	2005	84.7	2018	95.7	-9.0	Improving	4 years			95.7	-62.6	Better
Age	40-49	2005	77.6	2018	90.4	-7.9	Improving	8 years	=====	=====	=====	=====	=====
	Under 40	2005	79.3	2018	92.7	-8.8	Improving	6 years	40-49	90.4	92.7	-24.0	Better
	50-59	2005	76.3	2018	89.2	-7.2	Improving	9 years			89.2	12.5	Same
	60-69	2005	72.5	2018	87.1	-7.2	Improving	10 years			87.1	34.4	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.7. Measure: Radiation therapy completed within 60 days of initiation of radiation among women diagnosed with any stage of cervical cancer

Source: National Cancer Data Base

Benchmark was 90.3 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2005	74.9	2018	79.9	-2.3	Improving	More than 20 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2005	76.3	2018	81.2	-2.2	Improving	19 years	=====	=====	=====	=====	=====
	Hispanic, all races	2005	71.6	2018	78.1	-2.7	Improving	19 years	Non-Hispanic, White	81.2	78.1	16.5	Same
	Non-Hispanic, Asian	2005	78.9	2018	84.0	-3.0	Improving	11 years			84.0	-14.9	Same
	Non-Hispanic, Black	2005	71.3	2018	74.4	-1.5	Improving	More than 20 years			74.4	36.2	Worse
	Non-Hispanic, other	2017	84.2	2017	84.2	-----	-----	No Benchmark			-----	-----	-----
Income	400% of PG or more	2005	83.7	2017	97.3	-7.6	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2005	78.5	2018	78.8	-0.7	No change	No progress	400% of PG or more	-----	-----	-----	-----
	100-199% of PG	2005	74.5	2018	79.1	-2.1	Improving	More than 20 years			-----	-----	-----
	200-399% of PG	2005	73.8	2018	83.3	-3.2	Improving	11 years			-----	-----	-----
Health insurance	Any private	2005	76.5	2018	85.4	-3.5	Improving	7 years	=====	=====	=====	=====	=====
	Public only	2005	71.5	2018	76.2	-2.0	Improving	More than 20 years	Any private	85.4	76.2	63.0	Worse
	Uninsured	2005	77.1	2018	76.3	-1.1	No change	No progress			76.3	62.3	Worse
Metropolitan status	Large metropolitan	2005	73.0	2018	78.7	-2.7	Improving	19 years	=====	=====	=====	=====	=====
	Metropolitan	2005	74.3	2018	79.1	-2.4	Improving	More than 20 years	Large metropolitan	78.7	79.1	-1.9	Same
	Small metro	2005	76.8	2018	79.9	-1.7	Improving	More than 20 years			79.9	-5.6	Same
	Micropolitan	2005	75.7	2018	82.7	-1.8	No change	No progress			82.7	-18.8	Same
	Noncore	2005	78.0	2018	84.6	-1.9	Improving	No progress			84.6	-27.7	Same
	Noncore, adjacent	2005	79.6	2018	83.3	-1.0	No change	No progress			83.3	-21.6	Same
	Noncore, rural	2006	66.0	2018	87.9	-4.8	No change	No progress			87.9	-43.2	Same
Age	40-49	2005	76.1	2018	80.1	-2.2	Improving	More than 20 years	=====	=====	=====	=====	=====
	Under 40	2005	76.1	2018	85.1	-2.8	Improving	9 years	40-49	80.1	85.1	-25.1	Same
	50-59	2005	73.4	2018	77.4	-2.0	Improving	More than 20 years			77.4	13.6	Same
	60-69	2005	71.7	2018	77.3	-2.8	Improving	More than 20 years			77.3	14.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.8. Measure: Use of brachytherapy in patients treated with primary radiation with curative intent in any stage of cervical cancer

Source: National Cancer Data Base

Benchmark was 81.7 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2005	57.4	2018	51.0	-1.6	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2005	61.4	2018	51.9	-1.0	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2005	49.9	2018	50.2	-3.3	Improving	More than 20 years	Non-Hispanic, White	51.9	50.2	3.5	Same
	Non-Hispanic, Asian	2005	60.0	2018	47.9	-1.3	No change	No progress			47.9	8.3	Same
	Non-Hispanic, Black	2005	54.9	2018	48.4	-1.9	No change	No progress			48.4	7.3	Same
	Non-Hispanic, other	2017	62.9	2017	62.9	-----	-----	No Benchmark			-----	-----	-----
Income	400% of PG or more	2006	56.7	2017	80.6	-7.4	Improving	0 years	=====	=====	=====	=====	=====
	Less than 100% of PG	2005	69.8	2018	36.1	-0.6	No change	No progress	400% of PG or more	-----	-----	-----	-----
	100-199% of PG	2005	56.0	2018	51.7	-1.7	No change	No progress			-----	-----	-----
	200-399% of PG	2005	63.5	2018	47.8	-0.7	No change	No progress			-----	-----	-----
Health insurance	Any private	2005	66.8	2018	57.7	-1.3	No change	No progress	=====	=====	=====	=====	=====
	Public only	2005	56.3	2018	46.8	-1.4	No change	No progress	Any private	57.7	46.8	25.8	Worse
	Uninsured	2005	55.3	2018	55.5	-2.6	Improving	More than 20 years			55.5	5.2	Same
Metropolitan status	Large metropolitan	2005	56.0	2018	51.8	-2.0	Improving	No progress	=====	=====	=====	=====	=====
	Metropolitan	2005	56.3	2018	50.9	-1.7	No change	No progress	Large metropolitan	51.8	50.9	1.9	Same
	Small metro	2005	56.7	2018	49.3	-1.3	No change	No progress			49.3	5.2	Same
	Micropolitan	2005	57.4	2018	55.2	-1.6	No change	No progress			55.2	-7.1	Same
	Noncore	2005	62.3	2018	42.6	-0.4	No change	No progress			42.6	19.1	Same
	Noncore, adjacent	2005	59.2	2018	43.0	-0.8	No change	No progress			43.0	18.3	Same
	Noncore, rural	2005	76.3	2017	63.2	-0.3	No change	No progress			-----	-----	-----
Age	40-49	2005	61.1	2018	57.0	-2.0	No change	No progress	=====	=====	=====	=====	=====
	Under 40	2005	58.1	2018	51.2	-2.2	No change	No progress	40-49	57.0	51.2	13.5	Same
	50-59	2005	57.4	2018	49.5	-1.7	No change	No progress			49.5	17.4	Worse
	60-69	2005	61.7	2018	49.5	-0.5	No change	No progress			49.5	17.4	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.9. Measure: Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined

Source: National Cancer Data Base

Benchmark was 95.5 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2004	55.2	2018	93.4	-12.9	Improving	1 year	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2004	55.0	2018	93.4	-13.1	Improving	1 year	=====	=====	=====	=====	=====
	Hispanic, all races	2004	57.2	2018	93.9	-12.5	Improving	1 year	Non-Hispanic, White	93.4	93.9	-7.6	Same
	Non-Hispanic, AI/AN	2004	41.3	2018	91.5	-12.3	Improving	1 year			91.5	28.8	Same
	Non-Hispanic, Asian	2004	59.2	2018	93.8	-13.8	Improving	1 year			93.8	-6.1	Same
	Non-Hispanic, NHPI	2004	82.1	2018	91.1	-7.7	Improving	4 years			91.1	34.8	Same
	Non-Hispanic, Black	2004	54.7	2018	92.7	-12.2	Improving	1 year			92.7	10.6	Same
	Non-Hispanic, other	2004	71.3	2018	93.8	-12.8	Improving	1 year			93.8	-6.1	Same
	Income	400% of PG or more	2004	62.3	2018	95.2	-13.7	Improving	0 years	=====	=====	=====	=====
Less than 100% of PG		2004	54.4	2018	90.6	-11.8	Improving	2 years	400% of PG or more	95.2	90.6	95.8	Worse
100-199% of PG		2004	54.0	2018	92.9	-12.7	Improving	1 year			92.9	47.9	Worse
200-399% of PG		2004	58.6	2018	94.9	-13.8	Improving	0 years			94.9	6.3	Same
Health insurance	Any private	2004	60.8	2018	94.8	-13.3	Improving	0 years	=====	=====	=====	=====	=====
	Public only	2004	57.7	2018	92.5	-12.3	Improving	1 year	Any private	94.8	92.5	44.2	Worse
	Uninsured	2004	60.0	2018	93.2	-12.1	Improving	1 year			93.2	30.8	Same
Metropolitan status	Large metropolitan	2004	57.1	2018	94.1	-13.5	Improving	1 year	=====	=====	=====	=====	=====
	Metropolitan	2004	56.0	2018	93.7	-13.0	Improving	1 year	Large metropolitan	94.1	93.7	6.8	Same
	Small metro	2004	54.3	2018	93.2	-12.3	Improving	1 year			93.2	15.3	Worse
	Micropolitan	2004	47.3	2018	91.6	-12.7	Improving	1 year			91.6	42.4	Worse
	Noncore	2004	53.5	2018	91.4	-12.1	Improving	2 years			91.4	45.8	Worse
	Noncore, adjacent	2004	53.3	2018	91.9	-12.1	Improving	1 year			91.9	37.3	Worse
	Noncore, rural	2004	54.2	2018	89.9	-12.0	Improving	2 years			89.9	71.2	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	40-49	2004	67.0	2018	96.1	-14.0	Improving	Reached	=====	=====	=====	=====	=====
	Under 40	2004	73.9	2018	97.7	-15.0	Improving	Reached	40-49	96.1	97.7	-41.0	Same
	50-59	2004	57.7	2018	93.2	-12.3	Improving	1 year			93.2	74.4	Worse
	60-69	2004	55.2	2018	93.3	-12.8	Improving	1 year			93.3	71.8	Worse
	70-79	2004	53.8	2018	93.1	-12.9	Improving	1 year			93.1	76.9	Worse
	80 and over	2004	52.0	2018	92.8	-12.9	Improving	1 year			92.8	84.6	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.10. Measure: Colorectal cancer deaths per 100,000 population per year
 Source: National Vital Statistics System - Mortality
 Benchmark was 11.5 in 2015.
 Disparity Year: 2020
 Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	20.8	2020	13.0	-2.3	Improving	4 years	=====	=====	=====	=====	=====
Race	White	2018	13.3	2020	12.9	-----	-----	-----	=====	=====	=====	=====	=====
	AI/AN	2018	10.4	2020	9.9	-----	-----	-----	White	12.9	9.9	-23.3	Better
	Asian	2018	8.8	2020	8.8	-----	-----	-----			8.8	-31.8	Better
	NHPI	2018	8.7	2020	9.5	-----	-----	-----			9.5	-26.4	Better
	Black	2018	17.4	2020	16.8	-----	-----	-----			16.8	30.2	Worse
Ethnicity	Non-Hispanic, White	2018	13.5	2020	13.1	-----	-----	-----	=====	=====	=====	=====	=====
	Hispanic, all races	2018	10.9	2020	10.6	-----	-----	-----	Non-Hispanic, White	13.1	10.6	-19.1	Better
	Non-Hispanic, all races	2018	13.7	2020	13.3	-----	-----	-----			13.3	1.5	Same
	Non-Hispanic, Black	2018	17.8	2020	17.3	-----	-----	-----			17.3	32.1	Worse
Metropolitan status	Large fringe metro	2013	13.7	2020	12.2	-1.7	Improving	3 years	=====	=====	=====	=====	=====
	Metropolitan	2013	14.3	2020	12.5	-1.9	Improving	4 years	Large fringe metro	12.2	12.5	2.5	Same
	Large central metro	2013	14.6	2020	12.4	-2.3	Improving	3 years			12.4	1.6	Same
	Medium metro	2013	14.4	2020	12.8	-1.6	Improving	6 years			12.8	4.9	Same
	Small metro	2013	15.0	2020	13.2	-1.7	Improving	7 years			13.2	8.2	Same
	Micropolitan	2013	16.6	2020	14.9	-1.2	Improving	17 years			14.9	22.1	Worse
	Noncore	2013	16.9	2020	16.1	-0.8	No change	More than 20 years			16.1	32.0	Worse
Age	18-44	2000	1.5	2020	1.7	0.3	No change	Reached, getting worse	=====	=====	=====	=====	=====
	45-64	2000	19.5	2020	18.6	-0.1	No change	No progress	18-44	1.7	18.6	994.1	Worse
	65 and over	2000	124.9	2020	64.6	-3.3	Improving	17 years			64.6	3700.0	Worse
Gender	Male	2000	25.1	2020	15.5	-2.4	Improving	8 years	=====	=====	=====	=====	=====
	Female	2000	17.7	2020	10.9	-2.4	Improving	Reached	Male	15.5	10.9	-29.7	Better

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.
 ===== : Not applicable.
 More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.11. Measure: Adjuvant chemotherapy recommended or administered within 4 months of diagnosis for patients under age 80 with AJCC Stage III lymph node positive colon cancer

Source: National Cancer Data Base

Benchmark was 97.3 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2005	84.8	2018	89.0	-4.0	Improving	18 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2005	85.9	2018	90.1	-4.5	Improving	15 years	=====	=====	=====	=====	=====
	Hispanic, all races	2005	77.7	2018	86.1	-4.1	Improving	16 years	Non-Hispanic, White	90.1	86.1	40.4	Worse
	Non-Hispanic, AI/AN	2008	83.8	2017	91.7	-7.3	Improving	6 years			-----	-----	-----
	Non-Hispanic, Asian	2005	82.0	2018	88.7	-3.9	Improving	17 years			88.7	14.1	Same
	Non-Hispanic, Black	2005	81.3	2018	85.7	-3.5	Improving	More than 20 years			85.7	44.4	Worse
	Non-Hispanic, other	2005	80.6	2018	86.1	-3.8	No change	No progress			86.1	40.4	Same
Income	400% of PG or more	2005	87.1	2018	96.0	-7.1	Improving	2 years	=====	=====	=====	=====	=====
	Less than 100% of PG	2005	75.3	2018	78.3	-3.5	Improving	More than 20 years	400% of PG or more	96.0	78.3	442.5	Worse
	100-199% of PG	2005	84.5	2018	88.9	-3.8	Improving	18 years			88.9	177.5	Worse
	200-399% of PG	2005	86.8	2018	89.3	-4.1	Improving	20 years			89.3	167.5	Worse
Health insurance	Any private	2005	88.9	2018	93.8	-4.9	Improving	9 years	=====	=====	=====	=====	=====
	Public only	2005	80.9	2018	84.4	-2.8	Improving	More than 20 years	Any private	93.8	84.4	151.6	Worse
	Uninsured	2005	87.2	2018	88.8	-2.4	Improving	More than 20 years			88.8	80.6	Worse
Metropolitan status	Large metropolitan	2005	83.3	2018	87.8	-3.9	Improving	19 years	=====	=====	=====	=====	=====
	Metropolitan	2005	84.5	2018	88.8	-3.9	Improving	18 years	Large metropolitan	87.8	88.8	-8.2	Same
	Small metro	2005	86.5	2018	90.7	-4.1	Improving	15 years			90.7	-23.8	Better
	Micropolitan	2005	88.3	2018	90.5	-3.5	Improving	19 years			90.5	-22.1	Same
	Noncore	2005	86.7	2018	89.4	-3.9	Improving	19 years			89.4	-13.1	Same
	Noncore, adjacent	2005	86.0	2018	88.7	-3.7	Improving	More than 20 years			88.7	-7.4	Same
	Noncore, rural	2005	89.5	2018	92.3	-5.7	Improving	12 years			92.3	-36.9	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	40-49	2005	88.0	2018	93.6	-5.9	Improving	7 years	=====	=====	=====	=====	=====
	Under 40	2005	87.3	2018	93.4	-4.4	Improving	10 years	40-49	93.6	93.4	3.1	Same
	50-59	2005	87.0	2018	90.5	-3.4	Improving	20 years			90.5	48.4	Worse
	60-69	2005	85.5	2018	87.7	-2.8	Improving	More than 20 years			87.7	92.2	Worse
	70-79	2005	81.3	2018	86.4	-4.5	Improving	17 years			86.4	112.5	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.12. Measure: Composite measure: Cancer deaths per 100,000 population per year for all cancers

Source: National Vital Statistics System - Mortality

Benchmark was 135.1 in 2015.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	199.6	2020	144.1	-1.6	Improving	3 years	=====	=====	=====	=====	=====
Race	White	2018	151.0	2020	146.3	-----	-----	-----	=====	=====	=====	=====	=====
	AI/AN	2018	96.2	2020	92.0	-----	-----	-----	White	146.3	92.0	-37.1	Better
	Asian	2018	91.1	2020	88.8	-----	-----	-----			88.8	-39.3	Better
	NHPI	2018	126.2	2020	123.6	-----	-----	-----			123.6	-15.5	Better
	Black	2018	171.2	2020	164.0	-----	-----	-----			164.0	12.1	Worse
Ethnicity	Non-Hispanic, White	2018	155.0	2020	150.5	-----	-----	-----	=====	=====	=====	=====	=====
	Hispanic, all races	2018	107.4	2020	103.6	-----	-----	-----	Non-Hispanic, White	150.5	103.6	-31.2	Better
	Non-Hispanic, all races	2018	153.3	2020	148.5	-----	-----	-----			148.5	-1.3	Same
	Non-Hispanic, Black	2018	175.9	2020	169.0	-----	-----	-----			169.0	12.3	Worse
Metropolitan status	Large fringe metro	2013	157.2	2020	138.5	-1.8	Improving	1 year	=====	=====	=====	=====	=====
	Metropolitan	2013	159.9	2020	140.4	-1.9	Improving	2 years	Large fringe metro	138.5	140.4	1.4	Same
	Large central metro	2013	157.4	2020	134.0	-2.3	Improving	Reached			134.0	-3.2	Same
	Medium metro	2013	162.8	2020	146.0	-1.7	Improving	4 years			146.0	5.4	Same
	Small metro	2013	168.6	2020	152.1	-1.5	Improving	7 years			152.1	9.8	Same
	Micropolitan	2013	177.0	2020	162.7	-1.3	Improving	12 years			162.7	17.5	Worse
	Noncore	2013	178.9	2020	165.3	-1.2	Improving	14 years			165.3	19.4	Worse
Age	18-44	2000	19.4	2020	12.9	-2.2	Improving	Reached	=====	=====	=====	=====	=====
	0-17	2000	2.7	2020	2.0	-1.3	Improving	Reached	18-44	12.9	2.0	-84.5	Better
	45-64	2000	221.2	2020	175.0	-1.0	Improving	20 years			175.0	1256.6	Worse
	65 and over	2000	1121.3	2020	791.9	-1.8	Improving	More than 20 years			791.9	6038.8	Worse
Gender	Male	2000	248.9	2020	170.3	-1.8	Improving	9 years	=====	=====	=====	=====	=====
	Female	2000	167.6	2020	124.5	-1.4	Improving	Reached	Male	170.3	124.5	-26.9	Better

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.13. Measure: Lung cancer deaths per 100,000 population per year
 Source: National Vital Statistics System - Mortality
 Benchmark was 27.5 in 2015.
 Disparity Year: 2020
 Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	56.1	2020	31.8	-2.7	Improving	4 years	=====	=====	=====	=====	=====
Race	White	2018	35.8	2020	32.9	-----	-----	-----	=====	=====	=====	=====	=====
	AI/AN	2018	23.0	2020	19.9	-----	-----	-----	White	32.9	19.9	-39.5	Better
	Asian	2018	18.5	2020	18.1	-----	-----	-----			18.1	-45.0	Better
	NHPI	2018	23.9	2020	23.9	-----	-----	-----			23.9	-27.4	Better
	Black	2018	36.3	2020	32.8	-----	-----	-----			32.8	-0.3	Same
Ethnicity	Non-Hispanic, White	2018	38.1	2020	35.1	-----	-----	-----	=====	=====	=====	=====	=====
	Hispanic, all races	2018	15.1	2020	14.1	-----	-----	-----	Non-Hispanic, White	35.1	14.1	-59.8	Better
	Non-Hispanic, all races	2018	36.8	2020	33.8	-----	-----	-----			33.8	-3.7	Same
	Non-Hispanic, Black	2018	37.4	2020	33.8	-----	-----	-----			33.8	-3.7	Same
Metropolitan status	Large fringe metro	2013	41.2	2020	30.1	-4.4	Improving	2 years	=====	=====	=====	=====	=====
	Metropolitan	2013	41.6	2020	30.2	-4.6	Improving	2 years	Large fringe metro	30.1	30.2	0.3	Same
	Large central metro	2013	38.5	2020	26.4	-5.4	Improving	Reached			26.4	-12.3	Better
	Medium metro	2013	43.5	2020	32.6	-4.2	Improving	3 years			32.6	8.3	Same
	Small metro	2013	46.9	2020	35.9	-3.8	Improving	5 years			35.9	19.3	Worse
	Micropolitan	2013	50.8	2020	39.5	-3.8	Improving	7 years			39.5	31.2	Worse
	Noncore	2013	51.6	2020	41.9	-3.1	Improving	10 years			41.9	39.2	Worse
Age	18-44	2000	2.7	2020	0.8	-6.7	Improving	Reached	=====	=====	=====	=====	=====
	45-64	2000	67.2	2020	38.3	-2.6	Improving	8 years	18-44	0.8	38.3	4687.5	Worse
	65 and over	2000	316.9	2020	185.9	-2.7	Improving	More than 20 years			185.9	23137.5	Worse
Gender	Male	2000	76.7	2020	38.1	-3.4	Improving	5 years	=====	=====	=====	=====	=====
	Female	2000	41.3	2020	26.9	-2.1	Improving	Reached	Male	38.1	26.9	-29.4	Better

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.
 ===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Effectiveness of Care
Section: Cardiovascular Disease

Appendix Table 3.14. Measure: Adults with hypertension with blood pressure less than 140/90 mm Hg

Source: National Health and Nutrition Examination Survey

Benchmark was not available.

Disparity Year: 2015-2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	1999-2002	29.4	2015-2018	39.9	-1.3	No change	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	1999-2002	30.6	2015-2018	42.1	-1.6	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2007-2010	35.0	2015-2018	34.4	-----	-----	=====	Non-Hispanic, White	42.1	34.4	13.3	Same
	Non-Hispanic, Asian	2011-2014	33.9	2015-2018	35.2	-----	-----	=====			35.2	11.9	Same
	Non-Hispanic, Black	1999-2002	28.2	2015-2018	37.8	-1.0	No change	=====			37.8	7.4	Same
Income	400% of PG or more	1999-2002	32.2	2015-2018	44.9	-1.3	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	1999-2002	27.9	2015-2018	37.9	-1.3	No change	=====	400% of PG or more	44.9	37.9	12.7	Same
	100-199% of PG	1999-2002	26.3	2015-2018	37.1	-1.3	No change	=====			37.1	14.2	Same
	200-399% of PG	1999-2002	30.4	2015-2018	37.2	-1.1	No change	=====			37.2	14.0	Same
Health insurance	Any private	2007-2010	47.5	2015-2018	39.3	-----	-----	=====	=====	=====	=====	=====	=====
	Insured	2007-2010	49.6	2015-2018	41.5	-----	-----	=====	Any private	39.3	41.5	-3.6	Same
	Public only	2007-2010	58.8	2015-2018	45.5	-----	-----	=====			45.5	-10.2	Same
	Uninsured	2007-2010	27.0	2015-2018	23.7	-----	-----	=====			23.7	25.7	Worse
Gender	Male	1999-2002	27.1	2015-2018	35.7	-0.9	No change	=====	=====	=====	=====	=====	=====
	Female	1999-2002	35.1	2015-2018	49.0	-1.8	No change	=====	Male	35.7	49.0	-20.7	Better
Education	Some college	1999-2002	33.1	2015-2018	43.5	-1.4	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	1999-2002	26.0	2015-2018	35.9	-1.5	No change	=====	Some college	43.5	35.9	13.5	Worse
	High school graduate	1999-2002	31.4	2015-2018	41.5	-1.1	No change	=====			41.5	3.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.15. Measure: Deaths per 1,000 hospital admissions with acute myocardial infarction, age 18 and over, without transfer cases

Source: Healthcare Cost and Utilization Project

Benchmark was 45.5 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	53.5	2019	52.1	-1.2	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	53.9	2019	52.6	-1.1	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	53.0	2019	51.5	-1.5	No change	No progress	Non-Hispanic, White	52.6	51.5	-2.1	Same
	Non-Hispanic, API	2016	57.9	2019	55.8	-1.4	No change	No progress			55.8	6.1	Same
	Non-Hispanic, Black	2016	48.8	2019	45.3	-2.7	No change	No progress			45.3	-13.9	Better
Income	400% of PG or more	2016	52.4	2019	52.6	-0.1	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	53.9	2019	52.7	-1.2	No change	No progress	400% of PG or more	52.6	52.7	0.2	Same
	100-199% of PG	2016	54.9	2019	51.2	-2.5	No change	No progress			51.2	-2.7	Same
	200-399% of PG	2016	52.4	2019	51.8	-0.4	No change	No progress			51.8	-1.5	Same
Health insurance	Any private	2016	50.6	2019	51.0	0.0	No change	No progress	=====	=====	=====	=====	=====
	Medicaid only	2016	50.2	2019	47.3	-2.9	No change	No progress	Any private	51.0	47.3	-7.3	Same
	Medicare only	2016	54.1	2019	48.5	-3.7	No change	No progress			48.5	-4.9	Same
	Other insurance	2016	65.4	2019	55.3	-5.4	Improving	3 years			55.3	8.4	Same
	Uninsured	2016	74.8	2019	74.7	-0.1	No change	No progress			74.7	46.5	Worse
Metropolitan status	Large fringe metro	2016	50.1	2019	49.3	-0.8	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	51.7	2019	50.4	-1.1	No change	No progress	Large fringe metro	49.3	50.4	2.2	Same
	Medium metro	2016	56.4	2019	54.4	-1.6	No change	No progress			54.4	10.3	Worse
	Small metro	2016	54.8	2019	52.5	-1.7	No change	No progress			52.5	6.5	Same
	Micropolitan	2016	55.9	2019	55.6	-0.8	No change	No progress			55.6	12.8	Worse
	Noncore	2016	58.1	2019	54.5	-1.8	No change	No progress			54.5	10.5	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	36.5	2019	33.8	-2.8	No change	No progress	=====	=====	=====	=====	=====
	18-64	2016	44.5	2019	42.3	-1.9	No change	No progress	18-44	33.8	42.3	25.1	Worse
	45-64	2016	45.3	2019	43.2	-1.8	No change	No progress			43.2	27.8	Worse
	65 and over	2016	57.3	2019	55.6	-1.3	No change	No progress			55.6	64.5	Worse
	65-69	2016	48.2	2019	48.1	-0.3	No change	No progress			48.1	42.3	Worse
	70-74	2016	51.8	2019	50.7	-0.8	No change	No progress			50.7	50.0	Worse
	75-79	2016	54.2	2019	56.4	0.8	No change	No progress			56.4	66.9	Worse
	80-84	2016	57.3	2019	56.1	-0.9	No change	No progress			56.1	66.0	Worse
	85 and over	2016	68.8	2019	63.7	-2.8	No change	No progress			63.7	88.5	Worse
Gender	Male	2016	54.8	2019	53.3	-1.2	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	51.9	2019	50.4	-1.3	No change	No progress	Male	53.3	50.4	-5.4	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.16. Measure: Median time in minutes from emergency department arrival to receipt of ECG for outpatients with chest pain or possible heart attack

Source: Hospital Outpatient Quality Reporting Program

Benchmark was 6.2 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	7.0	2019	8.0	4.1	No change	No progress	=====	=====	=====	=====	=====
Race	White	2016	7.0	2019	8.0	4.1	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2016	8.0	2019	10.0	6.9	Worsening	No progress	White	8.0	10.0	25.0	-----
	Asian	2016	8.0	2019	9.0	4.8	No change	No progress			9.0	12.5	-----
	NHPI	2016	9.0	2019	7.0	-7.3	No change	No progress			7.0	-12.5	-----
	Black	2016	9.0	2019	9.0	0.0	No change	No progress			9.0	12.5	-----
Ethnicity	Non-Hispanic, all races	2016	7.0	2019	8.0	4.1	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	9.0	2019	9.0	1.2	No change	No progress	Non-Hispanic, all races	8.0	9.0	12.5	-----
Age	0-64	2016	7.0	2019	7.0	0.0	No change	No progress	=====	=====	=====	=====	=====
	65-74	2016	7.0	2019	8.0	4.1	No change	No progress	0-64	7.0	8.0	14.3	-----
	75-84	2016	8.0	2019	8.0	0.0	No change	No progress			8.0	14.3	-----
	85 and over	2016	9.0	2019	9.0	0.0	No change	No progress			9.0	28.6	-----
Gender	Male	2016	7.0	2019	7.0	0.0	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	8.0	2019	9.0	3.6	No change	No progress	Male	7.0	9.0	28.6	-----

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.17. Measure: Outpatients with chest pain or possible heart attack who received fibrinolytic therapy within 30 minutes of arrival

Source: Hospital Outpatient Quality Reporting Program

Benchmark was 79.4 in 2016.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	58.0	2019	57.4	0.2	No change	No progress	=====	=====	=====	=====	=====
Race	White	2016	58.8	2019	57.7	0.5	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2016	53.8	2019	51.0	3.3	No change	No progress	White	57.7	51.0	15.8	Same
	Asian	2016	59.5	2018	50.0	-----	-----	No Benchmark			-----	-----	-----
Ethnicity	Black	2016	48.1	2019	49.2	-1.5	No change	No progress			49.2	20.1	Worse
	Non-Hispanic, all races	2016	58.5	2019	57.7	0.3	No change	No progress	=====	=====	=====	=====	=====
Age	Hispanic, all races	2016	48.5	2019	54.6	-2.9	No change	No progress	Non-Hispanic, all races	57.7	54.6	7.3	Same
	0-64	2016	59.8	2019	60.2	-0.4	No change	No progress	=====	=====	=====	=====	=====
	65-74	2016	58.6	2019	55.7	1.7	No change	No progress	0-64	60.2	55.7	11.3	Worse
	75-84	2016	48.6	2019	51.7	-2.0	No change	No progress			51.7	21.4	Worse
Gender	85 and over	2016	53.3	2019	45.7	4.0	No change	No progress			45.7	36.4	Worse
	Male	2016	52.7	2019	59.2	-4.3	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	59.9	2019	53.0	4.2	No change	No progress	Male	59.2	53.0	15.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.18. Measure: Median time in minutes before outpatients with chest pain or possible heart attack who needed specialized care and did not have contraindication to fibrinolytics were transferred to another hospital

Source: Hospital Outpatient Quality Reporting Program

Benchmark was 41.0 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	58.0	2019	58.0	0.2	No change	No progress	=====	=====	=====	=====	=====
Race	White	2016	57.0	2019	57.0	0.0	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2016	68.0	2019	69.0	0.7	No change	No progress	White	57.0	69.0	21.1	-----
	Asian	2016	59.0	2019	56.0	-0.4	No change	No progress			56.0	-1.8	Same
	NHPI	2018	206.0	2018	206.0	-----	-----	No Benchmark			-----	-----	-----
Ethnicity	Black	2016	72.0	2019	71.0	-0.1	No change	No progress			71.0	24.6	-----
	Non-Hispanic, all races	2016	58.0	2019	57.0	-0.5	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	69.0	2019	68.0	0.2	No change	No progress	Non-Hispanic, all races	57.0	68.0	19.3	-----
Age	0-64	2016	55.0	2019	55.0	0.0	No change	No progress	=====	=====	=====	=====	=====
	65-74	2016	59.0	2019	59.0	0.2	No change	No progress	0-64	55.0	59.0	7.3	Same
	75-84	2016	69.0	2019	63.0	-2.2	No change	No progress			63.0	14.5	-----
	85 and over	2016	75.0	2019	82.0	2.8	No change	No progress			82.0	49.1	-----
Gender	Male	2016	56.0	2019	55.0	-0.5	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	66.0	2019	65.0	-0.2	No change	No progress	Male	55.0	65.0	18.2	-----

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.19. Measure: Hospital admissions for heart failure per 100,000 population, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 220.9 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	384.3	2019	431.2	3.8	Worsening	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	318.8	2019	356.7	3.7	Worsening	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	368.5	2019	401.5	3.4	No change	No progress	Non-Hispanic, White	356.7	401.5	12.6	Worse
	Non-Hispanic, API	2016	209.6	2019	228.7	2.9	Worsening	No progress			228.7	-35.9	Better
	Non-Hispanic, Black	2016	859.8	2019	970.7	3.9	Worsening	No progress			970.7	172.1	Worse
Income	400% of PG or more	2016	267.2	2019	299.0	3.7	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	555.5	2019	622.9	3.8	Worsening	No progress	400% of PG or more	299.0	622.9	108.3	Worse
	100-199% of PG	2016	391.4	2019	441.7	4.0	Worsening	No progress			441.7	47.7	Worse
	200-399% of PG	2016	334.0	2019	376.6	4.1	Worsening	No progress			376.6	26.0	Worse
Metropolitan status	Large fringe metro	2016	371.7	2019	411.8	3.4	Worsening	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	410.5	2019	465.8	4.2	Worsening	No progress	Large fringe metro	411.8	465.8	13.1	Worse
	Medium metro	2016	372.5	2019	420.3	4.1	Worsening	No progress			420.3	2.1	Same
	Small metro	2016	370.4	2019	423.4	4.4	Worsening	No progress			423.4	2.8	Same
	Micropolitan	2016	376.7	2019	423.2	3.8	Worsening	No progress			423.2	2.8	Same
	Noncore	2016	387.0	2019	414.0	2.0	No change	No progress			414.0	0.5	Same
Age	18-44	2016	38.6	2019	47.3	6.9	Worsening	Reached, getting worse	=====	=====	=====	=====	=====
	18-64	2016	148.6	2019	178.4	6.2	Worsening	Reached, getting worse	18-44	47.3	178.4	277.2	Worse
	45-64	2016	300.7	2019	362.5	6.3	Worsening	No progress			362.5	666.4	Worse
	65 and over	2016	1479.7	2019	1579.0	2.1	No change	No progress			1579.0	3238.3	Worse
	65-69	2016	673.2	2019	696.0	1.1	No change	No progress			696.0	1371.5	Worse
	70-74	2016	977.8	2019	1095.8	3.7	Worsening	No progress			1095.8	2216.7	Worse
	75-79	2016	1500.5	2019	1706.1	4.3	Worsening	No progress			1706.1	3507.0	Worse
	80-84	2016	2318.1	2019	2578.3	3.5	Worsening	No progress			2578.3	5351.0	Worse
	85 and over	2016	3877.5	2019	4081.2	1.6	No change	No progress			4081.2	8528.3	Worse
Gender	Male	2016	453.6	2019	511.6	4.0	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2016	329.0	2019	365.5	3.4	Worsening	No progress	Male	511.6	365.5	-28.6	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.20. Measure: Deaths per 1,000 hospital admissions with heart failure, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 22.8 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	30.3	2019	25.9	-5.5	Improving	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	31.5	2019	27.7	-4.6	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	26.8	2019	22.6	-6.4	No change	No progress	Non-Hispanic, White	27.7	22.6	-18.4	Better
	Non-Hispanic, API	2016	29.7	2019	26.0	-4.0	No change	No progress			26.0	-6.1	Same
	Non-Hispanic, Black	2016	25.8	2019	20.4	-7.3	Improving	Reached			20.4	-26.4	Better
Income	400% of PG or more	2016	30.6	2019	27.4	-3.9	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	30.2	2019	25.1	-6.1	Improving	1 year	400% of PG or more	27.4	25.1	-8.4	Same
	100-199% of PG	2016	31.1	2019	26.0	-6.4	Improving	No progress			26.0	-5.1	Same
	200-399% of PG	2016	29.2	2019	25.7	-4.6	No change	No progress			25.7	-6.2	Same
Health insurance	Any private	2016	41.8	2019	28.4	-12.1	Improving	1 year	=====	=====	=====	=====	=====
	Medicaid only	2016	29.2	2019	19.1	-12.6	Improving	Reached	Any private	28.4	19.1	-32.7	Better
	Medicare only	2016	32.9	2019	21.1	-12.6	Improving	Reached			21.1	-25.7	Better
	Other insurance	2016	70.5	2019	46.7	-13.8	Improving	3 years			46.7	64.4	Worse
	Uninsured	2016	36.1	2019	19.4	-18.5	Improving	Reached			19.4	-31.7	Better
Metropolitan status	Large fringe metro	2016	27.9	2019	24.6	-4.5	Improving	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	28.5	2019	23.3	-6.6	Improving	No progress	Large fringe metro	24.6	23.3	-5.3	Same
	Medium metro	2016	30.4	2019	26.6	-4.8	Improving	No progress			26.6	8.1	Same
	Small metro	2016	32.3	2019	28.4	-4.6	No change	No progress			28.4	15.4	Worse
	Micropolitan	2016	34.0	2019	28.8	-5.9	No change	No progress			28.8	17.1	Worse
	Noncore	2016	37.6	2019	32.4	-5.7	No change	No progress			32.4	31.7	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	20.6	2019	13.4	-11.8	Improving	No progress	=====	=====	=====	=====	=====
	18-64	2016	23.6	2019	14.4	-14.3	Improving	Reached	18-44	13.4	14.4	7.5	Same
	45-64	2016	24.0	2019	14.6	-14.5	Improving	Reached			14.6	9.0	Same
	65 and over	2016	32.1	2019	28.9	-4.1	No change	No progress			28.9	115.7	Worse
	65-69	2016	24.1	2019	18.2	-8.8	Improving	Reached			18.2	35.8	Worse
	70-74	2016	23.9	2019	22.6	-2.3	No change	No progress			22.6	68.7	Worse
	75-79	2016	29.4	2019	25.9	-4.7	No change	No progress			25.9	93.3	Worse
	80-84	2016	30.8	2019	30.8	-1.1	No change	No progress			30.8	129.9	Worse
	85 and over	2016	41.5	2019	38.4	-3.4	No change	No progress			38.4	186.6	Worse
Gender	Male	2016	32.8	2019	27.3	-6.1	Improving	2 years	=====	=====	=====	=====	=====
	Female	2016	27.9	2019	24.6	-4.7	No change	No progress	Male	27.3	24.6	-9.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.21. Measure: Deaths per 1,000 hospital admissions with abdominal aortic aneurysm repair, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 27.1 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	37.3	2019	37.1	-0.9	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	37.9	2019	37.3	-1.2	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	35.6	2019	41.7	1.2	No change	No progress	Non-Hispanic, White	37.3	41.7	11.8	Same
	Non-Hispanic, API	2016	39.7	2019	31.0	-8.7	Improving	No progress			31.0	-16.9	Same
	Non-Hispanic, Black	2016	26.2	2019	31.2	4.6	No change	No progress			31.2	-16.4	Same
Income	400% of PG or more	2016	33.9	2019	38.7	3.3	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	39.3	2019	36.5	-2.8	Improving	No progress	400% of PG or more	38.7	36.5	-5.7	Same
	100-199% of PG	2016	36.4	2019	37.9	0.2	No change	No progress			37.9	-2.1	Same
	200-399% of PG	2016	38.7	2019	35.6	-3.1	Improving	No progress			35.6	-8.0	Same
Health insurance	Any private	2016	33.2	2019	31.9	-1.4	No change	No progress	=====	=====	=====	=====	=====
	Medicaid only	2016	42.0	2019	29.0	-10.8	Improving	No progress	Any private	31.9	29.0	-9.1	Same
	Medicare only	2016	36.7	2019	30.0	-6.8	No change	No progress			30.0	-6.0	Same
	Other insurance	2016	29.1	2019	28.0	-0.8	No change	No progress			28.0	-12.2	Same
	Uninsured	2016	58.0	2019	46.3	-8.3	No change	No progress			46.3	45.1	Worse
Metropolitan status	Large fringe metro	2016	35.3	2019	38.6	2.4	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	35.9	2019	34.8	-1.3	No change	No progress	Large fringe metro	38.6	34.8	-9.8	Same
	Medium metro	2016	39.5	2019	38.0	-2.5	No change	No progress			38.0	-1.6	Same
	Small metro	2016	37.7	2019	37.4	-2.7	No change	No progress			37.4	-3.1	Same
	Micropolitan	2016	34.5	2019	36.9	0.3	No change	No progress			36.9	-4.4	Same
	Noncore	2016	44.8	2019	36.0	-4.8	No change	No progress			36.0	-6.7	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	45-64	2016	29.6	2019	25.6	-5.2	No change	No progress	=====	=====	=====	=====	=====
	18-64	2016	30.3	2019	25.7	-5.9	No change	No progress	45-64	25.6	25.7	0.4	Same
	65 and over	2016	38.6	2019	39.2	-0.2	No change	No progress			39.2	53.1	Worse
	65-69	2016	31.8	2019	29.7	-1.9	No change	No progress			29.7	16.0	Same
	70-74	2016	34.0	2019	35.9	1.0	No change	No progress			35.9	40.2	Worse
	75-79	2016	38.6	2019	43.1	2.8	No change	No progress			43.1	68.4	Worse
	80-84	2016	44.7	2019	42.7	-3.5	No change	No progress			42.7	66.8	Worse
	85 and over	2016	48.3	2019	48.3	-0.2	No change	No progress			48.3	88.7	Worse
Gender	Male	2016	36.6	2019	35.1	-2.3	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	39.1	2019	43.0	2.8	No change	No progress	Male	35.1	43.0	22.5	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.22. Measure: Deaths per 1,000 hospital admissions with coronary artery bypass graft, age 40 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 14.4 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	21.1	2019	21.8	0.7	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	21.0	2019	22.1	1.5	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	22.2	2019	21.4	-2.5	No change	No progress	Non-Hispanic, White	22.1	21.4	-3.2	Same
	Non-Hispanic, API	2016	22.6	2019	20.6	-3.7	No change	No progress			20.6	-6.8	Same
	Non-Hispanic, Black	2016	20.4	2019	20.7	-0.8	No change	No progress			20.7	-6.3	Same
Income	400% of PG or more	2016	17.0	2019	19.4	4.0	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	21.7	2019	24.3	3.5	Worsening	No progress	400% of PG or more	19.4	24.3	25.3	Worse
	100-199% of PG	2016	22.8	2019	23.3	-0.4	No change	No progress			23.3	20.1	Worse
	200-399% of PG	2016	21.8	2019	19.4	-3.4	Improving	No progress			19.4	0.0	Same
Health insurance	Any private	2016	19.9	2019	18.2	-3.7	No change	No progress	=====	=====	=====	=====	=====
	Medicaid only	2016	18.8	2019	20.1	1.2	No change	No progress	Any private	18.2	20.1	10.4	Same
	Medicare only	2016	27.7	2019	25.5	-2.8	No change	No progress			25.5	40.1	Worse
	Other insurance	2016	21.8	2019	22.2	-2.1	No change	No progress			22.2	22.0	Worse
	Uninsured	2016	27.6	2019	26.5	-2.3	No change	No progress			26.5	45.6	Worse
Metropolitan status	Large fringe metro	2016	18.7	2019	18.6	-0.5	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	18.9	2019	18.2	-1.7	No change	No progress	Large fringe metro	18.6	18.2	-2.2	Same
	Medium metro	2016	22.1	2019	26.1	4.9	No change	No progress			26.1	40.3	Worse
	Small metro	2016	24.7	2019	24.9	0.3	No change	No progress			24.9	33.9	Worse
	Micropolitan	2016	24.4	2019	24.8	0.4	No change	No progress			24.8	33.3	Worse
	Noncore	2016	24.0	2019	25.3	1.3	No change	No progress			25.3	36.0	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	40-64	2016	18.9	2019	17.4	-3.2	Improving	No progress	=====	=====	=====	=====	=====
	18-44	2016	17.1	2019	17.4	-1.5	No change	No progress	40-64	17.4	17.4	0.0	Same
	45-64	2016	19.0	2019	17.4	-3.2	Improving	No progress			17.4	0.0	Same
	65 and over	2016	22.4	2019	23.8	1.6	No change	No progress			23.8	36.8	Worse
	65-69	2016	19.5	2019	18.5	-1.8	No change	No progress			18.5	6.3	Same
	70-74	2016	20.5	2019	22.4	3.0	No change	No progress			22.4	28.7	Worse
	75-79	2016	22.3	2019	25.7	3.5	No change	No progress			25.7	47.7	Worse
	80-84	2016	27.8	2019	30.7	3.3	No change	No progress			30.7	76.4	Worse
	85 and over	2016	32.1	2019	37.6	5.4	Worsening	No progress			37.6	116.1	Worse
Gender	Male	2016	19.0	2019	19.5	0.3	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	25.6	2019	27.1	1.8	No change	No progress	Male	19.5	27.1	39.0	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.23. Measure: Deaths per 1,000 hospital admissions with percutaneous coronary intervention, age 40 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 23.2 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	30.4	2019	32.7	1.8	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	30.7	2019	32.7	1.6	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	30.2	2019	32.3	1.2	No change	No progress	Non-Hispanic, White	32.7	32.3	-1.2	Same
	Non-Hispanic, API	2016	31.3	2019	34.5	3.3	No change	No progress			34.5	5.5	Same
	Non-Hispanic, Black	2016	27.6	2019	30.6	2.4	No change	No progress			30.6	-6.4	Same
Income	400% of PG or more	2016	29.7	2019	31.7	1.8	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	31.7	2019	33.6	1.2	No change	No progress	400% of PG or more	31.7	33.6	6.0	Same
	100-199% of PG	2016	30.3	2019	32.5	1.5	No change	No progress			32.5	2.5	Same
	200-399% of PG	2016	29.5	2019	32.5	2.9	No change	No progress			32.5	2.5	Same
Health insurance	Any private	2016	27.3	2019	29.7	2.5	No change	No progress	=====	=====	=====	=====	=====
	Medicaid only	2016	27.8	2019	29.8	1.2	No change	No progress	Any private	29.7	29.8	0.3	Same
	Medicare only	2016	32.1	2019	30.1	-2.4	No change	No progress			30.1	1.3	Same
	Other insurance	2016	28.7	2019	32.1	2.1	No change	No progress			32.1	8.1	Same
	Uninsured	2016	43.4	2019	46.8	2.0	No change	No progress			46.8	57.6	Worse
Metropolitan status	Large fringe metro	2016	28.0	2019	30.0	1.9	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	29.7	2019	32.5	2.6	No change	No progress	Large fringe metro	30.0	32.5	8.3	Same
	Medium metro	2016	33.1	2019	34.4	0.5	No change	No progress			34.4	14.7	Worse
	Small metro	2016	31.4	2019	33.9	1.7	No change	No progress			33.9	13.0	Worse
	Micropolitan	2016	31.1	2019	33.8	1.7	No change	No progress			33.8	12.7	Worse
	Noncore	2016	31.0	2019	33.7	2.6	No change	No progress			33.7	12.3	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	40-64	2016	25.5	2019	26.8	1.0	No change	No progress	=====	=====	=====	=====	=====
	18-44	2016	22.1	2019	22.1	-2.4	No change	No progress	40-64	26.8	22.1	-17.5	Better
	45-64	2016	25.7	2019	27.0	1.1	No change	No progress			27.0	0.7	Same
	65 and over	2016	33.0	2019	35.9	2.3	No change	No progress			35.9	34.0	Worse
	65-69	2016	27.5	2019	29.4	2.0	No change	No progress			29.4	9.7	Same
	70-74	2016	29.3	2019	32.4	3.1	No change	No progress			32.4	20.9	Worse
	75-79	2016	32.3	2019	36.4	3.0	No change	No progress			36.4	35.8	Worse
	80-84	2016	35.9	2019	38.2	1.4	No change	No progress			38.2	42.5	Worse
	85 and over	2016	46.3	2019	48.6	1.1	No change	No progress			48.6	81.3	Worse
Gender	Male	2016	29.9	2019	31.9	1.6	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	31.3	2019	34.0	2.1	No change	No progress	Male	31.9	34.0	6.6	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.24. Measure: Receipt of interpretation of results within 45 minutes of emergency department (ED) arrival for ischemic or hemorrhagic stroke patients who came to the ED with stroke symptoms and received head CT or MRI

Source: Hospital Outpatient Quality Reporting Program

Benchmark was 77.5 in 2016.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	71.3	2019	72.1	-0.7	No change	No progress	=====	=====	=====	=====	=====
Race	White	2016	71.7	2019	72.6	-0.9	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2016	55.7	2019	66.9	-8.9	Improving	No progress	White	72.6	66.9	20.8	Worse
	Asian	2016	71.4	2019	72.5	-0.3	No change	No progress			72.5	0.4	Same
	NHPI	2016	68.3	2019	64.0	3.2	No change	No progress			64.0	31.4	Same
	Black	2016	69.7	2019	71.3	-1.1	No change	No progress			71.3	4.7	Same
Ethnicity	Non-Hispanic, all races	2016	71.6	2019	72.6	-1.0	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	66.7	2019	64.6	2.2	Worsening	No progress	Non-Hispanic, all races	72.6	64.6	29.2	Worse
Age	0-64	2016	69.1	2019	69.7	-0.3	No change	No progress	=====	=====	=====	=====	=====
	65-74	2016	71.9	2019	72.8	-0.7	No change	No progress	0-64	69.7	72.8	-10.2	Better
	75-84	2016	73.0	2019	73.8	-0.9	No change	No progress			73.8	-13.5	Better
	85 and over	2016	74.3	2019	75.4	-1.5	No change	No progress			75.4	-18.8	Better
Gender	Male	2016	69.9	2019	73.2	-3.1	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	72.7	2019	71.0	1.8	No change	No progress	Male	73.2	71.0	8.2	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Effectiveness of Care
Section: Chronic Kidney Disease

Appendix Table 3.25. Measure: Adult end stage renal disease patients who saw a nephrologist at least 12 months prior to initiation of renal replacement therapy

Source: U.S. Renal Data System

Benchmark was 54.1 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2005	25.7	2019	38.0	-1.4	Improving	16 years	=====	=====	=====	=====	=====
Race	White	2005	27.3	2019	39.3	-1.4	Improving	15 years	=====	=====	=====	=====	=====
	AI/AN	2005	25.2	2019	35.0	-1.0	Improving	More than 20 years	White	39.3	35.0	7.1	Same
	API	2005	25.3	2019	39.3	-1.7	Improving	12 years			39.3	0.0	Same
	Black	2005	22.1	2019	34.1	-1.3	Improving	More than 20 years			34.1	8.6	Same
Ethnicity	Non-Hispanic, White	2005	28.8	2019	42.3	-1.6	Improving	11 years	=====	=====	=====	=====	=====
	Hispanic, all races	2005	20.0	2019	29.6	-1.1	Improving	More than 20 years	Non-Hispanic, White	42.3	29.6	22.0	Worse
	Non-Hispanic, all races	2005	26.6	2019	39.6	-1.5	Improving	14 years			39.6	4.7	Same
	Non-Hispanic, Black	2005	22.1	2019	34.2	-1.3	Improving	More than 20 years			34.2	14.0	Worse
Age	18-44	2005	23.2	2019	30.5	-1.0	No change	More than 20 years	=====	=====	=====	=====	=====
	45-64	2005	25.7	2019	35.3	-1.1	Improving	More than 20 years	18-44	30.5	35.3	-6.9	Same
	65-74	2005	27.1	2019	40.7	-1.6	Improving	12 years			40.7	-14.7	Better
	75 and over	2005	25.3	2019	42.7	-2.0	Improving	9 years			42.7	-17.6	Better
Gender	Male	2005	26.1	2019	37.5	-1.4	Improving	17 years	=====	=====	=====	=====	=====
	Female	2005	25.3	2019	38.7	-1.5	Improving	15 years	Male	37.5	38.7	-1.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.26. Measure: Dialysis patients under age 70 who were registered on a waiting list for transplantation or received a deceased donor kidney transplant within a year of initiation

Source: U.S. Renal Data System

Benchmark was 28.2 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	15.2	2018	16.1	-0.1	No change	No progress	=====	=====	=====	=====	=====
Race	White	2000	17.0	2018	16.4	0.0	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2000	13.0	2018	9.0	0.0	No change	No progress	White	16.4	9.0	8.9	Same
	API	2000	24.1	2018	24.6	0.0	No change	No progress			24.6	-9.8	Same
Ethnicity	Black	2000	11.1	2018	13.8	-0.2	No change	More than 20 years			13.8	3.1	Same
	Non-Hispanic, White	2000	18.0	2018	16.9	0.0	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2000	12.9	2018	15.0	-0.2	No change	No progress	Non-Hispanic, White	16.9	15.0	2.3	Same
	Non-Hispanic, all races	2000	15.5	2018	16.1	-0.1	No change	No progress			16.1	1.0	Same
Age	Non-Hispanic, Black	2000	11.2	2018	13.7	-0.2	No change	More than 20 years			13.7	3.9	Same
	18-44	2000	26.3	2018	24.0	0.1	No change	No progress	=====	=====	=====	=====	=====
	45-64	2000	14.1	2018	14.9	-0.1	No change	More than 20 years	18-44	24.0	14.9	12.0	Worse
Gender	65-69	2000	5.0	2018	11.2	-0.4	No change	More than 20 years			11.2	16.8	Worse
	Male	2000	16.4	2018	16.3	-0.1	No change	No progress	=====	=====	=====	=====	=====
	Female	2000	13.4	2018	15.7	-0.2	No change	More than 20 years	Male	16.3	15.7	0.7	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.27. Measure: Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure

Source: U.S. Renal Data System

Benchmark was 23.7 in 2015.

Disparity Year: 2016

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	19.1	2016	13.3	0.6	No change	No progress	=====	=====	=====	=====	=====
Race	White	2000	24.6	2016	15.5	0.8	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2000	15.5	2016	7.2	0.4	No change	No progress	White	15.5	7.2	9.8	Same
	API	2000	15.7	2016	16.1	0.2	No change	No progress			16.1	-0.7	Same
Ethnicity	Black	2000	9.8	2016	8.1	0.2	No change	No progress			8.1	8.8	Same
	Non-Hispanic, White	2000	26.9	2016	17.4	0.9	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2000	15.2	2016	10.1	0.4	No change	No progress	Non-Hispanic, White	17.4	10.1	8.8	Same
	Non-Hispanic, all races	2000	19.4	2016	13.7	0.6	No change	No progress			13.7	4.5	Same
Age	Non-Hispanic, Black	2000	9.8	2016	7.9	0.2	No change	No progress			7.9	11.5	Worse
	18-44	2000	31.3	2016	21.7	1.0	Worsening	No progress	=====	=====	=====	=====	=====
	45-64	2000	15.9	2016	11.2	0.4	No change	No progress	18-44	21.7	11.2	13.4	Worse
Gender	65-69	2000	6.2	2016	7.7	0.0	No change	No progress			7.7	17.9	Worse
	Male	2000	20.5	2016	13.5	0.7	No change	No progress	=====	=====	=====	=====	=====
	Female	2000	17.3	2016	12.9	0.4	No change	No progress	Male	13.5	12.9	0.7	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.28. Measure: Hemodialysis patients whose hemoglobin level is less than 10 g/dL

Source: University of Michigan Kidney Epidemiology and Cost Center

Benchmark was 16.1 in 2015.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2015	20.7	2020	20.2	0.3	No change	No progress	=====	=====	=====	=====	=====
Race	White	2015	19.8	2020	19.4	0.4	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2015	18.1	2020	19.3	1.9	Worsening	No progress	White	19.4	19.3	-0.5	Same
	Asian	2015	20.7	2020	18.6	-1.2	No change	No progress			18.6	-4.1	Same
	Black	2015	22.2	2020	21.9	0.4	No change	No progress			21.9	12.9	Worse
Ethnicity	Non-Hispanic, all races	2015	21.3	2020	20.8	0.3	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2015	18.7	2020	18.2	0.2	No change	No progress	Non-Hispanic, all races	20.8	18.2	-12.5	Better
Age	0-17	2015	22.7	2020	19.8	-2.1	Improving	No progress	=====	=====	=====	=====	=====
	18-64	2015	21.2	2020	21.0	0.5	No change	No progress	0-17	19.8	21.0	6.1	Same
	65 and over	2015	20.2	2020	19.4	0.1	No change	No progress			19.4	-2.0	Same
Gender	Male	2015	19.2	2020	18.7	0.3	No change	No progress	=====	=====	=====	=====	=====
	Female	2015	22.7	2020	22.2	0.3	No change	No progress	Male	18.7	22.2	18.7	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.29. Measure: Adult hemodialysis patients who use arteriovenous fistulas as the primary mode of vascular access

Source: U.S. Renal Data System

Benchmark was 72.8 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	62.1	2019	63.4	-0.8	No change	No progress	=====	=====	=====	=====	=====
Race	White	2012	64.4	2019	66.1	-1.0	Improving	No progress	=====	=====	=====	=====	=====
	AI/AN	2012	72.2	2019	75.7	-1.8	Improving	Reached	White	66.1	75.7	-28.3	Better
	API	2012	66.6	2019	68.8	-1.2	Improving	11 years			68.8	-8.0	Same
Ethnicity	Black	2012	57.4	2019	57.2	-0.2	No change	No progress			57.2	26.3	Worse
	Non-Hispanic, White	2012	62.9	2019	64.4	-0.8	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2012	67.8	2019	69.5	-1.3	Improving	8 years	Non-Hispanic, White	64.4	69.5	-14.3	Better
	Non-Hispanic, all races	2012	60.8	2019	61.9	-0.6	No change	No progress			61.9	7.0	Same
Age	Non-Hispanic, Black	2012	57.3	2019	57.2	-0.2	No change	No progress			57.2	20.2	Worse
	18-44	2012	66.0	2019	64.0	0.5	No change	No progress	=====	=====	=====	=====	=====
	45-64	2012	64.0	2019	65.6	-0.9	No change	No progress	18-44	64.0	65.6	-4.4	Same
	65-74	2012	60.0	2019	63.1	-1.4	Improving	18 years			63.1	2.5	Same
Gender	75 and over	2012	54.9	2019	59.5	-1.7	Improving	19 years			59.5	12.5	Worse
	Male	2012	68.4	2019	68.9	-0.6	No change	No progress	=====	=====	=====	=====	=====
	Female	2012	54.0	2019	55.9	-0.8	No change	No progress	Male	68.9	55.9	41.8	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Effectiveness of Care
Section: Diabetes

Appendix Table 3.30. Measure: Composite measure: Adults age 40 and over with diagnosed diabetes who received all four recommended services for diabetes in the calendar year (two or more hemoglobin A1c measurements, dilated eye examination, foot examination, and flu vaccination)

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2008	21.0	2019	27.9	-0.6	No change	=====	=====	=====	=====	=====	=====
Race	White	2008	21.8	2019	29.2	-0.6	No change	=====	=====	=====	=====	=====	=====
	Asian	2011	23.9	2016	18.2	0.7	No change	=====	White	29.2	-----	-----	-----
	Black	2008	16.6	2019	23.2	-0.7	No change	=====			23.2	8.5	Same
Ethnicity	Non-Hispanic, White	2008	22.7	2019	31.9	-0.8	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2008	18.7	2019	19.7	-0.3	No change	=====	Non-Hispanic, White	31.9	19.7	17.9	Worse
	Non-Hispanic, all races	2008	21.5	2019	29.7	-0.7	No change	=====			29.7	3.2	Same
	Non-Hispanic, Asian	2011	23.9	2016	18.3	0.7	No change	=====			-----	-----	-----
	Non-Hispanic, Black	2008	16.6	2019	23.5	-0.8	No change	=====			23.5	12.3	Same
Income	400% of PG or more	2008	27.8	2019	30.2	-0.4	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2008	16.2	2019	25.8	-0.9	No change	=====	400% of PG or more	30.2	25.8	6.3	Same
	100-199% of PG	2008	17.9	2019	25.2	-0.5	No change	=====			25.2	7.2	Same
	200-399% of PG	2008	17.0	2019	28.1	-0.8	No change	=====			28.1	3.0	Same
Health insurance	Any private	2008	22.5	2019	25.9	0.1	No change	=====	=====	=====	=====	=====	=====
	Public only	2008	17.4	2019	22.6	-0.7	No change	=====	Any private	25.9	22.6	4.5	Same
	Uninsured	2012	10.0	2016	17.4	-2.2	Improving	=====			-----	-----	-----
Metropolitan status	Large fringe metro	2008	21.1	2019	23.8	-0.4	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2008	20.2	2019	28.4	-0.6	No change	=====	Large fringe metro	23.8	28.4	-6.0	Same
	Large central metro	2008	18.6	2019	35.5	-1.2	Improving	=====			35.5	-15.4	Better
	Medium metro	2008	20.0	2019	26.5	-0.7	No change	=====			26.5	-3.5	Same
	Small metro	2008	22.3	2019	22.3	0.2	No change	=====			22.3	2.0	Same
	Nonmetropolitan	2008	25.2	2019	25.7	-0.6	No change	=====			25.7	-2.5	Same
	Micropolitan	2008	27.5	2019	24.9	-0.7	No change	=====			24.9	-1.4	Same
	Noncore	2009	13.6	2019	26.8	-0.8	No change	=====			26.8	-3.9	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	40-59	2008	16.0	2019	21.9	-0.6	No change	=====	=====	=====	=====	=====	=====
	60 and over	2008	29.0	2019	37.7	-0.8	No change	=====	40-59	21.9	37.7	-20.2	Better
Disability status	Without disability	2013	24.7	2019	27.0	-0.6	No change	=====	=====	=====	=====	=====	=====
	With disability	2013	23.6	2019	30.8	-1.5	Improving	=====	Without disability	27.0	30.8	-5.2	Same
Gender	Male	2008	21.4	2019	28.7	-0.6	No change	=====	=====	=====	=====	=====	=====
	Female	2008	20.5	2019	27.1	-0.6	No change	=====	Male	28.7	27.1	2.2	Same
Education	Some college	2008	25.2	2019	32.1	-0.4	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2008	16.1	2019	19.7	-0.5	No change	=====	Some college	32.1	19.7	18.3	Worse
	High school graduate	2008	19.5	2019	27.3	-0.8	No change	=====			27.3	7.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.31. Measure: Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year

Source: Medical Expenditure Panel Survey

Benchmark was 79.5 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	80.7	2019	76.6	0.5	No change	No progress	=====	=====	=====	=====	=====
Race	White	2002	80.1	2019	77.0	0.3	No change	No progress	=====	=====	=====	=====	=====
	Asian	2014	52.8	2014	52.8	-----	-----	No Benchmark	White	77.0	-----	-----	-----
	Black	2002	81.5	2019	75.6	1.4	Worsening	No progress			75.6	6.1	Same
Ethnicity	Non-Hispanic, White	2002	80.6	2019	79.2	0.0	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2002	77.6	2019	71.0	0.6	No change	No progress	Non-Hispanic, White	79.2	71.0	39.4	Same
	Non-Hispanic, all races	2002	81.2	2019	77.8	0.4	No change	No progress			77.8	6.7	Same
	Non-Hispanic, Asian	2014	52.8	2014	52.8	-----	-----	No Benchmark			-----	-----	-----
	Non-Hispanic, Black	2002	81.3	2019	75.1	1.4	Worsening	No progress			75.1	19.7	Same
Income	400% of PG or more	2002	81.7	2019	78.1	0.0	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	83.9	2019	80.3	0.7	No change	No progress	400% of PG or more	78.1	80.3	-10.0	Same
	100-199% of PG	2002	81.6	2019	79.4	0.6	No change	No progress			79.4	-5.9	Same
	200-399% of PG	2002	77.6	2019	72.6	0.7	No change	No progress			72.6	25.1	Same
Health insurance	Any private	2002	81.9	2019	76.0	0.8	No change	No progress	=====	=====	=====	=====	=====
	Public only	2002	81.1	2019	76.7	1.0	No change	No progress	Any private	76.0	76.7	-2.9	Same
	Uninsured	2002	73.8	2016	78.4	1.7	No change	No progress			-----	-----	-----
Metropolitan status	Large fringe metro	2002	84.9	2019	76.6	0.8	No change	No progress	=====	=====	=====	=====	=====
	Metropolitan	2002	80.8	2019	76.6	0.4	No change	No progress	Large fringe metro	76.6	76.6	0.0	Same
	Large central metro	2002	79.0	2019	78.8	0.0	No change	No progress			78.8	-9.4	Same
	Medium metro	2002	77.3	2019	76.6	1.0	Worsening	No progress			76.6	0.0	Same
	Small metro	2002	85.8	2019	70.8	-0.1	No change	No progress			70.8	24.8	Same
	Nonmetropolitan	2002	80.6	2019	76.7	0.8	No change	No progress			76.7	-0.4	Same
	Micropolitan	2002	80.0	2019	76.0	1.9	Worsening	No progress			76.0	2.6	Same
	Noncore	2005	66.8	2019	77.8	-2.1	No change	No progress			77.8	-5.1	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	40-59	2002	81.7	2019	72.8	0.8	No change	No progress	=====	=====	=====	=====	=====
	60 and over	2002	79.2	2019	82.8	-0.1	No change	No progress	40-59	72.8	82.8	-36.8	Better
Disability status	Without disability	2013	72.5	2019	74.3	0.2	No change	No progress	=====	=====	=====	=====	=====
	With disability	2013	77.1	2019	82.6	-3.4	No change	No progress	Without disability	74.3	82.6	-32.3	Better
Gender	Male	2002	80.9	2019	74.8	0.7	No change	No progress	=====	=====	=====	=====	=====
	Female	2002	80.7	2019	78.5	0.2	No change	No progress	Male	74.8	78.5	-14.7	Same
Education	Some college	2002	82.0	2019	81.8	-0.1	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2002	77.0	2019	69.2	1.6	Worsening	No progress	Some college	81.8	69.2	69.2	Worse
	High school graduate	2002	81.9	2019	72.7	1.0	Worsening	No progress			72.7	50.0	Worse

----- : Data were not available for the analysis.
 ===== : Not applicable.
 More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.32. Measure: Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year

Source: Medical Expenditure Panel Survey

Benchmark was 75.2 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	62.1	2019	61.9	-0.2	No change	No progress	=====	=====	=====	=====	=====
Race	White	2002	62.0	2019	62.4	-0.3	No change	More than 20 years	=====	=====	=====	=====	=====
	Asian	2009	52.8	2016	58.3	2.6	No change	No progress	White	62.4	-----	-----	-----
	Black	2002	62.6	2019	58.0	0.1	No change	No progress			58.0	11.7	Same
Ethnicity	Non-Hispanic, White	2002	62.8	2019	63.9	-0.4	No change	More than 20 years	=====	=====	=====	=====	=====
	Hispanic, all races	2002	57.2	2019	58.3	-0.7	No change	More than 20 years	Non-Hispanic, White	63.9	58.3	15.5	Same
	Non-Hispanic, all races	2002	62.7	2019	62.7	-0.2	No change	No progress			62.7	3.3	Same
	Non-Hispanic, Asian	2009	52.9	2016	57.9	2.7	No change	No progress			-----	-----	-----
Income	Non-Hispanic, Black	2002	62.6	2019	57.5	0.1	No change	No progress			57.5	17.7	Same
	400% of PG or more	2002	69.5	2019	62.3	0.3	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	55.9	2019	60.2	-1.0	No change	More than 20 years	400% of PG or more	62.3	60.2	5.6	Same
Health insurance	100-199% of PG	2002	55.5	2019	57.2	-0.9	No change	More than 20 years			57.2	13.5	Same
	200-399% of PG	2002	61.2	2019	65.1	0.0	No change	No progress			65.1	-7.4	Same
	Any private	2002	62.9	2019	61.6	0.2	No change	No progress	=====	=====	=====	=====	=====
Metropolitan status	Public only	2002	52.3	2019	57.3	-0.4	No change	No progress	Any private	61.6	57.3	11.2	Same
	Uninsured	2002	42.1	2016	45.1	-0.2	No change	No progress			-----	-----	-----
Metropolitan status	Large fringe metro	2002	62.7	2019	54.8	0.8	No change	No progress	=====	=====	=====	=====	=====
	Metropolitan	2002	63.1	2019	61.9	-0.1	No change	No progress	Large fringe metro	54.8	61.9	-15.7	Same
	Large central metro	2002	63.9	2019	67.8	-0.3	No change	No progress			67.8	-28.8	Better
	Medium metro	2002	62.0	2019	60.2	-0.5	No change	No progress			60.2	-11.9	Same
	Small metro	2002	62.1	2019	62.9	-0.7	No change	No progress			62.9	-17.9	Same
	Nonmetropolitan	2002	58.0	2019	61.8	-0.6	No change	No progress			61.8	-15.5	Same
	Micropolitan	2002	58.9	2019	60.9	-0.8	No change	No progress			60.9	-13.5	Same
Noncore	2002	56.5	2019	62.8	-0.3	No change	No progress			62.8	-17.7	Same	

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	40-59	2002	59.1	2019	56.7	0.0	No change	No progress	=====	=====	=====	=====	=====
	60 and over	2002	67.0	2019	70.3	-0.6	No change	More than 20 years	40-59	56.7	70.3	-31.4	Better
Disability status	Without disability	2013	62.5	2019	60.8	0.8	No change	No progress	=====	=====	=====	=====	=====
	With disability	2013	61.0	2019	65.4	-1.8	No change	No progress	Without disability	60.8	65.4	-11.7	Same
Gender	Male	2002	61.2	2019	60.9	-0.2	No change	No progress	=====	=====	=====	=====	=====
	Female	2002	62.9	2019	63.0	-0.2	No change	No progress	Male	60.9	63.0	-5.4	Same
Education	Some college	2002	66.3	2019	63.6	-0.1	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2002	55.7	2019	54.7	-0.1	No change	No progress	Some college	63.6	54.7	24.5	Worse
	High school graduate	2002	63.4	2019	63.9	0.3	No change	No progress			63.9	-0.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.33. Measure: Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year

Source: Medical Expenditure Panel Survey

Benchmark was 84.0 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	73.0	2019	65.2	1.1	Worsening	No progress	=====	=====	=====	=====	=====
Race	White	2002	72.9	2019	65.2	1.0	No change	No progress	=====	=====	=====	=====	=====
	Asian	2009	56.4	2016	58.3	3.2	No change	No progress	White	65.2	-----	-----	-----
Ethnicity	Black	2002	74.2	2019	66.3	1.8	Worsening	No progress			66.3	-3.2	Same
	Non-Hispanic, White	2002	74.7	2019	66.3	0.7	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2002	65.2	2019	60.0	1.4	Worsening	No progress	Non-Hispanic, White	66.3	60.0	18.7	Same
	Non-Hispanic, all races	2002	74.3	2019	66.2	0.9	No change	No progress			66.2	0.3	Same
Income	Non-Hispanic, Asian	2009	56.5	2016	57.9	3.3	No change	No progress			-----	-----	-----
	Non-Hispanic, Black	2002	74.1	2019	67.3	1.7	Worsening	No progress			67.3	-3.0	Same
	400% of PG or more	2002	77.2	2019	65.5	1.7	Worsening	No progress	=====	=====	=====	=====	=====
Health insurance	Less than 100% of PG	2002	70.0	2019	66.1	0.7	No change	No progress	400% of PG or more	65.5	66.1	-1.7	Same
	100-199% of PG	2002	73.4	2019	67.0	0.1	No change	No progress			67.0	-4.3	Same
	200-399% of PG	2002	69.7	2019	63.9	1.2	Worsening	No progress			63.9	4.6	Same
Metropolitan status	Any private	2002	73.6	2019	63.5	1.8	Worsening	No progress	=====	=====	=====	=====	=====
	Public only	2002	73.1	2019	62.9	1.0	No change	No progress	Any private	63.5	62.9	1.6	Same
	Uninsured	2002	61.5	2016	61.6	0.0	No change	No progress			-----	-----	-----
Metropolitan status	Large fringe metro	2002	78.0	2019	57.6	2.5	Worsening	No progress	=====	=====	=====	=====	=====
	Metropolitan	2002	74.1	2019	64.7	1.4	Worsening	No progress	Large fringe metro	57.6	64.7	-16.7	Same
	Large central metro	2002	73.1	2019	74.3	0.8	No change	No progress			74.3	-39.4	Better
	Medium metro	2002	73.9	2019	57.7	0.9	No change	No progress			57.7	-0.2	Same
	Small metro	2002	68.6	2019	64.4	1.5	Worsening	No progress			64.4	-16.0	Same
	Nonmetropolitan	2002	68.5	2019	67.7	-0.3	No change	No progress			67.7	-23.8	Same
	Micropolitan	2002	69.4	2019	68.6	0.0	No change	No progress			68.6	-25.9	Better
Noncore	2002	66.5	2019	66.3	-0.8	No change	No progress			66.3	-20.5	Same	

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	40-59	2002	73.0	2019	60.9	1.7	Worsening	No progress	=====	=====	=====	=====	=====
	60 and over	2002	72.9	2019	72.0	-0.2	No change	No progress	40-59	60.9	72.0	-28.4	Better
Disability status	Without disability	2013	63.4	2019	62.7	1.6	No change	No progress	=====	=====	=====	=====	=====
	With disability	2013	71.3	2019	71.6	2.7	No change	No progress	Without disability	62.7	71.6	-23.9	Better
Gender	Male	2002	74.1	2019	66.5	0.8	No change	No progress	=====	=====	=====	=====	=====
	Female	2002	72.0	2019	63.8	1.3	Worsening	No progress	Male	66.5	63.8	8.1	Same
Education	Some college	2002	78.3	2019	65.5	2.2	Worsening	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2002	66.3	2019	58.9	1.0	Worsening	No progress	Some college	65.5	58.9	19.1	Same
	High school graduate	2002	72.2	2019	69.2	0.3	No change	No progress			69.2	-10.7	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.34. Measure: Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year

Source: Medical Expenditure Panel Survey

Benchmark was 65.8 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2008	58.2	2019	63.3	-0.9	No change	7 years	=====	=====	=====	=====	=====
Race	White	2008	58.7	2019	64.6	-0.8	No change	4 years	=====	=====	=====	=====	=====
	Asian	2009	50.5	2016	63.8	-0.2	No change	No progress	White	64.6	-----	-----	-----
	Black	2008	51.8	2019	55.7	-1.0	No change	No progress			55.7	25.1	Worse
Ethnicity	Non-Hispanic, White	2008	59.8	2019	65.2	-0.6	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2008	52.9	2019	61.8	-1.8	Improving	5 years	Non-Hispanic, White	65.2	61.8	9.8	Same
	Non-Hispanic, all races	2008	59.0	2019	63.5	-0.7	No change	No progress			63.5	4.9	Same
	Non-Hispanic, Asian	2009	50.6	2016	64.1	-0.3	No change	No progress			-----	-----	-----
	Non-Hispanic, Black	2008	52.0	2019	55.3	-0.9	No change	No progress			55.3	28.4	Worse
Income	400% of PG or more	2008	62.4	2019	63.4	-0.4	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2008	56.0	2019	58.7	-1.1	No change	No progress	400% of PG or more	63.4	58.7	12.8	Same
	100-199% of PG	2008	56.1	2019	59.9	-0.7	No change	No progress			59.9	9.6	Same
	200-399% of PG	2008	56.0	2019	66.7	-1.2	Improving	No progress			66.7	-9.0	Same
Health insurance	Any private	2008	60.6	2019	59.7	0.2	No change	No progress	=====	=====	=====	=====	=====
	Public only	2008	52.5	2019	57.2	-0.5	No change	No progress	Any private	59.7	57.2	6.2	Same
	Uninsured	2008	36.7	2016	49.7	-2.5	Improving	No progress			-----	-----	-----
Metropolitan status	Large fringe metro	2008	60.5	2019	57.3	0.0	No change	No progress	=====	=====	=====	=====	=====
	Metropolitan	2008	58.8	2019	63.9	-0.9	No change	5 years	Large fringe metro	57.3	63.9	-15.5	Same
	Large central metro	2008	58.6	2019	70.2	-1.9	Improving	Reached			70.2	-30.2	Better
	Medium metro	2008	59.5	2019	64.2	-1.2	No change	No progress			64.2	-16.2	Same
	Small metro	2008	54.2	2019	58.8	0.0	No change	No progress			58.8	-3.5	Same
	Nonmetropolitan	2008	55.0	2019	60.4	-0.7	No change	No progress			60.4	-7.3	Same
	Micropolitan	2008	55.1	2019	55.7	-0.7	No change	No progress			55.7	3.7	Same
	Noncore	2008	55.2	2019	67.9	-1.0	No change	No progress			67.9	-24.8	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	40-59	2008	49.7	2019	54.7	-0.9	No change	More than 20 years	=====	=====	=====	=====	=====
	60 and over	2008	71.9	2019	77.0	-0.9	No change	No progress	40-59	54.7	77.0	-49.2	Better
Disability status	Without disability	2013	58.4	2019	63.8	-2.6	Improving	2 years	=====	=====	=====	=====	=====
	With disability	2013	64.0	2019	61.5	1.0	No change	No progress	Without disability	63.8	61.5	6.4	Same
Gender	Male	2008	57.8	2019	59.4	-0.3	No change	No progress	=====	=====	=====	=====	=====
	Female	2008	58.5	2019	67.4	-1.6	Improving	Reached	Male	59.4	67.4	-19.7	Better
Education	Some college	2008	61.7	2019	66.2	-0.6	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2008	54.6	2019	60.5	-0.9	No change	No progress	Some college	66.2	60.5	16.9	Same
	High school graduate	2008	57.4	2019	60.9	-0.8	No change	No progress			60.9	15.7	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.35. Measure: Adults age 40 and over with diabetes whose condition was diagnosed

Source: National Health and Nutrition Examination Survey

Benchmark was not available.

Disparity Year: 2017-March 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2001-2004	70.1	2017-2020	76.9	-1.9	No change	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2001-2004	67.1	2017-2020	80.9	-3.7	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2009-2012	70.3	2017-2020	75.2	-----	-----	=====	Non-Hispanic, White	80.9	75.2	29.8	Same
	Non-Hispanic, all races	2009-2012	71.9	2017-2020	77.8	-----	-----	=====			77.8	16.2	Same
	Non-Hispanic, Asian	2013-2016	68.6	2017-2020	68.6	-----	-----	=====			68.6	64.4	Same
	Non-Hispanic, Black	2001-2004	75.3	2017-2020	71.1	-0.3	No change	=====			71.1	51.3	Same
Income	400% of PG or more	2001-2004	72.7	2017-2020	79.3	-3.5	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2001-2004	65.5	2017-2020	75.1	-1.4	No change	=====	400% of PG or more	79.3	75.1	20.3	Same
	100-199% of PG	2001-2004	72.7	2017-2020	76.2	-0.8	No change	=====			76.2	15.0	Same
	200-399% of PG	2001-2004	70.8	2017-2020	73.6	-0.8	No change	=====			73.6	27.5	Same
Health insurance	Any private	2005-2008	73.9	2017-2020	80.3	-3.6	No change	=====	=====	=====	=====	=====	=====
	Insured	2005-2008	76.9	2017-2020	78.1	-1.3	No change	=====	Any private	80.3	78.1	11.2	Same
	Public only	2009-2012	85.3	2017-2020	72.5	-----	-----	=====			72.5	39.6	Same
	Uninsured	2005-2008	72.2	2009-2012	61.9	-----	-----	=====			-----	-----	-----
Gender	Male	2001-2004	64.2	2017-2020	80.2	-4.1	Improving	=====	=====	=====	=====	=====	=====
	Female	2001-2004	77.8	2017-2020	73.0	1.1	No change	=====	Male	80.2	73.0	36.4	Same
Education	Some college	2001-2004	70.7	2017-2020	77.5	-1.6	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2001-2004	68.6	2017-2020	78.2	-1.2	No change	=====	Some college	77.5	78.2	-3.1	Same
	High school graduate	2001-2004	72.7	2017-2020	75.5	-2.1	No change	=====			75.5	8.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.36. Measure: Adults age 40 and over with diagnosed diabetes with hemoglobin A1c less than 8.0% (optimal control)

Source: National Health and Nutrition Examination Survey

Benchmark was not available.

Disparity Year: 2015-2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	1999-2002	67.1	2015-2018	72.8	-0.3	No change	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	1999-2002	71.7	2015-2018	77.2	0.0	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2011-2014	61.5	2015-2018	62.4	-----	-----	=====	Non-Hispanic, White	77.2	62.4	64.9	Worse
	Non-Hispanic, Asian	2011-2014	78.8	2015-2018	74.1	-----	-----	=====			74.1	13.6	Same
	Non-Hispanic, Black	1999-2002	58.4	2015-2018	63.7	-0.8	No change	=====			63.7	59.2	Worse
Income	400% of PG or more	1999-2002	72.9	2015-2018	78.9	-0.2	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	1999-2002	64.4	2015-2018	67.4	-1.1	No change	=====	400% of PG or more	78.9	67.4	54.5	Worse
	100-199% of PG	1999-2002	66.4	2015-2018	65.9	0.8	No change	=====			65.9	61.6	Worse
	200-399% of PG	1999-2002	65.1	2015-2018	72.5	0.2	No change	=====			72.5	30.3	Same
Health insurance	Any private	2015-2018	74.7	2015-2018	74.7	-----	-----	=====	=====	=====	=====	=====	=====
	Insured	2015-2018	73.2	2015-2018	73.2	-----	-----	=====	Any private	74.7	73.2	5.9	Same
	Public only	2015-2018	70.3	2015-2018	70.3	-----	-----	=====			70.3	17.4	Same
	Uninsured	2015-2018	55.5	2015-2018	55.5	-----	-----	=====			55.5	75.9	Worse
Age	40-59	1999-2002	63.9	2015-2018	67.0	-0.1	No change	=====	=====	=====	=====	=====	=====
	60 and over	1999-2002	72.2	2015-2018	82.1	-0.7	No change	=====	40-59	67.0	82.1	-45.8	Better
Gender	Male	1999-2002	67.2	2015-2018	70.4	-0.1	No change	=====	=====	=====	=====	=====	=====
	Female	1999-2002	66.5	2015-2018	75.8	-0.8	No change	=====	Male	70.4	75.8	-18.2	Same
Education	Some college	1999-2002	71.8	2015-2018	77.3	0.0	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	1999-2002	64.4	2015-2018	67.3	-1.0	No change	=====	Some college	77.3	67.3	44.1	Worse
	High school graduate	1999-2002	60.2	2015-2018	66.4	0.2	No change	=====			66.4	48.0	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.37. Measure: Adults age 40 and over with diagnosed diabetes with hemoglobin A1c more than 9.0% (poor control)

Source: National Health and Nutrition Examination Survey

Benchmark was not available.

Disparity Year: 2015-2018

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	1999-2002	18.5	2015-2018	15.2	-0.4	No change	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	1999-2002	12.3	2015-2018	11.7	0.7	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2011-2014	23.6	2015-2018	23.1	-----	-----	=====	Non-Hispanic, White	11.7	23.1	97.4	Worse
	Non-Hispanic, Asian	2011-2014	12.3	2015-2018	14.4	-----	-----	=====			14.4	23.1	Same
Income	Non-Hispanic, Black	1999-2002	27.7	2015-2018	19.7	-1.7	No change	=====			19.7	68.4	Worse
	400% of PG or more	2003-2006	14.4	2015-2018	12.7	-0.4	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	1999-2002	28.7	2015-2018	18.8	-1.4	No change	=====	400% of PG or more	12.7	18.8	48.0	Same
	100-199% of PG	1999-2002	15.4	2015-2018	15.6	0.5	No change	=====			15.6	22.8	Same
Health insurance	200-399% of PG	1999-2002	16.9	2015-2018	16.4	0.8	No change	=====			16.4	29.1	Same
	Any private	2015-2018	15.0	2015-2018	15.0	-----	-----	=====	=====	=====	=====	=====	=====
	Insured	2015-2018	15.3	2015-2018	15.3	-----	-----	=====	Any private	15.0	15.3	2.0	Same
Age	Public only	2015-2018	15.7	2015-2018	15.7	-----	-----	=====			15.7	4.7	Same
	Uninsured	2015-2018	32.9	2015-2018	32.9	-----	-----	=====			32.9	119.3	Worse
Gender	40-59	1999-2002	23.0	2015-2018	19.4	-0.4	No change	=====	=====	=====	=====	=====	=====
	60 and over	1999-2002	11.4	2015-2018	8.4	-0.3	No change	=====	40-59	19.4	8.4	-56.7	Better
Education	Male	1999-2002	18.6	2015-2018	17.7	-0.1	No change	=====	=====	=====	=====	=====	=====
	Female	1999-2002	18.5	2015-2018	12.1	-1.1	No change	=====	Male	17.7	12.1	-31.6	Better
Education	Some college	1999-2002	15.5	2015-2018	12.9	-0.3	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	1999-2002	21.1	2015-2018	17.6	-1.0	No change	=====	Some college	12.9	17.6	36.4	Same
	High school graduate	1999-2002	22.0	2015-2018	18.9	0.4	No change	=====			18.9	46.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.38. Measure: Adults age 40 and over with diagnosed diabetes with blood pressure less than 130/80 mm Hg

Source: National Health and Nutrition Examination Survey

Benchmark was not available.

Disparity Year: 2017-March 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2001-2004	44.7	2017-2020	46.6	-0.4	No change	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2001-2004	50.2	2017-2020	48.3	-0.1	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2009-2012	49.8	2017-2020	49.1	-----	-----	=====	Non-Hispanic, White	48.3	49.1	-1.5	Same
	Non-Hispanic, all races	2009-2012	54.6	2017-2020	46.1	-----	-----	=====			46.1	4.3	Same
	Non-Hispanic, Asian	2013-2016	59.5	2017-2020	55.7	-----	-----	=====			55.7	-14.3	Same
	Non-Hispanic, Black	2001-2004	35.6	2017-2020	33.5	0.3	No change	=====			33.5	28.6	Worse
Income	400% of PG or more	2001-2004	57.0	2017-2020	56.6	-0.6	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2001-2004	49.1	2017-2020	39.8	0.9	No change	=====	400% of PG or more	56.6	39.8	38.7	Worse
	100-199% of PG	2001-2004	34.5	2017-2020	45.1	-1.3	No change	=====			45.1	26.5	Same
	200-399% of PG	2001-2004	40.5	2017-2020	37.6	0.2	No change	=====			37.6	43.8	Worse
Health insurance	Any private	2005-2008	52.6	2017-2020	49.0	0.7	No change	=====	=====	=====	=====	=====	=====
	Insured	2005-2008	52.2	2017-2020	47.3	1.0	No change	=====	Any private	49.0	47.3	3.3	Same
	Public only	2005-2008	50.4	2017-2020	44.4	1.5	No change	=====			44.4	9.0	Same
	Uninsured	2005-2008	57.6	2017-2020	56.3	-0.1	No change	=====			56.3	-14.3	Same
Gender	Male	2001-2004	46.9	2017-2020	50.5	-0.4	No change	=====	=====	=====	=====	=====	=====
	Female	2001-2004	42.7	2017-2020	41.6	-0.3	No change	=====	Male	50.5	41.6	18.0	Same
Education	Some college	2001-2004	46.2	2017-2020	51.6	-0.6	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2001-2004	43.8	2017-2020	42.9	-0.3	No change	=====	Some college	51.6	42.9	18.0	Same
	High school graduate	2001-2004	44.4	2017-2020	40.1	0.2	No change	=====			40.1	23.8	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.39. Measure: Adjusted incident rates of end stage renal disease due to diabetes per million population

Source: U.S. Renal Data System

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per million.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2001	177.8	2019	179.6	-0.2	No change	=====	=====	=====	=====	=====	=====
Race	White	2001	133.3	2019	150.9	0.5	No change	=====	=====	=====	=====	=====	=====
	AI/AN	2001	526.0	2019	285.1	-3.7	Improving	=====	White	150.9	285.1	88.9	Worse
	API	2001	210.3	2019	232.9	0.6	No change	=====			232.9	54.3	Worse
Ethnicity	Black	2001	525.7	2019	380.4	-2.1	Improving	=====			380.4	152.1	Worse
	Non-Hispanic, White	2001	114.5	2019	138.2	0.8	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2001	410.0	2019	301.5	-2.2	Improving	=====	Non-Hispanic, White	138.2	301.5	118.2	Worse
Age	Non-Hispanic, all races	2001	164.3	2019	165.1	-0.1	No change	=====			165.1	19.5	Worse
	Non-Hispanic, Black	2001	532.6	2019	437.5	-1.6	Improving	=====			437.5	216.6	Worse
	18-44	2001	33.6	2019	45.5	1.7	Worsening	=====	=====	=====	=====	=====	=====
Gender	45-64	2001	342.9	2019	307.2	-0.9	No change	=====	18-44	45.5	307.2	575.2	Worse
	65-74	2001	746.5	2019	602.6	-1.3	Improving	=====			602.6	1224.4	Worse
	75 and over	2001	614.1	2019	615.4	-0.3	No change	=====			615.4	1252.5	Worse
Gender	Male	2001	194.2	2019	222.7	0.4	No change	=====	=====	=====	=====	=====	=====
	Female	2001	163.8	2019	142.9	-1.0	Improving	=====	Male	222.7	142.9	-35.8	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.40. Measure: Kidney failure due to diabetes among people with diabetes
 Source: U.S. Renal Data System
 Benchmark was not available.
 Disparity Year: 2019
 Note: Lower estimates are better for this measure. The unit of measurement is rate per million.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2014	2282.1	2019	2396.6	1.1	No change	=====	=====	=====	=====	=====	=====
Race	White	2014	2033.4	2019	2261.5	2.1	Worsening	=====	=====	=====	=====	=====	=====
	AI/AN	2014	1728.9	2019	2486.2	6.4	Worsening	=====	White	2261.5	2486.2	9.9	Same
	API	2014	2854.4	2019	2050.8	-6.7	Improving	=====			2050.8	-9.3	Same
Ethnicity	Black	2014	3531.3	2019	3625.6	0.6	No change	=====			3625.6	60.3	Worse
	Non-Hispanic, White	2014	1840.9	2019	2039.7	2.2	Worsening	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2014	2666.4	2019	2831.9	0.8	No change	=====	Non-Hispanic, White	2039.7	2831.9	38.8	Worse
	Non-Hispanic, all races	2014	2209.6	2019	2374.3	1.5	Worsening	=====			2374.3	16.4	Worse
Age	Non-Hispanic, Black	2014	3737.9	2019	3823.6	0.6	No change	=====			3823.6	87.5	Worse
	18-44	2014	1699.6	2019	1553.9	-2.2	Improving	=====	=====	=====	=====	=====	=====
	45-64	2014	2122.2	2019	2482.9	3.2	Worsening	=====	18-44	1553.9	2482.9	59.8	Worse
	65-74	2014	2535.0	2019	2780.5	2.2	Worsening	=====			2780.5	78.9	Worse
Gender	75 and over	2014	2397.7	2019	2589.7	1.6	No change	=====			2589.7	66.7	Worse
	Male	2014	2593.5	2019	2779.6	1.3	Worsening	=====	=====	=====	=====	=====	=====
	Female	2014	1966.5	2019	2117.0	1.5	Worsening	=====	Male	2779.6	2117.0	-23.8	Better

----- : Data were not available for the analysis.
 ===== : Not applicable.
 More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Effectiveness of Care
Section: HIV/AIDS

Appendix Table 3.41. Measure: New AIDS cases per 100,000 population age 13 and over

Source: National HIV Surveillance System

Benchmark was 2.3 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	16.6	2020	5.1	-5.9	Improving	5 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2000	6.3	2020	2.0	-5.8	Improving	Reached	=====	=====	=====	=====	=====
	Hispanic, all races	2000	29.5	2020	7.2	-6.9	Improving	4 years	Non-Hispanic, White	2.0	7.2	260.0	Worse
	Non-Hispanic, AI/AN	2000	7.9	2020	3.9	-3.9	Improving	8 years			3.9	95.0	Worse
	Non-Hispanic, Asian	2003	3.1	2020	1.6	-3.8	Improving	Reached			1.6	-20.0	Better
	Non-Hispanic, NHPI	2003	11.3	2011	7.3	-4.7	Improving	11 years			-----	-----	-----
	Non-Hispanic, Black	2000	67.1	2020	18.6	-6.3	Improving	6 years			18.6	830.0	Worse
	Non-Hispanic, multiple races	2003	77.4	2020	12.9	-11.1	Improving	2 years			12.9	545.0	Worse
Age	35-44	2000	35.2	2020	8.1	-7.7	Improving	4 years	=====	=====	=====	=====	=====
	13-24	2000	3.5	2020	1.8	-2.7	Improving	Reached	35-44	8.1	1.8	-77.8	Better
	25-34	2000	24.4	2020	8.7	-4.8	Improving	9 years			8.7	7.4	Same
	45-54	2000	21.0	2020	7.3	-5.3	Improving	7 years			7.3	-9.9	Same
	55 and over	2000	5.0	2020	3.0	-2.6	Improving	7 years			3.0	-63.0	Better
Gender	Male	2000	25.3	2020	8.1	-5.6	Improving	6 years	=====	=====	=====	=====	=====
	Female	2000	8.5	2020	2.3	-6.6	Improving	0 years	Male	8.1	2.3	-71.6	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.42. Measure: New HIV cases per 100,000 population age 13 and over
 Source: National HIV Surveillance System
 Benchmark was 4.2 in 2015.
 Disparity Year: 2019
 Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2008	18.8	2020	10.9	-3.3	Improving	14 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2008	7.3	2020	4.6	-2.9	Improving	2 years	=====	=====	=====	=====	=====
	Hispanic, all races	2008	29.6	2020	16.7	-2.9	Improving	18 years	Non-Hispanic, White	4.6	16.7	263.0	Worse
	Non-Hispanic, AI/AN	2008	7.8	2020	9.9	3.0	Worsening	No progress			9.9	115.2	Worse
	Non-Hispanic, Asian	2008	5.9	2020	3.8	-1.6	No change	No progress			3.8	-17.4	Better
	Non-Hispanic, NHPI	2008	13.1	2020	13.0	0.1	No change	No progress			13.0	182.6	Worse
	Non-Hispanic, Black	2008	70.9	2020	37.4	-4.1	Improving	15 years			37.4	713.0	Worse
	Non-Hispanic, multiple races	2008	85.5	2020	15.8	-12.7	Improving	2 years			15.8	243.5	Worse
Age	35-44	2008	29.8	2020	14.1	-4.9	Improving	9 years	=====	=====	=====	=====	=====
	13-24	2008	16.7	2020	11.9	-1.9	Improving	More than 20 years	35-44	14.1	11.9	-15.6	Better
	25-34	2008	30.5	2020	24.4	-0.4	No change	No progress			24.4	73.0	Worse
	45-54	2008	21.2	2020	9.7	-5.3	Improving	7 years			9.7	-31.2	Better
	55 and over	2008	5.7	2020	3.2	-3.6	Improving	Reached			3.2	-77.3	Better
Gender	Male	2008	29.2	2020	18.3	-2.8	Improving	More than 20 years	=====	=====	=====	=====	=====
	Female	2008	8.8	2020	3.8	-5.3	Improving	Reached	Male	18.3	3.8	-79.2	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.43. Measure: People age 13 and over living with HIV who know their serostatus

Source: National HIV Surveillance System

Benchmark was 90.2 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2010	82.3	2019	86.7	-3.1	Improving	7 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2010	85.8	2019	89.2	-3.0	Improving	3 years	=====	=====	=====	=====	=====
	Hispanic, all races	2010	79.2	2019	83.6	-2.6	Improving	13 years	Non-Hispanic, White	89.2	83.6	51.9	Worse
	Non-Hispanic, AI/AN	2010	72.6	2019	79.5	-3.6	Improving	12 years			79.5	89.8	Worse
	Non-Hispanic, Asian	2010	68.1	2019	86.6	-9.5	Improving	2 years			86.6	24.1	Worse
	Non-Hispanic, NHPI	2010	69.8	2019	83.6	-5.9	Improving	5 years			83.6	51.9	Worse
	Non-Hispanic, Black	2010	81.6	2019	86.6	-3.4	Improving	7 years			86.6	24.1	Worse
	Non-Hispanic, multiple races	2010	85.1	2019	88.9	-3.3	Improving	3 years			88.9	2.8	Same
	Age	35-44	2010	85.9	2019	84.6	1.1	Worsening	No progress	=====	=====	=====	=====
	13-24	2010	34.9	2019	55.7	-3.9	Improving	16 years	35-44	84.6	55.7	187.7	Worse
	25-34	2010	71.9	2019	71.5	0.3	No change	No progress			71.5	85.1	Worse
	45-54	2010	91.3	2019	92.4	-1.5	Improving	Reached			92.4	-50.6	Better
	55 and over	2010	93.0	2019	95.4	-4.5	Improving	Reached			95.4	-70.1	Better
Gender	Male	2010	81.2	2019	85.8	-3.1	Improving	9 years	=====	=====	=====	=====	=====
	Female	2010	85.9	2019	89.8	-3.5	Improving	1 year	Male	85.8	89.8	-28.2	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.44. Measure: People age 13 and over living with diagnosed HIV who had at least two CD4 or viral load tests performed at least 3 months apart during the last year, among reporting jurisdictions

Source: National HIV Surveillance System

Benchmark was 87.8 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2017	75.3	2020	74.1	1.3	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2017	79.1	2020	77.5	2.0	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2017	72.8	2020	71.4	1.1	No change	No progress	Non-Hispanic, White	77.5	71.4	27.1	Worse
	Non-Hispanic, AI/AN	2017	75.5	2020	73.9	1.2	No change	No progress			73.9	16.0	Worse
	Non-Hispanic, Asian	2017	75.0	2020	73.1	2.0	No change	No progress			73.1	19.6	Worse
	Non-Hispanic, NHPI	2017	75.1	2020	71.2	4.7	Worsening	No progress			71.2	28.0	Worse
	Non-Hispanic, Black	2017	72.9	2020	72.1	0.9	No change	No progress			72.1	24.0	Worse
	Non-Hispanic, multiple races	2017	85.8	2020	84.0	3.8	No change	No progress			84.0	-28.9	Better
Age	35-44	2017	74.4	2020	73.5	0.8	No change	No progress	=====	=====	=====	=====	=====
	13-24	2017	77.2	2020	78.1	-1.7	No change	No progress	35-44	73.5	78.1	-17.4	Better
	25-34	2017	75.6	2020	75.5	-0.3	No change	No progress			75.5	-7.5	Same
	45-54	2017	76.3	2020	74.4	2.3	No change	No progress			74.4	-3.4	Same
	55 and over	2017	74.6	2020	73.2	1.6	No change	No progress			73.2	1.1	Same
Gender	Male	2017	75.4	2020	74.2	1.3	No change	No progress	=====	=====	=====	=====	=====
	Female	2017	75.2	2020	73.6	1.8	No change	No progress	Male	74.2	73.6	2.3	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.45. Measure: People age 13 and over living with diagnosed HIV whose most recent viral load in the last 12 months was under 200 copies/mL

Source: National HIV Surveillance System

Benchmark was 76.1 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2017	63.1	2020	64.6	-1.5	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2017	70.0	2020	70.2	-0.4	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2017	62.5	2020	63.2	-0.8	No change	No progress	Non-Hispanic, White	70.2	63.2	23.5	Worse
	Non-Hispanic, AI/AN	2017	63.0	2020	61.7	1.4	No change	No progress			61.7	28.5	Worse
	Non-Hispanic, Asian	2017	68.7	2020	68.1	0.4	No change	No progress			68.1	7.0	Same
	Non-Hispanic, NHPI	2017	65.6	2020	64.5	1.1	Worsening	No progress			64.5	19.1	Worse
	Non-Hispanic, Black	2017	57.7	2020	60.4	-2.2	No change	No progress			60.4	32.9	Worse
	Non-Hispanic, multiple races	2017	70.0	2020	72.2	-2.5	No change	No progress			72.2	-6.7	Same
Age	35-44	2017	60.6	2020	62.4	-1.6	No change	No progress	=====	=====	=====	=====	=====
	13-24	2017	57.1	2020	63.5	-5.5	Improving	6 years	35-44	62.4	63.5	-2.9	Same
	25-34	2017	58.5	2020	62.0	-3.1	No change	No progress			62.0	1.1	Same
	45-54	2017	65.1	2020	65.5	-0.5	No change	No progress			65.5	-8.2	Same
	55 and over	2017	65.9	2020	66.3	-0.4	No change	No progress			66.3	-10.4	Better
Gender	Male	2017	63.8	2020	65.0	-1.2	No change	No progress	=====	=====	=====	=====	=====
	Female	2017	61.1	2020	63.2	-1.9	No change	No progress	Male	65.0	63.2	5.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.46. Measure: HIV infection deaths per 100,000 population
 Source: National Vital Statistics System - Mortality
 Benchmark was 0.8 in 2015.
 Disparity Year: 2020
 Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	5.2	2020	1.4	-7.1	Improving	3 years	=====	=====	=====	=====	=====
Race	White	2018	0.9	2020	0.8	-----	-----	-----	=====	=====	=====	=====	=====
	AI/AN	2018	1.1	2020	1.0	-----	-----	-----	White	0.8	1.0	25.0	Same
	Asian	2018	0.3	2020	0.2	-----	-----	-----			0.2	-75.0	Better
	Black	2018	6.2	2020	5.8	-----	-----	-----			5.8	625.0	Worse
Ethnicity	Non-Hispanic, White	2018	0.7	2020	0.7	-----	-----	-----	=====	=====	=====	=====	=====
	Hispanic, all races	2018	1.4	2020	1.3	-----	-----	-----	Non-Hispanic, White	0.7	1.3	85.7	Worse
	Non-Hispanic, all races	2018	1.5	2020	1.4	-----	-----	-----			1.4	100.0	Worse
	Non-Hispanic, Black	2018	6.5	2020	6.0	-----	-----	-----			6.0	757.1	Worse
Metropolitan status	Large fringe metro	2013	1.4	2020	1.0	-4.9	Improving	4 years	=====	=====	=====	=====	=====
	Metropolitan	2013	2.3	2020	1.5	-6.3	Improving	6 years	Large fringe metro	1.0	1.5	50.0	Worse
	Large central metro	2013	3.6	2020	2.1	-8.1	Improving	6 years			2.1	110.0	Worse
	Medium metro	2013	1.8	2020	1.2	-5.9	Improving	5 years			1.2	20.0	Worse
	Small metro	2013	1.4	2020	1.2	-3.2	Improving	No progress			1.2	20.0	Worse
	Micropolitan	2013	1.4	2020	1.0	-5.5	Improving	4 years			1.0	0.0	Same
	Noncore	2013	1.2	2020	1.0	-4.4	Improving	5 years			1.0	0.0	Same
Age	18-44	2000	7.6	2020	1.1	-10.7	Improving	1 year	=====	=====	=====	=====	=====
	0-17	2000	0.1	2006	0.1	0.0	No change	Reached	18-44	1.1	-----	-----	-----
	45-64	2000	8.7	2020	3.3	-5.2	Improving	8 years			3.3	200.0	Worse
	65 and over	2000	1.4	2020	2.0	1.7	Worsening	No progress			2.0	81.8	Worse
Gender	Male	2000	7.9	2020	2.1	-7.1	Improving	4 years	=====	=====	=====	=====	=====
	Female	2000	2.5	2020	0.7	-7.1	Improving	Reached	Male	2.1	0.7	-66.7	Better

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Effectiveness of Care
Section: Mental Health and Substance Use Disorder

Appendix Table 3.47. Measure: Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months

Source: National Survey on Drug Use and Health

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2008	68.3	2020	66.0	-----	-----	=====					
Race	White	2008	70.4	2020	66.9	-----	-----	=====					
	Asian	2017	41.4	2019	51.6	-----	-----	=====	White	66.9	-----	-----	-----
	Black	2008	56.0	2019	59.3	-----	-----	=====			-----	-----	-----
	Multiple races	2010	68.7	2019	58.7	-----	-----	=====			-----	-----	-----
Ethnicity	Non-Hispanic, White	2008	71.8	2020	69.8	-----	-----	=====					
	Hispanic, all races	2008	57.4	2020	50.2	-----	-----	=====	Non-Hispanic, White	69.8	50.2	64.9	Worse
	Non-Hispanic, all races	2008	69.4	2020	68.5	-----	-----	=====			68.5	4.3	Same
	Non-Hispanic, Black	2008	56.1	2019	59.6	-----	-----	=====			-----	-----	-----
Income	400% of PG or more	2008	73.3	2020	69.3	-----	-----	=====					
	Less than 100% of PG	2008	65.5	2020	64.4	-----	-----	=====	400% of PG or more	69.3	64.4	16.0	Same
	100-199% of PG	2008	69.0	2020	63.0	-----	-----	=====			63.0	20.5	Same
	200-399% of PG	2008	65.1	2020	66.3	-----	-----	=====			66.3	9.8	Same
Metropolitan status	Large fringe metro	2009	61.0	2020	67.6	-----	-----	=====					
	Metropolitan	2009	63.7	2020	66.4	-----	-----	=====	Large fringe metro	67.6	66.4	3.7	Same
	Large central metro	2009	60.2	2020	63.3	-----	-----	=====			63.3	13.3	Same
	Medium metro	2009	68.5	2020	71.8	-----	-----	=====			71.8	-13.0	Same
	Small metro	2009	70.4	2020	61.4	-----	-----	=====			61.4	19.1	Same
	Nonmetropolitan	2009	67.8	2020	63.3	-----	-----	=====			63.3	13.3	Same
	Micropolitan	2009	69.3	2020	58.3	-----	-----	=====			58.3	28.7	Same
	Noncore	2009	64.9	2019	65.6	-----	-----	=====			-----	-----	-----

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2008	60.4	2020	60.4	-----	-----	=====					
	45-64	2008	80.0	2020	74.4	-----	-----	=====	18-44	60.4	74.4	-35.4	Better
	65 and over	2014	84.6	2019	72.5	-----	-----	=====					
Gender	Male	2008	60.9	2020	56.4	-----	-----	=====					
	Female	2008	72.1	2020	71.2	-----	-----	=====	Male	56.4	71.2	-33.9	Better
Education	Some college	2008	70.4	2020	69.5	-----	-----	=====					
	Less than high school graduate	2008	64.9	2019	67.7	-----	-----	=====	Some college	69.5			
	High school graduate	2008	66.2	2020	61.9	-----	-----	=====			61.9	24.9	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.48. Measure: Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months

Source: National Survey on Drug Use and Health

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2008	37.7	2020	41.6	-----	-----	=====					
Race	White	2008	40.8	2020	45.7	-----	-----	=====					
	AI/AN	2019	41.3	2019	41.3	-----	-----	=====	White	45.7	-----	-----	-----
	Asian	2019	20.7	2019	20.7	-----	-----	=====					
	Black	2008	31.8	2019	35.3	-----	-----	=====					
	Multiple races	2015	47.4	2019	46.1	-----	-----	=====					
Ethnicity	Non-Hispanic, White	2008	43.1	2020	49.1	-----	-----	=====					
	Hispanic, all races	2008	30.3	2020	37.0	-----	-----	=====	Non-Hispanic, White	49.1	37.0	23.8	Worse
	Non-Hispanic, all races	2008	39.3	2020	43.1	-----	-----	=====			43.1	11.8	Same
	Non-Hispanic, Black	2008	32.6	2019	35.6	-----	-----	=====					
Income	400% of PG or more	2008	39.1	2020	48.1	-----	-----	=====					
	Less than 100% of PG	2008	40.0	2019	42.6	-----	-----	=====	400% of PG or more	48.1	-----	-----	-----
	100-199% of PG	2008	38.8	2020	32.4	-----	-----	=====			32.4	30.3	Worse
	200-399% of PG	2008	34.3	2020	43.0	-----	-----	=====			43.0	9.8	Same
Metropolitan status	Large fringe metro	2009	34.1	2020	43.8	-----	-----	=====					
	Metropolitan	2009	34.4	2020	41.7	-----	-----	=====	Large fringe metro	43.8	41.7	3.7	Same
	Large central metro	2009	32.4	2020	38.0	-----	-----	=====			38.0	10.3	Same
	Medium metro	2009	35.0	2020	43.5	-----	-----	=====			43.5	0.5	Same
	Small metro	2009	39.6	2019	46.2	-----	-----	=====					
	Nonmetropolitan	2009	36.4	2020	41.3	-----	-----	=====			41.3	4.4	Same
	Micropolitan	2009	35.6	2019	43.5	-----	-----	=====					
Noncore	2009	37.6	2019	48.1	-----	-----	=====						

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	12-13	2008	33.5	2019	37.5	-----	-----	=====	=====	=====	=====	=====	=====
	14-15	2008	33.6	2020	41.5	-----	-----	=====	12-13	-----	-----	-----	-----
	16-17	2008	42.4	2020	40.0	-----	-----	=====			-----	-----	-----
Gender	Male	2008	33.8	2020	39.7	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2008	39.2	2020	42.4	-----	-----	=====	Male	39.7	42.4	-4.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.49. Measure: Suicide deaths among people age 12 and over per 100,000 population

Source: National Vital Statistics System - Mortality

Benchmark was 9.4 in 2015.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2008	14.0	2020	16.3	1.6	Worsening	No progress	=====	=====	=====	=====	=====
Race	White	2018	19.5	2020	18.3	-----	-----	-----	=====	=====	=====	=====	=====
	AI/AN	2018	16.3	2020	17.4	-----	-----	-----	White	18.3	17.4	-4.9	Same
	Asian	2018	8.0	2020	7.8	-----	-----	-----			7.8	-57.4	Better
	NHPI	2018	11.7	2020	12.4	-----	-----	-----			12.4	-32.2	Better
	Black	2018	8.5	2020	9.0	-----	-----	-----			9.0	-50.8	Better
Ethnicity	Non-Hispanic, White	2018	21.9	2020	20.4	-----	-----	-----	=====	=====	=====	=====	=====
	Hispanic, all races	2018	8.9	2020	9.0	-----	-----	-----	Non-Hispanic, White	20.4	9.0	-55.9	Better
	Non-Hispanic, all races	2018	18.8	2020	17.7	-----	-----	-----			17.7	-13.2	Better
	Non-Hispanic, Black	2018	8.7	2020	9.3	-----	-----	-----			9.3	-54.4	Better
Metropolitan status	Large fringe metro	2013	13.6	2020	15.1	3.7	Worsening	No progress	=====	=====	=====	=====	=====
	Metropolitan	2013	14.3	2020	15.8	11.2	Worsening	No progress	Large fringe metro	15.1	15.8	4.6	Same
	Large central metro	2013	12.5	2020	13.1	3.4	Worsening	No progress			13.1	-13.3	Better
	Medium metro	2013	16.5	2020	18.6	9.6	Worsening	No progress			18.6	23.2	Worse
	Small metro	2013	17.9	2020	21.2	4.1	Worsening	No progress			21.2	40.4	Worse
	Micropolitan	2013	19.4	2020	22.8						22.8	51.0	Worse
						6.5	Worsening	No progress					
	Noncore	2013	21.4	2020	25.9	-18.4	No change	No progress			25.9	10.8	Worse
Age	18-44	2008	13.8	2020	17.6	2.3	Worsening	No progress	=====	=====	=====	=====	=====
	12-17	2008	3.7	2020	6.3	5.6	Worsening	Reached, getting worse	18-44	17.6	6.3	-64.2	Better
	45-64	2008	17.5	2020	17.4	0.5	No change	No progress			17.4	-1.1	Same
	65 and over	2008	14.8	2020	16.4	1.3	Worsening	No progress			16.4	-6.8	Same
Gender	Male	2008	23.0	2020	26.5	1.5	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2008	5.7	2020	6.6	2.0	Worsening	Reached, getting worse	Male	26.5	6.6	-75.1	Better

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.50. Measure: Long-stay nursing home residents with depression symptoms

Source: Minimum Data Set

Benchmark was 1.1 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	6.1	2019	5.7	-3.1	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	6.2	2019	5.6	-3.3	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2013	5.9	2019	4.9	-5.8	Improving	13 years	Non-Hispanic, White	5.6	4.9	-12.3	Better
	Non-Hispanic, AI/AN	2013	4.8	2019	4.4	-3.4	No change	No progress			4.4	-21.0	Better
	Non-Hispanic, Asian	2013	4.6	2019	5.4	-0.4	No change	No progress			5.4	-4.8	Same
	Non-Hispanic, NHPI	2013	4.1	2019	3.7	-3.2	No change	No progress			3.7	-34.9	Better
	Non-Hispanic, Black	2013	6.1	2019	6.5	-1.6	No change	No progress			6.5	16.0	Worse
	Non-Hispanic, multiple races	2013	6.5	2019	3.8	-7.7	Improving	7 years			3.8	-32.4	Better
	Metropolitan status	Metropolitan	2013	6.1	2019	6.0	-2.7	No change	No progress	=====	=====	=====	=====
Nonmetropolitan		2013	6.1	2019	4.8	-4.9	Improving	15 years	Metropolitan	6.0	4.8	-18.8	Better
Age	0-64	2013	7.4	2019	8.2	-0.2	No change	No progress	=====	=====	=====	=====	=====
	65-74	2013	6.7	2019	6.8	-1.7	No change	No progress	0-64	8.2	6.8	-16.8	Better
	75-84	2013	5.9	2019	5.4	-3.8	No change	No progress			5.4	-34.7	Better
	85 and over	2013	5.6	2019	4.3	-6.2	Improving	11 years			4.3	-47.4	Better
Gender	Male	2013	6.2	2019	6.2	-2.0	No change	No progress	=====	=====	=====	=====	=====
	Female	2013	6.1	2019	5.5	-3.8	No change	No progress	Male	6.2	5.5	-12.0	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.51. Measure: Short-stay nursing home patients given antipsychotic medication

Source: Minimum Data Set

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	12.3	2019	12.3	-----	-----	=====					
Ethnicity	Non-Hispanic, White	2019	12.8	2019	12.8	-----	-----	=====					
	Hispanic, all races	2019	12.2	2019	12.2	-----	-----	=====	Non-Hispanic, White	12.8	12.2	-4.7	Same
	Non-Hispanic, AI/AN	2019	11.5	2019	11.5	-----	-----	=====			11.5	-10.2	Same
	Non-Hispanic, Asian	2019	7.5	2019	7.5	-----	-----	=====			7.5	-41.4	Better
	Non-Hispanic, NHPI	2019	10.5	2019	10.5	-----	-----	=====			10.5	-18.0	Same
	Non-Hispanic, Black	2019	10.7	2019	10.7	-----	-----	=====			10.7	-16.4	Better
	Non-Hispanic, multiple races	2019	9.2	2019	9.2	-----	-----	=====			9.2	-28.1	Better
	Metropolitan status	Metropolitan	2019	12.0	2019	12.0	-----	-----	=====				
Nonmetropolitan		2019	13.9	2019	13.9	-----	-----	=====	Metropolitan	12.0	13.9	15.8	Worse
Age	0-64	2019	15.5	2019	15.5	-----	-----	=====					
	65-74	2019	13.2	2019	13.2	-----	-----	=====	0-64	15.5	13.2	-14.8	Better
	75-84	2019	12.7	2019	12.7	-----	-----	=====			12.7	-18.1	Better
	85 and over	2019	10.0	2019	10.0	-----	-----	=====			10.0	-35.5	Better
Gender	Male	2019	12.4	2019	12.4	-----	-----	=====					
	Female	2019	12.3	2019	12.3	-----	-----	=====	Male	12.4	12.3	-0.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.52. Measure: Long-stay nursing home patients given antipsychotic medication

Source: Minimum Data Set

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	13.2	2019	13.2	-----	-----	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2019	14.1	2019	14.1	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2019	12.2	2019	12.2	-----	-----	=====	Non-Hispanic, White	14.1	12.2	-13.5	Better
	Non-Hispanic, AI/AN	2019	14.4	2019	14.4	-----	-----	=====			14.4	2.1	Same
	Non-Hispanic, Asian	2019	6.7	2019	6.7	-----	-----	=====			6.7	-52.5	Better
	Non-Hispanic, NHPI	2019	8.4	2019	8.4	-----	-----	=====			8.4	-40.4	Better
	Non-Hispanic, Black	2019	10.2	2019	10.2	-----	-----	=====			10.2	-27.7	Better
	Non-Hispanic, multiple races	2019	10.6	2019	10.6	-----	-----	=====			10.6	-24.8	Better
Metropolitan status	Metropolitan	2019	12.8	2019	12.8	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2019	14.6	2019	14.6	-----	-----	=====	Metropolitan	12.8	14.6	14.1	Worse
Age	0-64	2019	16.9	2019	16.9	-----	-----	=====	=====	=====	=====	=====	=====
	65-74	2019	15.5	2019	15.5	-----	-----	=====	0-64	16.9	15.5	-8.3	Same
	75-84	2019	14.6	2019	14.6	-----	-----	=====			14.6	-13.6	Better
	85 and over	2019	10.4	2019	10.4	-----	-----	=====			10.4	-38.5	Better
Gender	Male	2019	13.8	2019	13.8	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019	13.0	2019	13.0	-----	-----	=====	Male	13.8	13.0	-5.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.53. Measure: Composite measure: People age 12 and over who needed treatment for illicit drug use or an alcohol problem who received such treatment at a specialty facility in the last 12 months

Source: National Survey on Drug Use and Health

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening Disparities: ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2015	10.8	2020	6.5	-----	-----	=====					
Race	White	2015	10.2	2020	6.8	-----	-----	=====					
	AI/AN	2015	13.1	2017	17.5	-----	-----	=====	White	6.8	-----	-----	-----
	Black	2015	14.0	2020	4.1	-----	-----	=====			4.1	2.9	Same
	Multiple races	2016	9.2	2019	16.1	-----	-----	=====			-----	-----	-----
Ethnicity	Non-Hispanic, White	2015	10.4	2020	7.1	-----	-----	=====					
	Hispanic, all races	2015	9.1	2020	5.2	-----	-----	=====	Non-Hispanic, White	7.1	5.2	2.0	Same
	Non-Hispanic, all races	2015	11.2	2020	6.8	-----	-----	=====			6.8	0.3	Same
	Non-Hispanic, Black	2015	14.4	2020	4.4	-----	-----	=====			4.4	2.9	Same
Income	400% of PG or more	2015	6.3	2020	3.1	-----	-----	=====					
	Less than 100% of PG	2015	17.4	2020	11.8	-----	-----	=====	400% of PG or more	3.1	11.8	-9.0	Same
	100-199% of PG	2015	11.8	2020	7.3	-----	-----	=====			7.3	-4.3	Same
	200-399% of PG	2015	10.6	2020	7.0	-----	-----	=====			7.0	-4.0	Same
Metropolitan status	Large fringe metro	2015	10.0	2020	4.4	-----	-----	=====					
	Metropolitan	2015	10.5	2020	6.5	-----	-----	=====	Large fringe metro	4.4	6.5	-2.2	Same
	Large central metro	2015	9.1	2020	4.5	-----	-----	=====			4.5	-0.1	Same
	Medium metro	2015	13.2	2020	10.9	-----	-----	=====			10.9	-6.8	Same
	Small metro	2015	11.3	2020	8.0	-----	-----	=====			8.0	-3.8	Same
	Nonmetropolitan	2015	12.9	2020	6.7	-----	-----	=====			6.7	-2.4	Same
	Micropolitan	2015	11.7	2020	4.9	-----	-----	=====			4.9	-0.5	Same
	Noncore	2015	15.0	2019	12.4	-----	-----	=====			-----	-----	-----

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2015	10.3	2020	6.5	-----	-----	=====					
	12-17	2015	10.8	2019	6.0	-----	-----	=====	18-44	6.5			
	45-64	2015	13.6	2020	8.1	-----	-----	=====			8.1	-1.7	Same
Gender	Male	2015	11.1	2020	5.8	-----	-----	=====					
	Female	2015	10.4	2020	7.4	-----	-----	=====	Male	5.8	7.4	-1.7	Same
Education	Some college	2015	8.4	2020	5.8	-----	-----	=====					
	Less than high school graduate	2015	12.9	2020	6.2	-----	-----	=====	Some college	5.8	6.2	-0.4	Same
	High school graduate	2015	16.3	2020	9.0	-----	-----	=====			9.0	-3.4	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.54. Measure: People age 12 and over who needed treatment for illicit drug use who received such treatment at a specialty facility in the last 12 months

Source: National Survey on Drug Use and Health

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2015	18.3	2020	9.9	-----	-----	=====					
Race	White	2015	18.4	2020	10.6	-----	-----	=====					
	AI/AN	2016	15.4	2016	15.4	-----	-----	=====	White	10.6	-----	-----	-----
	Black	2015	18.0	2020	6.4	-----	-----	=====			6.4	4.7	Same
	Multiple races	2015	19.5	2019	19.2	-----	-----	=====			-----	-----	-----
Ethnicity	Non-Hispanic, White	2015	18.3	2020	10.8	-----	-----	=====					
	Hispanic, all races	2015	17.6	2020	9.5	-----	-----	=====	Non-Hispanic, White	10.8	9.5	1.5	Same
	Non-Hispanic, all races	2015	18.4	2020	10.0	-----	-----	=====			10.0	0.9	Same
	Non-Hispanic, Black	2015	19.1	2020	7.0	-----	-----	=====			7.0	4.3	Same
Income	400% of PG or more	2015	11.5	2020	3.2	-----	-----	=====					
	Less than 100% of PG	2015	22.0	2020	15.8	-----	-----	=====	400% of PG or more	3.2	15.8	-13.0	Better
	100-199% of PG	2015	19.1	2020	10.4	-----	-----	=====			10.4	-7.4	Same
	200-399% of PG	2015	19.5	2020	10.4	-----	-----	=====			10.4	-7.4	Same
Metropolitan status	Large fringe metro	2015	15.5	2020	5.9	-----	-----	=====					
	Metropolitan	2015	18.1	2020	9.9	-----	-----	=====	Large fringe metro	5.9	9.9	-4.3	Same
	Large central metro	2015	16.1	2020	6.9	-----	-----	=====			6.9	-1.1	Same
	Medium metro	2015	24.2	2020	16.7	-----	-----	=====			16.7	-11.5	Better
	Small metro	2015	19.0	2020	12.1	-----	-----	=====			12.1	-6.6	Same
	Nonmetropolitan	2015	19.3	2020	10.0	-----	-----	=====			10.0	-4.4	Same
	Micropolitan	2015	14.5	2019	25.3	-----	-----	=====			-----	-----	-----
	Noncore	2015	26.8	2019	15.3	-----	-----	=====			-----	-----	-----

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2015	18.1	2020	9.2	-----	-----	=====	=====	=====	=====	=====	=====
	12-17	2015	18.3	2019	5.8	-----	-----	=====	18-44	9.2	-----	-----	-----
	45-64	2015	24.5	2020	15.5	-----	-----	=====			15.5	-6.9	Same
Gender	Male	2015	18.7	2020	7.4	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2015	17.5	2020	13.0	-----	-----	=====	Male	7.4	13.0	-6.0	Same
Education	Some college	2015	16.3	2020	9.0	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2015	19.8	2020	10.0	-----	-----	=====	Some college	9.0	10.0	-1.1	Same
	High school graduate	2015	24.8	2020	13.5	-----	-----	=====			13.5	-4.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.55. Measure: People age 12 and over who needed treatment for an alcohol problem who received such treatment at a specialty facility in the last 12 months

Source: National Survey on Drug Use and Health

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2015	8.2	2020	3.8	-----	-----	=====					
Race	White	2015	7.5	2020	3.6	-----	-----	=====					
	AI/AN	2015	9.7	2015	9.7	-----	-----	=====	White	3.6	-----	-----	-----
	Black	2015	12.9	2020	3.9	-----	-----	=====			3.9	-0.3	Same
	Multiple races	2016	6.9	2017	9.9	-----	-----	=====			-----	-----	-----
Ethnicity	Non-Hispanic, White	2015	7.8	2020	3.7	-----	-----	=====					
	Hispanic, all races	2015	6.5	2019	7.5	-----	-----	=====	Non-Hispanic, White	3.7	-----	-----	-----
	Non-Hispanic, all races	2015	8.6	2020	4.0	-----	-----	=====			4.0	-0.3	Same
	Non-Hispanic, Black	2015	12.9	2019	10.6	-----	-----	=====			-----	-----	-----
Income	400% of PG or more	2015	5.2	2020	3.0	-----	-----	=====					
	Less than 100% of PG	2015	15.1	2020	6.5	-----	-----	=====	400% of PG or more	3.0	6.5	-3.6	Same
	100-199% of PG	2015	8.8	2020	4.0	-----	-----	=====			4.0	-1.0	Same
	200-399% of PG	2015	7.4	2020	3.5	-----	-----	=====			3.5	-0.5	Same
Metropolitan status	Large fringe metro	2015	7.9	2020	3.0	-----	-----	=====					
	Metropolitan	2015	8.0	2020	3.8	-----	-----	=====	Large fringe metro	3.0	3.8	-0.8	Same
	Large central metro	2015	7.4	2020	3.1	-----	-----	=====			3.1	-0.1	Same
	Medium metro	2015	9.0	2020	5.4	-----	-----	=====			5.4	-2.5	Same
	Small metro	2015	8.5	2019	5.8	-----	-----	=====			-----	-----	-----
	Nonmetropolitan	2015	9.9	2019	10.3	-----	-----	=====			-----	-----	-----
	Micropolitan	2015	9.2	2019	10.1	-----	-----	=====			-----	-----	-----
	Noncore	2015	11.1	2019	10.6	-----	-----	=====			-----	-----	-----

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2015	6.8	2020	4.0	-----	-----	=====					
	12-17	2015	5.8	2017	8.4	-----	-----	=====	18-44	4.0	-----	-----	-----
	45-64	2015	12.4	2020	3.7	-----	-----	=====			3.7	0.3	Same
Gender	Male	2015	8.7	2020	4.6	-----	-----	=====					
	Female	2015	7.4	2020	2.8	-----	-----	=====	Male	4.6	2.8	1.9	Same
Education	Some college	2015	6.5	2020	3.3	-----	-----	=====					
	Less than high school graduate	2016	12.1	2019	13.8	-----	-----	=====	Some college	3.3	-----	-----	-----
	High school graduate	2015	12.3	2020	5.2	-----	-----	=====			5.2	-2.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.56. Measure: People age 12 and over treated for substance use disorder who completed treatment course

Source: Treatment Episode Data Set: Discharges

Benchmark was 65.2 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2005	41.3	2019	42.1	0.5	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2005	45.6	2019	40.5	1.0	Worsening	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2005	44.1	2019	43.2	0.3	No change	No progress	Non-Hispanic, White	40.5	43.2	-4.5	Same
	Non-Hispanic, Asian	2018	47.1	2019	44.0	-----	-----	No Benchmark			44.0	-5.9	Same
	Non-Hispanic, NHPI	2018	35.3	2019	36.2	-----	-----	No Benchmark			36.2	7.2	Same
	Non-Hispanic, Black	2005	39.0	2019	38.4	0.3	No change	No progress			38.4	3.5	Same
Age	21-39	2015	40.9	2019	39.6	0.6	No change	No progress	=====	=====	=====	=====	=====
	12-20	2005	39.6	2019	38.7	0.4	No change	No progress	21-39	39.6	38.7	1.5	Same
	40 and over	2015	48.7	2019	46.4	1.2	No change	No progress			46.4	-11.3	Better
Gender	Male	2005	46.3	2019	44.1	0.6	No change	No progress	=====	=====	=====	=====	=====
	Female	2005	38.7	2019	38.6	0.5	No change	No progress	Male	44.1	38.6	9.8	Same
Education	Some college	2005	49.0	2019	39.9	1.4	Worsening	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2005	40.4	2019	34.2	0.8	No change	No progress	Some college	39.9	34.2	9.5	Same
	High school graduate	2005	45.3	2019	37.8	1.0	Worsening	No progress			37.8	3.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.57. Measure: Adults who filled an outpatient opioid prescription in the calendar year

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	15.3	2019	9.5	-8.5	Improving	=====	=====	=====	=====	=====	=====
Race	White	2013	15.8	2019	9.9	-8.3	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2013	23.2	2019	10.6	-11.8	Improving	=====	White	9.9	10.6	7.1	Same
	Asian	2013	5.7	2019	3.8	-8.9	Improving	=====			3.8	-61.6	Better
	Black	2013	15.6	2019	9.4	-9.2	Improving	=====			9.4	-5.1	Same
	Multiple races	2013	19.0	2019	12.8	-8.3	Improving	=====			12.8	29.3	Same
Ethnicity	Non-Hispanic, White	2013	17.1	2019	11.1	-7.8	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2013	9.9	2019	5.4	-11.1	Improving	=====	Non-Hispanic, White	11.1	5.4	-51.4	Better
	Non-Hispanic, all races	2013	16.2	2019	10.4	-8.0	Improving	=====			10.4	-6.3	Same
	Non-Hispanic, Asian	2013	5.7	2019	3.8	-8.8	Improving	=====			3.8	-65.8	Better
	Non-Hispanic, Black	2013	15.8	2019	9.5	-9.1	Improving	=====			9.5	-14.4	Better
	Non-Hispanic, others	2013	19.9	2019	12.6	-8.3	Improving	=====			12.6	13.5	Same
Income	400% of PG or more	2013	13.3	2019	8.3	-8.9	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2013	21.4	2019	12.6	-9.1	Improving	=====	400% of PG or more	8.3	12.6	51.8	Worse
	100-199% of PG	2013	17.2	2019	11.2	-7.7	Improving	=====			11.2	34.9	Worse
	200-399% of PG	2013	14.1	2019	9.4	-7.1	Improving	=====			9.4	13.3	Same
Health insurance	Any private	2013	13.4	2019	7.4	-10.4	Improving	=====	=====	=====	=====	=====	=====
	Public only	2013	27.0	2019	14.2	-10.9	Improving	=====	Any private	7.4	14.2	91.9	Worse
	Uninsured	2013	8.8	2019	2.4	-17.4	Improving	=====			2.4	-67.6	Better
Metropolitan status	Large fringe metro	2013	15.0	2019	8.5	-10.0	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2013	14.8	2019	9.1	-8.8	Improving	=====	Large fringe metro	8.5	9.1	7.1	Same
	Large central metro	2013	12.2	2019	7.3	-8.9	Improving	=====			7.3	-14.1	Same
	Medium metro	2013	17.1	2019	12.2	-7.0	Improving	=====			12.2	43.5	Worse
	Small metro	2013	17.3	2019	10.9	-8.1	Improving	=====			10.9	28.2	Worse
	Nonmetropolitan	2013	17.8	2019	12.5	-6.1	Improving	=====			12.5	47.1	Worse
	Micropolitan	2013	17.2	2019	11.4	-7.1	Improving	=====			11.4	34.1	Worse
Noncore	2013	19.0	2019	14.1	-5.1	Improving	=====			14.1	65.9	Worse	

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2013	11.6	2019	5.7	-12.1	Improving	=====	=====	=====	=====	=====	=====
	45-64	2013	17.7	2019	11.2	-8.3	Improving	=====	18-44	5.7	11.2	96.5	Worse
	65 and over	2013	19.9	2019	15.0	-5.6	Improving	=====			15.0	163.2	Worse
Disability status	Without disability	2013	11.2	2019	6.9	-9.0	Improving	=====	=====	=====	=====	=====	=====
	With disability	2013	31.3	2019	22.2	-5.8	Improving	=====	Without disability	6.9	22.2	221.7	Worse
Gender	Male	2013	13.1	2019	7.8	-9.4	Improving	=====	=====	=====	=====	=====	=====
	Female	2013	17.3	2019	11.2	-7.8	Improving	=====	Male	7.8	11.2	43.6	Worse
Education	Some college	2013	14.6	2019	9.2	-8.4	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2013	15.5	2019	10.4	-7.4	Improving	=====	Some college	9.2	10.4	13.0	Same
	High school graduate	2013	16.8	2019	10.0	-9.1	Improving	=====			10.0	8.7	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.58. Measure: Adults who filled four or more outpatient opioid prescriptions in the calendar year

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	4.6	2019	2.8	-7.6	Improving	=====	=====	=====	=====	=====	=====
Race	White	2013	4.8	2019	2.8	-7.9	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2016	8.6	2016	8.6	-----	-----	=====	White	2.8	-----	-----	-----
	Asian	2013	1.1	2013	1.1	-----	-----	=====			-----	-----	-----
	Black	2013	4.7	2019	3.2	-6.9	Improving	=====			3.2	13.2	Same
	Multiple races	2013	8.0	2019	5.3	-5.2	No change	=====			5.3	87.2	Worse
Ethnicity	Non-Hispanic, White	2013	5.3	2019	3.2	-7.7	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2013	2.3	2019	1.2	-8.6	Improving	=====	Non-Hispanic, White	3.2	1.2	-63.8	Better
	Non-Hispanic, all races	2013	5.1	2019	3.1	-7.5	Improving	=====			3.1	-4.0	Same
	Non-Hispanic, Asian	2013	1.1	2013	1.1	-----	-----	=====			-----	-----	-----
	Non-Hispanic, Black	2013	4.8	2019	3.2	-6.7	Improving	=====			3.2	0.0	Same
	Non-Hispanic, others	2013	7.8	2019	5.6	-2.2	No change	=====			5.6	71.8	Worse
Income	400% of PG or more	2013	3.1	2019	1.7	-8.8	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2013	8.7	2019	6.0	-6.1	Improving	=====	400% of PG or more	1.7	6.0	256.3	Worse
	100-199% of PG	2013	6.4	2019	3.9	-7.0	Improving	=====			3.9	132.9	Worse
	200-399% of PG	2013	3.8	2019	2.7	-5.3	Improving	=====			2.7	63.5	Worse
Health insurance	Any private	2013	2.7	2019	1.3	-10.2	Improving	=====	=====	=====	=====	=====	=====
	Public only	2013	12.9	2019	6.4	-9.4	Improving	=====	Any private	1.3	6.4	379.9	Worse
	Uninsured	2013	2.7	2018	1.1	-13.8	Improving	=====			-----	-----	-----
Metropolitan status	Large fringe metro	2013	4.4	2019	2.3	-9.0	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2013	4.2	2019	2.5	-7.6	Improving	=====	Large fringe metro	2.3	2.5	8.7	Same
	Large central metro	2013	2.9	2019	1.9	-5.9	Improving	=====			1.9	-17.8	Same
	Medium metro	2013	5.4	2019	3.5	-6.0	Improving	=====			3.5	53.5	Worse
	Small metro	2013	5.2	2019	3.1	-8.6	Improving	=====			3.1	34.3	Same
	Nonmetropolitan	2013	6.8	2019	4.7	-6.2	Improving	=====			4.7	102.6	Worse
	Micropolitan	2013	6.2	2019	3.8	-9.2	Improving	=====			3.8	63.0	Worse
	Noncore	2013	8.0	2019	6.1	-3.2	No change	=====			6.1	163.9	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2013	2.0	2019	0.9	-10.8	Improving	=====	=====	=====	=====	=====	=====
	45-64	2013	6.6	2019	3.7	-8.0	Improving	=====	18-44	0.9	3.7	325.0	Worse
	65 and over	2013	7.6	2019	5.3	-6.5	Improving	=====			5.3	506.8	Worse
Disability status	Without disability	2013	1.9	2019	1.1	-6.9	Improving	=====	=====	=====	=====	=====	=====
	With disability	2013	15.6	2019	10.8	-5.8	Improving	=====	Without disability	1.1	10.8	862.5	Worse
Gender	Male	2013	3.9	2019	2.2	-9.3	Improving	=====	=====	=====	=====	=====	=====
	Female	2013	5.3	2019	3.3	-6.5	Improving	=====	Male	2.2	3.3	50.2	Worse
Education	Some college	2013	3.8	2019	2.1	-8.3	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2013	5.8	2019	4.2	-5.8	Improving	=====	Some college	2.1	4.2	97.6	Worse
	High school graduate	2013	5.9	2019	3.6	-7.6	Improving	=====			3.6	70.0	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.59. Measure: People age 12 and over with opioid (either prescription opioid or heroin) use disorder in the past year

Source: National Survey on Drug Use and Health

Benchmark was 0.3 in 2016.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	0.8	2020	1.0	-----	-----	-----	=====	=====	=====	=====	=====
Race	White	2016	0.8	2020	0.9	-----	-----	-----	=====	=====	=====	=====	=====
	AI/AN	2016	0.9	2020	3.6	-----	-----	-----	White	0.9	3.6	300.0	Worse
	Asian	2020	0.8	2020	0.8	-----	-----	-----			0.8	-11.1	Same
	NHPI	2020	0.1	2020	0.1	-----	-----	-----			0.1	-88.9	Better
	Black	2016	0.8	2020	1.0	-----	-----	-----			1.0	11.1	Same
	Multiple races	2016	1.2	2020	1.3	-----	-----	-----			1.3	44.4	Same
	Ethnicity	Non-Hispanic, White	2016	0.9	2020	1.0	-----	-----	-----	=====	=====	=====	=====
Hispanic, all races		2016	0.6	2020	0.7	-----	-----	-----	Non-Hispanic, White	1.0	0.7	-30.0	Same
Non-Hispanic, all races		2016	0.8	2020	1.0	-----	-----	-----			1.0	0.0	Same
Non-Hispanic, Black		2016	0.8	2020	1.1	-----	-----	-----			1.1	10.0	Same
Income	400% of PG or more	2016	0.5	2020	0.5	-----	-----	-----	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	1.4	2020	2.0	-----	-----	-----	400% of PG or more	0.5	2.0	300.0	Worse
	100-199% of PG	2016	1.1	2020	1.3	-----	-----	-----			1.3	160.0	Worse
	200-399% of PG	2016	0.7	2020	0.9	-----	-----	-----			0.9	80.0	Same
Metropolitan status	Large fringe metro	2016	0.8	2020	0.8	-----	-----	-----	=====	=====	=====	=====	=====
	Metropolitan	2016	0.8	2020	1.0	-----	-----	-----	Large fringe metro	0.8	1.0	25.0	Same
	Large central metro	2016	0.8	2020	0.8	-----	-----	-----			0.8	0.0	Same
	Medium metro	2016	0.9	2020	1.2	-----	-----	-----			1.2	50.0	Same
	Small metro	2016	0.8	2020	1.3	-----	-----	-----			1.3	62.5	Same
	Nonmetropolitan	2016	0.8	2020	1.1	-----	-----	-----			1.1	37.5	Same
	Micropolitan	2016	0.8	2020	0.9	-----	-----	-----			0.9	12.5	Same
	Noncore	2016	0.8	2020	1.2	-----	-----	-----			1.2	50.0	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	1.3	2020	1.1	-----	-----	-----	=====	=====	=====	=====	=====
	12-17	2016	0.6	2020	0.3	-----	-----	-----	18-44	1.1	0.3	-72.7	Better
	45-64	2016	0.7	2020	1.3	-----	-----	-----			1.3	18.2	Same
	65 and over	2020	0.6	2020	0.6	-----	-----	-----			0.6	-45.5	Better
Gender	Male	2016	0.9	2020	0.9	-----	-----	-----	=====	=====	=====	=====	=====
	Female	2016	0.7	2020	1.1	-----	-----	-----	Male	0.9	1.1	22.2	Same
Education	Some college	2016	0.7	2020	0.9	-----	-----	-----	=====	=====	=====	=====	=====
	Less than high school graduate	2016	1.1	2020	1.4	-----	-----	-----	Some college	0.9	1.4	55.6	Same
	High school graduate	2016	1.0	2020	1.2	-----	-----	-----			1.2	33.3	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.60. Measure: Hospital inpatient stays involving opioid-related diagnoses per 100,000 population

Source: Healthcare Cost and Utilization Project

Benchmark was 102.9 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2005	136.8	2019	275.0	5.5	Worsening	No progress	=====	=====	=====	=====	=====
Income	400% of PG or more	2005	98.1	2019	185.4	4.9	Worsening	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2005	179.6	2019	359.9	5.7	Worsening	No progress	400% of PG or more	185.4	359.9	94.1	Worse
	100-199% of PG	2005	125.5	2019	277.4	6.3	Worsening	No progress			277.4	49.6	Worse
	200-399% of PG	2005	117.2	2019	243.4	5.8	Worsening	No progress			243.4	31.3	Worse
Metropolitan status	Large fringe metro	2005	111.5	2019	258.9	6.6	Worsening	No progress	=====	=====	=====	=====	=====
	Large central metro	2005	195.8	2019	289.1	3.0	Worsening	No progress	Large fringe metro	258.9	289.1	11.7	Worse
	Medium metro	2005	126.0	2019	276.3	7.6	Worsening	No progress			276.3	6.7	Same
	Small metro	2005	89.6	2019	259.5	9.1	Worsening	No progress			259.5	0.2	Same
	Noncore	2005	102.5	2019	245.9	7.6	Worsening	No progress			245.9	-5.0	Same
Age	25-44	2005	207.7	2019	367.8	4.6	Worsening	No progress	=====	=====	=====	=====	=====
	Under 1	2005	27.9	2019	47.2	7.2	Worsening	Reached, getting worse	25-44	367.8	47.2	-87.2	Better
	1-24	2005	40.6	2019	45.1	1.7	No change	No progress			45.1	-87.7	Better
	45-64	2005	193.6	2019	393.4	5.4	Worsening	No progress			393.4	7.0	Same
	65 and over	2005	133.8	2019	392.8	8.8	Worsening	No progress			392.8	6.8	Same
Gender	Male	2005	145.6	2019	275.2	4.9	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2005	127.8	2019	274.7	6.2	Worsening	No progress	Male	275.2	274.7	-0.2	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.61. Measure: Emergency department visits involving opioid-related diagnoses per 100,000 population
 Source: Healthcare Cost and Utilization Project Nationwide Emergency Department Sample
 Benchmark was 65.3 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2005	89.1	2019	226.0	9.2	Worsening	No progress	=====	=====	=====	=====	=====
Income	400% of PG or more	2005	65.5	2019	147.7	8.6	Worsening	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2005	104.9	2019	308.1	10.4	Worsening	No progress	400% of PG or more	147.7	308.1	108.6	Worse
	100-199% of PG	2005	90.2	2019	224.3	8.8	Worsening	No progress			224.3	51.9	Worse
	200-399% of PG	2005	83.2	2019	190.6	8.5	Worsening	No progress			190.6	29.0	Worse
Metropolitan status	Large fringe metro	2005	96.6	2019	201.6	8.2	Worsening	No progress	=====	=====	=====	=====	=====
	Large central metro	2005	91.9	2019	231.3	9.9	Worsening	No progress	Large fringe metro	201.6	231.3	14.7	Same
	Medium metro	2005	93.0	2019	264.5	9.2	Worsening	No progress			264.5	31.2	Same
	Small metro	2005	70.1	2019	171.2	9.3	Worsening	No progress			171.2	-15.1	Same
	Noncore	2005	71.9	2019	198.4	8.8	Worsening	No progress			198.4	-1.6	Same
Age	25-44	2005	160.8	2019	467.3	10.6	Worsening	No progress	=====	=====	=====	=====	=====
	Under 1	2005	6.4	2019	3.9	0.8	No change	No progress	25-44	467.3	3.9	-99.2	Better
	1-24	2005	52.4	2019	65.3	4.4	Worsening	No progress			65.3	-86.0	Better
	45-64	2005	90.3	2019	256.6	9.6	Worsening	No progress			256.6	-45.1	Better
	65 and over	2005	31.6	2019	111.6	11.6	Worsening	No progress			111.6	-76.1	Better
Gender	Male	2005	99.9	2019	271.7	9.7	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2005	78.6	2019	181.5	8.5	Worsening	No progress	Male	271.7	181.5	-33.2	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.62. Measure: Drug overdose deaths involving any opioid per 100,000 resident population

Source: National Vital Statistics System - Mortality

Benchmark was 4.3 in 2015.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	1999	2.9	2020	21.4	8.8	Worsening	No progress	=====	=====	=====	=====	=====
Race	White	2018	16.2	2020	22.9	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2018	9.2	2020	17.5	-----	-----	=====	White	22.9	17.5	-23.6	Better
	Asian	2020	2.7	2020	2.7	-----	-----	=====			2.7	-88.2	Better
	API	2018	1.6	2019	1.8	-----	-----	=====			-----	-----	-----
	NHPI	2020	5.4	2020	5.4	-----	-----	=====			5.4	-76.4	Better
	Black	2018	13.5	2020	25.7	-----	-----	=====			25.7	12.2	Worse
	Multiple races	2020	11.4	2020	11.4	-----	-----	=====			11.4	-50.2	Better
Ethnicity	Non-Hispanic, White	2018	18.6	2020	25.5	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2018	7.5	2020	13.1	-----	-----	=====	Non-Hispanic, White	25.5	13.1	-48.6	Better
	Non-Hispanic, AI/AN	2018	14.2	2020	28.1	-----	-----	=====			28.1	10.2	Worse
	Non-Hispanic, API	2018	1.5	2019	1.7	-----	-----	=====			-----	-----	-----
	Non-Hispanic, Asian	2020	2.6	2020	2.6	-----	-----	=====			2.6	-89.8	Better
	Non-Hispanic, NHPI	2020	6.1	2020	6.1	-----	-----	=====			6.1	-76.1	Better
	Non-Hispanic, Black	2018	14.0	2020	26.6	-----	-----	=====			26.6	4.3	Same
Metropolitan status	Large fringe metro	2013	8.3	2020	20.9	13.1	Worsening	No progress	=====	=====	=====	=====	=====
	Large central metro	2013	7.6	2020	23.0	16.4	Worsening	No progress	Large fringe metro	20.9	23.0	10.0	Worse
	Medium metro	2013	8.3	2020	22.4	12.9	Worsening	No progress			22.4	7.2	Same
	Small metro	2013	8.0	2020	17.1	8.3	Worsening	No progress			17.1	-18.2	Better
	Micropolitan	2013	8.1	2020	17.5	9.5	Worsening	No progress			17.5	-16.3	Better
	Noncore	2013	7.5	2020	14.1	5.4	No change	No progress			14.1	-32.5	Better

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	35-44	1999	7.2	2020	41.9	7.4	Worsening	No progress	=====	=====	=====	=====	=====
	15-24	1999	1.6	2020	14.1	8.2	Worsening	No progress	35-44	41.9	14.1	-66.3	Better
	25-34	1999	4.1	2020	39.6	10.9	Worsening	No progress			39.6	-5.5	Same
	45-54	1999	5.4	2020	32.8	7.4	Worsening	No progress			32.8	-21.7	Better
	55-64	1999	1.5	2020	24.6	13.5	Worsening	No progress			24.6	-41.3	Better
	65-74	1999	0.5	2020	7.9	13.6	Worsening	No progress			7.9	-81.1	Better
	75-84	1999	0.4	2020	1.5	7.2	Worsening	Reached, getting worse			1.5	-96.4	Better
	85 and over	2002	0.8	2020	1.1	1.6	Worsening	Reached, getting worse			1.1	-97.4	Better
Gender	Male	1999	4.3	2020	30.4	8.6	Worsening	No progress	=====	=====	=====	=====	=====
	Female	1999	1.4	2020	12.3	9.3	Worsening	No progress	Male	30.4	12.3	-59.5	Better

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.63. Measure: Drug overdose deaths involving natural and semisynthetic opioids per 100,000 resident population

Source: National Vital Statistics System - Mortality

Benchmark was 1.9 in 2015.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	1999	1.0	2020	4.1	7.0	Worsening	No progress					
Race	White	2018	4.3	2020	4.6	-----	-----	=====					
	AI/AN	2018	2.5	2020	3.3	-----	-----	=====	White	4.6	3.3	-28.6	Better
	Asian	2020	0.5	2020	0.5	-----	-----	=====			0.5	-89.9	Better
	API	2018	0.5	2019	0.4	-----	-----	=====			-----	-----	-----
	Black	2018	2.6	2020	3.6	-----	-----	=====			3.6	-22.0	Better
	Multiple races	2020	1.9	2020	1.9	-----	-----	=====			1.9	-57.8	Better
	Ethnicity	Non-Hispanic, White	2018	5.0	2020	5.3	-----	-----	=====				
Hispanic, all races		2018	1.6	2020	1.8	-----	-----	=====	Non-Hispanic, White	5.3	1.8	-65.0	Better
Non-Hispanic, AI/AN		2018	3.9	2020	5.3	-----	-----	=====			5.3	1.0	Same
Non-Hispanic, API		2018	0.5	2019	0.4	-----	-----	=====			-----	-----	-----
Non-Hispanic, Asian		2020	0.5	2020	0.5	-----	-----	=====			0.5	-91.4	Better
Non-Hispanic, Black		2018	2.7	2020	3.7	8.9	Worsening	=====			3.7	-29.1	Better
Metropolitan status		Large fringe metro	2013	3.19	2020	3.8	2.2	No change	No progress				
	Large central metro	2013	3.10	2020	3.9	2.5	Worsening	No progress	Large fringe metro	3.8	3.9	1.6	Same
	Medium metro	2013	4.05	2020	4.7	0.6	No change	No progress			4.7	23.6	Worse
	Small metro	2013	4.41	2020	4.0	-3.7	Improving	No progress			4.0	4.5	Same
	Micropolitan	2013	4.53	2020	4.1	-3.5	Improving	15 years			4.1	8.7	Same
	Noncore	2013	3.67	2020	4.3	-0.7	No change	No progress			4.3	13.4	Worse
Age	35-44	1999	2.3	2020	7.7	5.7	Worsening	No progress					
	15-24	1999	0.5	2020	1.6	4.9	Worsening	Reached, getting worse	35-44	7.7	1.6	-78.8	Better
	25-34	1999	1.3	2020	6.0	7.8	Worsening	No progress			6.0	-21.6	Better
	45-54	1999	2.0	2020	7.0	6.4	Worsening	No progress			7.0	-9.0	Same
	55-64	1999	0.7	2020	6.6	12.4	Worsening	No progress			6.6	-13.8	Better
	65-74	1999	0.3	2020	2.7	12.6	Worsening	No progress			2.7	-65.5	Better
	75-84	2002	0.3	2020	0.9	7.7	Worsening	Reached, getting worse			0.9	-87.9	Better
	85 and over	2007	0.7	2020	0.9	1.3	No change	No progress			0.9	-88.3	Better

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Gender	Male	1999	1.4	2020	5.0	6.2	Worsening	No progress	-----	-----	-----	-----	-----
	Female	1999	0.5	2020	3.1	8.4	Worsening	No progress	Male	5.0	3.1	-38.1	Better

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

----- : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.64. Measure: Drug overdose deaths involving other synthetic opioids (other than methadone) per 100,000 resident population

Source: National Vital Statistics System - Mortality

Benchmark was 0.7 in 2015.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	1999	0.2	2020	17.8	20.2	Worsening	No progress	=====	=====	=====	=====	=====
Race	White	2018	10.8	2020	18.7	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2018	4.7	2020	13.4	-----	-----	=====	White	18.7	13.4	-28.4	Better
	Asian	2020	2.3	2020	2.3	-----	-----	=====			2.3	-87.9	Better
	API	2018	1.0	2019	1.2	-----	-----	=====			-----	-----	-----
	NHPI	2020	4.1	2020	4.1	-----	-----	=====			4.1	-77.9	Better
	Black	2018	10.7	2020	23.2	-----	-----	=====			23.2	24.3	Worse
	Multiple races	2020	9.2	2020	9.2	-----	-----	=====			9.2	-51.1	Better
Ethnicity	Non-Hispanic, White	2018	12.6	2020	20.9	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2018	4.7	2020	10.7	-----	-----	=====	Non-Hispanic, White	20.9	10.7	-48.9	Better
	Non-Hispanic, AI/AN	2018	7.3	2020	21.6	-----	-----	=====			21.6	3.3	Same
	Non-Hispanic, API	2018	1.0	2019	1.2	-----	-----	=====			-----	-----	-----
	Non-Hispanic, Asian	2020	2.2	2020	2.2	-----	-----	=====			2.2	-89.5	Better
	Non-Hispanic, Black	2018	11.0	2020	24.1	-----	-----	=====			24.1	15.3	Worse
Metropolitan status	Large fringe metro	2013	0.93	2020	18.0	49.1	Worsening	No progress	=====	=====	=====	=====	=====
	Large central metro	2013	0.75	2020	19.1	57.7	Worsening	No progress	Large fringe metro	18.0	19.1	6.2	Same
	Medium metro	2013	1.08	2020	18.2	46.4	Worsening	No progress			18.2	1.3	Same
	Small metro	2013	1.29	2020	13.3	35.8	Worsening	No progress			13.3	-26.0	Better
	Micropolitan	2013	1.66	2020	13.8	35.7	Worsening	No progress			13.8	-23.2	Better
	Noncore	2013	1.02	2020	10.6	34.2	Worsening	No progress			10.6	-41.1	Better

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	35-44	1999	0.6	2020	35.4	18.8	Worsening	No progress	=====	=====	=====	=====	=====
	15-24	1999	0.1	2020	12.7	23.4	Worsening	No progress	35-44	35.4	12.7	-64.2	Better
	25-34	1999	0.3	2020	34.4	24.7	Worsening	No progress			34.4	-2.7	Same
	45-54	1999	0.5	2020	26.6	17.7	Worsening	No progress			26.6	-24.8	Better
	55-64	1999	0.2	2020	18.3	20.8	Worsening	No progress			18.3	-48.2	Better
	65-74	2003	0.2	2020	5.0	19.7	Worsening	No progress			5.0	-85.9	Better
	75-84	2006	0.2	2020	0.6	5.7	No change	No progress			0.6	-98.2	Better
Gender	Male	1999	0.3	2020	25.9	22.0	Worsening	No progress	=====	=====	=====	=====	=====
	Female	1999	0.2	2020	9.6	16.9	Worsening	No progress	Male	25.9	9.6	-63.0	Better

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.
 ===== : Not applicable.
 More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.65. Measure: People age 12 and over with opioid use disorder who received medication-assisted treatment for opioids in the past year

Source: National Survey on Drug Use and Health

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	18.1	2020	11.2	-----	-----	=====					
Race	White	2019	19.5	2020	12.0	-----	-----	=====					
Ethnicity	Non-Hispanic, White	2019	20.8	2020	13.8	-----	-----	=====					
	Non-Hispanic, all races	2019	19.0	2020	12.7	-----	-----	=====	Non-Hispanic, White	13.8	12.7	1.3	Same
Metropolitan status	Metropolitan	2019	19.0	2020	10.5	-----	-----	=====	Large fringe metro	-----	-----	-----	-----
Age	18-44	2019	24.7	2020	20.0	-----	-----	=====					
Gender	Male	2019	19.7	2020	7.7	-----	-----	=====					
	Female	2019	16.2	2020	14.3	-----	-----	=====	Male	7.7	14.3	-7.2	Same
Education	Some college	2019	21.7	2020	10.4	-----	-----	=====					
	High school graduate	2019	17.9	2019	17.9	-----	-----	=====	Some college	10.4	-----	-----	-----

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Effectiveness of Care
Section: Musculoskeletal Disease

Appendix Table 3.66. Measure: Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms
Source: National Health Interview Survey
Benchmark was not available.
Disparity Year: 2018
Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.
Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2009	70.5	2018	74.0	-0.9	No change	=====	=====	=====	=====	=====	=====
Race	White	2009	70.2	2018	73.4	-0.9	No change	=====	=====	=====	=====	=====	=====
	AI/AN	2009	57.5	2018	70.5	-3.0	No change	=====	White	73.4	70.5	10.9	Same
	Asian	2009	62.4	2018	67.9	-3.3	Improving	=====			67.9	20.7	Same
	Black	2009	75.1	2018	78.4	-0.7	No change	=====			78.4	-18.8	Better
	Multiple races	2009	70.8	2018	85.8	-1.9	No change	=====			85.8	-46.6	Better
Ethnicity	Non-Hispanic, White	2009	71.0	2018	74.5	-0.9	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2009	65.9	2018	66.9	-0.7	No change	=====	Non-Hispanic, White	74.5	66.9	29.8	Worse
	Non-Hispanic, all races	2009	71.3	2018	75.1	-1.0	No change	=====			75.1	-2.4	Same
	Non-Hispanic, Black	2009	75.2	2018	78.3	-0.9	No change	=====			78.3	-14.9	Same
Income	400% of PG or more	2009	72.0	2018	73.1	-0.1	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2009	72.2	2018	75.2	-1.1	Improving	=====	400% of PG or more	73.1	75.2	-7.8	Same
	100-199% of PG	2009	68.1	2018	72.9	-1.6	Improving	=====			72.9	0.7	Same
	200-399% of PG	2009	70.4	2018	75.0	-1.1	No change	=====			75.0	-7.1	Same
Health insurance	Any private	2009	69.4	2018	72.3	-0.5	No change	=====	=====	=====	=====	=====	=====
	Public only	2009	82.4	2018	78.7	2.7	Worsening	=====	Any private	72.3	78.7	-23.1	Better
	Uninsured	2009	52.5	2018	56.9	-0.6	No change	=====			56.9	55.6	Worse
Metropolitan status	Large fringe metro	2009	73.4	2018	72.9	0.1	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2009	71.0	2018	74.1	-0.9	No change	=====	Large fringe metro	72.9	74.1	-4.4	Same
	Large central metro	2009	68.2	2018	73.8	-2.0	Improving	=====			73.8	-3.3	Same
	Medium metro	2009	71.0	2018	74.5	-0.5	No change	=====			74.5	-5.9	Same
	Small metro	2009	72.3	2018	76.9	-1.4	No change	=====			76.9	-14.8	Same
	Micropolitan	2009	69.8	2018	72.2	-0.2	No change	=====			72.2	2.6	Same
	Noncore	2009	66.4	2018	76.5	-2.4	No change	=====			76.5	-13.3	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2009	64.5	2018	69.4	-1.1	Improving	=====	=====	=====	=====	=====	=====
	45-64	2009	74.0	2018	76.9	-0.8	No change	=====	18-44	69.4	76.9	-24.5	Better
	65 and over	2009	83.2	2018	82.9	0.1	No change	=====			82.9	-44.1	Better
Gender	Male	2009	66.0	2018	71.0	-1.0	No change	=====	=====	=====	=====	=====	=====
	Female	2009	74.6	2018	77.0	-0.7	No change	=====	Male	71.0	77.0	-20.7	Better
Education	Some college	2009	72.5	2018	75.7	-0.6	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2009	67.1	2018	68.2	-0.3	No change	=====	Some college	75.7	68.2	30.9	Worse
	High school graduate	2009	72.3	2018	72.9	-0.5	No change	=====			72.9	11.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Effectiveness of Care
Section: Respiratory Diseases

Appendix Table 3.67. Measure: Doctor's office or emergency department visits where antibiotics were prescribed for a diagnosis of common cold per 10,000 population

Source: National Ambulatory Medical Care Survey

Benchmark was not available.

Disparity Year: 2016 and 2018

Note: Lower estimates are better for this measure. The unit of measurement is rate per 10,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016 and 2018	232.1	2016 and 2018	232.1	-----	-----	=====					
Race	White	2016 and 2018	161.8	2016 and 2018	161.8	-----	-----	=====					
Ethnicity	Non-Hispanic, White	2016 and 2018	232.5	2016 and 2018	232.5	-----	-----	=====					
	Non-Hispanic, all races	2016 and 2018	213.6	2016 and 2018	213.6	-----	-----	=====	Non-Hispanic, White	232.5	213.6	-8.1	Same
Metropolitan status	Metropolitan	2016 and 2018	256.0	2016 and 2018	256.0	-----	-----	=====					
Age	0-17	2016 and 2018	619.0	2016 and 2018	619.0	-----	-----	=====					
Gender	Male	2016 and 2018	215.9	2016 and 2018	215.9	-----	-----	=====					
	Female	2016 and 2018	247.5	2016 and 2018	247.5	-----	-----	=====	Male	215.9	247.5	14.6	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.68. Measure: Emergency department visits where antibiotics were prescribed for a diagnosis of common cold per 10,000 population

Source: National Hospital Ambulatory Medical Care Survey

Benchmark was not available.

Disparity Year: 2018-2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 10,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2017-2018	34.4	2018-2019	31.1	-----	-----	=====					
Race	White	2017-2018	19.8	2018-2019	21.2	-----	-----	=====					
	Black	2017-2018	104.2	2018-2019	73.8	-----	-----	=====	White	21.2	73.8	248.1	Worse
Ethnicity	Non-Hispanic, White	2017-2018	24.7	2018-2019	24.0	-----	-----	=====					
	Hispanic, all races	2017-2018	23.6	2018-2019	30.2	-----	-----	=====	Non-Hispanic, White	24.0	30.2	25.8	Same
	Non-Hispanic, all races	2017-2018	36.8	2018-2019	31.3	-----	-----	=====			31.3	30.4	Same
	Non-Hispanic, Black	2017-2018	114.7	2018-2019	82.4	-----	-----	=====			82.4	243.3	Worse
Metropolitan status	Metropolitan	2017-2018	32.4	2017-2018	32.4	-----	-----	=====					
	Nonmetropolitan	2017-2018	47.4	2017-2018	47.4	-----	-----	=====	Metropolitan	-----	-----	-----	-----
Age	18-44	2017-2018	31.4	2018-2019	25.2	-----	-----	=====					
	0-17	2017-2018	70.4	2018-2019	69.4	-----	-----	=====	18-44	25.2	69.4	175.4	Worse
	45-64	2017-2018	16.8	2018-2019	13.0	-----	-----	=====			13.0	-48.4	Better
Gender	Male	2017-2018	26.6	2018-2019	29.5	-----	-----	=====					
	Female	2017-2018	41.8	2018-2019	32.6	-----	-----	=====	Male	29.5	32.6	10.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.69. Measure: Deaths per 1,000 hospital admissions with pneumonia, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 21.6 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	29.5	2019	22.9	-8.7	Improving	1 year	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	29.5	2019	23.0	-8.6	Improving	1 year	=====	=====	=====	=====	=====
	Hispanic, all races	2016	29.3	2019	21.5	-10.4	Improving	Reached	Non-Hispanic, White	23.0	21.5	-6.5	Same
	Non-Hispanic, API	2016	31.9	2019	27.0	-6.2	No change	No progress			27.0	17.4	Worse
	Non-Hispanic, Black	2016	29.0	2019	22.4	-8.9	Improving	0 years			22.4	-2.6	Same
Income	400% of PG or more	2016	28.4	2019	22.5	-8.3	Improving	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	30.9	2019	24.4	-8.2	Improving	1 year	400% of PG or more	22.5	24.4	8.4	Same
	100-199% of PG	2016	30.2	2019	22.8	-9.4	Improving	0 years			22.8	1.3	Same
	200-399% of PG	2016	27.7	2019	21.3	-8.9	Improving	Reached			21.3	-5.3	Same
Health insurance	Any private	2016	35.6	2019	22.9	-14.3	Improving	0 years	=====	=====	=====	=====	=====
	Medicaid only	2016	27.2	2019	19.0	-11.5	Improving	No progress	Any private	22.9	19.0	-17.0	Better
	Medicare only	2016	27.2	2019	16.6	-14.8	Improving	Reached			16.6	-27.5	Better
	Other insurance	2016	62.2	2019	41.0	-14.3	Improving	No progress			41.0	79.0	Worse
	Uninsured	2016	31.3	2019	20.2	-15.6	Improving	No progress			20.2	-11.8	Same
Metropolitan status	Large fringe metro	2016	27.1	2019	20.8	-9.2	Improving	Reached	=====	=====	=====	=====	=====
	Large central metro	2016	28.3	2019	21.7	-8.9	Improving	0 years	Large fringe metro	20.8	21.7	4.3	Same
	Medium metro	2016	28.2	2019	22.0	-8.4	Improving	0 years			22.0	5.8	Same
	Small metro	2016	27.8	2019	22.8	-7.2	Improving	No progress			22.8	9.6	Same
	Micropolitan	2016	31.4	2019	24.6	-8.2	Improving	1 year			24.6	18.3	Worse
	Noncore	2016	40.8	2019	31.1	-9.7	Improving	No progress			31.1	49.5	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	12.9	2019	9.4	-10.0	Improving	No progress	=====	=====	=====	=====	=====
	18-64	2016	21.8	2019	13.4	-14.7	Improving	Reached	18-44	9.4	13.4	42.6	Worse
	45-64	2016	24.0	2019	14.3	-15.7	Improving	Reached			14.3	52.1	Worse
	65 and over	2016	31.4	2019	25.5	-7.7	Improving	No progress			25.5	171.3	Worse
	65-69	2016	24.2	2019	18.2	-9.9	Improving	Reached			18.2	93.6	Worse
	70-74	2016	24.6	2019	21.2	-5.9	No change	No progress			21.2	125.5	Worse
	75-79	2016	28.6	2019	23.8	-6.4	No change	No progress			23.8	153.2	Worse
	80-84	2016	29.6	2019	25.9	-5.6	No change	No progress			25.9	175.5	Worse
	85 and over	2016	41.2	2019	32.9	-7.9	Improving	No progress			32.9	250.0	Worse
Gender	Male	2016	31.2	2019	24.0	-9.0	Improving	1 year	=====	=====	=====	=====	=====
	Female	2016	28.0	2019	21.9	-8.5	Improving	0 years	Male	24.0	21.9	-8.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.70. Measure: Patients with tuberculosis who completed a curative course of treatment within 1 year of initiation of treatment

Source: National Tuberculosis Surveillance System

Benchmark was 95.5 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2004	82.3	2018	89.2	-4.4	Improving	10 years	=====	=====	=====	=====	=====
Race	White	2004	81.5	2018	88.0	-3.9	Improving	13 years	=====	=====	=====	=====	=====
	AI/AN	2008	85.0	2018	89.8	-5.1	No change	No progress	White	88.0	89.8	-15.0	Same
	API	2008	85.1	2018	90.7	-5.8	Improving	7 years			90.7	-22.5	Better
	Black	2004	82.9	2018	88.6	-3.3	Improving	15 years			88.6	-5.0	Same
Ethnicity	Non-Hispanic, White	2004	83.9	2018	89.4	-2.8	Improving	17 years	=====	=====	=====	=====	=====
	Hispanic, all races	2004	80.0	2018	87.5	-4.6	Improving	12 years	Non-Hispanic, White	89.4	87.5	17.9	Same
	Non-Hispanic, all races	2004	83.3	2018	89.8	-4.3	Improving	10 years			89.8	-3.8	Same
	Non-Hispanic, Black	2004	82.9	2018	88.5	-3.2	Improving	16 years			88.5	8.5	Same
Age	18-44	2004	80.9	2018	88.9	-5.2	Improving	9 years	=====	=====	=====	=====	=====
	0-17	2004	90.1	2018	93.2	-4.3	Improving	8 years	18-44	88.9	93.2	-38.7	Better
	45-64	2004	81.6	2018	88.4	-3.7	Improving	13 years			88.4	4.5	Same
	65 and over	2004	83.4	2018	89.6	-4.4	Improving	10 years			89.6	-6.3	Same
Gender	Male	2004	80.8	2018	88.6	-4.6	Improving	10 years	=====	=====	=====	=====	=====
	Female	2004	84.6	2018	90.0	-4.0	Improving	11 years	Male	88.6	90.0	-12.3	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.71. Measure: People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2018	31.6	2019	33.1	-----	-----	=====					
Race	White	2018	31.3	2019	32.7	-----	-----	=====					
	Black	2018	32.9	2019	32.7	-----	-----	=====	White	32.7	32.7	0.0	Same
	Multiple races	2018	28.8	2019	31.4	-----	-----	=====			31.4	1.9	Same
Ethnicity	Non-Hispanic, White	2018	31.4	2019	32.6	-----	-----	=====					
	Hispanic, all races	2018	28.1	2019	32.0	-----	-----	=====	Non-Hispanic, White	32.6	32.0	0.9	Same
	Non-Hispanic, all races	2018	31.9	2019	33.0	-----	-----	=====			33.0	-0.6	Same
	Non-Hispanic, Black	2018	32.5	2019	32.7	-----	-----	=====			32.7	-0.1	Same
	Non-Hispanic, others	2018	28.2	2019	31.6	-----	-----	=====			31.6	1.5	Same
Income	400% of PG or more	2018	32.0	2019	31.5	-----	-----	=====					
	Less than 100% of PG	2018	32.0	2019	37.3	-----	-----	=====	400% of PG or more	31.5	37.3	-8.5	Same
	100-199% of PG	2018	35.9	2019	31.2	-----	-----	=====			31.2	0.4	Same
	200-399% of PG	2018	27.4	2019	33.6	-----	-----	=====			33.6	-3.1	Same
Health insurance	Any private	2018	28.8	2019	29.2	-----	-----	=====					
	Public only	2018	32.6	2019	34.0	-----	-----	=====	Any private	29.2	34.0	-6.8	Same
Metropolitan status	Large fringe metro	2018	31.5	2019	35.2	-----	-----	=====					
	Metropolitan	2018	31.5	2019	33.4	-----	-----	=====	Large fringe metro	35.2	33.4	2.8	Same
	Large central metro	2018	29.1	2019	33.0	-----	-----	=====			33.0	3.4	Same
	Medium metro	2018	35.1	2019	33.9	-----	-----	=====			33.9	2.0	Same
	Small metro	2018	30.9	2019	29.2	-----	-----	=====			29.2	9.3	Same
	Nonmetropolitan	2018	32.0	2019	30.4	-----	-----	=====			30.4	7.4	Same
	Micropolitan	2018	32.3	2019	28.6	-----	-----	=====			28.6	10.2	Same
	Noncore	2018	30.8	2019	34.0	-----	-----	=====			34.0	1.9	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2018	22.1	2019	24.4	-----	-----	=====					
	0-17	2018	30.2	2019	32.4	-----	-----	=====	18-44	24.4	32.4	-10.6	Better
	45-64	2018	43.4	2019	40.9	-----	-----	=====			40.9	-21.8	Better
	65 and over	2018	43.2	2019	47.5	-----	-----	=====			47.5	-30.6	Better
Disability status	Without disability	2018	28.9	2019	31.1	-----	-----	=====					
	With disability	2018	39.3	2019	41.0	-----	-----	=====	Without disability	31.1	41.0	-14.4	Better
Gender	Male	2018	30.1	2019	32.5	-----	-----	=====					
	Female	2018	32.1	2019	33.4	-----	-----	=====	Male	32.5	33.4	-1.3	Same
Education	Some college	2018	31.1	2019	33.0	-----	-----	=====					
	Less than high school graduate	2018	35.2	2019	30.4	-----	-----	=====	Some college	33.0	30.4	3.9	Same
	High school graduate	2018	32.4	2019	35.0	-----	-----	=====			35.0	-3.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.72. Measure: People with current asthma who received written asthma management plans from their healthcare provider

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2009	33.4	2018	35.5	-----	-----	=====					
Race	White	2009	32.3	2018	33.7	-----	-----	=====					
	Asian	2009	39.2	2018	39.2	-----	-----	=====	White	33.7	39.2	-8.3	Same
	Black	2009	41.7	2018	43.9	-----	-----	=====			43.9	-15.4	Better
	Multiple races	2009	30.6	2018	29.7	-----	-----	=====			29.7	6.0	Same
Ethnicity	Non-Hispanic, White	2009	32.7	2018	33.8	-----	-----	=====					
	Hispanic, all races	2009	28.4	2018	34.2	-----	-----	=====	Non-Hispanic, White	33.8	34.2	-0.6	Same
	Non-Hispanic, all races	2009	34.1	2018	35.8	-----	-----	=====			35.8	-3.0	Same
	Non-Hispanic, Black	2009	42.4	2018	42.9	-----	-----	=====			42.9	-13.7	Better
Income	400% of PG or more	2009	35.0	2018	35.2	-----	-----	=====					
	Less than 100% of PG	2009	30.9	2018	36.6	-----	-----	=====	400% of PG or more	35.2	36.6	-2.2	Same
	100-199% of PG	2009	32.4	2018	36.4	-----	-----	=====			36.4	-1.9	Same
	200-399% of PG	2009	35.4	2018	34.8	-----	-----	=====			34.8	0.6	Same
Health insurance	Any private	2009	37.4	2018	36.9	-----	-----	=====					
	Public only	2009	33.8	2018	36.9	-----	-----	=====	Any private	36.9	36.9	0.0	Same
	Uninsured	2009	25.8	2018	29.8	-----	-----	=====			29.8	11.3	Same
Metropolitan status	Large fringe metro	2009	36.0	2018	38.0	-----	-----	=====					
	Metropolitan	2009	35.3	2018	36.2	-----	-----	=====	Large fringe metro	38.0	36.2	2.9	Same
	Large central metro	2009	37.3	2018	39.2	-----	-----	=====			39.2	-1.9	Same
	Medium metro	2009	34.8	2018	30.6	-----	-----	=====			30.6	11.9	Worse
	Small metro	2009	32.0	2018	35.6	-----	-----	=====			35.6	3.9	Same
	Micropolitan	2009	27.2	2018	33.2	-----	-----	=====			33.2	7.7	Same
	Noncore	2009	20.1	2018	26.3	-----	-----	=====			26.3	18.9	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2009	29.8	2018	33.3	-----	-----	=====	=====	=====	=====	=====	=====
	0-17	2009	44.3	2018	46.5	-----	-----	=====	18-44	33.3	46.5	-19.8	Better
	45-64	2009	31.9	2018	31.9	-----	-----	=====			31.9	2.1	Same
	65 and over	2009	26.1	2018	26.5	-----	-----	=====			26.5	10.2	Worse
Gender	Male	2009	32.5	2018	37.5	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2009	33.7	2018	33.5	-----	-----	=====	Male	37.5	33.5	6.4	Same
Education	Some college	2009	33.3	2018	29.9	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2009	24.5	2018	29.8	-----	-----	=====	Some college	29.9	29.8	0.1	Same
	High school graduate	2009	26.8	2018	32.3	-----	-----	=====			32.3	-3.4	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.73. Measure: People with current asthma who received education about the appropriate response to an asthma episode

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2011	64.8	2018	68.4	-----	-----	=====					
Race	White	2011	63.7	2018	65.4	-----	-----	=====					
	Asian	2011	73.5	2018	80.3	-----	-----	=====	White	65.4	80.3	-43.1	Better
	Black	2011	68.7	2018	73.9	-----	-----	=====			73.9	-24.6	Better
	Multiple races	2011	66.8	2018	78.4	-----	-----	=====			78.4	-37.6	Better
Ethnicity	Non-Hispanic, White	2011	64.7	2018	65.9	-----	-----	=====					
	Hispanic, all races	2011	60.7	2018	66.2	-----	-----	=====	Non-Hispanic, White	65.9	66.2	-0.9	Same
	Non-Hispanic, all races	2011	65.6	2018	69.0	-----	-----	=====			69.0	-9.1	Same
	Non-Hispanic, Black	2011	68.9	2018	74.0	-----	-----	=====			74.0	-23.8	Better
Income	400% of PG or more	2011	70.6	2018	70.5	-----	-----	=====					
	Less than 100% of PG	2011	58.8	2018	71.2	-----	-----	=====	400% of PG or more	70.5	71.2	-2.4	Same
	100-199% of PG	2011	60.9	2018	62.5	-----	-----	=====			62.5	27.1	Worse
	200-399% of PG	2011	65.3	2018	68.8	-----	-----	=====			68.8	5.8	Same
Health insurance	Any private	2011	69.1	2018	71.4	-----	-----	=====					
	Public only	2011	65.5	2018	69.7	-----	-----	=====	Any private	71.4	69.7	5.9	Same
	Uninsured	2011	60.7	2018	62.5	-----	-----	=====			62.5	31.1	Same
Metropolitan status	Large fringe metro	2011	65.8	2018	71.8	-----	-----	=====					
	Metropolitan	2011	66.2	2018	69.5	-----	-----	=====	Large fringe metro	71.8	69.5	8.2	Same
	Large central metro	2011	63.8	2018	72.2	-----	-----	=====			72.2	-1.4	Same
	Medium metro	2011	70.5	2018	64.6	-----	-----	=====			64.6	25.5	Same
	Small metro	2011	63.2	2018	67.5	-----	-----	=====			67.5	15.2	Same
	Micropolitan	2011	59.7	2018	57.0	-----	-----	=====			57.0	52.5	Worse
	Noncore	2011	56.9	2018	66.0	-----	-----	=====			66.0	20.6	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2011	65.1	2018	70.2	-----	-----	=====	=====	=====	=====	=====	=====
	0-17	2011	76.7	2018	77.5	-----	-----	=====	18-44	70.2	77.5	-24.5	Better
	45-64	2011	57.7	2018	61.8	-----	-----	=====			61.8	28.2	Worse
	65 and over	2011	52.3	2018	54.3	-----	-----	=====			54.3	53.4	Worse
Gender	Male	2011	62.3	2018	66.6	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2011	66.1	2018	69.2	-----	-----	=====	Male	66.6	69.2	-7.8	Same
Education	Some college	2011	67.0	2018	67.1	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2011	45.6	2018	57.4	-----	-----	=====	Some college	67.1	57.4	29.5	Same
	High school graduate	2011	54.4	2018	55.2	-----	-----	=====			55.2	36.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.74. Measure: People with current asthma who were advised to make changes to reduce exposure to irritants

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2011	50.8	2018	45.2	-----	-----	=====					
Race	White	2011	50.3	2018	42.7	-----	-----	=====					
	Asian	2011	49.2	2018	62.8	-----	-----	=====	White	42.7	62.8	-35.1	Better
	Black	2011	51.3	2018	52.5	-----	-----	=====			52.5	-17.1	Better
	Multiple races	2011	66.1	2018	46.1	-----	-----	=====			46.1	-5.9	Same
Ethnicity	Non-Hispanic, White	2011	51.1	2018	43.0	-----	-----	=====					
	Hispanic, all races	2011	45.3	2018	41.3	-----	-----	=====	Non-Hispanic, White	43.0	41.3	3.0	Same
	Non-Hispanic, all races	2011	51.6	2018	46.1	-----	-----	=====			46.1	-5.4	Same
	Non-Hispanic, Black	2011	51.9	2018	52.7	-----	-----	=====			52.7	-17.0	Better
Income	400% of PG or more	2011	51.0	2018	41.4	-----	-----	=====					
	Less than 100% of PG	2011	49.7	2018	48.4	-----	-----	=====	400% of PG or more	41.4	48.4	-11.9	Same
	100-199% of PG	2011	52.9	2018	43.6	-----	-----	=====			43.6	-3.8	Same
	200-399% of PG	2011	49.6	2018	46.2	-----	-----	=====			46.2	-8.2	Same
Health insurance	Any private	2011	53.4	2018	45.3	-----	-----	=====					
	Public only	2011	57.0	2018	50.9	-----	-----	=====	Any private	45.3	50.9	-10.2	Same
	Uninsured	2011	49.4	2018	42.8	-----	-----	=====			42.8	4.6	Same
Metropolitan status	Large fringe metro	2011	52.3	2018	42.3	-----	-----	=====					
	Metropolitan	2011	50.7	2018	46.2	-----	-----	=====	Large fringe metro	42.3	46.2	-6.8	Same
	Large central metro	2011	50.2	2018	49.5	-----	-----	=====			49.5	-12.5	Same
	Medium metro	2011	52.0	2018	44.6	-----	-----	=====			44.6	-4.0	Same
	Small metro	2011	46.7	2018	51.6	-----	-----	=====			51.6	-16.1	Better
	Micropolitan	2011	51.5	2018	37.7	-----	-----	=====			37.7	8.0	Same
	Noncore	2011	51.6	2018	40.4	-----	-----	=====			40.4	3.3	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2011	56.2	2018	46.2	-----	-----	=====	=====	=====	=====	=====	=====
	0-17	2011	53.2	2018	47.5	-----	-----	=====	18-44	46.2	47.5	-2.4	Same
	45-64	2011	50.1	2018	48.1	-----	-----	=====			48.1	-3.5	Same
	65 and over	2011	30.8	2018	31.7	-----	-----	=====			31.7	27.0	Worse
Gender	Male	2011	46.5	2018	43.2	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2011	52.5	2018	46.2	-----	-----	=====	Male	43.2	46.2	-5.3	Same
Education	Some college	2011	54.2	2018	45.1	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2011	42.2	2018	44.7	-----	-----	=====	Some college	45.1	44.7	0.7	Same
	High school graduate	2011	44.6	2018	39.5	-----	-----	=====			39.5	10.2	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 3.75. Measure: People with current asthma

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2003	6.8	2019	7.5	1.2	Worsening	=====	=====	=====	=====	=====	=====
Race	White	2003	6.5	2019	7.0	1.0	Worsening	=====	=====	=====	=====	=====	=====
	AI/AN	2003	7.3	2019	9.8	1.4	No change	=====	White	7.0	9.8	40.0	Same
	Asian	2003	4.3	2019	5.3	0.6	No change	=====			5.3	-23.5	Better
	NHPI	2003	14.8	2017	13.1	-----	-----	=====			-----	-----	-----
	Black	2003	8.2	2019	10.1	2.2	Worsening	=====			10.1	45.0	Worse
	Multiple races	2003	12.2	2019	13.5	0.1	No change	=====			13.5	93.8	Worse
Ethnicity	Non-Hispanic, White	2003	6.9	2019	7.2	1.0	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2003	5.0	2019	6.3	1.7	Worsening	=====	Non-Hispanic, White	7.2	6.3	-13.0	Same
	Non-Hispanic, all races	2003	7.1	2019	7.8	1.2	Worsening	=====			7.8	7.5	Same
	Non-Hispanic, Black	2003	8.2	2019	10.2	2.3	Worsening	=====			10.2	40.9	Worse
	Non-Hispanic, others	2003	10.9	2019	13.4	0.6	No change	=====			13.4	84.9	Worse
Income	400% of PG or more	2003	5.5	2019	6.3	1.2	Worsening	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2003	9.8	2019	11.7	1.5	Worsening	=====	400% of PG or more	6.3	11.7	85.7	Worse
	100-199% of PG	2003	7.6	2019	8.7	1.8	Worsening	=====			8.7	38.1	Worse
	200-399% of PG	2003	6.6	2019	7.0	0.7	No change	=====			7.0	10.7	Same
Health insurance	Any private	2003	6.3	2019	6.5	0.8	No change	=====	=====	=====	=====	=====	=====
	Public only	2003	11.4	2019	12.5	0.5	No change	=====	Any private	6.5	12.5	91.7	Worse
	Uninsured	2003	5.1	2019	5.0	1.3	No change	=====			5.0	-23.9	Same
Metropolitan status	Large fringe metro	2003	5.9	2019	7.3	1.7	Worsening	=====	=====	=====	=====	=====	=====
	Metropolitan	2003	6.7	2019	7.5	1.2	Worsening	=====	Large fringe metro	7.3	7.5	2.3	Same
	Large central metro	2003	6.9	2019	6.9	1.2	Worsening	=====			6.9	-5.9	Same
	Medium metro	2003	6.9	2019	8.7	1.0	Worsening	=====			8.7	18.8	Worse
	Small metro	2003	8.1	2019	7.7	0.7	No change	=====			7.7	5.5	Same
	Nonmetropolitan	2003	7.0	2019	7.6	1.1	Worsening	=====			7.6	4.3	Same
	Micropolitan	2003	7.1	2019	8.1	0.9	No change	=====			8.1	11.1	Same
Noncore	2003	6.9	2019	6.9	1.4	Worsening	=====			6.9	-6.0	Same	

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2003	6.0	2019	7.2	2.0	Worsening	=====	=====	=====	=====	=====	=====
	0-17	2003	8.0	2019	7.2	0.1	No change	=====	18-44	7.2	7.2	-0.4	Same
	45-64	2003	6.7	2019	8.5	1.5	Worsening	=====			8.5	17.3	Worse
	65 and over	2003	6.7	2019	7.0	0.8	No change	=====			7.0	-3.5	Same
Disability status	Without disability	2013	7.1	2019	6.6	-1.2	Improving	=====	=====	=====	=====	=====	=====
	With disability	2013	17.1	2019	14.6	-2.1	Improving	=====	Without disability	6.6	14.6	123.4	Worse
Gender	Male	2003	5.7	2019	6.2	1.0	No change	=====	=====	=====	=====	=====	=====
	Female	2003	7.8	2019	8.7	1.4	Worsening	=====	Male	6.2	8.7	41.1	Worse
Education	Some college	2003	6.5	2019	7.2	1.5	Worsening	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2003	7.0	2019	9.2	1.5	Worsening	=====	Some college	7.2	9.2	27.5	Worse
	High school graduate	2003	5.7	2019	7.8	2.4	Worsening	=====			7.8	8.2	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Patient Safety

The National Academy of Medicine, formerly Institute of Medicine (IOM), defines patient safety as “freedom from accidental injury due to medical care or medical errors.”¹ In 1999, the IOM published their landmark report, *To Err Is Human: Building a Safer Health System*,¹ which called for a national effort to reduce medical errors and improve patient safety.

In 2015, the National Academy of Medicine built on its initial report on patient safety by publishing *Improving Diagnosis in Health Care*, which identifies eight major goals for effecting progress on diagnostic error and improving patient safety outcomes.² Although *To Err Is Human* did not fully address improving diagnostic safety and quality, the patient safety field has now established consensus that more attention needs to be placed on reducing diagnostic error.

In addition to providing reports and materials, AHRQ has identified three long-term goals related to improving patient safety:

- Reducing preventable hospital admissions and readmissions,
- Reducing the incidence of adverse healthcare-associated conditions (HACs), and
- Reducing harm from inappropriate or unnecessary care.

To meet these goals, AHRQ supports research and quality improvement programs to reduce healthcare-associated infections (HAIs) and HACs, adverse drug events, and other preventable adverse events.

A common cause of adverse events is gaps in communication either between providers or with patients, their family members, or caregivers. Communication gaps may occur unintentionally and may result from implicit biases among healthcare providers.³ Thus, researchers, providers, and policymakers are considering patient safety and person-centered care together to better understand breakdowns in care so that patients experience safer care and better health outcomes.

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Importance

The number of deaths in U.S. hospitals due to medical error each year has been estimated at 44,000-98,000.² The age-standardized mortality rate due to adverse effects of medical treatment has been estimated at 1.15 per 100,000 population.⁴ In addition, the number of hospital-acquired conditions in U.S. hospitals in 2017 was 2,550,000,⁵ and the all-payer 30-day readmission rate in 2016 was 13.9% of admissions.⁶ More recently, the increase in ventilator-associated events during the 2021 COVID-19 delta surge was 60%.⁷

Additional hospital inpatient costs due to hospital-acquired conditions (2014)⁶ include:

- Central line-associated bloodstream infection, \$48,108.
- Ventilator-associated pneumonia, \$47,238.
- Surgical site infection, \$28,219.
- Venous thromboembolism, \$17,367.

Key Findings

Patient safety measures that improved overall include:

- Postoperative respiratory failure, prolonged mechanical ventilation, or reintubation per 1,000 elective-surgery admissions, age 18 and over.
- Long-stay nursing home residents with a urinary tract infection.
- Short-stay nursing home patients with pressure ulcers that are new or worsened.
- Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, age 18 and over.
- Home health care patients whose management of oral medications improved.

Patient safety measures that worsened overall include:

- Adults who reported a home health care provider asking to see all the prescription and over-the-counter medicines they were taking, when they first started getting home health care.

-
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Patient safety measures that experienced significant disparities include:

- Deaths per 1,000 elective-surgery admissions who developed serious treatable complications of care during hospitalization, ages 18-89 or obstetric admissions.
- Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults.
- Home health care patients whose management of oral medications improved.

Chapter: Patient Safety
Section: Healthcare-Associated Infections

Appendix Table 4.1. Measure: Postoperative sepsis per 1,000 elective-surgery admissions, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 3.2 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	4.5	2019	3.7	-6.3	Improving	2 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	4.4	2019	3.5	-6.9	Improving	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	5.0	2019	4.3	-4.7	Improving	No progress	Non-Hispanic, White	3.5	4.3	24.3	Worse
	Non-Hispanic, API	2016	5.0	2019	4.7	-2.6	Improving	No progress			4.7	35.9	Worse
	Non-Hispanic, Black	2016	5.1	2019	4.1	-6.5	Improving	3 years			4.1	18.8	Worse
Income	400% of PG or more	2016	4.0	2019	3.2	-5.9	Improving	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	5.2	2019	4.1	-7.0	Improving	No progress	400% of PG or more	3.2	4.1	27.4	Worse
	100-199% of PG	2016	4.5	2019	3.7	-5.5	Improving	2 years			3.7	15.9	Worse
	200-399% of PG	2016	4.4	2019	3.5	-6.7	Improving	No progress			3.5	9.7	Same
Health insurance	Any private	2016	3.8	2019	3.1	-5.9	Improving	Reached	=====	=====	=====	=====	=====
	Medicaid only	2016	5.7	2019	4.7	-5.9	Improving	5 years	Any private	3.1	4.7	52.6	Worse
	Medicare only	2016	5.8	2019	4.8	-6.1	Improving	5 years			4.8	54.2	Worse
	Other insurance	2016	3.9	2019	3.8	-0.2	No change	No progress			3.8	23.9	Worse
	Uninsured	2016	3.8	2019	3.8	-1.5	No change	No progress			3.8	21.6	Worse
Metropolitan status	Large fringe metro	2016	4.2	2019	3.5	-5.6	Improving	1 year	=====	=====	=====	=====	=====
	Large central metro	2016	4.7	2019	3.8	-6.7	Improving	No progress	Large fringe metro	3.5	3.8	8.0	Same
	Medium metro	2016	4.6	2019	3.7	-6.4	Improving	No progress			3.7	6.0	Same
	Small metro	2016	4.5	2019	3.6	-7.3	Improving	1 year			3.6	2.0	Same
	Micropolitan	2016	4.6	2019	3.6	-7.0	Improving	No progress			3.6	4.3	Same
	Noncore	2016	4.7	2019	3.9	-6.2	No change	No progress			3.9	10.6	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	2.8	2019	2.5	-4.2	Improving	No progress	=====	=====	=====	=====	=====
	18-64	2016	3.7	2019	3.2	-5.1	Improving	Reached	18-44	2.5	3.2	26.0	Worse
	45-64	2016	4.0	2019	3.4	-5.4	Improving	No progress			3.4	34.0	Worse
	65 and over	2016	5.2	2019	4.1	-7.1	Improving	No progress			4.1	64.8	Worse
	65-69	2016	4.8	2019	3.7	-7.3	Improving	No progress			3.7	47.2	Worse
	70-74	2016	5.4	2019	4.1	-8.0	Improving	No progress			4.1	64.4	Worse
	75-79	2016	5.6	2019	4.6	-6.2	Improving	No progress			4.6	84.0	Worse
	80-84	2016	5.4	2019	4.3	-6.6	Improving	No progress			4.3	73.2	Worse
	85 and over	2016	5.2	2019	4.1	-7.4	No change	No progress			4.1	64.4	Worse
Gender	Male	2016	5.1	2019	4.0	-7.2	Improving	2 years	=====	=====	=====	=====	=====
	Female	2016	3.9	2019	3.3	-5.4	Improving	No progress	Male	4.0	3.3	-19.2	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.2. Measure: Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, age 18 and over or obstetric admissions

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	0.1	2019	0.1	-9.2	Improving	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	0.1	2019	0.1	-10.1	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	0.1	2019	0.1	-14.8	Improving	=====	Non-Hispanic, White	0.1	0.1	-12.5	Same
	Non-Hispanic, API	2016	0.1	2019	0.1	-5.6	No change	=====			0.1	25.0	Same
	Non-Hispanic, Black	2016	0.2	2019	0.1	-15.0	Improving	=====			0.1	12.5	Same
Income	400% of PG or more	2016	0.1	2019	0.1	-10.1	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	0.1	2019	0.1	-9.2	Improving	=====	400% of PG or more	0.1	0.1	12.5	Same
	100-199% of PG	2016	0.1	2019	0.1	-12.4	Improving	=====			0.1	0.0	Same
	200-399% of PG	2016	0.1	2019	0.1	-11.1	Improving	=====			0.1	0.0	Same
Health insurance	Any private	2016	0.1	2019	0.1	-4.8	No change	=====	=====	=====	=====	=====	=====
	Medicaid only	2016	0.1	2019	0.1	-11.2	Improving	=====	Any private	0.1	0.1	25.0	Same
	Medicare only	2016	0.1	2019	0.1	-9.1	Improving	=====			0.1	25.0	Same
	Other insurance	2016	0.1	2019	0.1	-8.6	No change	=====			0.1	0.0	Same
	Uninsured	2016	0.1	2019	0.1	-12.6	Improving	=====			0.1	-25.0	Same
Metropolitan status	Large fringe metro	2016	0.1	2019	0.1	-13.4	Improving	=====	=====	=====	=====	=====	=====
	Large central metro	2016	0.1	2019	0.1	-8.3	Improving	=====	Large fringe metro	0.1	0.1	12.5	Same
	Medium metro	2016	0.1	2019	0.1	-11.1	No change	=====			0.1	12.5	Same
	Small metro	2016	0.1	2019	0.1	-10.4	No change	=====			0.1	12.5	Same
	Micropolitan	2016	0.1	2019	0.1	0.0	No change	=====			0.1	12.5	Same
	Noncore	2016	0.1	2019	0.1	0.0	No change	=====			0.1	12.5	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	0.2	2019	0.1	-12.9	Improving	=====	=====	=====	=====	=====	=====
	18-64	2016	0.1	2019	0.1	-10.4	Improving	=====	18-44	0.1	0.1	0.0	Same
	45-64	2016	0.1	2019	0.1	-8.4	Improving	=====			0.1	0.0	Same
	65 and over	2016	0.1	2019	0.1	-7.3	No change	=====			0.1	-30.0	Same
	65-69	2016	0.1	2019	0.1	-6.8	Improving	=====			0.1	-10.0	Same
	70-74	2016	0.1	2019	0.1	-16.1	No change	=====			0.1	-30.0	Same
	75-79	2016	0.1	2019	0.1	-5.9	No change	=====			0.1	-20.0	Same
	80-84	2016	0.1	2019	0.1	-8.9	No change	=====			0.1	-30.0	Same
	85 and over	2016	0.0	2019	0.0	-8.3	No change	=====			0.0	-70.0	Better
Gender	Male	2016	0.1	2019	0.1	-8.4	Improving	=====	=====	=====	=====	=====	=====
	Female	2016	0.1	2019	0.1	-7.6	Improving	=====	Male	0.1	0.1	-20.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.3. Measure: Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, age less than 18 years

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	0.5	2019	0.4	-4.4	Improving	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	0.4	2019	0.4	-4.2	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	0.5	2019	0.4	-11.2	Improving	=====	Non-Hispanic, White	0.4	0.4	0.0	Same
	Non-Hispanic, API	2016	0.5	2019	0.3	-17.8	Improving	=====			0.3	-18.9	Same
	Non-Hispanic, Black	2016	0.5	2019	0.5	2.8	No change	=====			0.5	40.5	Worse
Income	400% of PG or more	2016	0.4	2019	0.4	-1.0	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	0.5	2019	0.4	-4.6	No change	=====	400% of PG or more	0.4	0.4	18.9	Same
	100-199% of PG	2016	0.5	2019	0.4	-6.1	No change	=====			0.4	5.4	Same
	200-399% of PG	2016	0.5	2019	0.4	-7.1	Improving	=====			0.4	0.0	Same
Health insurance	Any private	2016	0.4	2019	0.3	-3.6	No change	=====	=====	=====	=====	=====	=====
	Medicaid only	2016	0.5	2019	0.4	-4.3	No change	=====	Any private	0.3	0.4	33.3	Worse
	Other insurance	2017	0.6	2019	0.4	-----	-----	=====			0.4	12.1	Same
	Uninsured	2016	0.4	2016	0.4	-----	-----	=====			-----	-----	-----
Metropolitan status	Large fringe metro	2016	0.4	2019	0.4	-0.5	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	0.5	2019	0.4	-6.6	Improving	=====	Large fringe metro	0.4	0.4	-5.0	Same
	Medium metro	2016	0.5	2019	0.4	-7.0	Improving	=====			0.4	0.0	Same
	Small metro	2016	0.5	2019	0.4	-7.0	No change	=====			0.4	0.0	Same
	Micropolitan	2016	0.4	2019	0.4	-2.6	No change	=====			0.4	-2.5	Same
	Noncore	2016	0.5	2019	0.5	-0.4	No change	=====			0.5	27.5	Same
Age	0-4	2016	0.5	2019	0.5	-4.5	Improving	=====	=====	=====	=====	=====	=====
	5-9	2016	0.4	2019	0.3	-5.8	No change	=====	0-4	0.5	0.3	-35.6	Better
	10-14	2016	0.4	2019	0.3	-10.5	No change	=====			0.3	-33.3	Better
	15-17	2016	0.4	2019	0.3	-1.6	No change	=====			0.3	-24.4	Better
Gender	Male	2016	0.5	2019	0.4	-7.9	Improving	=====	=====	=====	=====	=====	=====
	Female	2016	0.4	2019	0.4	-2.1	No change	=====	Male	0.4	0.4	7.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.4. Measure: Hospital admissions with pressure ulcers per 1,000 medical and surgical discharges of length 3 or more days, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 0.3 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	0.6	2019	0.6	2.0	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	0.5	2019	0.6	1.9	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	0.5	2019	0.5	-1.9	No change	No progress	Non-Hispanic, White	0.6	0.5	-12.1	Better
	Non-Hispanic, API	2016	0.4	2019	0.5	1.9	No change	No progress			0.5	-22.4	Better
	Non-Hispanic, Black	2016	0.7	2019	0.7	3.1	No change	No progress			0.7	25.9	Worse
Income	400% of PG or more	2016	0.5	2019	0.6	2.8	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	0.6	2019	0.7	2.2	No change	No progress	400% of PG or more	0.6	0.7	12.1	Worse
	100-199% of PG	2016	0.5	2019	0.6	1.8	No change	No progress			0.6	-3.4	Same
	200-399% of PG	2016	0.5	2019	0.6	1.5	No change	No progress			0.6	-1.7	Same
Health insurance	Any private	2016	0.5	2019	0.5	2.9	No change	No progress	=====	=====	=====	=====	=====
	Medicaid only	2016	0.7	2019	0.7	0.8	No change	No progress	Any private	0.5	0.7	39.6	Worse
	Medicare only	2016	0.6	2019	0.6	2.3	No change	No progress			0.6	17.0	Worse
	Other insurance	2016	0.6	2019	0.7	0.5	No change	No progress			0.7	30.2	Worse
	Uninsured	2016	0.4	2019	0.4	-2.3	No change	No progress			0.4	-17.0	Better
Metropolitan status	Large fringe metro	2016	0.5	2019	0.6	0.7	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	0.6	2019	0.6	-0.4	No change	No progress	Large fringe metro	0.6	0.6	5.5	Same
	Medium metro	2016	0.6	2019	0.7	3.9	No change	No progress			0.7	27.3	Worse
	Small metro	2016	0.5	2019	0.6	3.0	No change	No progress			0.6	9.1	Same
	Micropolitan	2016	0.5	2019	0.6	4.4	No change	No progress			0.6	1.8	Same
	Noncore	2016	0.5	2019	0.5	3.2	No change	No progress			0.5	-1.8	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	0.4	2019	0.5	2.5	No change	No progress	=====	=====	=====	=====	=====
	18-64	2016	0.5	2019	0.5	2.4	No change	No progress	18-44	0.5	0.5	20.0	Worse
	45-64	2016	0.5	2019	0.6	1.4	No change	No progress			0.6	26.7	Worse
	65 and over	2016	0.6	2019	0.7	2.2	No change	No progress			0.7	44.4	Worse
	65-69	2016	0.6	2019	0.6	0.9	No change	No progress			0.6	37.8	Worse
	70-74	2016	0.6	2019	0.7	2.5	No change	No progress			0.7	44.4	Worse
	75-79	2016	0.6	2019	0.7	2.8	No change	No progress			0.7	57.8	Worse
	80-84	2016	0.6	2019	0.7	0.0	No change	No progress			0.7	46.7	Worse
	85 and over	2016	0.5	2019	0.6	3.7	No change	No progress			0.6	33.3	Worse
Gender	Male	2016	0.6	2019	0.7	1.2	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	0.5	2019	0.5	3.0	No change	No progress	Male	0.7	0.5	-21.2	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.5. Measure: Adult inpatients with one or more pressure ulcer adverse events during hospital stay

Source: Quality and Safety Review System

Benchmark was not available.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	3.4	2020	3.4	-----	-----	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2020	3.5	2020	3.5	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2020	5.4	2020	5.4	-----	-----	=====	Non-Hispanic, White	3.5	5.4	56.4	Same
	Non-Hispanic, Black	2020	3.0	2020	3.0	-----	-----	=====			3.0	-12.7	Same
Age	Under 65	2020	2.6	2020	2.6	-----	-----	=====	=====	=====	=====	=====	=====
	65-74	2020	2.7	2020	2.7	-----	-----	=====	Under 65	2.6	2.7	5.0	Same
	75-84	2020	3.8	2020	3.8	-----	-----	=====			3.8	43.7	Same
	85 and over	2020	4.7	2020	4.7	-----	-----	=====			4.7	81.6	Worse
Gender	Male	2020	4.0	2020	4.0	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2020	2.9	2020	2.9	-----	-----	=====	Male	4.0	2.9	-28.1	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Patient Safety
Section: Surgical Care

Appendix Table 4.6. Measure: Composite measure: Adult surgery patients with postoperative complications (postoperative pneumonia or venous thromboembolic events)

Source: Quality and Safety Review System

Benchmark was not available.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	1.5	2020	1.5	-----	-----	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2020	1.6	2020	1.6	-----	-----	=====	=====	=====	=====	=====	=====

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.7. Measure: Perioperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical admissions, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	2.3	2019	2.2	-0.9	No change	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	2.3	2019	2.1	-1.0	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	2.1	2019	2.0	-1.8	No change	=====	Non-Hispanic, White	2.1	2.0	-5.6	Same
	Non-Hispanic, API	2016	2.8	2019	2.7	0.2	No change	=====			2.7	28.6	Worse
	Non-Hispanic, Black	2016	2.5	2019	2.4	-0.3	No change	=====			2.4	14.6	Worse
Income	400% of PG or more	2016	2.2	2019	2.2	-0.4	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	2.3	2019	2.1	-2.0	No change	=====	400% of PG or more	2.2	2.1	-1.4	Same
	100-199% of PG	2016	2.3	2019	2.2	-1.0	No change	=====			2.2	0.5	Same
	200-399% of PG	2016	2.3	2019	2.3	0.3	No change	=====			2.3	5.1	Same
Health insurance	Any private	2016	2.2	2019	2.2	0.1	No change	=====	=====	=====	=====	=====	=====
	Medicaid only	2016	2.5	2019	2.3	-1.0	No change	=====	Any private	2.2	2.3	6.4	Same
	Medicare only	2016	2.4	2019	2.4	0.6	No change	=====			2.4	9.6	Same
	Other insurance	2016	2.2	2019	2.2	1.1	Worsening	=====			2.2	1.8	Same
	Uninsured	2016	1.7	2019	1.7	0.6	No change	=====			1.7	-21.5	Better
Metropolitan status	Large fringe metro	2016	2.2	2019	2.1	-1.3	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	2.2	2019	2.2	0.7	No change	=====	Large fringe metro	2.1	2.2	4.8	Same
	Medium metro	2016	2.4	2019	2.3	-1.4	No change	=====			2.3	8.7	Same
	Small metro	2016	2.4	2019	2.2	-2.5	No change	=====			2.2	5.3	Same
	Micropolitan	2016	2.4	2019	2.2	-1.5	No change	=====			2.2	5.3	Same
	Noncore	2016	2.4	2019	2.2	-1.4	No change	=====			2.2	7.7	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	2.1	2019	2.1	2.2	No change	=====	=====	=====	=====	=====	=====
	18-64	2016	2.2	2019	2.2	0.4	No change	=====	18-44	2.1	2.2	3.8	Same
	45-64	2016	2.3	2019	2.2	-0.5	No change	=====			2.2	5.2	Same
	65 and over	2016	2.4	2019	2.2	-2.2	No change	=====			2.2	0.9	Same
	65-69	2016	2.4	2019	2.2	-2.4	Improving	=====			2.2	4.2	Same
	70-74	2016	2.4	2019	2.2	-1.1	No change	=====			2.2	4.7	Same
	75-79	2016	2.4	2019	2.2	-2.8	No change	=====			2.2	2.8	Same
	80-84	2016	2.4	2019	2.2	-2.1	No change	=====			2.2	1.4	Same
	85 and over	2016	2.0	2019	1.7	-3.6	No change	=====			1.7	-20.2	Better
Gender	Male	2016	2.4	2019	2.2	-1.6	No change	=====	=====	=====	=====	=====	=====
	Female	2016	2.2	2019	2.1	-0.2	No change	=====	Male	2.2	2.1	-4.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.8. Measure: Postoperative pulmonary embolism or deep vein thrombosis per 1,000 surgical admissions, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	3.5	2019	3.1	-3.7	Improving	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	3.4	2019	3.0	-4.0	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	3.4	2019	3.0	-3.6	Improving	=====	Non-Hispanic, White	3.0	3.0	1.7	Same
	Non-Hispanic, API	2016	2.5	2019	2.3	-2.2	No change	=====			2.3	-23.6	Better
	Non-Hispanic, Black	2016	4.7	2019	4.3	-2.5	No change	=====			4.3	44.4	Worse
Income	400% of PG or more	2016	3.6	2019	3.2	-4.0	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	3.6	2019	3.2	-4.1	Improving	=====	400% of PG or more	3.2	3.2	0.0	Same
	100-199% of PG	2016	3.4	2019	3.0	-3.3	No change	=====			3.0	-4.1	Same
	200-399% of PG	2016	3.5	2019	3.1	-3.4	Improving	=====			3.1	-1.6	Same
Health insurance	Any private	2016	3.4	2019	3.1	-3.4	Improving	=====	=====	=====	=====	=====	=====
	Medicaid only	2016	3.9	2019	3.8	-1.2	No change	=====	Any private	3.1	3.8	22.6	Worse
	Medicare only	2016	3.5	2019	3.0	-5.0	Improving	=====			3.0	-4.2	Same
	Other insurance	2016	3.7	2019	3.3	-3.8	Improving	=====			3.3	6.8	Same
	Uninsured	2016	3.5	2019	3.0	-4.5	Improving	=====			3.0	-3.9	Same
Metropolitan status	Large fringe metro	2016	3.7	2019	3.2	-4.4	Improving	=====	=====	=====	=====	=====	=====
	Large central metro	2016	3.8	2019	3.5	-3.0	Improving	=====	Large fringe metro	3.2	3.5	8.1	Same
	Medium metro	2016	3.4	2019	3.0	-3.2	No change	=====			3.0	-6.9	Same
	Small metro	2016	3.2	2019	2.8	-4.0	Improving	=====			2.8	-11.8	Better
	Micropolitan	2016	3.2	2019	2.8	-2.6	No change	=====			2.8	-11.5	Better
	Noncore	2016	3.3	2019	2.7	-6.1	Improving	=====			2.7	-16.8	Better

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	2.8	2019	2.7	-1.3	Improving	=====	=====	=====	=====	=====	=====
	18-64	2016	3.2	2019	2.9	-3.0	Improving	=====	18-44	2.7	2.9	6.6	Same
	45-64	2016	3.3	2019	3.0	-3.4	Improving	=====			3.0	9.2	Same
	65 and over	2016	3.9	2019	3.4	-3.9	Improving	=====			3.4	23.8	Worse
	65-69	2016	3.6	2019	3.2	-4.2	Improving	=====			3.2	15.8	Worse
	70-74	2016	4.0	2019	3.4	-5.2	Improving	=====			3.4	23.1	Worse
	75-79	2016	4.0	2019	3.6	-3.3	No change	=====			3.6	30.8	Worse
	80-84	2016	4.1	2019	3.7	-3.0	Improving	=====			3.7	36.3	Worse
	85 and over	2016	3.7	2019	3.2	-3.7	No change	=====			3.2	17.9	Worse
Gender	Male	2016	3.7	2019	3.3	-3.9	Improving	=====	=====	=====	=====	=====	=====
	Female	2016	3.3	2019	3.0	-3.4	Improving	=====	Male	3.3	3.0	-8.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.9. Measure: Postoperative respiratory failure, prolonged mechanical ventilation, or reintubation per 1,000 elective-surgery admissions, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	5.7	2019	3.0	-18.8	Improving	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	5.7	2019	2.9	-19.4	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	5.7	2019	3.4	-16.2	Improving	=====	Non-Hispanic, White	2.9	3.4	13.9	Worse
	Non-Hispanic, API	2016	5.5	2019	3.2	-16.3	Improving	=====			3.2	8.2	Same
	Non-Hispanic, Black	2016	5.9	2019	3.3	-17.2	Improving	=====			3.3	13.3	Worse
Income	400% of PG or more	2016	4.7	2019	2.5	-18.4	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	6.4	2019	3.4	-18.9	Improving	=====	400% of PG or more	2.5	3.4	33.3	Worse
	100-199% of PG	2016	6.1	2019	3.2	-19.2	Improving	=====			3.2	26.2	Worse
	200-399% of PG	2016	5.4	2019	3.0	-18.2	Improving	=====			3.0	17.9	Worse
Health insurance	Any private	2016	4.8	2019	2.6	-18.8	Improving	=====	=====	=====	=====	=====	=====
	Medicaid only	2016	6.9	2019	3.7	-18.4	Improving	=====	Any private	2.6	3.7	44.2	Worse
	Medicare only	2016	7.4	2019	3.9	-19.2	Improving	=====			3.9	49.6	Worse
	Other insurance	2016	5.2	2019	2.9	-17.7	Improving	=====			2.9	12.0	Same
	Uninsured	2016	4.9	2019	3.0	-13.1	Improving	=====			3.0	17.4	Same
Metropolitan status	Large fringe metro	2016	5.2	2019	2.9	-18.0	Improving	=====	=====	=====	=====	=====	=====
	Large central metro	2016	5.7	2019	3.0	-19.8	Improving	=====	Large fringe metro	2.9	3.0	2.4	Same
	Medium metro	2016	5.8	2019	3.2	-17.5	Improving	=====			3.2	11.1	Worse
	Small metro	2016	5.9	2019	3.1	-19.2	Improving	=====			3.1	8.0	Same
	Micropolitan	2016	6.0	2019	3.1	-19.3	Improving	=====			3.1	8.7	Same
	Noncore	2016	6.0	2019	3.1	-19.5	Improving	=====			3.1	7.6	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	3.8	2019	2.1	-18.4	Improving	=====	=====	=====	=====	=====	=====
	18-64	2016	4.8	2019	2.6	-18.4	Improving	=====	18-44	2.1	2.6	26.0	Worse
	45-64	2016	5.1	2019	2.8	-18.3	Improving	=====			2.8	33.2	Worse
	65 and over	2016	6.6	2019	3.5	-19.0	Improving	=====			3.5	67.3	Worse
	65-69	2016	6.1	2019	3.1	-20.0	Improving	=====			3.1	48.1	Worse
	70-74	2016	6.5	2019	3.4	-19.4	Improving	=====			3.4	61.5	Worse
	75-79	2016	7.1	2019	3.8	-18.8	Improving	=====			3.8	81.7	Worse
	80-84	2016	7.2	2019	3.9	-17.8	Improving	=====			3.9	86.1	Worse
	85 and over	2016	7.5	2019	4.3	-16.4	Improving	=====			4.3	107.7	Worse
Gender	Male	2016	6.1	2019	3.3	-18.7	Improving	=====	=====	=====	=====	=====	=====
	Female	2016	5.3	2019	2.8	-18.9	Improving	=====	Male	3.3	2.8	-13.5	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.10. Measure: Postoperative acute kidney injury requiring dialysis per 1,000 elective-surgery admissions, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	1.0	2019	0.8	-6.2	Improving	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	1.0	2019	0.8	-5.9	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	1.2	2019	0.8	-10.2	No change	=====	Non-Hispanic, White	0.8	0.8	1.3	Same
	Non-Hispanic, API	2016	1.1	2019	0.8	-10.4	No change	=====			0.8	-6.3	Same
	Non-Hispanic, Black	2016	1.2	2019	1.0	-4.5	Improving	=====			1.0	26.3	Worse
Income	400% of PG or more	2016	0.9	2019	0.8	-4.4	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	1.1	2019	0.9	-6.0	Improving	=====	400% of PG or more	0.8	0.9	15.4	Worse
	100-199% of PG	2016	1.0	2019	0.8	-7.0	Improving	=====			0.8	5.1	Same
	200-399% of PG	2016	0.9	2019	0.8	-5.2	Improving	=====			0.8	2.6	Same
Health insurance	Any private	2016	1.0	2019	0.8	-6.5	Improving	=====	=====	=====	=====	=====	=====
	Medicaid only	2016	1.3	2019	1.0	-6.1	No change	=====	Any private	0.8	1.0	27.5	Worse
	Medicare only	2016	1.1	2019	1.0	-2.7	No change	=====			1.0	30.0	Worse
	Other insurance	2016	1.1	2019	0.8	-9.1	No change	=====			0.8	-3.8	Same
	Uninsured	2016	0.6	2019	0.7	10.5	No change	=====			0.7	-13.8	Same
Metropolitan status	Large fringe metro	2016	1.0	2019	0.9	-4.6	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	1.0	2019	0.9	-4.3	Improving	=====	Large fringe metro	0.9	0.9	0.0	Same
	Medium metro	2016	1.0	2019	0.7	-8.1	No change	=====			0.7	-14.1	Better
	Small metro	2016	1.0	2019	0.9	-5.7	No change	=====			0.9	1.2	Same
	Micropolitan	2016	1.1	2019	0.8	-8.1	No change	=====			0.8	-3.5	Same
	Noncore	2016	1.0	2019	0.9	-5.5	No change	=====			0.9	3.5	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	0.5	2019	0.5	-0.1	No change	=====					
	18-64	2016	0.8	2019	0.7	-5.0	No change	=====	18-44	0.5	0.7	42.0	Worse
	45-64	2016	0.9	2019	0.8	-5.7	No change	=====			0.8	52.0	Worse
	65 and over	2016	1.1	2019	0.9	-6.1	Improving	=====			0.9	80.0	Worse
	65-69	2016	1.1	2019	0.9	-4.8	Improving	=====			0.9	88.0	Worse
	70-74	2016	1.1	2019	1.0	-4.6	Improving	=====			1.0	94.0	Worse
	75-79	2016	1.3	2019	0.9	-9.7	Improving	=====			0.9	84.0	Worse
	80-84	2016	1.0	2019	0.9	-4.0	No change	=====			0.9	76.0	Worse
	85 and over	2016	0.8	2019	0.6	-7.8	Improving	=====			0.6	18.0	Same
Gender	Male	2016	1.1	2019	0.9	-7.0	Improving	=====					
	Female	2016	0.9	2019	0.8	-3.8	No change	=====	Male	0.9	0.8	-9.3	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.11. Measure: Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	0.1	2019	0.1	-3.9	No change	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	0.1	2019	0.1	-3.5	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	0.1	2019	0.1	-1.8	No change	=====	Non-Hispanic, White	0.1	0.1	-37.5	Same
	Non-Hispanic, API	2016	0.1	2018	0.1	-----	-----	=====			-----	-----	-----
	Non-Hispanic, Black	2016	0.1	2019	0.1	-2.2	No change	=====			0.1	-37.5	Same
Income	400% of PG or more	2016	0.1	2019	0.1	-1.5	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	0.1	2019	0.1	0.0	No change	=====	400% of PG or more	0.1	0.1	33.3	Same
	100-199% of PG	2016	0.1	2019	0.1	-7.3	Improving	=====			0.1	16.7	Same
	200-399% of PG	2016	0.1	2019	0.1	0.0	No change	=====			0.1	16.7	Same
Health insurance	Any private	2016	0.1	2019	0.1	-3.6	No change	=====	=====	=====	=====	=====	=====
	Medicaid only	2016	0.1	2019	0.1	4.7	No change	=====	Any private	0.1	0.1	80.0	Worse
	Medicare only	2016	0.1	2019	0.1	-1.4	No change	=====			0.1	140.0	Worse
	Other insurance	2016	0.1	2019	0.1	4.6	No change	=====			0.1	80.0	Worse
	Uninsured	2016	0.1	2019	0.1	-8.3	No change	=====			0.1	20.0	Same
Metropolitan status	Large fringe metro	2016	0.1	2019	0.1	0.0	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	0.1	2019	0.1	-4.5	No change	=====	Large fringe metro	0.1	0.1	0.0	Same
	Medium metro	2016	0.1	2019	0.1	-3.5	No change	=====			0.1	33.3	Same
	Small metro	2016	0.1	2019	0.1	-4.8	No change	=====			0.1	33.3	Same
	Micropolitan	2016	0.1	2019	0.1	-6.5	Improving	=====			0.1	33.3	Same
	Noncore	2016	0.1	2019	0.1	-3.8	No change	=====			0.1	66.7	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	45-64	2016	0.1	2019	0.1	0.0	No change	=====					
	18-64	2016	0.0	2019	0.0	0.0	No change	=====	45-64	0.1	0.0	-20.0	Same
	65 and over	2016	0.1	2019	0.1	-2.8	No change	=====			0.1	100.0	Same
	65-69	2016	0.1	2019	0.1	-4.5	No change	=====			0.1	20.0	Same
	70-74	2016	0.1	2019	0.1	0.0	No change	=====			0.1	60.0	Same
	75-79	2016	0.1	2019	0.1	-2.0	No change	=====			0.1	100.0	Worse
	80-84	2016	0.1	2019	0.1	-3.3	No change	=====			0.1	120.0	Worse
	85 and over	2016	0.2	2019	0.1	-7.8	Improving	=====			0.1	140.0	Worse
Gender	Male	2016	0.1	2019	0.1	0.0	No change	=====					
	Female	2016	0.1	2019	0.1	-1.2	No change	=====	Male	0.1	0.1	50.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.12. Measure: Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 0.5 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	0.7	2019	0.7	-0.5	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	0.7	2019	0.7	-0.2	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	0.7	2019	0.7	0.5	No change	No progress	Non-Hispanic, White	0.7	0.7	-2.7	Same
	Non-Hispanic, API	2016	0.6	2017	0.8	-----	-----	No Benchmark			-----	-----	-----
	Non-Hispanic, Black	2016	0.6	2019	0.7	0.5	No change	No progress			0.7	-9.5	Same
Income	400% of PG or more	2016	0.6	2019	0.6	4.2	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	0.8	2019	0.8	-2.2	No change	No progress	400% of PG or more	0.6	0.8	26.2	Worse
	100-199% of PG	2016	0.7	2019	0.8	0.1	No change	No progress			0.8	24.6	Worse
	200-399% of PG	2016	0.7	2019	0.7	-0.8	No change	No progress			0.7	18.0	Same
Health insurance	Any private	2016	0.6	2019	0.6	-3.0	No change	No progress	=====	=====	=====	=====	=====
	Medicaid only	2016	1.0	2019	0.9	-3.9	No change	No progress	Any private	0.6	0.9	54.4	Worse
	Medicare only	2016	0.8	2019	1.2	8.6	No change	No progress			1.2	103.5	Worse
	Other insurance	2016	0.6	2019	0.5	-3.0	No change	No progress			0.5	-8.8	Same
	Uninsured	2016	0.7	2019	0.7	3.6	No change	No progress			0.7	26.3	Same
Metropolitan status	Large fringe metro	2016	0.6	2019	0.6	-0.4	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	0.6	2019	0.7	3.2	Worsening	No progress	Large fringe metro	0.6	0.7	18.3	Same
	Medium metro	2016	0.8	2019	0.8	-1.4	No change	No progress			0.8	38.3	Worse
	Small metro	2016	0.8	2019	0.7	-4.6	No change	No progress			0.7	16.7	Same
	Micropolitan	2016	0.8	2019	0.8	-0.9	No change	No progress			0.8	25.0	Worse
	Noncore	2016	0.9	2019	0.9	-2.7	No change	No progress			0.9	41.7	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	0.5	2019	0.6	8.7	No change	No progress	=====	=====	=====	=====	=====
	18-64	2016	0.7	2019	0.7	0.4	No change	No progress	18-44	0.6	0.7	20.7	Worse
	45-64	2016	0.8	2019	0.8	-2.1	No change	No progress			0.8	29.3	Worse
	65 and over	2016	0.8	2019	0.8	-0.9	No change	No progress			0.8	31.0	Worse
	65-69	2016	0.8	2019	0.8	2.1	No change	No progress			0.8	44.8	Worse
	70-74	2016	0.8	2019	0.8	-3.6	No change	No progress			0.8	39.7	Worse
	75-79	2016	0.9	2019	0.7	-3.0	No change	No progress			0.7	22.4	Same
	80-84	2016	0.7	2019	0.7	-1.7	No change	No progress			0.7	20.7	Same
	85 and over	2016	0.6	2019	0.6	1.8	No change	No progress			0.6	5.2	Same
Gender	Male	2016	1.0	2019	1.0	-0.5	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	0.5	2019	0.5	-0.2	No change	No progress	Male	1.0	0.5	-51.0	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.13. Measure: Adult inpatients who sustained one or more adverse outcomes from one or more operating room procedures or instance of anesthesia during stay

Source: Quality and Safety Review System

Benchmark was not available.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	1.2	2020	1.2	-----	-----	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2020	1.1	2020	1.1	-----	-----	=====	=====	=====	=====	=====	=====
Gender	Male	2020	1.5	2020	1.5	-----	-----	=====	=====	=====	=====	=====	=====

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.14. Measure: Home health care patients whose surgical wound improved

Source: Outcome and Assessment Information Set

Benchmark was 93.1 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	89.3	2020	92.4	-5.4	Improving	1 year	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	89.6	2020	93.0	-6.1	Improving	0 years	=====	=====	=====	=====	=====
	Hispanic, all races	2013	87.6	2020	89.4	-3.2	Improving	10 years	Non-Hispanic, White	93.0	89.4	51.4	Worse
	Non-Hispanic, AI/AN	2013	87.2	2020	88.2	-2.0	No change	No progress			88.2	68.6	Worse
	Non-Hispanic, Asian	2013	88.7	2020	90.5	-2.6	Improving	10 years			90.5	35.7	Worse
	Non-Hispanic, NHPI	2013	88.5	2020	90.0	-2.9	Improving	No progress			90.0	42.9	Worse
	Non-Hispanic, Black	2013	88.3	2020	90.7	-4.2	Improving	5 years			90.7	32.9	Worse
	Non-Hispanic, multiple races	2013	84.7	2020	87.5	-3.6	Improving	11 years			87.5	78.6	Worse
Age	0-64	2013	86.1	2020	89.5	-4.4	Improving	6 years	=====	=====	=====	=====	=====
	65-74	2013	89.4	2020	92.8	-5.9	Improving	1 year	0-64	89.5	92.8	-31.4	Better
	75-84	2013	90.6	2020	93.5	-6.0	Improving	Reached			93.5	-38.1	Better
	85 and over	2013	91.8	2020	93.8	-4.5	Improving	Reached			93.8	-41.0	Better
Gender	Male	2013	88.5	2020	91.8	-5.3	Improving	2 years	=====	=====	=====	=====	=====
	Female	2013	89.9	2020	92.9	-5.5	Improving	0 years	Male	91.8	92.9	-13.4	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Patient Safety
Section: Other Complications of Hospital Care

Appendix Table 4.15. Measure: Composite measure: Bloodstream infections or mechanical adverse events in adult patients receiving central venous catheter placement

Source: Quality and Safety Review System

Benchmark was not available.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	1.9	2020	1.9	-----	-----	=====		=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2020	2.0	2020	2.0	-----	-----	=====		=====	=====	=====	=====
Gender	Female	2020	2.8	2020	2.8	-----	-----	=====	Male	-----	-----	-----	-----

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.16. Measure: Bloodstream infection in adult patients receiving central venous catheter placement

Source: Quality and Safety Review System

Benchmark was not available.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	1.6	2020	1.6	-----	-----	=====	=====	=====	=====	=====	=====

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.17. Measure: Accidental puncture or laceration during a procedure per 1,000 medical and surgical admissions, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening Disparities: ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	1.0	2019	0.9	-2.1	No change	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	1.0	2019	0.9	-2.5	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	1.1	2019	1.0	-5.9	No change	=====	Non-Hispanic, White	0.9	1.0	10.2	Same
	Non-Hispanic, API	2016	1.3	2019	1.1	-5.4	No change	=====			1.1	28.4	Worse
	Non-Hispanic, Black	2016	1.0	2019	1.1	1.4	No change	=====			1.1	21.6	Worse
Income	400% of PG or more	2016	1.0	2019	0.9	-1.4	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	1.0	2019	0.9	-3.7	No change	=====	400% of PG or more	0.9	0.9	2.2	Same
	100-199% of PG	2016	1.0	2019	0.9	-2.0	No change	=====			0.9	0.0	Same
	200-399% of PG	2016	1.0	2019	1.0	-0.9	No change	=====			1.0	5.5	Same
Health insurance	Any private	2016	0.9	2019	0.9	-1.6	No change	=====	=====	=====	=====	=====	=====
	Medicaid only	2016	1.1	2019	1.0	-3.8	No change	=====	Any private	0.9	1.0	20.0	Worse
	Medicare only	2016	1.1	2019	1.2	1.5	No change	=====			1.2	45.9	Worse
	Other insurance	2016	1.1	2019	1.1	-2.8	No change	=====			1.1	25.9	Worse
	Uninsured	2016	1.0	2019	0.9	-4.4	No change	=====			0.9	5.9	Same
Metropolitan status	Large fringe metro	2016	1.0	2019	0.9	-2.3	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	1.0	2019	1.0	-1.0	No change	=====	Large fringe metro	0.9	1.0	6.7	Same
	Medium metro	2016	1.0	2019	0.9	-2.8	No change	=====			0.9	2.2	Same
	Small metro	2016	1.0	2019	0.9	-3.9	Improving	=====			0.9	2.2	Same
	Micropolitan	2016	1.0	2019	0.9	-2.9	No change	=====			0.9	4.4	Same
	Noncore	2016	0.9	2019	0.9	-0.1	No change	=====			0.9	3.3	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	0.8	2019	0.8	-2.0	No change	=====	=====	=====	=====	=====	=====
	18-64	2016	0.9	2019	0.9	-1.7	No change	=====	18-44	0.8	0.9	17.1	Worse
	45-64	2016	1.0	2019	0.9	-1.8	No change	=====			0.9	23.7	Worse
	65 and over	2016	1.1	2019	1.0	-2.2	No change	=====			1.0	28.9	Worse
	65-69	2016	1.0	2019	0.9	-4.5	No change	=====			0.9	18.4	Worse
	70-74	2016	1.1	2019	1.1	-0.4	No change	=====			1.1	40.8	Worse
	75-79	2016	1.1	2019	1.0	-2.7	No change	=====			1.0	36.8	Worse
	80-84	2016	1.1	2019	1.0	-1.8	No change	=====			1.0	28.9	Worse
	85 and over	2016	1.0	2019	0.9	-2.3	No change	=====			0.9	14.5	Same
Gender	Male	2016	0.9	2019	0.9	-0.1	No change	=====	=====	=====	=====	=====	=====
	Female	2016	1.0	2019	0.9	-3.6	No change	=====	Male	0.9	0.9	0.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.18. Measure: Accidental puncture or laceration during a procedure per 1,000 medical and surgical admissions, age less than 18 years

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	0.3	2019	0.3	-3.1	Improving	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	0.3	2019	0.3	-2.0	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	0.4	2019	0.3	-8.6	Improving	=====	Non-Hispanic, White	0.3	0.3	-3.4	Same
	Non-Hispanic, API	2016	0.3	2019	0.3	-3.6	No change	=====			0.3	-3.4	Same
	Non-Hispanic, Black	2016	0.3	2019	0.3	-3.1	No change	=====			0.3	6.9	Same
Income	400% of PG or more	2016	0.3	2019	0.3	2.2	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	0.3	2019	0.3	-4.0	No change	=====	400% of PG or more	0.3	0.3	-9.1	Same
	100-199% of PG	2016	0.3	2019	0.3	-2.7	No change	=====			0.3	-9.1	Same
	200-399% of PG	2016	0.4	2019	0.3	-7.8	Improving	=====			0.3	-18.2	Better
Health insurance	Any private	2016	0.3	2019	0.3	0.0	No change	=====	=====	=====	=====	=====	=====
	Medicaid only	2016	0.3	2019	0.3	-3.3	Improving	=====	Any private	0.3	0.3	3.3	Same
	Other insurance	2016	0.4	2019	0.3	-15.4	No change	=====			0.3	-16.7	Same
	Uninsured	2016	0.4	2019	0.3	-5.5	No change	=====			0.3	-3.3	Same
Metropolitan status	Large fringe metro	2016	0.3	2019	0.3	-4.1	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	0.3	2019	0.3	-2.1	No change	=====	Large fringe metro	0.3	0.3	11.1	Same
	Medium metro	2016	0.4	2019	0.3	-4.6	No change	=====			0.3	18.5	Same
	Small metro	2016	0.4	2019	0.3	-5.9	No change	=====			0.3	22.2	Same
	Micropolitan	2016	0.3	2019	0.3	2.4	No change	=====			0.3	18.5	Same
	Noncore	2016	0.3	2019	0.3	3.8	No change	=====			0.3	22.2	Same
Age	0-4	2016	0.3	2019	0.3	-2.6	No change	=====	=====	=====	=====	=====	=====
	5-9	2016	0.4	2019	0.3	-12.1	Improving	=====	0-4	0.3	0.3	-6.9	Same
	10-14	2016	0.3	2019	0.4	3.8	No change	=====			0.4	24.1	Worse
	15-17	2016	0.4	2019	0.3	-3.0	No change	=====			0.3	10.3	Same
Gender	Male	2016	0.4	2019	0.3	-4.3	Improving	=====	=====	=====	=====	=====	=====
	Female	2016	0.3	2019	0.3	-0.3	No change	=====	Male	0.3	0.3	-12.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.19. Measure: Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 0.2 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	0.2	2019	0.2	-11.3	Improving	Reached	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	0.2	2019	0.2	-11.3	Improving	Reached	=====	=====	=====	=====	=====
	Hispanic, all races	2016	0.2	2019	0.2	-10.9	Improving	No progress	Non-Hispanic, White	0.2	0.2	-6.3	Same
	Non-Hispanic, API	2016	0.2	2019	0.2	-10.3	Improving	No progress			0.2	0.0	Same
	Non-Hispanic, Black	2016	0.2	2019	0.2	-8.4	Improving	No progress			0.2	-6.3	Same
Income	400% of PG or more	2016	0.2	2019	0.2	-11.8	Improving	Reached	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	0.2	2019	0.2	-10.1	Improving	Reached	400% of PG or more	0.2	0.2	6.7	Same
	100-199% of PG	2016	0.2	2019	0.2	-11.3	Improving	Reached			0.2	6.7	Same
	200-399% of PG	2016	0.2	2019	0.2	-10.1	Improving	Reached			0.2	0.0	Same
Health insurance	Any private	2016	0.2	2019	0.2	-11.8	Improving	Reached	=====	=====	=====	=====	=====
	Medicaid only	2016	0.2	2019	0.2	-12.9	Improving	Reached	Any private	0.2	0.2	0.0	Same
	Medicare only	2016	0.2	2019	0.2	-11.3	Improving	Reached			0.2	6.7	Same
	Other insurance	2016	0.2	2019	0.2	-10.3	No change	No progress			0.2	0.0	Same
	Uninsured	2016	0.2	2019	0.1	-7.1	No change	No progress			0.1	-13.3	Same
Metropolitan status	Large fringe metro	2016	0.2	2019	0.1	-12.4	Improving	Reached	=====	=====	=====	=====	=====
	Large central metro	2016	0.2	2019	0.2	-10.1	Improving	Reached	Large fringe metro	0.1	0.2	7.1	Same
	Medium metro	2016	0.2	2019	0.2	-11.9	Improving	Reached			0.2	14.3	Same
	Small metro	2016	0.2	2019	0.2	-10.1	Improving	0 years			0.2	21.4	Worse
	Micropolitan	2016	0.2	2019	0.2	-7.3	Improving	No progress			0.2	28.6	Worse
	Noncore	2016	0.2	2019	0.2	-14.1	Improving	Reached			0.2	7.1	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	0.2	2019	0.1	-14.0	Improving	Reached	=====	=====	=====	=====	=====
	18-64	2016	0.2	2019	0.1	-11.9	Improving	Reached	18-44	0.1	0.1	8.3	Same
	45-64	2016	0.2	2019	0.1	-10.7	Improving	Reached			0.1	16.7	Same
	65 and over	2016	0.2	2019	0.2	-9.6	Improving	No progress			0.2	41.7	Worse
	65-69	2016	0.2	2019	0.2	-8.4	Improving	0 years			0.2	41.7	Worse
	70-74	2016	0.2	2019	0.2	-7.1	Improving	0 years			0.2	41.7	Worse
	75-79	2016	0.2	2019	0.2	-10.5	Improving	No progress			0.2	50.0	Worse
	80-84	2016	0.3	2019	0.2	-10.9	Improving	No progress			0.2	41.7	Worse
	85 and over	2016	0.2	2019	0.2	-8.7	Improving	No progress			0.2	41.7	Worse
Gender	Male	2016	0.2	2019	0.1	-10.5	Improving	Reached	=====	=====	=====	=====	=====
	Female	2016	0.3	2019	0.2	-12.8	Improving	0 years	Male	0.1	0.2	30.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.20. Measure: Deaths per 1,000 elective-surgery admissions who developed serious treatable complications of care during hospitalization, ages 18-89 or obstetric admissions

Source: Healthcare Cost and Utilization Project

Benchmark was 129.1 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	148.6	2019	134.0	-3.4	Improving	1 year	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	148.8	2019	134.4	-3.3	Improving	1 year	=====	=====	=====	=====	=====
	Hispanic, all races	2016	149.6	2019	132.1	-4.3	Improving	0 years	Non-Hispanic, White	134.4	132.1	-1.7	Same
	Non-Hispanic, API	2016	152.6	2019	130.1	-4.9	Improving	No progress			130.1	-3.2	Same
	Non-Hispanic, Black	2016	145.2	2019	133.5	-2.9	Improving	No progress			133.5	-0.7	Same
Income	400% of PG or more	2016	141.4	2019	128.4	-3.5	Improving	Reached	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	154.4	2019	138.2	-3.5	Improving	2 years	400% of PG or more	128.4	138.2	7.6	Same
	100-199% of PG	2016	149.5	2019	134.1	-3.5	Improving	1 year			134.1	4.4	Same
	200-399% of PG	2016	145.7	2019	132.9	-3.1	Improving	1 year			132.9	3.5	Same
Health insurance	Any private	2016	137.2	2019	125.8	-2.8	Improving	Reached	=====	=====	=====	=====	=====
	Medicaid only	2016	155.8	2019	136.9	-4.3	Improving	1 year	Any private	125.8	136.9	8.8	Same
	Medicare only	2016	151.8	2019	141.0	-2.5	Improving	3 years			141.0	12.1	Worse
	Other insurance	2016	148.5	2019	149.6	-0.2	No change	No progress			149.6	18.9	Worse
	Uninsured	2016	189.2	2019	168.6	-3.6	No change	No progress			168.6	34.0	Worse
Metropolitan status	Large fringe metro	2016	141.6	2019	128.0	-3.4	Improving	Reached	=====	=====	=====	=====	=====
	Large central metro	2016	147.7	2019	130.9	-3.9	Improving	0 years	Large fringe metro	128.0	130.9	2.3	Same
	Medium metro	2016	153.2	2019	140.6	-2.9	Improving	3 years			140.6	9.8	Same
	Small metro	2016	150.6	2019	138.6	-2.9	No change	No progress			138.6	8.3	Same
	Micropolitan	2016	154.8	2019	136.1	-4.0	Improving	1 year			136.1	6.3	Same
	Noncore	2016	152.2	2019	140.6	-2.5	Improving	3 years			140.6	9.8	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	107.1	2019	100.7	-2.3	No change	No progress	=====	=====	=====	=====	=====
	18-64	2016	125.8	2019	115.9	-2.8	Improving	Reached	18-44	100.7	115.9	15.1	Worse
	45-64	2016	131.3	2019	120.6	-2.8	Improving	Reached			120.6	19.8	Worse
	65-89	2016	165.1	2019	148.5	-3.4	Improving	4 years			148.5	47.5	Worse
	65-69	2016	146.2	2019	134.2	-3.0	Improving	1 year			134.2	33.3	Worse
	70-74	2016	156.5	2019	142.2	-3.0	Improving	3 years			142.2	41.2	Worse
	75-79	2016	164.9	2019	150.4	-2.9	Improving	5 years			150.4	49.4	Worse
	80-84	2016	180.7	2019	162.3	-3.4	Improving	6 years			162.3	61.2	Worse
Gender	Male	2016	149.2	2019	133.7	-3.5	Improving	1 year	=====	=====	=====	=====	=====
	Female	2016	147.8	2019	134.6	-3.2	Improving	1 year	Male	133.7	134.6	0.7	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.21. Measure: Deaths per 1,000 hospital admissions with expected low mortality, age 18 and over or obstetric admissions

Source: Healthcare Cost and Utilization Project

Benchmark was 0.4 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	0.6	2019	0.5	-7.0	Improving	2 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	0.6	2019	0.5	-7.2	Improving	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	0.5	2019	0.4	-8.5	No change	No progress	Non-Hispanic, White	0.5	0.4	-22.2	Same
	Non-Hispanic, API	2016	0.5	2019	0.5	-3.5	No change	No progress			0.5	2.2	Same
	Non-Hispanic, Black	2016	0.6	2019	0.5	-5.9	No change	No progress			0.5	8.9	Same
Income	400% of PG or more	2016	0.5	2019	0.4	-9.9	Improving	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	0.6	2019	0.5	-5.2	No change	No progress	400% of PG or more	0.4	0.5	37.8	Worse
	100-199% of PG	2016	0.6	2019	0.4	-11.0	Improving	1 year			0.4	18.9	Same
	200-399% of PG	2016	0.5	2019	0.4	-2.7	No change	No progress			0.4	16.2	Same
Health insurance	Any private	2016	0.6	2019	0.5	-5.3	No change	No progress	=====	=====	=====	=====	=====
	Medicaid only	2016	0.7	2019	0.5	-8.2	Improving	No progress	Any private	0.5	0.5	6.3	Same
	Medicare only	2016	0.7	2019	0.6	-5.1	No change	No progress			0.6	27.1	Same
	Other insurance	2016	0.7	2019	0.5	-8.6	No change	No progress			0.5	10.4	Same
	Uninsured	2016	0.6	2019	0.5	-0.8	No change	No progress			0.5	10.4	Same
Metropolitan status	Large fringe metro	2016	0.5	2019	0.4	-7.1	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	0.5	2019	0.4	-7.2	Improving	No progress	Large fringe metro	0.4	0.4	-5.0	Same
	Medium metro	2016	0.6	2019	0.5	-5.2	No change	No progress			0.5	20.0	Same
	Small metro	2016	0.6	2019	0.4	-10.1	No change	No progress			0.4	2.5	Same
	Micropolitan	2016	0.7	2019	0.6	-4.0	No change	No progress			0.6	47.5	Worse
	Noncore	2016	1.0	2019	0.7	-9.2	Improving	4 years			0.7	82.5	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	0.2	2019	0.2	7.7	No change	No progress	=====	=====	=====	=====	=====
	18-64	2016	0.3	2019	0.3	-3.5	Improving	Reached	18-44	0.2	0.3	22.7	Same
	45-64	2016	0.4	2019	0.3	-6.5	Improving	No progress			0.3	40.9	Worse
	65 and over	2016	0.8	2019	0.6	-8.2	No change	No progress			0.6	186.4	Worse
	65-69	2016	0.5	2019	0.5	0.2	No change	No progress			0.5	104.5	Worse
	70-74	2016	0.6	2019	0.5	-2.8	No change	No progress			0.5	131.8	Worse
	75-79	2016	0.7	2019	0.5	-12.5	Improving	No progress			0.5	109.1	Worse
	80-84	2016	0.9	2019	0.6	-11.8	No change	No progress			0.6	168.2	Worse
	85 and over	2016	1.3	2019	1.1	-7.9	No change	No progress			1.1	381.8	Worse
Gender	Male	2016	0.7	2019	0.5	-7.9	Improving	3 years	=====	=====	=====	=====	=====
	Female	2016	0.5	2019	0.4	-6.4	No change	No progress	Male	0.5	0.4	-23.5	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.22. Measure: In-hospital deaths per 100,000 delivery hospitalizations, women ages 12-55

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	6.0	2019	5.3	-3.9	No change	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	3.7	2019	3.5	-1.0	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	7.5	2019	4.9	-13.1	Improving	=====	Non-Hispanic, White	3.5	4.9	42.2	Same
	Non-Hispanic, API	2016	9.0	2019	9.3	5.2	No change	=====			9.3	168.8	Worse
	Non-Hispanic, Black	2016	9.5	2019	9.4	-3.6	No change	=====			9.4	170.8	Worse
Income	400% of PG or more	2016	4.2	2019	4.4	1.6	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	7.4	2019	6.8	-3.8	No change	=====	400% of PG or more	4.4	6.8	55.9	Worse
	100-199% of PG	2016	5.9	2019	5.4	-1.0	No change	=====			5.4	22.8	Same
	200-399% of PG	2016	6.0	2019	4.4	-10.1	Improving	=====			4.4	0.0	Same
Health insurance	Any private	2016	4.5	2019	3.7	-6.8	Improving	=====	=====	=====	=====	=====	=====
	Medicaid only	2016	7.5	2019	6.5	-4.6	No change	=====	Any private	3.7	6.5	78.4	Worse
	Other insurance	2016	4.3	2019	6.7	22.3	No change	=====			6.7	83.6	Same
	Uninsured	2016	12.2	2019	8.2	-10.3	No change	=====			8.2	124.0	Same
Metropolitan status	Large fringe metro	2016	5.0	2019	4.8	0.6	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	6.4	2019	6.6	0.7	No change	=====	Large fringe metro	4.8	6.6	37.4	Same
	Medium metro	2016	8.2	2019	4.8	-17.4	Improving	=====			4.8	0.4	Same
	Small metro	2016	3.7	2019	3.1	-1.6	No change	=====			3.1	-34.7	Same
	Micropolitan	2016	4.9	2019	3.5	-8.0	No change	=====			3.5	-26.2	Same
	Noncore	2016	5.6	2019	8.5	6.1	No change	=====			8.5	78.7	Same
Age	18-24	2016	4.6	2019	2.6	-16.5	Improving	=====	=====	=====	=====	=====	=====
	10-17	2016	7.6	2019	0.0	-90.2	Improving	=====	18-24	2.6	0.0	-100.0	Better
	25-34	2016	4.9	2019	5.2	0.2	No change	=====			5.2	96.6	Worse
	35-55	2016	11.7	2019	9.5	-4.8	No change	=====			9.5	260.8	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.23. Measure: Adult inpatients who sustained one or more adverse outcomes related to receipt of blood or blood product transfusion

Source: Quality and Safety Review System

Benchmark was not available.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	2.3	2020	2.3	-----	-----	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2020	2.5	2020	2.5	-----	-----	=====	=====	=====	=====	=====	=====

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.24. Measure: Adult inpatients with one or more falls during hospital stay

Source: Quality and Safety Review System

Benchmark was not available.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	1.2	2020	1.2	-----	-----	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2020	1.2	2020	1.2	-----	-----	=====	=====	=====	=====	=====	=====
Age	65-74	2020	1.0	2020	1.0	-----	-----	=====	=====	=====	=====	=====	=====
	75-84	2020	1.4	2020	1.4	-----	-----	=====	65-74	1.0	1.4	45.9	Same
	85 and over	2020	1.1	2020	1.1	-----	-----	=====			1.1	11.2	Same
Gender	Male	2020	1.2	2020	1.2	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2020	1.2	2020	1.2	-----	-----	=====	Male	1.2	1.2	-0.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.25. Measure: Adult inpatients with a new diagnosis of deep vein thrombosis or pulmonary embolism not related to surgery, or that arose during hospital stay

Source: Quality and Safety Review System

Benchmark was not available.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	0.5	2020	0.5	-----	-----	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2020	0.4	2020	0.4	-----	-----	=====	=====	=====	=====	=====	=====

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Patient Safety
Section: Complications of Medication

Appendix Table 4.26. Measure: Adverse drug event with IV heparin in adult hospital patients who received an anticoagulant
 Source: Quality and Safety Review System
 Benchmark was not available.
 Disparity Year: 2020
 Note: Lower estimates are better for this measure. The unit of measurement is percentage.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	4.4	2020	4.4	-----	-----	=====	=====	=====	=====	=====	=====

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.27. Measure: Hospital patients with an anticoagulant-related adverse drug event to low-molecular-weight heparin and factor Xa

Source: Quality and Safety Review System

Benchmark was not available.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	1.0	2020	1.0	-----	-----	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2020	0.8	2020	0.8	-----	-----	=====	=====	=====	=====	=====	=====
Gender	Male	2020	1.0	2020	1.0	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2020	1.1	2020	1.1	-----	-----	=====	Male	1.0	1.1	12.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.28. Measure: Hospital patients who received a hypoglycemic agent who had an adverse drug event with hypoglycemic agents

Source: Quality and Safety Review System

Benchmark was not available.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	5.3	2020	5.3	-----	-----	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2020	4.3	2020	4.3	-----	-----	=====	=====	=====	=====	=====	=====
	Non-Hispanic, Black	2020	11.7	2020	11.7	-----	-----	=====	Non-Hispanic, White	4.3	11.7	171.3	Worse
Age	Under 65	2020	5.5	2020	5.5	-----	-----	=====	=====	=====	=====	=====	=====
	65-74	2020	4.5	2020	4.5	-----	-----	=====	Under 65	5.5	4.5	-18.5	Same
	75-84	2020	5.6	2020	5.6	-----	-----	=====			5.6	2.6	Same
	85 and over	2020	6.6	2020	6.6	-----	-----	=====			6.6	21.6	Same
Gender	Male	2020	5.5	2020	5.5	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2020	5.0	2020	5.0	-----	-----	=====	Male	5.5	5.0	-9.3	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.29. Measure: Home health care patients whose management of oral medications improved

Source: Outcome and Assessment Information Set

Benchmark was 66.2 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	51.9	2020	77.7	-11.1	Improving	Reached	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	53.3	2020	78.5	-11.3	Improving	Reached	=====	=====	=====	=====	=====
	Hispanic, all races	2013	40.6	2020	70.0	-9.9	Improving	Reached	Non-Hispanic, White	78.5	70.0	39.5	Worse
	Non-Hispanic, AI/AN	2013	52.1	2020	75.9	-10.4	Improving	Reached			75.9	12.1	Worse
	Non-Hispanic, Asian	2013	47.3	2020	68.6	-7.7	Improving	Reached			68.6	46.0	Worse
	Non-Hispanic, NHPI	2013	49.7	2020	72.3	-8.8	Improving	Reached			72.3	28.8	Worse
	Non-Hispanic, Black	2013	52.8	2020	79.0	-11.6	Improving	Reached			79.0	-2.3	Same
	Non-Hispanic, multiple races	2013	45.6	2020	69.6	-8.6	Improving	Reached			69.6	41.4	Worse
Age	0-64	2013	57.8	2020	82.2	-12.1	Improving	Reached	=====	=====	=====	=====	=====
	65-74	2013	62.5	2020	84.7	-13.0	Improving	Reached	0-64	82.2	84.7	-14.0	Better
	75-84	2013	53.2	2020	78.8	-11.5	Improving	Reached			78.8	19.1	Worse
	85 and over	2013	40.6	2020	67.7	-8.9	Improving	Reached			67.7	81.5	Worse
Gender	Male	2013	52.1	2020	77.5	-10.9	Improving	Reached	=====	=====	=====	=====	=====
	Female	2013	51.8	2020	77.8	-11.3	Improving	Reached	Male	77.5	77.8	-1.3	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Patient Safety
Section: Birth-Related Complications

Appendix Table 4.30. Measure: Birth trauma - injury to neonate per 1,000 live births

Source: Healthcare Cost and Utilization Project

Benchmark was 2.8 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	4.7	2019	4.7	-0.5	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	5.2	2019	5.1	-0.7	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	4.2	2019	4.2	-1.2	No change	No progress	Non-Hispanic, White	5.1	4.2	-19.1	Better
	Non-Hispanic, API	2016	4.6	2019	4.6	-0.6	No change	No progress			4.6	-10.5	Same
	Non-Hispanic, Black	2016	3.4	2019	3.7	2.4	Worsening	No progress			3.7	-28.8	Better
Income	400% of PG or more	2016	4.5	2019	4.8	1.1	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	4.5	2019	4.5	-0.7	No change	No progress	400% of PG or more	4.8	4.5	-6.5	Same
	100-199% of PG	2016	4.8	2019	4.9	-0.3	No change	No progress			4.9	2.5	Same
	200-399% of PG	2016	4.8	2019	4.6	-1.5	No change	No progress			4.6	-4.0	Same
Health insurance	Any private	2016	4.5	2019	4.7	0.7	No change	No progress	=====	=====	=====	=====	=====
	Medicaid only	2016	4.8	2019	4.6	-1.3	No change	No progress	Any private	4.7	4.6	-1.5	Same
	Other insurance	2016	4.9	2019	4.6	-1.5	No change	No progress			4.6	-1.3	Same
	Uninsured	2016	4.6	2019	4.5	-1.7	No change	No progress			4.5	-5.1	Same
Metropolitan status	Large fringe metro	2016	4.6	2019	4.9	1.4	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	4.2	2019	4.4	2.2	Worsening	No progress	Large fringe metro	4.9	4.4	-8.8	Same
	Medium metro	2016	4.7	2019	4.3	-3.9	No change	No progress			4.3	-12.6	Same
	Small metro	2016	4.9	2019	4.5	-5.0	No change	No progress			4.5	-7.8	Same
	Micropolitan	2016	5.6	2019	5.5	-1.2	No change	No progress			5.5	12.8	Same
	Noncore	2016	5.7	2019	5.7	-1.0	No change	No progress			5.7	17.3	Same
Gender	Male	2016	5.2	2019	5.2	-0.5	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	4.1	2019	4.1	-0.2	No change	No progress	Male	5.2	4.1	-19.6	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.31. Measure: Obstetric trauma per 1,000 vaginal deliveries without instrument assistance

Source: Healthcare Cost and Utilization Project

Benchmark was 14.3 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	17.2	2019	17.5	0.3	No change	No progress	-----	-----	-----	-----	-----
Ethnicity	Non-Hispanic, White	2016	18.6	2019	18.8	0.2	No change	No progress	-----	-----	-----	-----	-----
	Hispanic, all races	2016	12.4	2019	12.4	0.0	No change	No progress	Non-Hispanic, White	18.8	12.4	-34.0	Better
	Non-Hispanic, API	2016	37.2	2019	40.0	2.1	No change	No progress			40.0	112.8	Worse
	Non-Hispanic, Black	2016	9.5	2019	9.9	1.0	No change	No progress			9.9	-47.3	Better
Income	400% of PG or more	2016	22.7	2019	23.6	1.1	No change	No progress	-----	-----	-----	-----	-----
	Less than 100% of PG	2016	13.0	2019	12.7	-1.0	No change	No progress	400% of PG or more	23.6	12.7	-46.2	Better
	100-199% of PG	2016	16.1	2019	16.2	-0.1	No change	No progress			16.2	-31.4	Better
	200-399% of PG	2016	18.6	2019	19.1	0.6	No change	No progress			19.1	-19.1	Better
Health insurance	Any private	2016	23.3	2019	23.8	0.5	No change	No progress	-----	-----	-----	-----	-----
	Medicaid only	2016	10.5	2019	10.1	-1.7	No change	No progress	Any private	23.8	10.1	-57.6	Better
	Other insurance	2016	16.8	2019	17.2	0.7	No change	No progress			17.2	-27.7	Better
	Uninsured	2016	17.9	2019	17.6	-1.9	No change	No progress			17.6	-26.1	Better
Metropolitan status	Large fringe metro	2016	17.6	2019	18.3	1.0	No change	No progress	-----	-----	-----	-----	-----
	Large central metro	2016	18.1	2019	18.8	1.0	No change	No progress	Large fringe metro	18.3	18.8	2.7	Same
	Medium metro	2016	17.2	2019	17.0	-0.5	No change	No progress			17.0	-7.1	Same
	Small metro	2016	16.3	2019	15.4	-2.1	Improving	No progress			15.4	-15.8	Better
	Micropolitan	2016	14.6	2019	14.6	-0.4	No change	No progress			14.6	-20.2	Better
	Noncore	2016	14.8	2019	15.2	0.7	No change	No progress			15.2	-16.9	Better
Age	18-24	2016	14.0	2019	14.5	1.1	No change	No progress	-----	-----	-----	-----	-----
	10-14	2016	27.7	2019	25.5	-5.9	No change	No progress	18-24	14.5	25.5	75.9	Worse
	15-17	2016	17.7	2019	18.3	0.6	No change	No progress			18.3	26.2	Worse
	25-34	2016	19.2	2019	19.3	0.0	No change	No progress			19.3	33.1	Worse
	35-54	2016	15.0	2019	15.2	0.1	No change	No progress			15.2	4.8	Same

----- : Data were not available for the analysis.

----- : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.32. Measure: Obstetric trauma per 1,000 instrument-assisted vaginal deliveries

Source: Healthcare Cost and Utilization Project

Benchmark was 87.1 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	108.1	2019	115.4	2.1	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	111.1	2019	120.2	2.6	Worsening	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	81.7	2019	84.1	1.2	No change	No progress	Non-Hispanic, White	120.2	84.1	-30.0	Better
	Non-Hispanic, API	2016	179.0	2019	201.7	3.6	No change	No progress			201.7	67.8	Worse
	Non-Hispanic, Black	2016	71.4	2019	67.3	-2.4	No change	No progress			67.3	-44.0	Better
Income	400% of PG or more	2016	135.6	2019	148.1	2.9	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	86.2	2019	85.5	0.1	No change	No progress	400% of PG or more	148.1	85.5	-42.3	Better
	100-199% of PG	2016	102.8	2019	108.1	1.2	No change	No progress			108.1	-27.0	Better
	200-399% of PG	2016	114.3	2019	125.8	2.9	No change	No progress			125.8	-15.1	Better
Health insurance	Any private	2016	134.1	2019	143.9	2.3	No change	No progress	=====	=====	=====	=====	=====
	Medicaid only	2016	75.9	2019	76.6	-0.1	No change	No progress	Any private	143.9	76.6	-46.8	Better
	Other insurance	2016	106.5	2019	119.7	4.0	Worsening	No progress			119.7	-16.8	Better
	Uninsured	2016	88.9	2019	96.4	3.1	No change	No progress			96.4	-33.0	Better
Metropolitan status	Large fringe metro	2016	114.9	2019	125.4	2.6	Worsening	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	114.1	2019	121.9	2.2	No change	No progress	Large fringe metro	125.4	121.9	-2.8	Same
	Medium metro	2016	106.4	2019	113.1	2.1	Worsening	No progress			113.1	-9.8	Same
	Small metro	2016	98.2	2019	107.5	2.8	No change	No progress			107.5	-14.3	Better
	Micropolitan	2016	92.4	2019	94.4	0.5	No change	No progress			94.4	-24.7	Better
	Noncore	2016	91.9	2019	89.7	-0.4	No change	No progress			89.7	-28.5	Better
Age	18-24	2016	88.0	2019	90.9	0.9	No change	No progress	=====	=====	=====	=====	=====
	10-14	2016	149.4	2019	123.5	-2.6	No change	No progress	18-24	90.9	123.5	35.9	Same
	15-17	2016	100.1	2019	89.9	-2.4	No change	No progress			89.9	-1.1	Same
	25-34	2016	121.1	2019	128.5	1.9	No change	No progress			128.5	41.4	Worse
	35-54	2016	97.6	2019	111.6	4.0	No change	No progress			111.6	22.8	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.33. Measure: Venous thromboembolism or pulmonary embolism per 1,000 delivery discharges, women ages 12-55

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	0.3	2019	0.3	2.6	Worsening	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	0.3	2019	0.3	3.5	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	0.2	2019	0.2	7.9	No change	=====	Non-Hispanic, White	0.3	0.2	-25.8	Better
	Non-Hispanic, API	2016	0.2	2019	0.1	-3.4	No change	=====			0.1	-61.3	Better
	Non-Hispanic, Black	2016	0.4	2019	0.4	-2.7	No change	=====			0.4	12.9	Same
Income	400% of PG or more	2016	0.2	2019	0.2	-0.8	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	0.3	2019	0.3	1.8	No change	=====	400% of PG or more	0.2	0.3	30.4	Worse
	100-199% of PG	2016	0.3	2019	0.3	6.7	Worsening	=====			0.3	30.4	Worse
	200-399% of PG	2016	0.3	2019	0.3	2.1	No change	=====			0.3	30.4	Worse
Health insurance	Any private	2016	0.3	2019	0.2	-1.2	No change	=====	=====	=====	=====	=====	=====
	Medicaid only	2016	0.3	2019	0.3	5.6	No change	=====	Any private	0.2	0.3	33.3	Worse
	Other insurance	2016	0.3	2019	0.3	8.8	No change	=====			0.3	25.0	Same
	Uninsured	2016	0.2	2019	0.3	1.2	No change	=====			0.3	12.5	Same
Metropolitan status	Large fringe metro	2016	0.3	2019	0.3	0.4	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	0.3	2019	0.3	1.5	No change	=====	Large fringe metro	0.3	0.3	0.0	Same
	Medium metro	2016	0.3	2019	0.3	2.6	Worsening	=====			0.3	0.0	Same
	Small metro	2016	0.3	2019	0.3	6.9	Worsening	=====			0.3	10.7	Same
	Micropolitan	2016	0.2	2019	0.3	5.1	No change	=====			0.3	-7.1	Same
	Noncore	2016	0.3	2019	0.3	4.4	No change	=====			0.3	17.9	Same
Age	18-24	2016	0.2	2019	0.2	0.4	No change	=====	=====	=====	=====	=====	=====
	10-17	2016	0.1	2018	0.2	-----	-----	=====	18-24	0.2	-----	-----	-----
	25-34	2016	0.3	2019	0.3	2.8	No change	=====			0.3	35.0	Worse
	35-55	2016	0.4	2019	0.4	-0.5	No change	=====			0.4	110.0	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.34. Measure: Severe maternal morbidity per 1,000 delivery discharges, women ages 12-55

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	7.2	2019	8.1	3.8	Worsening	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	6.1	2019	6.6	2.8	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	7.1	2019	8.2	4.8	Worsening	=====	Non-Hispanic, White	6.6	8.2	24.3	Worse
	Non-Hispanic, API	2016	7.5	2019	8.7	6.1	No change	=====			8.7	32.1	Worse
	Non-Hispanic, Black	2016	11.3	2019	12.3	2.9	Worsening	=====			12.3	86.6	Worse
Income	400% of PG or more	2016	6.3	2019	7.5	5.5	Worsening	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	8.2	2019	8.9	3.1	Worsening	=====	400% of PG or more	7.5	8.9	19.6	Worse
	100-199% of PG	2016	7.3	2019	7.9	2.7	No change	=====			7.9	6.4	Same
	200-399% of PG	2016	6.7	2019	7.7	4.7	Worsening	=====			7.7	3.0	Same
Health insurance	Any private	2016	6.4	2019	7.1	4.1	Worsening	=====	=====	=====	=====	=====	=====
	Medicaid only	2016	8.1	2019	9.0	3.7	Worsening	=====	Any private	7.1	9.0	25.8	Worse
	Other insurance	2016	6.5	2019	7.9	6.6	Worsening	=====			7.9	10.8	Worse
	Uninsured	2016	6.4	2019	7.3	4.6	Worsening	=====			7.3	2.7	Same
Metropolitan status	Large fringe metro	2016	7.0	2019	7.9	4.2	Worsening	=====	=====	=====	=====	=====	=====
	Large central metro	2016	7.9	2019	9.2	5.0	Worsening	=====	Large fringe metro	7.9	9.2	16.2	Worse
	Medium metro	2016	7.0	2019	7.7	3.2	Worsening	=====			7.7	-2.5	Same
	Small metro	2016	6.5	2019	6.5	1.0	No change	=====			6.5	-18.0	Better
	Micropolitan	2016	6.6	2019	6.9	1.7	No change	=====			6.9	-12.3	Better
	Noncore	2016	6.7	2019	7.1	1.9	No change	=====			7.1	-9.9	Better
Age	18-24	2016	6.2	2019	6.6	2.6	No change	=====	=====	=====	=====	=====	=====
	12-17	2016	7.5	2019	8.3	3.5	No change	=====	18-24	6.6	8.3	25.6	Worse
	25-34	2016	6.7	2019	7.4	3.3	Worsening	=====			7.4	10.7	Worse
	35-55	2016	10.6	2019	11.9	3.9	Worsening	=====			11.9	79.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.35. Measure: Severe postpartum hemorrhage per 1,000 delivery discharges, women ages 12-55

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	34.1	2019	43.5	8.4	Worsening	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	30.9	2019	39.6	8.7	Worsening	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	38.6	2019	48.0	7.6	Worsening	=====	Non-Hispanic, White	39.6	48.0	21.2	Worse
	Non-Hispanic, API	2016	43.8	2019	57.3	9.4	Worsening	=====			57.3	44.7	Worse
	Non-Hispanic, Black	2016	33.8	2019	43.5	8.5	Worsening	=====			43.5	9.8	Same
Income	400% of PG or more	2016	34.7	2019	47.8	11.3	Worsening	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	34.5	2019	40.9	5.8	Worsening	=====	400% of PG or more	47.8	40.9	-14.4	Better
	100-199% of PG	2016	33.1	2019	42.0	8.2	Worsening	=====			42.0	-12.1	Better
	200-399% of PG	2016	34.0	2019	44.2	9.0	Worsening	=====			44.2	-7.5	Same
Health insurance	Any private	2016	33.1	2019	44.0	10.0	Worsening	=====	=====	=====	=====	=====	=====
	Medicaid only	2016	35.4	2019	43.0	6.7	Worsening	=====	Any private	44.0	43.0	-2.3	Same
	Other insurance	2016	32.2	2019	40.8	8.1	Worsening	=====			40.8	-7.3	Same
	Uninsured	2016	33.8	2019	41.8	6.7	Worsening	=====			41.8	-5.0	Same
Metropolitan status	Large fringe metro	2016	31.7	2019	42.8	10.4	Worsening	=====	=====	=====	=====	=====	=====
	Large central metro	2016	38.1	2019	49.0	8.6	Worsening	=====	Large fringe metro	42.8	49.0	14.5	Worse
	Medium metro	2016	33.2	2019	41.7	8.0	Worsening	=====			41.7	-2.6	Same
	Small metro	2016	29.9	2019	37.6	8.2	Worsening	=====			37.6	-12.1	Better
	Micropolitan	2016	32.3	2019	37.0	4.3	Worsening	=====			37.0	-13.6	Better
	Noncore	2016	32.6	2019	38.7	5.7	Worsening	=====			38.7	-9.6	Same
Age	18-24	2016	33.7	2019	41.6	7.3	Worsening	=====	=====	=====	=====	=====	=====
	10-17	2016	42.9	2019	48.8	4.6	Worsening	=====	18-24	41.6	48.8	17.3	Worse
	25-34	2016	32.9	2019	42.1	8.5	Worsening	=====			42.1	1.2	Same
	35-55	2016	37.8	2019	49.5	9.3	Worsening	=====			49.5	19.0	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.36. Measure: Eclampsia/preeclampsia per 1,000 delivery discharges, women ages 12-55

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	53.2	2019	69.3	9.2	Worsening	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	48.5	2019	62.8	9.0	Worsening	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	53.8	2019	69.7	9.1	Worsening	=====	Non-Hispanic, White	62.8	69.7	11.0	Worse
	Non-Hispanic, API	2016	34.8	2019	49.3	12.1	Worsening	=====			49.3	-21.5	Better
	Non-Hispanic, Black	2016	77.0	2019	99.2	8.8	Worsening	=====			99.2	58.0	Worse
Income	400% of PG or more	2016	44.7	2019	59.3	10.0	Worsening	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	60.7	2019	78.0	8.7	Worsening	=====	400% of PG or more	59.3	78.0	31.5	Worse
	100-199% of PG	2016	53.6	2019	69.7	9.3	Worsening	=====			69.7	17.5	Worse
	200-399% of PG	2016	50.9	2019	67.4	9.8	Worsening	=====			67.4	13.7	Worse
Health insurance	Any private	2016	51.5	2019	66.9	9.1	Worsening	=====	=====	=====	=====	=====	=====
	Medicaid only	2016	55.7	2019	73.5	9.7	Worsening	=====	Any private	66.9	73.5	9.9	Same
	Other insurance	2016	50.0	2019	61.0	7.0	Worsening	=====			61.0	-8.8	Same
	Uninsured	2016	40.6	2019	52.0	9.4	Worsening	=====			52.0	-22.3	Better
Metropolitan status	Large fringe metro	2016	49.8	2019	66.2	9.9	Worsening	=====	=====	=====	=====	=====	=====
	Large central metro	2016	55.4	2019	73.9	10.1	Worsening	=====	Large fringe metro	66.2	73.9	11.6	Worse
	Medium metro	2016	54.7	2019	69.2	8.2	Worsening	=====			69.2	4.5	Same
	Small metro	2016	50.6	2019	64.7	8.6	Worsening	=====			64.7	-2.3	Same
	Micropolitan	2016	52.5	2019	65.7	7.6	Worsening	=====			65.7	-0.8	Same
	Noncore	2016	54.2	2019	68.2	8.2	Worsening	=====			68.2	3.0	Same
Age	18-24	2016	55.0	2019	71.6	9.2	Worsening	=====	=====	=====	=====	=====	=====
	10-17	2016	68.9	2019	89.5	9.2	Worsening	=====	18-24	71.6	89.5	25.0	Worse
	25-34	2016	48.5	2019	63.5	9.4	Worsening	=====			63.5	-11.3	Better
	35-55	2016	65.2	2019	83.1	8.6	Worsening	=====			83.1	16.1	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.37. Measure: Cesarean deliveries per 1,000 deliveries
 Source: Healthcare Cost and Utilization Project
 Benchmark was 207.1 in 2016.
 Disparity Year: 2019
 Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:
Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	294.9	2019	286.9	-0.9	No change	More than 20 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	283.2	2019	275.5	-1.0	No change	More than 20 years	=====	=====	=====	=====	=====
	Hispanic, all races	2016	296.8	2019	286.3	-1.2	Improving	No progress	Non-Hispanic, White	275.5	286.3	3.9	Same
	Non-Hispanic, API	2016	291.9	2019	284.0	-1.0	No change	More than 20 years			284.0	3.1	Same
	Non-Hispanic, Black	2016	337.0	2019	328.8	-0.8	No change	More than 20 years			328.8	19.3	Worse
Income	400% of PG or more	2016	295.1	2019	285.3	-1.2	Improving	More than 20 years	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	300.0	2019	293.9	-0.7	No change	No progress	400% of PG or more	285.3	293.9	3.0	Same
	100-199% of PG	2016	293.8	2019	285.5	-0.9	No change	More than 20 years			285.5	0.1	Same
	200-399% of PG	2016	289.8	2019	281.7	-1.0	Improving	More than 20 years			281.7	-1.3	Same
Health insurance	Any private	2016	299.4	2019	291.2	-1.0	No change	More than 20 years	=====	=====	=====	=====	=====
	Medicaid only	2016	290.6	2019	283.2	-0.9	No change	More than 20 years	Any private	291.2	283.2	-2.7	Same
	Other insurance	2016	273.4	2019	263.6	-1.1	Improving	No progress			263.6	-9.5	Same
	Uninsured	2016	285.6	2019	266.3	-2.3	Improving	9 years			266.3	-8.6	Same
Metropolitan status	Large fringe metro	2016	299.7	2019	293.9	-0.7	No change	More than 20 years	=====	=====	=====	=====	=====
	Large central metro	2016	297.1	2019	286.2	-1.3	Improving	More than 20 years	Large fringe metro	293.9	286.2	-2.6	Same
	Medium metro	2016	292.4	2019	284.9	-0.9	No change	More than 20 years			284.9	-3.1	Same
	Small metro	2016	278.1	2019	273.9	-0.6	No change	No progress			273.9	-6.8	Same
	Micropolitan	2016	292.8	2019	286.8	-0.7	No change	No progress			286.8	-2.4	Same
	Noncore	2016	300.3	2019	289.6	-1.1	No change	No progress			289.6	-1.5	Same
Age	18-24	2016	234.6	2019	219.9	-2.2	Improving	3 years	=====	=====	=====	=====	=====
	10-14	2016	167.1	2019	152.9	-2.9	Improving	Reached	18-24	219.9	152.9	-30.5	Better
	15-17	2016	154.6	2019	145.1	-2.1	Improving	No progress			145.1	-34.0	Better
	25-34	2016	298.4	2019	287.2	-1.3	Improving	More than 20 years			287.2	30.6	Worse
	35-54	2016	389.1	2019	380.3	-0.8	No change	More than 20 years			380.3	72.9	Worse

----- : Data were not available for the analysis.
 ===== : Not applicable.
 More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.38. Measure: Vaginal birth after cesarean per 1,000 women with previous cesarean deliveries, uncomplicated

Source: Healthcare Cost and Utilization Project

Benchmark was 212.2 in 2016.

Disparity Year: 2019

Note: Higher estimates are better for this measure. Rates were flipped to the negative direction for calculations. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	117.4	2019	135.9	-0.7	No change	No progress	-----	-----	-----	-----	-----
Ethnicity	Non-Hispanic, White	2016	115.4	2019	131.9	-0.7	No change	No progress	-----	-----	-----	-----	-----
	Hispanic, all races	2016	115.5	2019	135.6	-0.8	No change	No progress	Non-Hispanic, White	131.9	135.6	-0.4	Same
	Non-Hispanic, API	2016	136.0	2019	159.9	-1.0	No change	No progress			159.9	-3.2	Same
	Non-Hispanic, Black	2016	115.5	2019	135.8	-0.7	No change	No progress			135.8	-0.4	Same
Income	400% of PG or more	2016	130.3	2019	147.9	-0.7	No change	No progress	-----	-----	-----	-----	-----
	Less than 100% of PG	2016	109.8	2019	126.2	-0.6	No change	No progress	400% of PG or more	147.9	126.2	2.5	Same
	100-199% of PG	2016	111.2	2019	130.5	-0.7	No change	No progress			130.5	2.0	Same
	200-399% of PG	2016	122.4	2019	143.2	-0.8	No change	No progress			143.2	0.6	Same
Health insurance	Any private	2016	117.9	2019	133.7	-0.6	No change	No progress	-----	-----	-----	-----	-----
	Medicaid only	2016	115.1	2019	135.7	-0.8	No change	No progress	Any private	133.7	135.7	-0.2	Same
	Other insurance	2016	139.7	2019	158.4	-0.7	No change	No progress			158.4	-2.9	Same
	Uninsured	2016	137.0	2019	167.4	-1.2	Improving	No progress			167.4	-3.9	Same
Metropolitan status	Large fringe metro	2016	120.0	2019	136.1	-0.6	No change	No progress	-----	-----	-----	-----	-----
	Large central metro	2016	135.3	2019	156.0	-0.8	No change	No progress	Large fringe metro	136.1	156.0	-2.3	Same
	Medium metro	2016	113.4	2019	132.3	-0.7	No change	No progress			132.3	0.4	Same
	Small metro	2016	112.2	2019	127.3	-0.6	No change	No progress			127.3	1.0	Same
	Micropolitan	2016	77.5	2019	98.3	-0.7	No change	No progress			98.3	4.4	Same
	Noncore	2016	80.2	2019	98.1	-0.6	No change	No progress			98.1	4.4	Same
Age	18-24	2016	111.4	2019	134.2	-0.9	No change	No progress	-----	-----	-----	-----	-----
	15-17	2016	164.1	2019	135.7	1.0	No change	No progress	18-24	134.2	135.7	-0.2	Same
	25-34	2016	120.7	2019	141.5	-0.8	No change	No progress			141.5	-0.8	Same
	35-54	2016	112.6	2019	124.2	-0.5	No change	No progress			124.2	1.2	Same

----- : Data were not available for the analysis.

----- : Not applicable.

This measure is not a core measure. Additional information is available in the Methods section and in Measure Specifications. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Vaginal birth after cesarean (VBAC) is a reasonable and safe choice for most women with prior cesarean.¹ However, cesarean delivery is recommended for women at high risk for uterine rupture and those in whom vaginal delivery is contraindicated.²

1. Guise JM, Eden K, Emeis C, Denman MA, Marshall N, Fu RR, Janik R, Nygren P, Walker M, McDonagh M. Vaginal Birth After Cesarean: New Insights. Evidence Reports/Technology Assessments, No. 191.

<https://www.ncbi.nlm.nih.gov/books/NBK44571>. Accessed October 6, 2022.

2. ACOG Practice Bulletin No. 205: Vaginal Birth After Cesarean Delivery. Obstet Gynecol. 2019 Feb;133(2):e110-e127. <https://pubmed.ncbi.nlm.nih.gov/30681543/>. Accessed October 6, 2022.

Appendix Table 4.39. Measure: First-time cesarean deliveries (identified by no previous cesarean delivery diagnosis on the record) per 1,000 deliveries

Source: Healthcare Cost and Utilization Project

Benchmark was 107.7 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	167.8	2019	163.1	-1.0	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	162.3	2019	158.5	-0.9	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	155.7	2019	149.8	-1.2	No change	No progress	Non-Hispanic, White	158.5	149.8	-5.5	Same
	Non-Hispanic, API	2016	175.8	2019	171.5	-0.8	No change	No progress			171.5	8.2	Same
	Non-Hispanic, Black	2016	201.5	2019	193.9	-1.2	Improving	More than 20 years			193.9	22.3	Worse
Income	400% of PG or more	2016	171.1	2019	166.1	-1.1	Improving	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	166.7	2019	162.5	-0.8	No change	No progress	400% of PG or more	166.1	162.5	-2.2	Same
	100-199% of PG	2016	166.8	2019	161.4	-1.1	Improving	More than 20 years			161.4	-2.8	Same
	200-399% of PG	2016	167.0	2019	162.9	-1.0	No change	No progress			162.9	-1.9	Same
Health insurance	Any private	2016	181.8	2019	178.1	-0.8	No change	No progress	=====	=====	=====	=====	=====
	Medicaid only	2016	152.5	2019	145.6	-1.6	Improving	16 years	Any private	178.1	145.6	-18.2	Better
	Other insurance	2016	152.9	2019	150.3	-0.6	No change	No progress			150.3	-15.6	Better
	Uninsured	2016	152.3	2019	142.3	-2.3	Improving	No progress			142.3	-20.1	Better
Metropolitan status	Large fringe metro	2016	170.6	2019	167.8	-0.6	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	175.0	2019	167.5	-1.6	Improving	More than 20 years	Large fringe metro	167.8	167.5	-0.2	Same
	Medium metro	2016	163.4	2019	159.5	-0.8	No change	No progress			159.5	-4.9	Same
	Small metro	2016	153.4	2019	152.3	-0.4	No change	No progress			152.3	-9.2	Same
	Micropolitan	2016	159.3	2019	156.0	-0.6	No change	No progress			156.0	-7.0	Same
	Noncore	2016	162.5	2019	157.0	-1.0	No change	No progress			157.0	-6.4	Same
Age	18-24	2016	161.0	2019	155.7	-1.1	Improving	No progress	=====	=====	=====	=====	=====
	10-14	2016	166.6	2019	151.3	-3.0	Improving	9 years	18-24	155.7	151.3	-2.8	Same
	15-17	2016	146.3	2019	137.8	-1.9	Improving	No progress			137.8	-11.5	Better
	25-34	2016	161.5	2019	156.5	-1.1	Improving	No progress			156.5	0.5	Same
	35-54	2016	207.6	2019	200.3	-1.3	Improving	More than 20 years			200.3	28.6	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Patient Safety
Section: Inappropriate Treatment

Appendix Table 4.40. Measure: Adults age 65 and over who received in the calendar year at least 1 of 11 prescription medications that should be avoided in older adults

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	3.3	2019	1.1	-6.2	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	3.3	2019	1.2	-6.1	Improving	=====	=====	=====	=====	=====	=====
	Asian	2003	0.0	2018	0.0	-----	-----	=====	White	1.2	-----	-----	-----
	Black	2006	2.1	2016	1.9	-4.6	No change	=====			-----	-----	-----
	Multiple races	2017	0.0	2017	0.0	-----	-----	=====			-----	-----	-----
Ethnicity	Non-Hispanic, White	2002	3.3	2019	1.3	-5.8	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	2.7	2004	1.8	-----	-----	=====	Non-Hispanic, White	1.3	-----	-----	-----
	Non-Hispanic, all races	2002	3.3	2019	1.2	-5.9	Improving	=====			1.2	-3.1	Same
	Non-Hispanic, Asian	2003	0.0	2018	0.0	-----	-----	=====			-----	-----	-----
	Non-Hispanic, Black	2006	2.1	2016	1.9	-2.8	No change	=====			-----	-----	-----
	Non-Hispanic, others	2015	0.0	2017	0.0	-----	-----	=====			-----	-----	-----
Income	400% of PG or more	2002	2.3	2019	1.2	-5.1	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	3.9	2018	1.5	-5.6	Improving	=====	400% of PG or more	1.2	-----	-----	-----
	100-199% of PG	2002	4.7	2016	2.1	-4.5	Improving	=====			-----	-----	-----
	200-399% of PG	2002	2.8	2019	1.4	-4.7	Improving	=====			1.4	21.7	Same
Metropolitan status	Large fringe metro	2002	3.2	2019	1.6	-4.9	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	3.2	2019	1.2	-6.0	Improving	=====	Large fringe metro	1.6	1.2	-26.4	Same
	Large central metro	2002	3.2	2019	1.3	-6.0	Improving	=====			1.3	-23.3	Same
	Medium metro	2002	2.8	2018	1.3	-6.2	Improving	=====			-----	-----	-----
	Small metro	2006	0.0	2006	0.0	-----	-----	=====			-----	-----	-----
	Nonmetropolitan	2002	3.6	2018	1.5	-4.8	Improving	=====			-----	-----	-----
	Micropolitan	2002	4.1	2011	3.9	-2.4	No change	=====			-----	-----	-----
	Noncore	2002	2.6	2002	2.6	-----	-----	=====			-----	-----	-----

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	65-69	2002	2.7	2019	1.2	-7.0	Improving	=====	=====	=====	=====	=====	=====
	70-74	2002	3.7	2018	0.9	-7.1	Improving	=====	65-69	1.2	-----	-----	-----
	75-79	2002	4.3	2018	2.0	-3.5	Improving	=====			-----	-----	-----
	80 and over	2002	2.6	2019	1.5	-4.2	Improving	=====			1.5	25.9	Same
Disability status	Without disability	2014	1.4	2019	0.9	-7.0	No change	=====	=====	=====	=====	=====	=====
	With disability	2013	2.2	2019	1.5	-4.0	No change	=====	Without disability	0.9	1.5	73.3	Same
Gender	Male	2002	2.2	2018	0.7	-6.6	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	4.1	2019	1.9	-5.7	Improving	=====	Male	-----	-----	-----	-----
Education	Some college	2002	2.5	2019	1.2	-6.3	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	4.1	2016	0.9	-8.2	Improving	=====	Some college	1.2	-----	-----	-----
	High school graduate	2002	3.3	2019	1.3	-4.8	Improving	=====			1.3	8.6	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.41. Measure: Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	19.3	2019	10.1	-4.0	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	19.7	2019	10.3	-3.9	Improving	=====	=====	=====	=====	=====	=====
	Asian	2005	20.3	2016	5.6	-6.6	Improving	=====	White	10.3	-----	-----	-----
	Black	2002	18.7	2019	9.5	-4.6	Improving	=====			9.5	-7.8	Same
	Multiple races	2019	15.5	2019	15.5	-----	-----	=====			15.5	50.5	Same
Ethnicity	Non-Hispanic, White	2002	19.8	2019	10.6	-3.7	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	18.1	2019	6.4	-5.6	Improving	=====	Non-Hispanic, White	10.6	6.4	-39.6	Better
	Non-Hispanic, all races	2002	19.4	2019	10.4	-3.9	Improving	=====			10.4	-1.9	Same
	Non-Hispanic, Asian	2005	20.3	2016	5.2	-7.1	Improving	=====			-----	-----	-----
	Non-Hispanic, Black	2002	18.9	2019	9.5	-4.7	Improving	=====			9.5	-10.4	Same
	Non-Hispanic, others	2015	11.7	2019	16.7	9.3	No change	=====			16.7	57.5	Same
Income	400% of PG or more	2002	16.2	2019	10.0	-3.8	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	23.0	2019	11.2	-4.1	Improving	=====	400% of PG or more	10.0	11.2	12.0	Same
	100-199% of PG	2002	22.1	2019	9.4	-3.9	Improving	=====			9.4	-6.0	Same
	200-399% of PG	2002	18.8	2019	10.4	-4.0	Improving	=====			10.4	4.0	Same
Metropolitan status	Large fringe metro	2002	20.1	2019	10.1	-3.5	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	18.8	2019	9.7	-4.0	Improving	=====	Large fringe metro	10.1	9.7	-4.0	Same
	Large central metro	2002	17.1	2019	9.1	-4.8	Improving	=====			9.1	-9.9	Same
	Medium metro	2002	19.4	2019	10.7	-3.8	Improving	=====			10.7	5.9	Same
	Small metro	2002	19.7	2019	8.5	-3.5	Improving	=====			8.5	-15.8	Same
	Nonmetropolitan	2002	21.1	2019	12.1	-3.9	Improving	=====			12.1	19.8	Same
	Micropolitan	2002	22.8	2019	10.3	-4.2	Improving	=====			10.3	2.0	Same
	Noncore	2002	18.0	2019	14.6	-3.4	Improving	=====			14.6	44.6	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	65-69	2002	16.2	2019	11.3	-3.0	Improving	=====	=====	=====	=====	=====	=====
	70-74	2002	20.6	2019	10.7	-3.5	Improving	=====	65-69	11.3	10.7	-5.3	Same
	75-79	2002	19.8	2019	10.2	-4.4	Improving	=====			10.2	-9.7	Same
	80 and over	2002	20.8	2019	7.7	-5.7	Improving	=====			7.7	-31.9	Better
Disability status	Without disability	2013	8.9	2019	7.5	-3.2	Improving	=====	=====	=====	=====	=====	=====
	With disability	2013	14.5	2019	14.1	-1.6	No change	=====	Without disability	7.5	14.1	88.0	Worse
Gender	Male	2002	15.4	2019	8.0	-3.6	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	22.2	2019	11.8	-4.2	Improving	=====	Male	8.0	11.8	47.5	Worse
Education	Some college	2002	17.1	2019	10.4	-3.3	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	21.7	2019	10.5	-4.9	Improving	=====	Some college	10.4	10.5	1.0	Same
	High school graduate	2002	19.3	2019	9.6	-4.1	Improving	=====			9.6	-7.7	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Patient Safety
Section: Supportive and Palliative Care:

Appendix Table 4.42. Measure: High-risk, long-stay nursing home patients with pressure ulcer
 Source: Minimum Data Set
 Benchmark was 3.0 in 2015.
 Disparity Year: 2019
 Note: Lower estimates are better for this measure. The unit of measurement is percentage.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	5.3	2019	4.8	-1.8	Improving	20 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	4.8	2019	4.3	-2.0	Improving	14 years	=====	=====	=====	=====	=====
	Hispanic, all races	2013	5.8	2019	4.8	-3.0	Improving	11 years	Non-Hispanic, White	4.3	4.8	12.4	Worse
	Non-Hispanic, AI/AN	2013	7.1	2019	6.9	-0.9	No change	No progress			6.9	60.5	Worse
	Non-Hispanic, Asian	2013	4.4	2019	3.6	-3.5	Improving	4 years			3.6	-16.8	Better
	Non-Hispanic, NHPI	2013	5.8	2019	5.9	-0.8	No change	No progress			5.9	38.1	Worse
	Non-Hispanic, Black	2013	7.6	2019	7.0	-1.6	Improving	More than 20 years			7.0	63.3	Worse
	Non-Hispanic, multiple races	2013	6.1	2019	4.8	-4.1	Improving	8 years			4.8	11.0	Same
	Metropolitan status	Metropolitan	2013	5.4	2019	4.9	-1.9	Improving	19 years	=====	=====	=====	=====
	Nonmetropolitan	2013	4.8	2019	4.4	-1.6	Improving	19 years	Metropolitan	4.9	4.4	-8.8	Same
Age	0-64	2013	8.1	2019	7.7	-0.9	No change	More than 20 years	=====	=====	=====	=====	=====
	65-74	2013	6.4	2019	5.6	-2.2	Improving	20 years	0-64	7.7	5.6	-27.3	Better
	75-84	2013	5.2	2019	4.6	-2.4	Improving	14 years			4.6	-40.0	Better
	85 and over	2013	4.1	2019	3.5	-3.2	Improving	4 years			3.5	-54.8	Better
Gender	Male	2013	6.6	2019	6.0	-1.8	Improving	More than 20 years	=====	=====	=====	=====	=====
	Female	2013	4.7	2019	4.2	-2.1	Improving	13 years	Male	6.0	4.2	-29.7	Better

----- : Data were not available for the analysis.
 ===== : Not applicable.
 More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.43. Measure: Low-risk, long-stay nursing home residents with a catheter inserted and left in the bladder

Source: Minimum Data Set

Benchmark was 2.1 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	3.4	2019	2.6	-4.9	Improving	3 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	3.4	2019	2.6	-4.7	Improving	4 years	=====	=====	=====	=====	=====
	Hispanic, all races	2013	3.4	2019	2.6	-4.8	Improving	3 years	Non-Hispanic, White	2.6	2.6	-1.9	Same
	Non-Hispanic, AI/AN	2013	3.7	2019	3.1	-3.4	Improving	8 years			3.1	17.9	Same
	Non-Hispanic, Asian	2013	2.6	2019	2.0	-4.4	Improving	Reached			2.0	-23.3	Better
	Non-Hispanic, NHPI	2013	4.6	2019	2.1	-8.8	Improving	Reached			2.1	-20.6	Same
	Non-Hispanic, Black	2013	3.6	2019	2.5	-6.4	Improving	2 years			2.5	-5.3	Same
	Non-Hispanic, multiple races	2013	3.3	2019	2.9	-2.7	Improving	9 years			2.9	8.8	Same
	Metropolitan status	Metropolitan	2013	3.4	2019	2.6	-4.9	Improving	3 years	=====	=====	=====	=====
Nonmetropolitan		2013	3.3	2019	2.5	-5.2	Improving	3 years	Metropolitan	2.6	2.5	-2.7	Same
Age	0-64	2013	4.5	2019	2.7	-8.4	Improving	2 years	=====	=====	=====	=====	=====
	65-74	2013	4.1	2019	2.9	-6.4	Improving	3 years	0-64	2.7	2.9	4.7	Same
	75-84	2013	3.5	2019	2.8	-4.1	Improving	6 years			2.8	3.6	Same
	85 and over	2013	2.7	2019	2.2	-3.8	Improving	1 year			2.2	-20.1	Better
Gender	Male	2013	5.7	2019	4.8	-3.5	Improving	14 years	=====	=====	=====	=====	=====
	Female	2013	2.3	2019	1.4	-8.7	Improving	Reached	Male	4.8	1.4	-70.7	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.44. Measure: Long-stay nursing home residents with a urinary tract infection

Source: Minimum Data Set

Benchmark was 2.8 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	4.9	2019	1.8	-16.8	Improving	Reached	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	5.2	2019	2.0	-16.4	Improving	Reached	=====	=====	=====	=====	=====
	Hispanic, all races	2013	4.3	2019	1.2	-19.9	Improving	Reached	Non-Hispanic, White	2.0	1.2	-39.4	Better
	Non-Hispanic, AI/AN	2013	5.2	2019	2.2	-14.1	Improving	Reached			2.2	11.1	Same
	Non-Hispanic, Asian	2013	3.4	2019	1.0	-19.1	Improving	Reached			1.0	-47.5	Better
	Non-Hispanic, NHPI	2013	4.3	2019	0.9	-20.7	Improving	Reached			0.9	-56.1	Better
	Non-Hispanic, Black	2013	3.5	2019	1.3	-17.0	Improving	Reached			1.3	-36.4	Better
	Non-Hispanic, multiple races	2013	3.8	2019	1.3	-19.5	Improving	Reached			1.3	-36.9	Better
	Metropolitan status	Metropolitan	2013	4.7	2019	1.6	-17.6	Improving	Reached	=====	=====	=====	=====
Nonmetropolitan		2013	5.5	2019	2.4	-14.4	Improving	Reached	Metropolitan	1.6	2.4	49.7	Worse
Age	0-64	2013	3.7	2019	1.4	-15.4	Improving	Reached	=====	=====	=====	=====	=====
	65-74	2013	4.5	2019	1.7	-16.7	Improving	Reached	0-64	1.4	1.7	15.3	Worse
	75-84	2013	5.2	2019	1.9	-16.6	Improving	Reached			1.9	34.0	Worse
	85 and over	2013	5.3	2019	1.9	-17.1	Improving	Reached			1.9	32.6	Worse
Gender	Male	2013	3.7	2019	1.5	-15.7	Improving	Reached	=====	=====	=====	=====	=====
	Female	2013	5.4	2019	2.0	-17.0	Improving	Reached	Male	1.5	2.0	34.9	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.45. Measure: Long-stay nursing home patients experiencing one or more falls with major injury

Source: Minimum Data Set

Benchmark was 0.4 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	0.6	2019	0.6	-0.4	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	0.7	2019	0.7	-0.2	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2013	0.5	2019	0.5	-0.1	No change	No progress	Non-Hispanic, White	0.7	0.5	-33.3	Better
	Non-Hispanic, AI/AN	2013	0.8	2019	0.8	-1.4	No change	No progress			0.8	10.1	Same
	Non-Hispanic, Asian	2013	0.4	2019	0.5	0.9	No change	No progress			0.5	-29.0	Better
	Non-Hispanic, Black	2013	0.2	2019	0.3	1.6	No change	No progress			0.3	-62.3	Better
	Non-Hispanic, multiple races	2013	0.6	2019	0.4	-2.9	No change	No progress			0.4	-49.3	Better
	Metropolitan status	Metropolitan	2013	0.6	2019	0.6	-0.3	No change	No progress	=====	=====	=====	=====
	Nonmetropolitan	2013	0.8	2019	0.8	-0.1	No change	No progress	Metropolitan	0.6	0.8	40.0	Worse
Age	0-64	2013	0.4	2019	0.3	-1.2	No change	No progress	=====	=====	=====	=====	=====
	65-74	2013	0.5	2019	0.5	-0.3	No change	No progress	0-64	0.3	0.5	43.8	Worse
	75-84	2013	0.6	2019	0.6	-0.2	No change	No progress			0.6	90.6	Worse
	85 and over	2013	0.7	2019	0.8	0.7	No change	No progress			0.8	143.8	Worse
Gender	Male	2013	0.4	2019	0.4	-0.9	No change	No progress	=====	=====	=====	=====	=====
	Female	2013	0.7	2019	0.7	0.0	No change	No progress	Male	0.4	0.7	60.5	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.46. Measure: Short-stay nursing home patients with pressure ulcers that are new or worsened

Source: Minimum Data Set

Benchmark was 0.3 in 2015.

Disparity Year: 2018

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	0.7	2018	0.2	-16.7	Improving	Reached	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	0.7	2018	0.2	-16.2	Improving	Reached	=====	=====	=====	=====	=====
	Hispanic, all races	2013	0.6	2018	0.2	-16.8	Improving	Reached	Non-Hispanic, White	0.2	0.2	-13.0	Same
	Non-Hispanic, AI/AN	2013	0.9	2018	0.3	-18.2	Improving	Reached			0.3	13.0	Same
	Non-Hispanic, Asian	2013	0.5	2018	0.2	-16.8	Improving	Reached			0.2	-26.1	Better
	Non-Hispanic, NHPI	2013	0.9	2018	0.3	-16.0	Improving	Reached			0.3	26.1	Same
	Non-Hispanic, Black	2013	0.9	2018	0.3	-16.4	Improving	0 years			0.3	39.1	Worse
	Non-Hispanic, multiple races	2013	0.6	2018	0.2	-20.4	Improving	Reached			0.2	-21.7	Same
	Metropolitan status	Metropolitan	2013	0.7	2018	0.2	-16.6	Improving	Reached	=====	=====	=====	=====
Nonmetropolitan		2013	0.8	2018	0.3	-15.5	Improving	Reached	Metropolitan	0.2	0.3	36.4	Worse
Age	0-64	2013	0.6	2018	0.2	-16.0	Improving	Reached	=====	=====	=====	=====	=====
	65-74	2013	0.6	2018	0.2	-15.7	Improving	Reached	0-64	0.2	0.2	0.0	Same
	75-84	2013	0.7	2018	0.2	-16.4	Improving	Reached			0.2	9.5	Same
	85 and over	2013	0.8	2018	0.3	-16.2	Improving	Reached			0.3	33.3	Worse
Gender	Male	2013	0.8	2018	0.3	-16.3	Improving	Reached	=====	=====	=====	=====	=====
	Female	2013	0.6	2018	0.2	-16.6	Improving	Reached	Male	0.3	0.2	-22.2	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Patient Safety
Section: Home Health Communication

Appendix Table 4.47. Measure: Adults who reported a home health care provider talking with them about how to set up their home so they can move around safely when they first started getting home health care

Source: Home Health Consumer Assessment of Healthcare Providers and Systems

Benchmark was 80.1 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	74.2	2020	75.1	-0.9	No change	More than 20 years	=====	=====	=====	=====	=====
Race	White	2012	74.8	2020	75.8	-0.9	No change	20 years	=====	=====	=====	=====	=====
	AI/AN	2012	72.8	2020	73.8	-0.7	No change	More than 20 years	White	75.8	73.8	8.3	Same
	Asian	2012	74.2	2020	74.3	-0.6	No change	No progress			74.3	6.2	Same
	NHPI	2012	73.6	2020	76.4	-1.3	Improving	12 years			76.4	-2.5	Same
	Black	2012	72.5	2020	72.2	-0.3	No change	No progress			72.2	14.9	Worse
	Multiple races	2012	72.6	2020	68.3	2.0	Worsening	No progress			68.3	31.0	Worse
Ethnicity	Non-Hispanic, all races	2012	74.4	2020	75.3	-0.9	No change	More than 20 years	=====	=====	=====	=====	=====
	Hispanic, all races	2012	75.0	2020	75.0	-0.2	No change	No progress	Non-Hispanic, all races	75.3	75.0	1.2	Same
Age	18-44	2012	67.2	2020	69.3	-0.7	No change	More than 20 years	=====	=====	=====	=====	=====
	45-64	2012	72.9	2020	74.5	-0.9	No change	More than 20 years	18-44	69.3	74.5	-16.9	Better
	65 and over	2012	74.5	2020	75.3	-0.9	No change	No progress			75.3	-19.5	Better
Education	Some college	2012	72.3	2020	73.7	-1.2	Improving	More than 20 years	=====	=====	=====	=====	=====
	Less than high school graduate	2012	76.7	2020	77.4	-0.8	No change	No progress	Some college	73.7	77.4	-14.1	Better
	High school graduate	2012	75.2	2020	76.8	-1.2	Improving	12 years			76.8	-11.8	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.48. Measure: Adults who reported a home health care provider talking with them about all the prescription and over-the-counter medicines they were taking when they first started getting home health care

Source: Home Health Consumer Assessment of Healthcare Providers and Systems

Benchmark was 88.2 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	83.8	2020	83.4	0.2	No change	No progress	=====	=====	=====	=====	=====
Race	White	2012	83.8	2020	83.4	0.2	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2012	83.9	2020	82.7	0.8	No change	No progress	White	83.4	82.7	4.2	Same
	Asian	2012	82.5	2020	82.3	0.0	No change	No progress			82.3	6.6	Same
	NHPI	2012	84.7	2020	84.6	0.6	No change	No progress			84.6	-7.2	Same
	Black	2012	86.8	2020	86.8	0.1	No change	No progress			86.8	-20.5	Better
	Multiple races	2012	84.0	2020	83.1	1.2	Worsening	No progress			83.1	1.8	Same
Ethnicity	Non-Hispanic, all races	2012	83.8	2020	83.5	0.2	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2012	87.7	2020	85.4	2.2	Worsening	No progress	Non-Hispanic, all races	83.5	85.4	-11.5	Better
Age	18-44	2012	85.9	2020	86.1	-0.1	No change	No progress	=====	=====	=====	=====	=====
	45-64	2012	86.6	2020	86.3	0.2	No change	No progress	18-44	86.1	86.3	-1.4	Same
	65 and over	2012	83.4	2020	83.1	0.2	No change	No progress			83.1	21.6	Worse
Education	Some college	2012	82.0	2020	82.0	-0.1	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2012	86.8	2020	86.7	0.0	No change	No progress	Some college	82.0	86.7	-26.1	Better
	High school graduate	2012	84.4	2020	84.7	-0.2	No change	No progress			84.7	-15.0	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.49. Measure: Adults who reported a home health care provider asking to see all the prescription and over-the-counter medicines they were taking, when they first started getting home health care

Source: Home Health Consumer Assessment of Healthcare Providers and Systems

Benchmark was 85.5 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	78.8	2020	74.5	2.2	Worsening	No progress	=====	=====	=====	=====	=====
Race	White	2012	77.2	2020	73.1	1.9	Worsening	No progress	=====	=====	=====	=====	=====
	AI/AN	2012	85.7	2020	80.8	3.3	Worsening	No progress	White	73.1	80.8	-28.6	Better
	Asian	2012	83.2	2020	79.1	2.1	Worsening	No progress			79.1	-22.3	Better
	NHPI	2012	87.2	2020	82.1	3.0	Worsening	No progress			82.1	-33.5	Better
	Black	2012	90.4	2020	86.6	4.0	Worsening	Reached, getting worse			86.6	-50.2	Better
	Multiple races	2012	83.9	2020	79.3	3.2	Worsening	No progress			79.3	-23.0	Better
	Ethnicity	Non-Hispanic, all races	2012	78.0	2020	73.9	2.0	Worsening	No progress	=====	=====	=====	=====
Hispanic, all races		2012	89.2	2020	84.0	5.0	Worsening	No progress	Non-Hispanic, all races	73.9	84.0	-38.7	Better
Age	18-44	2012	83.7	2020	80.7	2.2	Worsening	No progress	=====	=====	=====	=====	=====
	45-64	2012	84.7	2020	81.1	2.5	Worsening	No progress	18-44	80.7	81.1	-2.1	Same
	65 and over	2012	78.0	2020	73.7	2.1	Worsening	No progress			73.7	36.3	Worse
Education	Some college	2012	72.3	2020	69.0	1.2	Worsening	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2012	87.4	2020	85.2	1.8	Worsening	No progress	Some college	69.0	85.2	-52.3	Better
	High school graduate	2012	80.0	2020	78.0	1.1	Worsening	No progress			78.0	-29.0	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.50. Measure: Adults who reported that home health care providers talked with them about the purpose of taking their new or changed prescription medicines in the last 2 months of care

Source: Home Health Consumer Assessment of Healthcare Providers and Systems

Benchmark was 35.9 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	33.1	2020	30.1	0.5	No change	No progress	=====	=====	=====	=====	=====
Race	White	2012	33.4	2020	30.5	0.5	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2012	36.6	2020	32.4	0.8	No change	No progress	White	30.5	32.4	-2.7	Same
	Asian	2012	29.6	2020	27.4	0.3	No change	No progress			27.4	4.5	Same
	NHPI	2012	35.3	2020	30.2	0.9	No change	No progress			30.2	0.4	Same
	Black	2012	32.7	2020	28.9	0.6	No change	No progress			28.9	2.3	Same
	Multiple races	2012	36.8	2020	31.4	1.2	Worsening	No progress			31.4	-1.3	Same
Ethnicity	Non-Hispanic, all races	2012	33.4	2020	30.5	0.5	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2012	32.6	2020	28.1	0.7	No change	No progress	Non-Hispanic, all races	30.5	28.1	3.5	Same
Age	18-44	2012	35.5	2020	31.1	0.8	No change	No progress	=====	=====	=====	=====	=====
	45-64	2012	39.8	2020	35.0	0.8	No change	No progress	18-44	31.1	35.0	-5.7	Same
	65 and over	2012	32.1	2020	29.5	0.4	No change	No progress			29.5	2.3	Same
Education	Some college	2012	33.2	2020	30.5	0.5	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2012	33.7	2020	30.2	0.5	No change	No progress	Some college	30.5	30.2	0.4	Same
	High school graduate	2012	33.0	2020	29.9	0.5	No change	No progress			29.9	0.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.51. Measure: Adults who reported that home health care providers talked with them about when to take medicines in the last 2 months of care

Source: Home Health Consumer Assessment of Healthcare Providers and Systems

Benchmark was 33.9 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	30.7	2020	27.0	0.6	No change	No progress	=====	=====	=====	=====	=====
Race	White	2012	30.7	2020	27.1	0.6	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2012	35.3	2020	30.7	0.8	No change	No progress	White	27.1	30.7	-4.9	Same
	Asian	2012	29.0	2020	26.4	0.4	No change	No progress			26.4	1.0	Same
	NHPI	2012	34.6	2020	28.2	0.9	No change	No progress			28.2	-1.5	Same
	Black	2012	31.7	2020	27.1	0.7	No change	No progress			27.1	0.0	Same
	Multiple races	2012	35.4	2020	28.1	1.3	Worsening	No progress			28.1	-1.4	Same
Ethnicity	Non-Hispanic, all races	2012	30.8	2020	27.2	0.6	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2012	32.3	2020	26.7	0.9	No change	No progress	Non-Hispanic, all races	27.2	26.7	0.7	Same
Age	18-44	2012	33.6	2020	28.8	0.8	No change	No progress	=====	=====	=====	=====	=====
	45-64	2012	37.5	2020	32.6	0.9	No change	No progress	18-44	28.8	32.6	-5.3	Same
	65 and over	2012	29.7	2020	26.3	0.5	No change	No progress			26.3	3.5	Same
Education	Some college	2012	30.2	2020	26.8	0.5	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2012	32.3	2020	28.5	0.6	No change	No progress	Some college	26.8	28.5	-2.3	Same
	High school graduate	2012	30.5	2020	27.0	0.6	No change	No progress			27.0	-0.3	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 4.52. Measure: Adults who reported that home health care providers talked with them about the side effects of medicines in the last 2 months of care

Source: Home Health Consumer Assessment of Healthcare Providers and Systems

Benchmark was 29.5 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	26.4	2020	22.7	0.5	No change	No progress	=====	=====	=====	=====	=====
Race	White	2012	26.4	2020	22.9	0.5	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2012	30.9	2020	25.9	0.7	No change	No progress	White	22.9	25.9	-3.9	Same
	Asian	2012	25.2	2020	22.4	0.3	No change	No progress			22.4	0.6	Same
	NHPI	2012	30.4	2020	23.7	0.9	No change	No progress			23.7	-1.0	Same
	Black	2012	27.1	2020	22.5	0.7	No change	No progress			22.5	0.5	Same
	Multiple races	2012	30.1	2020	24.3	1.1	Worsening	No progress			24.3	-1.8	Same
Ethnicity	Non-Hispanic, all races	2012	26.5	2020	22.8	0.5	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2012	28.9	2020	23.1	0.8	No change	No progress	Non-Hispanic, all races	22.8	23.1	-0.4	Same
Age	18-44	2012	29.6	2020	24.8	0.7	No change	No progress	=====	=====	=====	=====	=====
	45-64	2012	32.7	2020	27.8	0.8	No change	No progress	18-44	24.8	27.8	-4.0	Same
	65 and over	2012	25.5	2020	22.1	0.5	No change	No progress			22.1	3.6	Same
Education	Some college	2012	26.0	2020	22.6	0.5	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2012	28.0	2020	24.0	0.5	No change	No progress	Some college	22.6	24.0	-1.8	Same
	High school graduate	2012	26.1	2020	22.6	0.5	No change	No progress			22.6	0.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Person-Centered Care

The National Academy of Medicine, formerly Institute of Medicine (IOM), identifies patient centeredness as a core component of quality healthcare.¹ Patient centeredness is defined as:

*[H]ealth care that establishes a partnership among practitioners, patients, and their families (when appropriate) to ensure that decisions respect patients' wants, needs, and preferences and that patients have the education and support they need to make decisions and participate in their own care.*²

Importance

Person-centered decision making (when physicians consider the needs and circumstances of an individual) for planning an individual's care has been shown to improve healthcare outcomes.³ In addition, person-centered approaches to care have been shown to improve individuals' health status. These approaches rely on building a relationship between the individual and the provider, improving communication, fostering a positive atmosphere, and encouraging individuals to actively participate in interactions with their provider.⁴ Finally, person-centered care can reduce the chance of misdiagnosis due to poor communication.⁵

Person-centered care and successful communication help lead to increased individual and provider satisfaction, trust in the provider, and functional and psychological well-being. Effective communication also leads to improved outcomes, including:

- A small but significant absolute risk reduction of mortality from coronary artery disease,
- Improved control of diabetes and hyperlipidemia,
- Better adherence to antihypertensive medication,

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- Bereavement adjustment in caregivers of cancer patients, and
- Higher self-efficacy of adherence to HIV medications.⁶

In addition to improved outcomes, research indicates that effective person-centered care may result in decreased healthcare costs:

- Poor communication, lack of collaboration, and lack of support for self-care are associated with suffering and waste in healthcare.⁶
- Person-centeredness has been shown to reduce overuse of medical care.⁷
- Improved communication methods can lower barriers to discussion about medication costs with individuals.⁸
- Improved communication between individuals and providers during medical decision making can reduce costs.⁹

Key Findings

Person-centered care measures that improved overall include:

- Adults who had a doctor's office or clinic visit in the last 12 months whose health providers always gave them easy-to-understand instructions about what to do for a specific illness or health condition.
- Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them.
- Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand.
- Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say.

Person-centered care measures that had disparities include:

- Adults with limited English proficiency and usual source of care (USC) whose USC had language assistance.
- Adults who reported that home health care providers always treated them with courtesy and respect in the last 2 months of care.
- Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand.

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Chapter: Person-Centered Care
Section: Patient Experience of Care

Appendix Table 5.1. Measure: Composite measure: Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully, explained things clearly, respected what they had to say, and spent enough time with them

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	11.2	2019	9.0	-2.3	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	10.9	2019	8.9	-2.4	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2002	19.8	2016	24.0	0.8	No change	=====	White	8.9	-----	-----	-----
	Asian	2002	13.9	2019	11.2	-3.2	Improving	=====			11.2	26.1	Same
	Black	2002	11.7	2019	8.5	-2.3	Improving	=====			8.5	-4.5	Same
	Multiple races	2002	14.1	2019	9.3	-3.3	Improving	=====			9.3	5.2	Same
Ethnicity	Non-Hispanic, White	2002	10.2	2019	8.8	-2.3	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	16.8	2019	10.1	-3.2	Improving	=====	Non-Hispanic, White	8.8	10.1	15.8	Same
	Non-Hispanic, all races	2002	10.6	2019	8.9	-2.2	Improving	=====			8.9	1.4	Same
	Non-Hispanic, Asian	2002	13.9	2019	10.7	-3.3	Improving	=====			10.7	21.8	Same
	Non-Hispanic, Black	2002	11.8	2019	8.2	-2.3	Improving	=====			8.2	-6.5	Same
	Non-Hispanic, others	2002	15.5	2019	10.8	-1.7	Improving	=====			10.8	22.7	Same
Income	400% of PG or more	2002	9.1	2019	7.6	-2.3	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	17.1	2019	12.8	-2.0	Improving	=====	400% of PG or more	7.6	12.8	68.5	Worse
	100-199% of PG	2002	13.1	2019	10.9	-2.0	Improving	=====			10.9	42.6	Worse
	200-399% of PG	2002	11.5	2019	9.3	-2.7	Improving	=====			9.3	22.6	Worse
Health insurance	Any private	2002	10.8	2019	8.6	-2.4	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	16.5	2019	15.5	-1.8	Improving	=====	Any private	8.6	15.5	78.8	Worse
	Uninsured	2002	20.6	2019	13.3	-2.0	Improving	=====			13.3	53.4	Same
Metropolitan status	Large fringe metro	2002	11.1	2019	8.9	-2.7	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	11.5	2019	9.1	-2.4	Improving	=====	Large fringe metro	8.9	9.1	2.4	Same
	Large central metro	2002	13.4	2019	10.0	-2.8	Improving	=====			10.0	12.9	Same
	Medium metro	2002	9.9	2019	8.2	-1.9	Improving	=====			8.2	-7.7	Same
	Small metro	2002	10.5	2019	8.4	-1.4	No change	=====			8.4	-5.1	Same
	Nonmetropolitan	2002	9.7	2019	8.9	-1.6	Improving	=====			8.9	0.1	Same
	Micropolitan	2002	9.1	2019	8.6	-1.7	Improving	=====			8.6	-3.3	Same
	Noncore	2002	10.9	2019	9.3	-1.6	No change	=====			9.3	5.3	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2002	13.7	2019	10.4	-2.4	Improving	=====	=====	=====	=====	=====	=====
	45-64	2002	10.2	2019	9.5	-1.6	Improving	=====	18-44	10.4	9.5	-8.1	Same
	65 and over	2002	7.1	2019	6.4	-2.0	Improving	=====			6.4	-37.9	Better
Disability status	Without disability	2013	6.8	2019	8.3	5.2	No change	=====	=====	=====	=====	=====	=====
	With disability	2013	11.2	2019	11.9	2.7	No change	=====	Without disability	8.3	11.9	44.1	Worse
Gender	Male	2002	11.0	2019	8.7	-2.1	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	11.4	2019	9.3	-2.5	Improving	=====	Male	8.7	9.3	6.6	Same
Education	Some college	2002	10.2	2019	8.1	-2.2	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	13.8	2019	11.3	-1.8	Improving	=====	Some college	8.1	11.3	40.3	Worse
	High school graduate	2002	11.3	2019	10.3	-1.8	Improving	=====			10.3	27.0	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.2. Measure: Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	10.3	2019	8.8	-1.7	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	10.1	2019	8.8	-1.7	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2002	16.9	2019	16.5	2.2	No change	=====	White	8.8	16.5	87.5	Same
	Asian	2002	13.6	2019	9.6	-3.3	Improving	=====			9.6	9.3	Same
	Black	2002	10.6	2019	7.5	-2.0	Improving	=====			7.5	-15.0	Same
	Multiple races	2002	11.9	2019	9.6	-1.8	Improving	=====			9.6	8.6	Same
Ethnicity	Non-Hispanic, White	2002	9.5	2019	8.8	-1.7	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	15.0	2019	9.2	-2.4	Improving	=====	Non-Hispanic, White	8.8	9.2	4.2	Same
	Non-Hispanic, all races	2002	9.9	2019	8.7	-1.7	Improving	=====			8.7	-1.1	Same
	Non-Hispanic, Asian	2002	13.7	2019	9.1	-3.4	Improving	=====			9.1	3.1	Same
	Non-Hispanic, Black	2002	10.6	2019	7.2	-2.0	Improving	=====			7.2	-18.9	Better
	Non-Hispanic, others	2002	12.8	2019	11.3	-0.6	No change	=====			11.3	27.6	Same
Income	400% of PG or more	2002	8.3	2019	7.8	-1.7	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	15.4	2019	11.3	-1.7	Improving	=====	400% of PG or more	7.8	11.3	44.8	Worse
	100-199% of PG	2002	12.9	2019	11.0	-1.0	Improving	=====			11.0	41.7	Worse
	200-399% of PG	2002	10.4	2019	8.6	-2.2	Improving	=====			8.6	11.1	Same
Health insurance	Any private	2002	9.9	2019	8.4	-1.8	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	15.7	2019	14.9	-1.2	Improving	=====	Any private	8.4	14.9	77.8	Worse
	Uninsured	2002	18.3	2019	10.1	-2.3	Improving	=====			10.1	20.6	Same
Metropolitan status	Large fringe metro	2002	10.3	2019	8.8	-2.2	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	10.6	2019	8.9	-1.8	Improving	=====	Large fringe metro	8.8	8.9	1.0	Same
	Large central metro	2002	12.1	2019	9.5	-2.1	Improving	=====			9.5	7.8	Same
	Medium metro	2002	9.9	2019	8.2	-1.5	Improving	=====			8.2	-7.1	Same
	Small metro	2002	8.2	2019	8.6	-0.4	No change	=====			8.6	-2.2	Same
	Nonmetropolitan	2002	9.0	2019	8.4	-1.1	Improving	=====			8.4	-4.3	Same
	Micropolitan	2002	8.1	2019	8.0	-1.1	No change	=====			8.0	-8.9	Same
	Noncore	2002	10.9	2019	9.0	-1.2	No change	=====			9.0	3.0	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2002	12.6	2019	10.0	-1.9	Improving	=====	=====	=====	=====	=====	=====
	45-64	2002	9.4	2019	9.1	-1.1	Improving	=====	18-44	10.0	9.1	-9.1	Same
	65 and over	2002	6.8	2019	6.7	-0.9	No change	=====			6.7	-33.1	Better
Disability status	Without disability	2013	7.0	2019	8.0	3.9	No change	=====	=====	=====	=====	=====	=====
	With disability	2013	10.0	2019	11.9	3.9	Worsening	=====	Without disability	8.0	11.9	49.6	Worse
Gender	Male	2002	10.1	2019	8.7	-1.4	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	10.5	2019	8.9	-1.9	Improving	=====	Male	8.7	8.9	1.5	Same
Education	Some college	2002	9.5	2019	8.1	-1.7	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	12.6	2019	10.1	-1.6	Improving	=====	Some college	8.1	10.1	24.6	Worse
	High school graduate	2002	10.4	2019	9.8	-0.9	No change	=====			9.8	21.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.3. Measure: Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	9.0	2019	8.1	-2.4	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	8.5	2019	7.4	-2.5	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2002	19.0	2019	16.9	0.5	No change	=====	White	7.4	16.9	129.6	Worse
	Asian	2002	12.5	2019	14.4	-2.7	Improving	=====			14.4	95.0	Worse
	Black	2002	10.6	2019	9.4	-2.5	Improving	=====			9.4	27.0	Worse
	Multiple races	2002	11.5	2019	8.5	-4.8	Improving	=====			8.5	15.1	Same
Ethnicity	Non-Hispanic, White	2002	7.7	2019	6.8	-2.5	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	14.9	2019	11.5	-3.1	Improving	=====	Non-Hispanic, White	6.8	11.5	69.4	Worse
	Non-Hispanic, all races	2002	8.4	2019	7.6	-2.4	Improving	=====			7.6	11.8	Same
	Non-Hispanic, Asian	2002	12.5	2019	13.9	-2.8	Improving	=====			13.9	104.3	Worse
	Non-Hispanic, Black	2002	10.7	2019	9.1	-2.4	Improving	=====			9.1	34.0	Worse
	Non-Hispanic, others	2002	13.5	2019	9.2	-3.1	Improving	=====			9.2	34.9	Same
Income	400% of PG or more	2002	6.9	2019	6.3	-2.4	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	14.2	2019	12.4	-2.3	Improving	=====	400% of PG or more	6.3	12.4	96.1	Worse
	100-199% of PG	2002	10.7	2019	11.1	-1.5	Improving	=====			11.1	75.6	Worse
	200-399% of PG	2002	9.5	2019	8.1	-3.0	Improving	=====			8.1	27.4	Worse
Health insurance	Any private	2002	7.9	2019	7.2	-2.6	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	14.9	2019	13.1	-2.5	Improving	=====	Any private	7.2	13.1	81.7	Worse
	Uninsured	2002	16.7	2019	13.0	-1.8	Improving	=====			13.0	80.7	Worse
Metropolitan status	Large fringe metro	2002	8.3	2019	8.3	-2.1	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	9.1	2019	8.0	-2.5	Improving	=====	Large fringe metro	8.3	8.0	-4.3	Same
	Large central metro	2002	10.8	2019	8.0	-3.1	Improving	=====			8.0	-3.5	Same
	Medium metro	2002	8.1	2019	7.7	-1.8	Improving	=====			7.7	-8.0	Same
	Small metro	2002	8.3	2019	7.5	-2.7	Improving	=====			7.5	-10.4	Same
	Nonmetropolitan	2002	8.4	2019	8.7	-1.8	Improving	=====			8.7	4.1	Same
	Micropolitan	2002	7.4	2019	8.3	-1.7	No change	=====			8.3	-0.1	Same
	Noncore	2002	10.4	2019	9.2	-2.1	No change	=====			9.2	10.4	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2002	10.3	2019	8.6	-2.8	Improving	=====	=====	=====	=====	=====	=====
	45-64	2002	8.2	2019	8.2	-1.7	Improving	=====	18-44	8.6	8.2	-4.4	Same
	65 and over	2002	7.4	2019	7.1	-2.2	Improving	=====			7.1	-17.2	Same
Disability status	Without disability	2013	4.9	2019	7.3	9.5	Worsening	=====	=====	=====	=====	=====	=====
	With disability	2013	9.6	2019	11.0	5.0	No change	=====	Without disability	7.3	11.0	51.6	Worse
Gender	Male	2002	9.1	2019	8.3	-2.0	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	8.9	2019	7.9	-2.7	Improving	=====	Male	8.3	7.9	-5.4	Same
Education	Some college	2002	6.8	2019	6.3	-2.1	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	13.1	2019	12.8	-1.4	Improving	=====	Some college	6.3	12.8	102.1	Worse
	High school graduate	2002	9.9	2019	10.4	-1.8	Improving	=====			10.4	65.0	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.4. Measure: Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	8.8	2019	6.8	-2.2	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	8.6	2019	6.7	-2.1	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2002	15.4	2019	11.8	-1.7	No change	=====	White	6.7	11.8	75.1	Same
	Asian	2002	12.2	2019	7.5	-2.9	Improving	=====			7.5	12.4	Same
	Black	2002	8.9	2019	6.2	-2.7	Improving	=====			6.2	-7.5	Same
	Multiple races	2002	10.7	2019	8.2	-3.9	Improving	=====			8.2	22.5	Same
Ethnicity	Non-Hispanic, White	2002	8.3	2019	6.8	-2.1	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	11.0	2019	6.8	-2.7	Improving	=====	Non-Hispanic, White	6.8	6.8	-0.1	Same
	Non-Hispanic, all races	2002	8.6	2019	6.8	-2.2	Improving	=====			6.8	-0.1	Same
	Non-Hispanic, Asian	2002	12.2	2019	7.0	-3.1	Improving	=====			7.0	3.2	Same
	Non-Hispanic, Black	2002	9.0	2019	6.0	-2.8	Improving	=====			6.0	-11.5	Same
	Non-Hispanic, others	2002	11.9	2019	8.8	-3.1	Improving	=====			8.8	29.7	Same
Income	400% of PG or more	2002	7.1	2019	5.5	-2.2	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	13.1	2019	10.3	-1.8	Improving	=====	400% of PG or more	5.5	10.3	87.9	Worse
	100-199% of PG	2002	10.5	2019	7.8	-2.1	Improving	=====			7.8	42.0	Worse
	200-399% of PG	2002	9.2	2019	7.4	-2.5	Improving	=====			7.4	36.0	Worse
Health insurance	Any private	2002	8.6	2019	6.3	-2.4	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	12.6	2019	11.9	-1.6	Improving	=====	Any private	6.3	11.9	87.4	Worse
	Uninsured	2002	15.8	2019	10.6	-2.1	Improving	=====			10.6	67.8	Same
Metropolitan status	Large fringe metro	2002	8.6	2019	6.2	-2.8	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	9.0	2019	6.7	-2.3	Improving	=====	Large fringe metro	6.2	6.7	8.9	Same
	Large central metro	2002	10.3	2019	7.7	-2.7	Improving	=====			7.7	23.8	Worse
	Medium metro	2002	7.8	2019	5.9	-1.8	Improving	=====			5.9	-4.2	Same
	Small metro	2002	8.7	2019	6.8	-1.1	No change	=====			6.8	10.0	Same
	Nonmetropolitan	2002	8.1	2019	7.2	-1.6	Improving	=====			7.2	16.0	Same
	Micropolitan	2002	7.5	2019	7.1	-1.7	Improving	=====			7.1	15.4	Same
	Noncore	2002	9.3	2019	7.2	-1.1	No change	=====			7.2	17.0	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2002	10.6	2019	7.6	-2.1	Improving	=====	=====	=====	=====	=====	=====
	45-64	2002	8.3	2019	7.2	-1.9	Improving	=====	18-44	7.6	7.2	-5.2	Same
	65 and over	2002	5.7	2019	5.0	-1.9	Improving	=====			5.0	-34.6	Better
Disability status	Without disability	2013	5.3	2019	6.1	5.4	No change	=====	=====	=====	=====	=====	=====
	With disability	2013	8.9	2019	9.2	1.4	No change	=====	Without disability	6.1	9.2	50.5	Worse
Gender	Male	2002	8.6	2019	6.6	-2.0	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	9.0	2019	7.0	-2.4	Improving	=====	Male	6.6	7.0	6.3	Same
Education	Some college	2002	7.9	2019	6.2	-1.9	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	11.1	2019	7.5	-2.2	Improving	=====	Some college	6.2	7.5	20.5	Same
	High school graduate	2002	9.0	2019	7.9	-1.7	Improving	=====			7.9	27.0	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.5. Measure: Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	15.3	2019	11.9	-2.5	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	14.8	2019	11.7	-2.5	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2002	22.2	2019	16.4	0.7	No change	=====	White	11.7	16.4	40.2	Same
	Asian	2002	20.0	2019	13.5	-3.9	Improving	=====			13.5	15.4	Same
	Black	2002	15.9	2019	12.0	-2.3	Improving	=====			12.0	2.6	Same
	Multiple races	2002	21.7	2019	14.7	-2.9	Improving	=====			14.7	25.6	Same
Ethnicity	Non-Hispanic, White	2002	14.0	2019	11.7	-2.5	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	21.6	2019	12.4	-3.1	Improving	=====	Non-Hispanic, White	11.7	12.4	6.0	Same
	Non-Hispanic, all races	2002	14.6	2019	11.9	-2.4	Improving	=====			11.9	1.7	Same
	Non-Hispanic, Asian	2002	19.9	2019	12.9	-4.0	Improving	=====			12.9	10.3	Same
	Non-Hispanic, Black	2002	15.9	2019	11.8	-2.2	Improving	=====			11.8	0.9	Same
	Non-Hispanic, others	2002	22.1	2019	15.3	-2.2	Improving	=====			15.3	30.8	Same
Income	400% of PG or more	2002	13.3	2019	10.6	-2.5	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	20.5	2019	16.2	-2.1	Improving	=====	400% of PG or more	10.6	16.2	52.8	Worse
	100-199% of PG	2002	16.4	2019	13.3	-2.1	Improving	=====			13.3	25.5	Worse
	200-399% of PG	2002	15.9	2019	12.1	-2.8	Improving	=====			12.1	14.2	Same
Health insurance	Any private	2002	15.3	2019	12.3	-2.4	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	19.7	2019	17.1	-1.8	Improving	=====	Any private	12.3	17.1	39.0	Worse
	Uninsured	2002	24.7	2019	19.1	-1.9	Improving	=====			19.1	55.3	Worse
Metropolitan status	Large fringe metro	2002	15.4	2019	11.7	-2.7	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	15.7	2019	12.2	-2.5	Improving	=====	Large fringe metro	11.7	12.2	4.3	Same
	Large central metro	2002	18.2	2019	12.9	-3.0	Improving	=====			12.9	10.3	Same
	Medium metro	2002	13.3	2019	12.1	-1.9	Improving	=====			12.1	3.4	Same
	Small metro	2002	14.7	2019	11.2	-1.7	Improving	=====			11.2	-4.3	Same
	Nonmetropolitan	2002	12.9	2019	10.5	-2.3	Improving	=====			10.5	-10.3	Same
	Micropolitan	2002	12.6	2019	10.4	-2.4	Improving	=====			10.4	-11.1	Same
Noncore	2002	13.3	2019	10.7	-2.0	Improving	=====			10.7	-8.5	Same	

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2002	19.2	2019	14.8	-2.5	Improving	=====	=====	=====	=====	=====	=====
	45-64	2002	13.1	2019	11.9	-1.6	Improving	=====	18-44	14.8	11.9	-19.6	Better
	65 and over	2002	9.8	2019	7.9	-2.5	Improving	=====			7.9	-46.6	Better
Disability status	Without disability	2013	9.5	2019	11.3	3.8	No change	=====	=====	=====	=====	=====	=====
	With disability	2013	13.2	2019	14.6	2.6	No change	=====	Without disability	11.3	14.6	29.2	Worse
Gender	Male	2002	14.9	2019	12.1	-2.0	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	15.5	2019	11.9	-2.8	Improving	=====	Male	12.1	11.9	-1.7	Same
Education	Some college	2002	14.8	2019	11.6	-2.6	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	17.3	2019	13.4	-2.1	Improving	=====	Some college	11.6	13.4	15.5	Same
	High school graduate	2002	14.7	2019	12.0	-2.2	Improving	=====			12.0	3.4	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.6. Measure: Adults who rated their healthcare received in the last 12 months as poor (0-6) on a scale of 0-10 (where 0 is the worst and 10 is the best)

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	14.4	2019	13.5	-1.3	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	13.8	2019	13.1	-1.3	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2002	23.9	2019	16.6	-0.4	No change	=====	White	13.1	16.6	26.7	Same
	Asian	2002	19.4	2019	14.0	-3.0	Improving	=====			14.0	6.9	Same
	Black	2002	16.2	2019	15.2	-1.5	Improving	=====			15.2	16.0	Same
	Multiple races	2002	20.1	2019	16.1	-2.5	Improving	=====			16.1	22.9	Same
Ethnicity	Non-Hispanic, White	2002	13.2	2019	12.9	-1.1	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	18.9	2019	14.0	-2.6	Improving	=====	Non-Hispanic, White	12.9	14.0	8.5	Same
	Non-Hispanic, all races	2002	14.0	2019	13.4	-1.2	Improving	=====			13.4	3.9	Same
	Non-Hispanic, Asian	2002	19.3	2019	13.6	-3.1	Improving	=====			13.6	5.4	Same
	Non-Hispanic, Black	2002	16.1	2019	15.3	-1.4	Improving	=====			15.3	18.6	Worse
	Non-Hispanic, others	2002	21.6	2019	17.5	-1.7	Improving	=====			17.5	35.7	Same
Income	400% of PG or more	2002	12.0	2019	10.6	-1.7	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	21.3	2019	20.1	-1.0	No change	=====	400% of PG or more	10.6	20.1	89.6	Worse
	100-199% of PG	2002	17.1	2019	16.9	-0.9	No change	=====			16.9	59.4	Worse
	200-399% of PG	2002	14.5	2019	14.6	-1.3	Improving	=====			14.6	37.7	Worse
Health insurance	Any private	2002	13.5	2019	13.0	-1.4	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	22.2	2019	20.8	-1.0	Improving	=====	Any private	13.0	20.8	60.0	Worse
	Uninsured	2002	25.7	2019	23.7	-0.9	No change	=====			23.7	82.3	Worse
Metropolitan status	Large fringe metro	2002	13.5	2019	12.3	-1.5	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	14.7	2019	13.2	-1.5	Improving	=====	Large fringe metro	12.3	13.2	7.3	Same
	Large central metro	2002	17.5	2019	13.4	-2.5	Improving	=====			13.4	8.9	Same
	Medium metro	2002	12.9	2019	12.5	-0.6	No change	=====			12.5	1.6	Same
	Small metro	2002	13.0	2019	16.5	0.0	No change	=====			16.5	34.1	Worse
	Nonmetropolitan	2002	13.0	2019	14.9	-0.4	No change	=====			14.9	21.1	Same
	Micropolitan	2002	12.4	2019	15.9	-0.2	No change	=====			15.9	29.3	Worse
	Noncore	2002	14.5	2019	13.2	-0.8	No change	=====			13.2	7.3	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2002	16.3	2019	15.8	-1.4	Improving	=====	=====	=====	=====	=====	=====
	45-64	2002	14.1	2019	13.5	-0.8	No change	=====	18-44	15.8	13.5	-14.6	Better
	65 and over	2002	10.3	2019	10.1	-1.2	Improving	=====			10.1	-36.1	Better
Disability status	Without disability	2013	10.2	2019	12.0	3.9	No change	=====	=====	=====	=====	=====	=====
	With disability	2013	16.9	2019	19.1	3.4	No change	=====	Without disability	12.0	19.1	59.2	Worse
Gender	Male	2002	14.6	2019	14.0	-1.2	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	14.2	2019	13.1	-1.4	Improving	=====	Male	14.0	13.1	-6.4	Same
Education	Some college	2002	12.5	2019	11.6	-1.3	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	18.1	2019	18.0	-1.0	No change	=====	Some college	11.6	18.0	55.2	Worse
	High school graduate	2002	15.1	2019	16.2	-0.5	No change	=====			16.2	39.7	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.7. Measure: Adults with limited English proficiency and usual source of care (USC) whose USC had language assistance

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2018	88.9	2019	92.0	-----	-----	=====	=====	=====	=====	=====	=====
Race	White	2018	94.0	2019	95.7	-----	-----	=====	=====	=====	=====	=====	=====
	Asian	2018	68.5	2019	79.7	-----	-----	=====	White	95.7	79.7	372.1	Worse
Ethnicity	Hispanic, all races	2018	95.4	2019	96.6	-----	-----	=====	Non-Hispanic, White	-----	-----	-----	-----
	Non-Hispanic, all races	2018	69.4	2019	79.3	-----	-----	=====		-----	-----	-----	-----
	Non-Hispanic, Asian	2018	68.2	2019	79.7	-----	-----	=====		-----	-----	-----	-----
Income	400% of PG or more	2019	84.3	2019	84.3	-----	-----	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2018	86.2	2019	95.7	-----	-----	=====	400% of PG or more	84.3	95.7	-72.6	Same
	100-199% of PG	2018	92.4	2019	95.1	-----	-----	=====			95.1	-68.8	Same
	200-399% of PG	2018	96.2	2019	90.9	-----	-----	=====			90.9	-42.0	Same
Health insurance	Any private	2018	88.1	2019	90.9	-----	-----	=====	=====	=====	=====	=====	=====
	Public only	2018	89.5	2019	93.4	-----	-----	=====	Any private	90.9	93.4	-27.5	Same
	Uninsured	2018	92.4	2019	94.6	-----	-----	=====			94.6	-40.7	Same
Metropolitan status	Large fringe metro	2018	83.0	2019	94.2	-----	-----	=====	=====	=====	=====	=====	=====
	Metropolitan	2018	88.9	2019	91.9	-----	-----	=====	Large fringe metro	94.2	91.9	39.7	Same
	Large central metro	2018	90.0	2019	90.8	-----	-----	=====			90.8	58.6	Same
	Medium metro	2018	93.7	2019	91.4	-----	-----	=====			91.4	48.3	Same
Age	18-44	2018	94.8	2019	95.0	-----	-----	=====	=====	=====	=====	=====	=====
	45-64	2018	86.7	2019	90.8	-----	-----	=====	18-44	95.0	90.8	84.0	Same
	65 and over	2018	86.9	2019	90.9	-----	-----	=====			90.9	82.0	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Disability status	Without disability	2018	89.4	2019	92.9	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2018	87.5	2019	88.5	-----	-----	=====	Without disability	92.9	88.5	62.0	Same
Gender	Male	2018	85.5	2019	92.8	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2018	91.2	2019	91.5	-----	-----	=====	Male	92.8	91.5	18.1	Same
Education	Some college	2018	88.6	2019	86.6	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2018	91.8	2019	93.0	-----	-----	=====	Some college	86.6	93.0	-47.8	Same
	High school graduate	2018	83.8	2019	93.1	-----	-----	=====			93.1	-48.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.8. Measure: Adults with limited English proficiency who had a usual source of care

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2018	59.6	2019	58.6	-----	-----	=====	=====	=====	=====	=====	=====
Race	White	2018	59.0	2019	56.0	-----	-----	=====	=====	=====	=====	=====	=====
	Asian	2018	67.2	2019	70.8	-----	-----	=====	White	56.0	70.8	-33.6	Better
Ethnicity	Hispanic, all races	2018	56.9	2019	55.7	-----	-----	=====	Non-Hispanic, White	-----	-----	-----	-----
	Non-Hispanic, all races	2018	68.9	2019	68.4	-----	-----	=====		-----	-----	-----	-----
	Non-Hispanic, Asian	2018	67.0	2019	70.8	-----	-----	=====		-----	-----	-----	-----
Income	400% of PG or more	2018	67.4	2019	73.8	-----	-----	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2018	57.8	2019	55.3	-----	-----	=====	400% of PG or more	73.8	55.3	70.6	Worse
	100-199% of PG	2018	59.0	2019	59.2	-----	-----	=====			59.2	55.7	Worse
	200-399% of PG	2018	58.0	2019	52.8	-----	-----	=====			52.8	80.2	Worse
Health insurance	Any private	2018	59.2	2019	63.1	-----	-----	=====	=====	=====	=====	=====	=====
	Public only	2018	67.9	2019	63.9	-----	-----	=====	Any private	63.1	63.9	-2.2	Same
	Uninsured	2018	36.1	2019	33.4	-----	-----	=====			33.4	80.5	Worse
Metropolitan status	Large fringe metro	2018	51.4	2019	57.2	-----	-----	=====	=====	=====	=====	=====	=====
	Metropolitan	2018	59.1	2019	58.5	-----	-----	=====	Large fringe metro	57.2	58.5	-3.0	Same
	Large central metro	2018	59.7	2019	59.3	-----	-----	=====			59.3	-4.9	Same
	Medium metro	2018	63.5	2019	54.8	-----	-----	=====			54.8	5.6	Same
	Small metro	2018	71.0	2018	71.0	-----	-----	=====			-----	-----	-----
	Nonmetropolitan	2018	68.9	2019	61.1	-----	-----	=====			61.1	-9.1	Same
	Micropolitan	2018	73.4	2018	73.4	-----	-----	=====			-----	-----	-----

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2018	41.1	2019	42.6	-----	-----	=====					
	45-64	2018	63.5	2019	61.8	-----	-----	=====	18-44	42.6	61.8	-33.4	Better
	65 and over	2018	85.6	2019	82.1	-----	-----	=====			82.1	-68.8	Better
Disability status	Without disability	2018	54.5	2019	54.9	-----	-----	=====					
	With disability	2018	88.2	2019	80.0	-----	-----	=====	Without disability	54.9	80.0	-55.7	Better
Gender	Male	2018	52.9	2019	52.8	-----	-----	=====					
	Female	2018	64.9	2019	63.0	-----	-----	=====	Male	52.8	63.0	-21.6	Better
Education	Some college	2018	58.6	2019	55.2	-----	-----	=====					
	Less than high school graduate	2018	59.5	2019	61.6	-----	-----	=====	Some college	55.2	61.6	-14.3	Same
	High school graduate	2018	62.0	2019	56.6	-----	-----	=====			56.6	-3.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.9. Measure: People with a usual source of care whose providers sometimes or never asked them to help make decisions when there was a choice between treatments

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	21.9	2019	21.2	-0.3	No change	=====	=====	=====	=====	=====	=====
Race	White	2002	21.0	2019	19.9	-0.4	No change	=====	=====	=====	=====	=====	=====
	AI/AN	2002	25.2	2019	28.3	2.2	No change	=====	White	19.9	28.3	42.2	Same
	Asian	2002	25.5	2019	26.4	-0.4	No change	=====			26.4	32.7	Worse
	Black	2002	26.4	2019	27.7	-0.1	No change	=====			27.7	39.2	Worse
	Multiple races	2002	27.8	2019	18.5	-2.0	Improving	=====			18.5	-7.0	Same
Ethnicity	Non-Hispanic, White	2002	19.9	2019	17.9	-0.9	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	27.6	2019	27.7	0.8	No change	=====	Non-Hispanic, White	17.9	27.7	54.7	Worse
	Non-Hispanic, all races	2002	21.1	2019	20.0	-0.7	No change	=====			20.0	11.7	Worse
	Non-Hispanic, Asian	2002	25.7	2019	26.7	-0.3	No change	=====			26.7	49.2	Worse
	Non-Hispanic, Black	2002	26.4	2019	27.7	-0.1	No change	=====			27.7	54.7	Worse
	Non-Hispanic, others	2002	24.9	2019	20.0	-1.6	Improving	=====			20.0	11.7	Same
Income	400% of PG or more	2002	18.9	2019	18.5	-0.3	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	27.7	2019	26.0	-0.3	No change	=====	400% of PG or more	18.5	26.0	40.5	Worse
	100-199% of PG	2002	23.5	2019	25.9	0.1	No change	=====			25.9	40.0	Worse
	200-399% of PG	2002	22.6	2019	20.8	-0.7	No change	=====			20.8	12.4	Same
Health insurance	Any private	2002	20.6	2019	18.3	-0.8	No change	=====	=====	=====	=====	=====	=====
	Public only	2002	27.2	2019	25.6	-0.3	No change	=====	Any private	18.3	25.6	39.9	Worse
	Uninsured	2002	25.2	2019	27.6	0.7	No change	=====			27.6	50.8	Worse
Metropolitan status	Large fringe metro	2002	21.1	2019	21.0	-0.1	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	22.4	2019	21.8	-0.4	No change	=====	Large fringe metro	21.0	21.8	3.8	Same
	Large central metro	2002	25.6	2019	24.0	-0.2	No change	=====			24.0	14.3	Worse
	Medium metro	2002	20.5	2019	19.1	-0.9	No change	=====			19.1	-9.0	Same
	Small metro	2002	20.1	2019	22.3	-0.3	No change	=====			22.3	6.2	Same
	Nonmetropolitan	2002	19.3	2019	18.0	-0.4	No change	=====			18.0	-14.3	Same
	Micropolitan	2002	18.6	2019	18.0	-0.7	No change	=====			18.0	-14.3	Same
Noncore	2002	20.7	2019	18.0	0.1	No change	=====			18.0	-14.3	Same	

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2002	22.6	2019	22.8	0.0	No change	=====	=====	=====	=====	=====	=====
	0-17	2002	22.1	2019	16.3	-1.5	Improving	=====	18-44	22.8	16.3	-28.5	Better
	45-64	2002	20.9	2019	22.2	0.2	No change	=====			22.2	-2.6	Same
	65 and over	2002	21.4	2019	24.8	0.0	No change	=====			24.8	8.8	Same
Disability status	Without disability	2013	15.3	2019	22.1	7.8	Worsening	=====	=====	=====	=====	=====	=====
	With disability	2013	22.1	2019	26.9	5.6	No change	=====	Without disability	22.1	26.9	21.7	Worse
Gender	Male	2002	22.0	2019	21.5	-0.2	No change	=====	=====	=====	=====	=====	=====
	Female	2002	21.8	2019	21.0	-0.4	No change	=====	Male	21.5	21.0	-2.3	Same
Education	Some college	2002	19.4	2019	20.4	-0.2	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	25.9	2019	30.8	1.0	No change	=====	Some college	20.4	30.8	51.0	Worse
	High school graduate	2002	22.6	2019	25.8	0.5	No change	=====			25.8	26.5	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.10. Measure: Adults who had a doctor's office or clinic visit in the last 12 months whose health providers always gave them easy-to-understand instructions about what to do for a specific illness or health condition

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening Disparities: ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2011	64.1	2019	70.2	-2.8	Improving	=====	=====	=====	=====	=====	=====
Race	White	2011	64.6	2019	70.9	-2.9	Improving	=====	=====	=====	=====	=====	=====
	Asian	2011	57.2	2019	64.8	-2.8	Improving	=====	White	70.9	64.8	21.0	Worse
	Black	2011	63.3	2019	69.4	-2.6	Improving	=====			69.4	5.2	Same
	Multiple races	2011	61.4	2019	68.6	-1.7	No change	=====			68.6	7.9	Same
Ethnicity	Non-Hispanic, White	2011	65.4	2019	71.6	-2.9	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2011	58.7	2019	66.1	-3.3	Improving	=====	Non-Hispanic, White	71.6	66.1	19.4	Worse
	Non-Hispanic, all races	2011	64.8	2019	70.8	-2.7	Improving	=====			70.8	2.8	Same
	Non-Hispanic, Asian	2011	57.2	2019	64.8	-2.7	Improving	=====			64.8	23.9	Worse
	Non-Hispanic, Black	2011	64.0	2019	69.5	-2.5	Improving	=====			69.5	7.4	Same
	Non-Hispanic, others	2011	62.6	2019	64.2	-0.4	No change	=====			64.2	26.1	Same
Income	400% of PG or more	2011	68.3	2019	73.3	-2.9	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2011	55.4	2019	64.3	-2.6	Improving	=====	400% of PG or more	73.3	64.3	33.7	Worse
	100-199% of PG	2011	60.3	2019	65.6	-2.1	Improving	=====			65.6	28.8	Worse
	200-399% of PG	2011	63.2	2019	69.1	-2.4	Improving	=====			69.1	15.7	Worse
Health insurance	Any private	2011	66.0	2019	72.4	-3.1	Improving	=====	=====	=====	=====	=====	=====
	Public only	2011	55.7	2019	63.7	-2.5	Improving	=====	Any private	72.4	63.7	31.5	Worse
	Uninsured	2011	56.1	2019	59.2	-0.8	No change	=====			59.2	47.8	Worse
Metropolitan status	Large fringe metro	2011	66.1	2019	69.4	-2.6	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2011	64.1	2019	70.3	-2.9	Improving	=====	Large fringe metro	69.4	70.3	-2.9	Same
	Large central metro	2011	63.3	2019	69.7	-3.1	Improving	=====			69.7	-1.0	Same
	Medium metro	2011	63.9	2019	71.7	-3.1	Improving	=====			71.7	-7.5	Same
	Small metro	2011	62.0	2019	71.8	-3.3	Improving	=====			71.8	-7.8	Same
	Nonmetropolitan	2011	64.1	2019	69.7	-1.9	Improving	=====			69.7	-1.0	Same
	Micropolitan	2011	64.4	2019	69.0	-1.8	No change	=====			69.0	1.3	Same
	Noncore	2011	63.2	2019	70.9	-2.1	Improving	=====			70.9	-4.9	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2011	63.0	2019	70.2	-3.1	Improving	=====	=====	=====	=====	=====	=====
	45-64	2011	64.7	2019	70.7	-2.8	Improving	=====	18-44	70.2	70.7	-1.7	Same
	65 and over	2011	65.2	2019	69.7	-2.3	Improving	=====			69.7	1.7	Same
Disability status	Without disability	2013	69.2	2019	72.7	-2.4	No change	=====	=====	=====	=====	=====	=====
	With disability	2013	61.0	2019	61.9	-1.0	No change	=====	Without disability	72.7	61.9	39.6	Worse
Gender	Male	2011	64.0	2019	69.7	-2.3	Improving	=====	=====	=====	=====	=====	=====
	Female	2011	64.2	2019	70.6	-3.2	Improving	=====	Male	69.7	70.6	-3.0	Same
Education	Some college	2011	66.1	2019	73.2	-3.5	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2011	59.6	2019	60.0	-0.4	No change	=====	Some college	73.2	60.0	49.3	Worse
	High school graduate	2011	61.6	2019	66.5	-2.2	Improving	=====			66.5	25.0	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.11. Measure: Adults who had a doctor's office or clinic visit in the last 12 months whose health providers always asked them to describe how they would follow the instructions

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2011	24.4	2019	25.6	-0.3	No change	=====	=====	=====	=====	=====	=====
Race	White	2011	22.8	2019	23.7	-0.2	No change	=====	=====	=====	=====	=====	=====
	Asian	2011	32.8	2019	30.5	0.0	No change	=====	White	23.7	30.5	-8.9	Same
	Black	2011	34.4	2019	37.3	-0.4	No change	=====			37.3	-17.8	Better
	Multiple races	2011	27.3	2019	30.4	-0.6	No change	=====			30.4	-8.8	Same
Ethnicity	Non-Hispanic, White	2011	21.3	2019	21.9	-0.2	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2011	33.0	2019	36.2	-0.7	No change	=====	Non-Hispanic, White	21.9	36.2	-18.3	Better
	Non-Hispanic, all races	2011	23.4	2019	24.3	-0.2	No change	=====			24.3	-3.1	Same
	Non-Hispanic, Asian	2011	32.9	2019	30.7	-0.1	No change	=====			30.7	-11.3	Better
	Non-Hispanic, Black	2011	34.8	2019	37.5	-0.4	No change	=====			37.5	-20.0	Better
	Non-Hispanic, others	2011	26.5	2019	30.0	-0.3	No change	=====			30.0	-10.4	Better
Income	400% of PG or more	2011	22.3	2019	23.1	-0.2	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2011	29.6	2019	31.1	-0.6	No change	=====	400% of PG or more	23.1	31.1	-10.4	Better
	100-199% of PG	2011	26.6	2019	30.5	-0.7	No change	=====			30.5	-9.6	Same
	200-399% of PG	2011	24.7	2019	26.0	-0.3	No change	=====			26.0	-3.8	Same
Health insurance	Any private	2011	22.8	2019	24.1	-0.3	No change	=====	=====	=====	=====	=====	=====
	Public only	2011	31.2	2019	32.0	-0.5	No change	=====	Any private	24.1	32.0	-10.4	Better
	Uninsured	2011	26.8	2019	30.1	-0.5	No change	=====			30.1	-7.9	Same
Metropolitan status	Large fringe metro	2011	24.7	2019	23.9	-0.2	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2011	25.0	2019	25.7	-0.3	No change	=====	Large fringe metro	23.9	25.7	-2.4	Same
	Large central metro	2011	27.0	2019	27.8	-0.2	No change	=====			27.8	-5.1	Same
	Medium metro	2011	23.5	2019	25.0	-0.3	No change	=====			25.0	-1.4	Same
	Small metro	2011	24.0	2019	25.6	-0.4	No change	=====			25.6	-2.2	Same
	Nonmetropolitan	2011	21.4	2019	25.4	-0.3	No change	=====			25.4	-2.0	Same
	Micropolitan	2011	21.5	2019	24.0	-0.3	No change	=====			24.0	-0.1	Same
	Noncore	2011	21.2	2019	27.4	-0.1	No change	=====			27.4	-4.6	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2011	23.0	2019	25.8	-0.6	No change	=====	=====	=====	=====	=====	=====
	45-64	2011	25.3	2019	25.6	-0.2	No change	=====	18-44	25.8	25.6	0.3	Same
	65 and over	2011	25.3	2019	25.5	0.1	No change	=====			25.5	0.4	Same
Disability status	Without disability	2013	28.5	2019	25.7	0.8	No change	=====	=====	=====	=====	=====	=====
	With disability	2013	26.1	2019	25.4	0.5	No change	=====	Without disability	25.7	25.4	0.4	Same
Gender	Male	2011	26.1	2019	25.3	0.0	No change	=====	=====	=====	=====	=====	=====
	Female	2011	23.2	2019	25.9	-0.5	No change	=====	Male	25.3	25.9	-0.8	Same
Education	Some college	2011	21.4	2019	23.4	-0.4	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2011	33.9	2019	32.8	0.0	No change	=====	Some college	23.4	32.8	-12.3	Better
	High school graduate	2011	27.1	2019	28.6	-0.1	No change	=====			28.6	-6.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.12. Measure: Adults who had a doctor's office or clinic visit in the last 12 months whose health providers always offered help in filling out forms

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening Disparities: ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2011	14.8	2019	13.9	0.1	No change	=====	=====	=====	=====	=====	=====
Race	White	2011	14.1	2019	13.0	0.1	No change	=====	=====	=====	=====	=====	=====
	Asian	2011	19.3	2019	17.9	0.0	No change	=====	White	13.0	17.9	-5.6	Same
	Black	2011	18.1	2019	19.0	-0.1	No change	=====			19.0	-6.9	Same
	Multiple races	2011	12.2	2019	13.6	0.9	No change	=====			13.6	-0.7	Same
Ethnicity	Non-Hispanic, White	2011	13.7	2019	12.5	0.0	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2011	17.3	2019	17.7	0.1	No change	=====	Non-Hispanic, White	12.5	17.7	-5.9	Same
	Non-Hispanic, all races	2011	14.5	2019	13.4	0.1	No change	=====			13.4	-1.0	Same
	Non-Hispanic, Asian	2011	19.3	2019	18.2	0.0	No change	=====			18.2	-6.5	Same
	Non-Hispanic, Black	2011	18.1	2019	18.6	0.0	No change	=====			18.6	-7.0	Same
	Non-Hispanic, others	2011	19.4	2019	11.2	1.6	Worsening	=====			11.2	1.5	Same
Income	400% of PG or more	2011	14.1	2019	12.6	0.2	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2011	16.3	2019	20.1	-0.4	No change	=====	400% of PG or more	12.6	20.1	-8.6	Same
	100-199% of PG	2011	17.2	2019	16.1	0.1	No change	=====			16.1	-4.0	Same
	200-399% of PG	2011	14.0	2019	13.3	-0.1	No change	=====			13.3	-0.8	Same
Health insurance	Any private	2011	13.4	2019	12.6	-0.1	No change	=====	=====	=====	=====	=====	=====
	Public only	2011	16.7	2019	18.8	-0.4	No change	=====	Any private	12.6	18.8	-7.1	Same
	Uninsured	2011	15.4	2019	19.5	-0.3	No change	=====			19.5	-7.9	Same
Metropolitan status	Large fringe metro	2011	13.5	2019	13.2	-0.2	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2011	14.3	2019	13.5	0.0	No change	=====	Large fringe metro	13.2	13.5	-0.3	Same
	Large central metro	2011	14.9	2019	13.9	0.2	No change	=====			13.9	-0.8	Same
	Medium metro	2011	15.0	2019	12.8	0.1	No change	=====			12.8	0.5	Same
	Small metro	2011	13.4	2019	13.9	0.1	No change	=====			13.9	-0.8	Same
	Nonmetropolitan	2011	17.3	2019	16.3	0.2	No change	=====			16.3	-3.6	Same
	Micropolitan	2011	16.2	2019	15.0	0.1	No change	=====			15.0	-2.1	Same
	Noncore	2011	20.0	2019	18.3	0.7	No change	=====			18.3	-5.9	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2011	14.2	2019	14.9	-0.3	No change	=====	=====	=====	=====	=====	=====
	45-64	2011	13.7	2019	12.7	0.1	No change	=====	18-44	14.9	12.7	2.6	Same
	65 and over	2011	18.2	2019	13.8	0.8	No change	=====			13.8	1.3	Same
Disability status	Without disability	2013	15.4	2019	13.6	0.4	No change	=====	=====	=====	=====	=====	=====
	With disability	2013	17.4	2019	15.0	0.6	No change	=====	Without disability	13.6	15.0	-1.6	Same
Gender	Male	2011	16.3	2019	14.0	0.1	No change	=====	=====	=====	=====	=====	=====
	Female	2011	13.7	2019	13.8	0.0	No change	=====	Male	14.0	13.8	0.2	Same
Education	Some college	2011	13.7	2019	12.7	0.1	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2011	19.2	2019	18.4	0.1	No change	=====	Some college	12.7	18.4	-6.5	Same
	High school graduate	2011	15.5	2019	15.3	-0.1	No change	=====			15.3	-3.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Person-Centered Care
Section: Hospital Communication

Appendix Table 5.13. Measure: Adult hospital patients who sometimes or never had good communication about medications they received in the hospital
 Source: Hospital Consumer Assessment of Healthcare Providers and Systems
 Benchmark was 7.8 in 2015.
 Disparity Year: 2020
 Note: Lower estimates are better for this measure. The unit of measurement is percentage.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2009	12.7	2020	12.6	-0.7	No change	No progress	=====	=====	=====	=====	=====
Race	White	2009	13.0	2020	12.9	-0.8	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2009	12.7	2020	10.8	-0.9	No change	No progress	White	12.9	10.8	-16.3	Better
	Asian	2009	12.8	2020	12.0	-1.3	Improving	No progress			12.0	-7.0	Same
	NHPI	2009	10.9	2020	10.5	-1.2	No change	No progress			10.5	-18.6	Better
	Black	2009	11.8	2020	11.2	-0.9	No change	No progress			11.2	-13.2	Better
	Multiple races	2009	11.7	2020	12.4	-0.2	No change	No progress			12.4	-3.9	Same
Ethnicity	Non-Hispanic, all races	2009	13.1	2020	13.0	-0.8	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2009	10.2	2020	10.0	-1.3	No change	No progress	Non-Hispanic, all races	13.0	10.0	-23.1	Better
Age	18-44	2009	11.3	2020	9.3	-2.3	Improving	7 years	=====	=====	=====	=====	=====
	45-64	2009	14.2	2020	12.9	-1.6	Improving	No progress	18-44	9.3	12.9	38.7	Worse
	65 and over	2009	12.5	2020	13.4	0.0	No change	No progress			13.4	44.1	Worse
Education	Some college	2009	14.6	2020	13.7	-1.2	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2009	9.8	2020	9.7	-0.6	No change	No progress	Some college	13.7	9.7	-29.2	Better
	High school graduate	2009	11.5	2020	11.4	-0.7	No change	No progress			11.4	-16.8	Better

----- : Data were not available for the analysis.
 ===== : Not applicable.
 More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Person-Centered Care
Section: Home Health Communication

Appendix Table 5.14. Measure: Adults who reported being told what care and services they would get when they first started getting home health care
 Source: Home Health Consumer Assessment of Healthcare Providers and Systems
 Benchmark was 91.3 in 2015.
 Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	88.2	2020	88.6	-0.9	No change	More than 20 years	=====	=====	=====	=====	=====
Race	White	2012	88.7	2020	88.9	-0.7	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2012	85.9	2020	85.7	-1.0	No change	No progress	White	88.9	85.7	28.8	Worse
	Asian	2012	85.3	2020	85.2	-0.4	No change	No progress			85.2	33.3	Worse
	NHPI	2012	87.4	2020	88.3	-1.0	No change	No progress			88.3	5.4	Same
	Black	2012	88.8	2020	89.2	-1.1	Improving	18 years			89.2	-2.7	Same
	Multiple races	2012	85.8	2020	85.6	0.2	No change	No progress			85.6	29.7	Worse
Ethnicity	Non-Hispanic, all races	2012	88.6	2020	88.8	-0.7	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2012	87.9	2020	88.4	-0.7	No change	No progress	Non-Hispanic, all races	88.8	88.4	3.6	Same
Age	18-44	2012	89.2	2020	89.1	-0.1	No change	No progress	=====	=====	=====	=====	=====
	45-64	2012	89.1	2020	89.2	-0.3	No change	No progress	18-44	89.1	89.2	-0.9	Same
	65 and over	2012	88.1	2020	88.5	-1.0	No change	More than 20 years			88.5	5.5	Same
Education	Some college	2012	87.9	2020	88.3	-0.9	No change	More than 20 years	=====	=====	=====	=====	=====
	Less than high school graduate	2012	88.4	2020	88.8	-1.0	No change	More than 20 years	Some college	88.3	88.8	-4.3	Same
	High school graduate	2012	89.2	2020	89.5	-0.9	No change	20 years			89.5	-10.3	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.15. Measure: Adults who reported that home health care providers talked about pain in the last 2 months of care

Source: Home Health Consumer Assessment of Healthcare Providers and Systems

Benchmark was 91.3 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	87.5	2020	89.8	-2.9	Improving	4 years	=====	=====	=====	=====	=====
Race	White	2012	87.9	2020	90.3	-3.1	Improving	3 years	=====	=====	=====	=====	=====
	AI/AN	2012	88.6	2020	88.3	-1.1	No change	No progress	White	90.3	88.3	20.6	Worse
	Asian	2012	85.5	2020	87.5	-2.1	Improving	13 years			87.5	28.9	Worse
	NHPI	2012	86.4	2020	88.8	-2.2	Improving	9 years			88.8	15.5	Same
	Black	2012	87.6	2020	89.5	-2.1	Improving	7 years			89.5	8.2	Same
	Multiple races	2012	87.4	2020	86.3	2.4	Worsening	No progress			86.3	41.2	Worse
Ethnicity	Non-Hispanic, all races	2012	88.0	2020	90.4	-3.1	Improving	3 years	=====	=====	=====	=====	=====
	Hispanic, all races	2012	85.0	2020	85.7	-0.9	No change	More than 20 years	Non-Hispanic, all races	90.4	85.7	49.0	Worse
Age	18-44	2012	83.7	2020	82.8	0.7	No change	No progress	=====	=====	=====	=====	=====
	45-64	2012	90.0	2020	90.5	-0.7	No change	No progress	18-44	82.8	90.5	-44.8	Better
	65 and over	2012	87.2	2020	89.8	-3.2	Improving	4 years			89.8	-40.7	Better
Education	Some college	2012	87.4	2020	90.0	-3.1	Improving	4 years	=====	=====	=====	=====	=====
	Less than high school graduate	2012	87.8	2020	89.3	-2.1	Improving	8 years	Some college	90.0	89.3	7.0	Same
	High school graduate	2012	88.2	2020	90.5	-3.0	Improving	2 years			90.5	-5.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.16. Measure: Adults who reported that home health care providers always kept them informed about when they would arrive at their home in the last 2 months of care

Source: Home Health Consumer Assessment of Healthcare Providers and Systems

Benchmark was 83.3 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	78.8	2020	80.5	-0.8	No change	16 years	=====	=====	=====	=====	=====
Race	White	2012	79.4	2020	80.9	-0.7	No change	17 years	=====	=====	=====	=====	=====
	AI/AN	2012	75.8	2020	78.5	-1.5	Improving	13 years	White	80.9	78.5	12.6	Worse
	Asian	2012	69.8	2020	75.0	-1.9	Improving	16 years			75.0	30.9	Worse
	NHPI	2012	77.4	2020	81.1	-0.9	No change	No progress			81.1	-1.0	Same
	Black	2012	80.8	2020	81.7	-0.6	No change	14 years			81.7	-4.2	Same
	Multiple races	2012	77.2	2020	76.3	0.9	No change	No progress			76.3	24.1	Worse
Ethnicity	Non-Hispanic, all races	2012	79.4	2020	80.9	-0.7	No change	16 years	=====	=====	=====	=====	=====
	Hispanic, all races	2012	76.9	2020	78.6	-0.6	No change	More than 20 years	Non-Hispanic, all races	80.9	78.6	12.0	Worse
Age	18-44	2012	76.8	2020	77.8	-0.4	No change	No progress	=====	=====	=====	=====	=====
	45-64	2012	79.2	2020	80.3	-0.6	No change	More than 20 years	18-44	77.8	80.3	-11.3	Better
	65 and over	2012	78.8	2020	80.5	-0.9	No change	16 years			80.5	-12.2	Better
Education	Some college	2012	78.1	2020	80.0	-0.9	No change	17 years	=====	=====	=====	=====	=====
	Less than high school graduate	2012	79.5	2020	81.1	-0.8	No change	14 years	Some college	80.0	81.1	-5.5	Same
	High school graduate	2012	80.2	2020	81.9	-0.9	No change	8 years			81.9	-9.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.17. Measure: Adults who reported that home health care providers always treated them as gently as possible in the last 2 months of care

Source: Home Health Consumer Assessment of Healthcare Providers and Systems

Benchmark was 92.5 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	90.0	2020	90.6	-0.6	No change	More than 20 years	=====	=====	=====	=====	=====
Race	White	2012	90.9	2020	91.3	-0.4	No change	More than 20 years	=====	=====	=====	=====	=====
	AI/AN	2012	87.3	2020	87.8	-1.2	No change	No progress	White	91.3	87.8	40.2	Worse
	Asian	2012	78.4	2020	82.2	-2.1	Improving	More than 20 years			82.2	104.6	Worse
	NHPI	2012	85.9	2020	87.6	-0.8	No change	No progress			87.6	42.5	Worse
	Black	2012	89.7	2020	89.8	0.2	No change	No progress			89.8	17.2	Worse
	Multiple races	2012	88.6	2020	85.4	3.7	Worsening	No progress			85.4	67.8	Worse
Ethnicity	Non-Hispanic, all races	2012	90.6	2020	91.1	-0.5	No change	More than 20 years	=====	=====	=====	=====	=====
	Hispanic, all races	2012	88.2	2020	88.1	0.3	No change	No progress	Non-Hispanic, all races	91.1	88.1	33.7	Worse
Age	18-44	2012	87.1	2020	87.4	-0.3	No change	No progress	=====	=====	=====	=====	=====
	45-64	2012	88.6	2020	89.1	-0.4	No change	No progress	18-44	87.4	89.1	-13.5	Better
	65 and over	2012	90.3	2020	90.8	-0.5	No change	More than 20 years			90.8	-27.0	Better
Education	Some college	2012	89.5	2020	90.4	-0.9	No change	More than 20 years	=====	=====	=====	=====	=====
	Less than high school graduate	2012	90.8	2020	90.9	0.2	No change	No progress	Some college	90.4	90.9	-5.2	Same
	High school graduate	2012	91.3	2020	91.8	-0.5	No change	14 years			91.8	-14.6	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.18. Measure: Adults who reported that home health care providers always explained things in a way that was easy to understand in the last 2 months of care

Source: Home Health Consumer Assessment of Healthcare Providers and Systems

Benchmark was 86.8 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	82.3	2020	84.1	-1.3	Improving	12 years	=====	=====	=====	=====	=====
Race	White	2012	83.0	2020	84.7	-1.3	Improving	10 years	=====	=====	=====	=====	=====
	AI/AN	2012	79.8	2020	81.7	-1.7	Improving	15 years	White	84.7	81.7	19.6	Worse
	Asian	2012	71.1	2020	75.7	-1.9	Improving	More than 20 years			75.7	58.8	Worse
	NHPI	2012	79.0	2020	81.5	-0.9	No change	No progress			81.5	20.9	Worse
	Black	2012	83.9	2020	84.9	-0.7	No change	17 years			84.9	-1.3	Same
	Multiple races	2012	82.0	2020	80.5	1.2	Worsening	No progress			80.5	27.5	Worse
Ethnicity	Non-Hispanic, all races	2012	82.9	2020	84.6	-1.3	Improving	10 years	=====	=====	=====	=====	=====
	Hispanic, all races	2012	81.4	2020	82.2	-0.5	No change	More than 20 years	Non-Hispanic, all races	84.6	82.2	15.6	Worse
Age	18-44	2012	82.5	2020	83.1	-0.4	No change	No progress	=====	=====	=====	=====	=====
	45-64	2012	83.9	2020	85.0	-0.8	No change	14 years	18-44	83.1	85.0	-11.2	Better
	65 and over	2012	82.1	2020	84.0	-1.4	Improving	11 years			84.0	-5.3	Same
Education	Some college	2012	82.6	2020	84.6	-1.6	Improving	8 years	=====	=====	=====	=====	=====
	Less than high school graduate	2012	82.4	2020	83.3	-0.6	No change	More than 20 years	Some college	84.6	83.3	8.4	Same
	High school graduate	2012	83.3	2020	84.8	-1.1	Improving	12 years			84.8	-1.3	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.19. Measure: Adults who reported that home health care providers always listened carefully to them in the last 2 months of care

Source: Home Health Consumer Assessment of Healthcare Providers and Systems

Benchmark was 88.0 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	83.9	2020	85.1	-0.9	No change	More than 20 years	=====	=====	=====	=====	=====
Race	White	2012	84.4	2020	85.6	-0.9	No change	18 years	=====	=====	=====	=====	=====
	AI/AN	2012	81.8	2020	82.0	-0.9	No change	No progress	White	85.6	82.0	25.0	Worse
	Asian	2012	74.0	2020	78.5	-2.1	Improving	19 years			78.5	49.3	Worse
	NHPI	2012	81.0	2020	83.5	-0.6	No change	No progress			83.5	14.6	Same
	Black	2012	85.8	2020	86.0	-0.1	No change	No progress			86.0	-2.8	Same
	Multiple races	2012	82.7	2020	81.0	1.6	Worsening	No progress			81.0	31.9	Worse
Ethnicity	Non-Hispanic, all races	2012	84.2	2020	85.4	-0.8	No change	20 years	=====	=====	=====	=====	=====
	Hispanic, all races	2012	85.8	2020	85.7	0.3	No change	No progress	Non-Hispanic, all races	85.4	85.7	-2.1	Same
Age	18-44	2012	82.4	2020	82.9	-0.3	No change	No progress	=====	=====	=====	=====	=====
	45-64	2012	84.0	2020	84.9	-0.6	No change	More than 20 years	18-44	82.9	84.9	-11.7	Better
	65 and over	2012	83.9	2020	85.1	-0.9	No change	More than 20 years			85.1	-12.9	Better
Education	Some college	2012	82.5	2020	84.4	-1.3	Improving	16 years	=====	=====	=====	=====	=====
	Less than high school graduate	2012	85.9	2020	86.4	-0.3	No change	No progress	Some college	84.4	86.4	-12.8	Better
	High school graduate	2012	85.2	2020	86.5	-0.9	No change	11 years			86.5	-13.5	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.20. Measure: Adults who reported that home health care providers always treated them with courtesy and respect in the last 2 months of care

Source: Home Health Consumer Assessment of Healthcare Providers and Systems

Benchmark was 95.0 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	93.2	2020	94.0	-1.5	Improving	10 years	=====	=====	=====	=====	=====
Race	White	2012	94.0	2020	94.7	-1.2	Improving	4 years	=====	=====	=====	=====	=====
	AI/AN	2012	90.5	2020	91.1	-2.0	No change	No progress	White	94.7	91.1	67.9	Worse
	Asian	2012	83.4	2020	87.0	-2.7	Improving	19 years			87.0	145.3	Worse
	NHPI	2012	88.9	2020	91.0	-1.6	No change	No progress			91.0	69.8	Worse
	Black	2012	93.0	2020	93.4	-0.3	No change	No progress			93.4	24.5	Worse
	Multiple races	2012	91.9	2020	89.7	3.6	Worsening	No progress			89.7	94.3	Worse
Ethnicity	Non-Hispanic, all races	2012	93.7	2020	94.5	-1.4	Improving	6 years	=====	=====	=====	=====	=====
	Hispanic, all races	2012	92.5	2020	92.6	0.0	No change	No progress	Non-Hispanic, all races	94.5	92.6	34.5	Worse
Age	18-44	2012	89.0	2020	90.3	-0.9	No change	No progress	=====	=====	=====	=====	=====
	45-64	2012	91.3	2020	92.0	-0.9	No change	More than 20 years	18-44	90.3	92.0	-17.5	Better
	65 and over	2012	93.5	2020	94.3	-1.5	Improving	8 years			94.3	-41.2	Better
Education	Some college	2012	93.1	2020	94.2	-1.8	Improving	7 years	=====	=====	=====	=====	=====
	Less than high school graduate	2012	93.7	2020	93.9	0.0	No change	No progress	Some college	94.2	93.9	5.2	Same
	High school graduate	2012	94.2	2020	94.9	-1.3	Improving	1 year			94.9	-12.1	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.21. Measure: Adults who reported getting the help or advice they needed when they contacted their home health care providers in the last 2 months of care

Source: Home Health Consumer Assessment of Healthcare Providers and Systems

Benchmark was 30.4 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	28.2	2020	24.5	0.7	No change	No progress	=====	=====	=====	=====	=====
Race	White	2012	28.3	2020	24.5	0.7	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2012	34.7	2020	28.8	1.1	Worsening	No progress	White	24.5	28.8	-5.7	Same
	Asian	2012	29.8	2020	28.6	0.2	No change	No progress			28.6	-5.4	Same
	NHPI	2012	31.2	2020	27.9	0.9	No change	No progress			27.9	-4.5	Same
	Black	2012	28.4	2020	25.1	0.6	No change	No progress			25.1	-0.8	Same
	Multiple races	2012	33.7	2020	29.9	0.8	No change	No progress			29.9	-7.2	Same
Ethnicity	Non-Hispanic, all races	2012	28.3	2020	24.5	0.7	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2012	31.8	2020	28.9	0.6	No change	No progress	Non-Hispanic, all races	24.5	28.9	-5.8	Same
Age	18-44	2012	39.0	2020	32.9	1.3	Worsening	Reached, getting worse	=====	=====	=====	=====	=====
	45-64	2012	36.9	2020	30.0	1.3	Worsening	No progress	18-44	32.9	30.0	4.3	Same
	65 and over	2012	26.8	2020	23.8	0.6	No change	No progress			23.8	13.6	Worse
Education	Some college	2012	29.2	2020	25.3	0.7	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2012	28.9	2020	25.6	0.6	No change	No progress	Some college	25.3	25.6	-0.4	Same
	High school graduate	2012	27.2	2020	23.5	0.7	No change	No progress			23.5	2.4	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.22. Measure: Adults who did not have any problem with the care they received from their home health care providers in the last 2 months of care

Source: Home Health Consumer Assessment of Healthcare Providers and Systems

Benchmark was 94.0 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	92.6	2020	92.7	-0.4	No change	No progress	=====	=====	=====	=====	=====
Race	White	2012	93.7	2020	93.8	-0.3	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2012	90.5	2020	91.3	-1.3	Improving	More than 20 years	White	93.8	91.3	40.3	Worse
	Asian	2012	90.9	2020	91.5	-1.0	Improving	More than 20 years			91.5	37.1	Worse
	NHPI	2012	89.0	2020	91.6	-2.4	Improving	No progress			91.6	35.5	Worse
	Black	2012	91.7	2020	91.8	0.0	No change	No progress			91.8	32.3	Worse
	Multiple races	2012	91.1	2020	88.4	4.6	Worsening	No progress			88.4	87.1	Worse
Ethnicity	Non-Hispanic, all races	2012	93.5	2020	93.7	-0.5	No change	11 years	=====	=====	=====	=====	=====
	Hispanic, all races	2012	92.2	2020	91.8	0.8	No change	No progress	Non-Hispanic, all races	93.7	91.8	30.2	Worse
Age	18-44	2012	87.6	2020	87.8	-0.2	No change	No progress	=====	=====	=====	=====	=====
	45-64	2012	89.6	2020	89.7	-0.1	No change	No progress	18-44	87.8	89.7	-15.6	Better
	65 and over	2012	93.1	2020	93.1	-0.2	No change	No progress			93.1	-43.4	Better
Education	Some college	2012	92.6	2020	93.0	-0.7	No change	20 years	=====	=====	=====	=====	=====
	Less than high school graduate	2012	93.5	2020	93.3	0.4	No change	No progress	Some college	93.0	93.3	-4.3	Same
	High school graduate	2012	94.1	2020	94.3	-0.6	No change	Reached			94.3	-18.6	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Person-Centered Care
Section: Hospice Care

Appendix Table 5.23. Measure: Hospice patients whose hospice care team always communicated well with their family caregivers about taking care of them
Source: Hospice Consumer Assessment of Healthcare Providers and Systems
Benchmark was 83.3 in 2015.
Disparity Year: 2020
Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.
Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2015	79.4	2020	80.7	-1.3	Improving	10 years	=====	=====	=====	=====	=====
Race	White	2015	79.5	2020	80.8	-1.3	Improving	10 years	=====	=====	=====	=====	=====
	AI/AN	2015	79.9	2020	78.9	0.4	No change	No progress	White	80.8	78.9	9.9	Same
	Asian	2015	75.1	2020	76.5	-1.4	Improving	No progress			76.5	22.4	Worse
	NHPI	2016	82.7	2019	83.2	-1.6	No change	No progress			-----	-----	-----
	Black	2015	81.9	2020	83.1	-1.3	Improving	1 year			83.1	-12.0	Better
	Multiple races	2015	79.2	2020	81.5	-1.8	Improving	No progress			81.5	-3.6	Same
Ethnicity	Non-Hispanic, White	2015	79.5	2020	80.9	-1.3	Improving	9 years	=====	=====	=====	=====	=====
	Hispanic, all races	2015	80.4	2020	80.7	-0.9	No change	No progress	Non-Hispanic, White	80.9	80.7	1.0	Same
	Non-Hispanic, all races	2015	79.5	2020	80.9	-1.3	Improving	9 years			80.9	0.0	Same
	Non-Hispanic, Black	2015	82.2	2020	83.6	-1.5	Improving	Reached			83.6	-14.1	Better
Age	18-64	2015	80.4	2020	81.4	-1.2	Improving	8 years	=====	=====	=====	=====	=====
	65-74	2015	80.0	2020	81.2	-1.1	Improving	10 years	18-64	81.4	81.2	1.1	Same
	75-84	2015	80.0	2020	81.0	-1.0	No change	12 years			81.0	2.2	Same
	85 and over	2015	78.8	2020	80.4	-1.5	Improving	9 years			80.4	5.4	Same
Gender	Male	2015	79.2	2020	80.4	-1.1	Improving	12 years	=====	=====	=====	=====	=====
	Female	2015	79.7	2020	81.1	-1.4	Improving	8 years	Male	80.4	81.1	-3.6	Same
Education	Some college	2015	78.6	2020	79.9	-1.1	Improving	14 years	=====	=====	=====	=====	=====
	Less than high school graduate	2015	80.8	2020	82.6	-2.1	Improving	2 years	Some college	79.9	82.6	-13.4	Better
	High school graduate	2015	80.0	2020	81.3	-1.4	Improving	7 years			81.3	-7.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.24. Measure: Hospice patients and family caregivers who always got help as soon as they needed from the hospice care team

Source: Hospice Consumer Assessment of Healthcare Providers and Systems

Benchmark was 82.3 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2015	77.4	2020	77.1	0.2	No change	No progress	=====	=====	=====	=====	=====
Race	White	2015	77.7	2020	77.5	0.1	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2015	76.2	2020	74.9	0.6	No change	No progress	White	77.5	74.9	11.6	Same
	Asian	2015	67.7	2020	68.1	-0.3	No change	No progress			68.1	41.8	Worse
	NHPI	2016	80.4	2019	77.0	-----	-----	No Benchmark			-----	-----	-----
	Black	2015	78.5	2020	78.5	0.0	No change	No progress			78.5	-4.4	Same
	Multiple races	2015	76.6	2020	76.1	0.1	No change	No progress			76.1	6.2	Same
	Ethnicity	Non-Hispanic, White	2015	77.7	2020	77.7	-0.1	No change	No progress	=====	=====	=====	=====
Hispanic, all races		2015	76.7	2020	74.4	1.1	No change	No progress	Non-Hispanic, White	77.7	74.4	14.8	Worse
Non-Hispanic, all races		2015	77.6	2020	77.5	0.0	No change	No progress			77.5	0.9	Same
Non-Hispanic, Black		2015	78.6	2020	78.7	0.0	No change	No progress			78.7	-4.5	Same
Age	18-64	2015	77.8	2020	78.3	-0.4	No change	No progress	=====	=====	=====	=====	=====
	65-74	2015	78.1	2020	77.6	0.4	No change	No progress	18-64	78.3	77.6	3.2	Same
	75-84	2015	77.8	2020	77.7	0.0	No change	No progress			77.7	2.8	Same
	85 and over	2015	77.0	2020	76.6	0.2	No change	No progress			76.6	7.8	Same
Gender	Male	2015	77.0	2020	76.8	0.1	No change	No progress	=====	=====	=====	=====	=====
	Female	2015	77.9	2020	77.6	0.1	No change	No progress	Male	76.8	77.6	-3.4	Same
Education	Some college	2015	76.3	2020	76.1	0.2	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2015	78.8	2020	79.0	-0.4	No change	No progress	Some college	76.1	79.0	-12.1	Better
	High school graduate	2015	78.4	2020	78.2	0.0	No change	No progress			78.2	-8.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.25. Measure: Hospice patients whose hospice care team always treated them with dignity and respect and really cared about them

Source: Hospice Consumer Assessment of Healthcare Providers and Systems

Benchmark was 92.1 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2015	89.5	2020	89.7	-0.5	No change	No progress	=====	=====	=====	=====	=====
Race	White	2015	89.8	2020	90.0	-0.6	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2015	89.5	2020	87.6	5.9	No change	No progress	White	90.0	87.6	24.0	Worse
	Asian	2015	84.0	2020	85.8	-2.1	Improving	No progress			85.8	42.0	Worse
	NHPI	2016	91.9	2019	90.7	3.1	No change	No progress			-----	-----	-----
	Black	2015	89.8	2020	89.5	0.2	No change	No progress			89.5	5.0	Same
	Multiple races	2015	88.6	2020	89.5	-0.2	No change	No progress			89.5	5.0	Same
	Ethnicity	Non-Hispanic, White	2015	89.8	2020	90.1	-0.6	No change	More than 20 years	=====	=====	=====	=====
Hispanic, all races		2015	88.7	2020	88.7	-0.9	No change	No progress	Non-Hispanic, White	90.1	88.7	14.1	Worse
Non-Hispanic, all races		2015	89.7	2020	89.9	-0.5	No change	No progress			89.9	2.0	Same
Non-Hispanic, Black		2015	89.6	2020	89.6	-0.1	No change	No progress			89.6	5.1	Same
Age	18-64	2015	89.2	2020	89.3	-0.3	No change	No progress	=====	=====	=====	=====	=====
	65-74	2015	89.4	2020	89.5	0.0	No change	No progress	18-64	89.3	89.5	-1.9	Same
	75-84	2015	89.8	2020	89.9	-0.2	No change	No progress			89.9	-5.6	Same
	85 and over	2015	89.6	2020	89.8	-0.6	No change	More than 20 years			89.8	-4.7	Same
Gender	Male	2015	89.4	2020	89.4	0.0	No change	No progress	=====	=====	=====	=====	=====
	Female	2015	89.8	2020	90.0	-0.5	No change	No progress	Male	89.4	90.0	-5.7	Same
Education	Some college	2015	89.1	2020	89.2	-0.2	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2015	90.2	2020	90.4	-0.6	No change	More than 20 years	Some college	89.2	90.4	-11.1	Better
	High school graduate	2015	90.0	2020	90.3	-0.8	No change	No progress			90.3	-10.2	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.26. Measure: Hospice patients who always received enough help for pain, sadness, breathing, or constipation from the hospice care team

Source: Hospice Consumer Assessment of Healthcare Providers and Systems

Benchmark was 79.0 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2015	74.7	2020	75.0	-0.3	No change	No progress	=====	=====	=====	=====	=====
Race	White	2015	74.9	2020	75.3	-0.4	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2015	73.7	2020	74.2	-0.6	No change	No progress	White	75.3	74.2	4.5	Same
	Asian	2015	68.6	2020	67.8	0.3	No change	No progress			67.8	30.4	Worse
	NHPI	2018	74.8	2019	75.2	-----	-----	No Benchmark			-----	-----	-----
	Black	2015	75.1	2020	75.2	0.0	No change	No progress			75.2	0.4	Same
	Multiple races	2015	74.8	2020	75.0	-0.4	No change	No progress			75.0	1.2	Same
Ethnicity	Non-Hispanic, White	2015	75.0	2020	75.4	-0.3	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2015	74.7	2020	74.5	-0.4	No change	No progress	Non-Hispanic, White	75.4	74.5	3.7	Same
	Non-Hispanic, all races	2015	74.9	2020	75.2	-0.3	No change	No progress			75.2	0.8	Same
	Non-Hispanic, Black	2015	75.5	2020	75.6	0.1	No change	No progress			75.6	-0.8	Same
Age	18-64	2015	75.4	2020	75.5	-0.4	No change	No progress	=====	=====	=====	=====	=====
	65-74	2015	75.4	2020	75.7	-0.3	No change	No progress	18-64	75.5	75.7	-0.8	Same
	75-84	2015	75.0	2020	75.5	-0.4	No change	No progress			75.5	0.0	Same
	85 and over	2015	74.2	2020	74.4	-0.3	No change	No progress			74.4	4.5	Same
Gender	Male	2015	74.4	2020	74.5	-0.1	No change	No progress	=====	=====	=====	=====	=====
	Female	2015	75.1	2020	75.5	-0.4	No change	No progress	Male	74.5	75.5	-3.9	Same
Education	Some college	2015	73.8	2020	74.2	-0.2	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2015	75.6	2020	76.7	-1.1	Improving	9 years	Some college	74.2	76.7	-9.7	Same
	High school graduate	2015	75.6	2020	75.7	-0.2	No change	No progress			75.7	-5.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.27. Measure: Family members who definitely received training about taking care of their family member from the hospice care team

Source: Hospice Consumer Assessment of Healthcare Providers and Systems

Benchmark was 78.4 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2015	72.6	2020	73.5	-0.6	No change	More than 20 years	=====	=====	=====	=====	=====
Race	White	2015	72.7	2020	73.6	-0.6	No change	More than 20 years	=====	=====	=====	=====	=====
	AI/AN	2015	73.6	2020	74.8	-0.5	No change	No progress	White	73.6	74.8	-4.5	Same
	Asian	2015	72.6	2020	72.5	-0.1	No change	No progress			72.5	4.2	Same
	NHPI	2019	76.1	2019	76.1	-----	-----	No Benchmark			-----	-----	-----
	Black	2015	74.4	2020	75.2	-0.7	No change	17 years			75.2	-6.1	Same
	Multiple races	2015	71.5	2020	74.3	-1.5	No change	No progress			74.3	-2.7	Same
Ethnicity	Non-Hispanic, White	2015	72.6	2020	73.4	-0.6	No change	More than 20 years	=====	=====	=====	=====	=====
	Hispanic, all races	2015	75.9	2020	75.9	-0.3	No change	No progress	Non-Hispanic, White	73.4	75.9	-9.4	Same
	Non-Hispanic, all races	2015	72.7	2020	73.5	-0.6	No change	More than 20 years			73.5	-0.4	Same
	Non-Hispanic, Black	2015	75.0	2020	75.4	-0.6	No change	No progress			75.4	-7.5	Same
Age	18-64	2015	73.6	2020	74.4	-0.5	No change	No progress	=====	=====	=====	=====	=====
	65-74	2015	74.1	2020	74.5	-0.1	No change	No progress	18-64	74.4	74.5	-0.4	Same
	75-84	2015	73.8	2020	74.4	-0.5	No change	More than 20 years			74.4	0.0	Same
	85 and over	2015	71.1	2020	72.4	-1.0	No change	More than 20 years			72.4	7.8	Same
Gender	Male	2015	72.1	2020	72.8	-0.5	No change	No progress	=====	=====	=====	=====	=====
	Female	2015	73.3	2020	74.2	-0.7	No change	More than 20 years	Male	72.8	74.2	-5.1	Same
Education	Some college	2015	71.7	2020	72.6	-0.6	No change	More than 20 years	=====	=====	=====	=====	=====
	Less than high school graduate	2015	74.7	2020	76.3	-1.4	Improving	6 years	Some college	72.6	76.3	-13.5	Better
	High school graduate	2015	73.0	2020	73.9	-0.7	No change	More than 20 years			73.9	-4.7	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.28. Measure: Family caregivers who received the right amount of emotional and spiritual support from the hospice care team

Source: Hospice Consumer Assessment of Healthcare Providers and Systems

Benchmark was 90.9 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2015	88.8	2020	89.3	-1.6	No change	No progress	=====	=====	=====	=====	=====
Race	White	2015	89.3	2020	89.7	-1.4	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2015	85.5	2020	86.1	-0.6	No change	No progress	White	89.7	86.1	35.0	Worse
	Asian	2015	85.3	2020	88.1	-4.7	Improving	4 years			88.1	15.5	Worse
	NHPI	2016	85.9	2019	88.9	-----	-----	No Benchmark			-----	-----	-----
	Black	2015	86.5	2020	87.3	-1.8	Improving	15 years			87.3	23.3	Worse
	Multiple races	2015	86.8	2020	88.3	-2.7	Improving	8 years			88.3	13.6	Worse
Ethnicity	Non-Hispanic, White	2015	89.7	2020	90.0	-1.1	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2015	82.5	2020	85.2	-5.6	Improving	6 years	Non-Hispanic, White	90.0	85.2	48.0	Worse
	Non-Hispanic, all races	2015	89.4	2020	89.8	-1.3	No change	No progress			89.8	2.0	Same
	Non-Hispanic, Black	2015	87.0	2020	87.5	-1.4	Improving	No progress			87.5	25.0	Worse
Age	18-64	2015	88.3	2020	88.6	-1.1	No change	No progress	=====	=====	=====	=====	=====
	65-74	2015	88.4	2020	89.0	-1.6	No change	No progress	18-64	88.6	89.0	-3.5	Same
	75-84	2015	88.9	2020	89.2	-1.2	No change	No progress			89.2	-5.3	Same
	85 and over	2015	89.2	2020	89.8	-1.8	Improving	6 years			89.8	-10.5	Better
Gender	Male	2015	88.3	2020	88.9	-1.6	Improving	No progress	=====	=====	=====	=====	=====
	Female	2015	89.3	2020	89.8	-1.7	No change	No progress	Male	88.9	89.8	-8.1	Same
Education	Some college	2015	88.9	2020	89.4	-1.5	Improving	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2015	88.8	2020	89.3	-1.8	Improving	No progress	Some college	89.4	89.3	0.9	Same
	High school graduate	2015	89.3	2020	89.7	-1.3	No change	No progress			89.7	-2.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.29. Measure: Family caregivers who rated the hospice care for their family member best (9-10) on a scale of 0-10 (where 0 is the worst and 10 is the best)

Source: Hospice Consumer Assessment of Healthcare Providers and Systems

Benchmark was 83.9 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2015	79.9	2020	80.6	-1.0	No change	17 years	=====	=====	=====	=====	=====
Race	White	2015	80.3	2020	81.0	-1.0	Improving	15 years	=====	=====	=====	=====	=====
	AI/AN	2015	77.7	2020	77.3	0.5	No change	No progress	White	81.0	77.3	19.5	Worse
	Asian	2015	72.6	2020	74.6	-1.9	Improving	18 years			74.6	33.7	Worse
	NHPI	2016	80.1	2019	80.9	-----	-----	No Benchmark			-----	-----	-----
	Black	2015	79.4	2020	79.6	-0.3	No change	No progress			79.6	7.4	Same
	Multiple races	2015	80.2	2020	80.9	-0.5	No change	No progress			80.9	0.5	Same
Ethnicity	Non-Hispanic, White	2015	80.2	2020	81.0	-1.1	Improving	14 years	=====	=====	=====	=====	=====
	Hispanic, all races	2015	80.3	2020	79.4	0.0	No change	No progress	Non-Hispanic, White	81.0	79.4	8.4	Same
	Non-Hispanic, all races	2015	80.0	2020	80.8	-1.1	Improving	14 years			80.8	1.1	Same
	Non-Hispanic, Black	2015	79.3	2020	79.7	-0.5	No change	No progress			79.7	6.8	Same
Age	18-64	2015	80.3	2020	80.5	-0.7	No change	No progress	=====	=====	=====	=====	=====
	65-74	2015	80.2	2020	80.7	-0.8	No change	No progress	18-64	80.5	80.7	-1.0	Same
	75-84	2015	80.3	2020	80.9	-0.8	No change	No progress			80.9	-2.1	Same
	85 and over	2015	79.6	2020	80.4	-1.1	Improving	16 years			80.4	0.5	Same
Gender	Male	2015	79.7	2020	80.2	-0.8	No change	No progress	=====	=====	=====	=====	=====
	Female	2015	80.3	2020	80.9	-1.0	No change	No progress	Male	80.2	80.9	-3.5	Same
Education	Some college	2015	79.4	2020	80.0	-0.8	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2015	80.6	2020	81.6	-1.4	Improving	9 years	Some college	80.0	81.6	-8.0	Same
	High school graduate	2015	80.4	2020	81.1	-1.1	Improving	No progress			81.1	-5.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 5.30. Measure: Family caregivers who would definitely recommend this hospice to their friends and family

Source: Hospice Consumer Assessment of Healthcare Providers and Systems

Benchmark was 88.4 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2015	84.6	2020	84.5	0.0	No change	No progress	=====	=====	=====	=====	=====
Race	White	2015	85.0	2020	85.1	-0.2	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2015	84.7	2020	81.2	2.9	No change	No progress	White	85.1	81.2	26.2	Worse
	Asian	2015	78.9	2020	79.5	-1.3	No change	No progress			79.5	37.6	Worse
	NHPI	2016	86.4	2019	85.1	-----	-----	No Benchmark			-----	-----	-----
	Black	2015	81.7	2020	81.2	0.4	No change	No progress			81.2	26.2	Worse
	Multiple races	2015	84.4	2020	83.8	1.6	No change	No progress			83.8	8.7	Same
	Ethnicity	Non-Hispanic, White	2015	85.2	2020	85.3	-0.3	No change	No progress	=====	=====	=====	=====
Hispanic, all races		2015	83.4	2020	82.1	0.6	No change	No progress	Non-Hispanic, White	85.3	82.1	21.8	Worse
Non-Hispanic, all races		2015	84.8	2020	85.0	-0.3	No change	No progress			85.0	2.0	Same
Non-Hispanic, Black		2015	81.8	2020	81.8	-0.1	No change	No progress			81.8	23.8	Worse
Age	18-64	2015	84.5	2020	84.2	0.1	No change	No progress	=====	=====	=====	=====	=====
	65-74	2015	84.8	2020	84.4	0.3	No change	No progress	18-64	84.2	84.4	-1.3	Same
	75-84	2015	85.4	2020	85.0	0.4	No change	No progress			85.0	-5.1	Same
	85 and over	2015	84.1	2020	84.5	-0.5	No change	No progress			84.5	-1.9	Same
Gender	Male	2015	84.1	2020	83.9	0.1	No change	No progress	=====	=====	=====	=====	=====
	Female	2015	85.1	2020	85.2	-0.3	No change	No progress	Male	83.9	85.2	-8.1	Same
Education	Some college	2015	84.4	2020	84.4	0.1	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2015	84.9	2020	85.3	-0.7	No change	No progress	Some college	84.4	85.3	-5.8	Same
	High school graduate	2015	85.1	2020	85.0	-0.2	No change	No progress			85.0	-3.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Care Coordination

Care coordination is a conscious effort to ensure that all key information needed to make care decisions is available to patients and providers. It is defined as the deliberate organization of patient care activities between two or more participants involved in a patient's care to facilitate appropriate delivery of healthcare services.¹ Care coordination is multidimensional and essential to preventing adverse events, ensuring efficiency, and making care person centered.²

Patients in greatest need of care coordination include those with:

- Multiple chronic medical conditions,
- Concurrent care from several health professionals across care settings,
- Many medications,
- Extensive diagnostic workups, and
- Transitions from one care setting to another.

Effective care coordination requires well-defined multidisciplinary teamwork based on the principle that all who interact with a person must work together to ensure the delivery of safe, high-quality care in every setting.

Importance

Care coordination interventions have been shown to:

- Reduce mortality among patients with heart failure,
- Reduce mortality and dependency among patients with stroke,
- Reduce symptoms among patients with depression and at the end of life, and
- Improve glycemic control among patients with diabetes.¹

Care coordination interventions have also been shown to:

- Reduce hospitalizations among patients with heart failure,
- Reduce readmissions among patients with mental health conditions, and
- Be cost-effective when applied to treatment of depression.¹

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1. Peterson K, Anderson J, Bourne D, Boundy E. Scoping Brief: Care Coordination Theoretical Models and Frameworks. 2018 Jun. In: VA Evidence Synthesis Program Evidence Briefs. Washington, DC: Department of Veterans Affairs; 2011. <https://www.ncbi.nlm.nih.gov/books/NBK525002/>. Accessed September 21, 2022.
 2. Noël PH, Barnard JM, Leng M, Penney LS, Bharath PS, Olmos-Ochoa TT, Chawla N, Rose DE, Stockdale SE, Simon A, Lee ML, Finley EP, Rubenstein LV, Ganz DA. The Coordination Toolkit and Coaching Project: cluster-randomized quality improvement initiative to improve patient experience of care coordination. *J Gen Intern Med.* 2022;37(1):95-103. <https://doi.org/10.1007/s11606-021-06926-y>. Accessed September 21, 2022.



Key Findings

Care coordination measures that improved overall include:

- Hospital admissions for urinary tract infection per 100,000 population.
- Hospital admissions for asthma per 100,000 population, ages 2-17.
- Home health care patients who had to be admitted to the hospital.

Care coordination measures that worsened overall include:

- Hospital admissions with diabetes with short-term complications per 100,000 population, age 18 and over.
- Hospital admissions with diabetes with long-term complications per 100,000 population, age 18 and over.
- Lower extremity amputations among admissions for diabetes per 100,000 population, age 18 and over.
- Adult hospital patients who strongly disagree or disagree that staff took their preferences and those of their family and caregiver into account when deciding what the patients discharge healthcare would be.
- Home health care patients who had an emergency department visit without a hospitalization.

Care coordination measures that showed worsening disparities include:

- Emergency department visits for asthma per 10,000 population, age 2-19.
- Hospital admissions with hypertension per 100,000 population, age 18 and over.
- Hospital admissions for urinary tract infection per 100,000 population, ages 3 months to 17 years.
- Hospital admissions for asthma per 100,000 population, ages 2-17.
- Hospital admissions for uncontrolled diabetes without complications per 100,000 population, age 18 and over.

Chapter: Care Coordination
Section: Transitions of Care

Appendix Table 6.1. Measure: Adult hospital patients who did not receive good communication about discharge information
 Source: Hospital Consumer Assessment of Healthcare Providers and Systems
 Benchmark was 7.7 in 2015.
 Disparity Year: 2020
 Note: Lower estimates are better for this measure. The unit of measurement is percentage.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2009	15.8	2020	11.6	-3.2	Improving	9 years	=====	=====	=====	=====	=====
Race	White	2009	15.4	2020	11.3	-3.4	Improving	8 years	=====	=====	=====	=====	=====
	AI/AN	2009	17.4	2020	12.7	-3.3	Improving	11 years	White	11.3	12.7	12.4	Worse
	Asian	2009	17.0	2020	11.5	-3.5	Improving	8 years			11.5	1.8	Same
	NHPI	2009	17.2	2020	11.5	-3.6	Improving	8 years			11.5	1.8	Same
	Black	2009	18.2	2020	12.6	-3.5	Improving	10 years			12.6	11.5	Worse
	Multiple races	2009	16.7	2020	12.2	-2.9	Improving	12 years			12.2	8.0	Same
Ethnicity	Non-Hispanic, all races	2009	15.7	2020	11.2	-3.5	Improving	8 years	=====	=====	=====	=====	=====
	Hispanic, all races	2009	15.8	2020	11.2	-3.7	Improving	7 years	Non-Hispanic, all races	11.2	11.2	0.0	Same
Age	18-44	2009	15.2	2020	10.3	-3.5	Improving	6 years	=====	=====	=====	=====	=====
	45-64	2009	15.8	2020	10.4	-4.2	Improving	5 years	18-44	10.3	10.4	1.0	Same
	65 and over	2009	16.1	2020	12.5	-2.9	Improving	12 years			12.5	21.4	Worse
Education	Some college	2009	16.2	2020	11.4	-3.6	Improving	8 years	=====	=====	=====	=====	=====
	Less than high school graduate	2009	15.5	2020	11.9	-2.8	Improving	11 years	Some college	11.4	11.9	4.4	Same
	High school graduate	2009	15.3	2020	11.5	-3.1	Improving	10 years			11.5	0.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.2. Measure: Adult hospital patients who strongly disagree or disagree that staff took their preferences and those of their family and caregiver into account when deciding what the patients discharge health care would be

Source: Hospital Consumer Assessment of Healthcare Providers and Systems

Benchmark was 3.2 in 2015.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2014	5.4	2020	7.2	3.9	Worsening	No progress	=====	=====	=====	=====	=====
Race	White	2014	5.0	2020	6.9	4.3	Worsening	No progress	=====	=====	=====	=====	=====
	AI/AN	2014	7.4	2020	8.9	2.9	Worsening	No progress	White	6.9	8.9	29.5	Worse
	Asian	2014	4.9	2020	5.8	1.7	No change	No progress			5.8	-15.6	Better
	NHPI	2014	6.1	2020	8.4	3.4	No change	No progress			8.4	22.3	Worse
	Black	2014	7.5	2020	9.1	2.8	Worsening	No progress			9.1	32.1	Worse
	Multiple races	2014	7.1	2020	9.3	4.4	Worsening	No progress			9.3	36.2	Worse
Ethnicity	Non-Hispanic, all races	2014	5.4	2020	7.2	3.9	Worsening	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2014	5.1	2020	6.5	2.9	No change	No progress	Non-Hispanic, all races	7.2	6.5	-9.6	Same
Age	18-44	2014	5.3	2020	5.7	1.1	Worsening	No progress	=====	=====	=====	=====	=====
	45-64	2014	6.6	2020	8.4	3.4	Worsening	No progress	18-44	5.7	8.4	47.0	Worse
	65 and over	2014	4.8	2020	7.1	5.7	Worsening	No progress			7.1	23.9	Worse
Education	Some college	2014	5.8	2020	7.4	3.4	Worsening	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2014	4.8	2020	6.4	4.0	Worsening	No progress	Some college	7.4	6.4	-13.6	Better
	High school graduate	2014	4.8	2020	6.8	4.8	Worsening	No progress			6.8	-8.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Care Coordination
Section: Medication Information

Appendix Table 6.3. Measure: People with a usual source of care who usually asks about prescription medications and treatments from other doctors
Source: Medical Expenditure Panel Survey
Benchmark was not available.
Disparity Year: 2019
Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.
Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	75.1	2019	81.1	-1.3	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	75.3	2019	82.2	-1.5	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2002	71.0	2019	80.7	-0.7	No change	=====	White	82.2	80.7	8.4	Same
	Asian	2002	67.5	2019	74.7	-0.3	No change	=====			74.7	42.1	Worse
	NHPI	2004	79.3	2012	77.4	0.9	No change	=====			-----	-----	-----
	Black	2002	77.5	2019	77.9	-0.4	No change	=====			77.9	24.2	Worse
	Multiple races	2002	73.5	2019	78.9	-1.7	Improving	=====			78.9	18.5	Same
Ethnicity	Non-Hispanic, White	2002	74.6	2019	82.9	-1.9	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	79.3	2019	78.8	0.4	No change	=====	Non-Hispanic, White	82.9	78.8	24.0	Worse
	Non-Hispanic, all races	2002	74.6	2019	81.5	-1.5	Improving	=====			81.5	8.2	Same
	Non-Hispanic, Asian	2002	67.6	2019	74.6	-0.3	No change	=====			74.6	48.5	Worse
	Non-Hispanic, Black	2002	77.5	2019	78.2	-0.5	No change	=====			78.2	27.5	Worse
	Non-Hispanic, others	2002	71.5	2019	77.7	-1.3	Improving	=====			77.7	30.4	Worse
Income	400% of PG or more	2002	76.8	2019	84.1	-1.7	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	75.5	2019	75.7	-0.3	No change	=====	400% of PG or more	84.1	75.7	52.8	Worse
	100-199% of PG	2002	75.2	2019	76.5	-0.3	No change	=====			76.5	47.8	Worse
	200-399% of PG	2002	72.9	2019	81.2	-1.6	Improving	=====			81.2	18.2	Worse
Health insurance	Any private	2002	75.3	2019	83.7	-2.0	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	75.2	2019	76.7	-0.6	No change	=====	Any private	83.7	76.7	42.9	Worse
	Uninsured	2002	76.0	2019	75.4	-0.3	No change	=====			75.4	50.9	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2002	72.8	2019	81.9	-1.7	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	75.2	2019	81.0	-1.1	Improving	=====	Large fringe metro	81.9	81.0	5.0	Same
	Large central metro	2002	75.6	2019	80.3	-0.7	No change	=====			80.3	8.8	Same
	Medium metro	2002	76.3	2019	81.0	-1.2	Improving	=====			81.0	5.0	Same
	Small metro	2002	77.4	2019	80.9	-1.2	Improving	=====			80.9	5.5	Same
	Nonmetropolitan	2002	75.1	2019	81.2	-1.8	Improving	=====			81.2	3.9	Same
	Micropolitan	2002	76.3	2019	80.9	-1.5	Improving	=====			80.9	5.5	Same
	Noncore	2002	72.6	2019	81.6	-2.5	Improving	=====			81.6	1.7	Same
Age	18-44	2002	77.4	2019	83.2	-1.6	Improving	=====	=====	=====	=====	=====	=====
	0-17	2002	71.1	2019	81.2	-1.8	Improving	=====	18-44	83.2	81.2	11.9	Same
	45-64	2002	77.5	2019	80.9	-1.0	No change	=====			80.9	13.7	Worse
	65 and over	2002	74.1	2019	78.1	-0.4	No change	=====			78.1	30.4	Worse
Disability status	Without disability	2013	81.6	2019	81.4	0.4	No change	=====	=====	=====	=====	=====	=====
	With disability	2013	79.7	2019	79.4	0.1	No change	=====	Without disability	81.4	79.4	10.8	Worse
Gender	Male	2002	75.1	2019	81.2	-1.3	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	75.2	2019	80.9	-1.3	Improving	=====	Male	81.2	80.9	1.6	Same
Education	Some college	2002	78.1	2019	82.7	-1.1	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	75.0	2019	79.1	-0.4	No change	=====	Some college	82.7	79.1	20.8	Worse
	High school graduate	2002	76.0	2019	77.9	-0.7	No change	=====			77.9	27.7	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Care Coordination
Section: Preventable Emergency Department Visits

Appendix Table 6.4. Measure: Emergency department visits with a principal diagnosis related to mental health only, per 100,000 population
Source: Healthcare Cost and Utilization Project National Emergency Department Sample
Benchmark was not available.
Disparity Year: 2019
Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.
Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	1052.6	2019	1080.4	0.9	No change	=====	=====	=====	=====	=====	=====
Income	400% of PG or more	2016	768.7	2019	795.1	0.4	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	1328.7	2019	1340.6	1.2	No change	=====	400% of PG or more	795.1	1340.6	68.6	Worse
	100-199% of PG	2016	1123.4	2019	1133.1	0.3	No change	=====			1133.1	42.5	Worse
	200-399% of PG	2016	886.6	2019	935.4	1.1	No change	=====			935.4	17.6	Worse
Metropolitan status	Large fringe metro	2016	901.0	2019	915.2	0.8	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	1064.1	2019	971.6	-3.2	No change	=====	Large fringe metro	915.2	971.6	6.2	Same
	Medium metro	2016	1050.6	2019	1244.1	5.4	Worsening	=====			1244.1	35.9	Worse
	Small metro	2016	1140.2	2019	1077.2	-0.8	No change	=====			1077.2	17.7	Same
	Micropolitan	2016	1223.6	2019	1300.1	2.1	No change	=====			1300.1	42.1	Worse
	Noncore	2016	1076.6	2019	1191.1	3.1	No change	=====			1191.1	30.1	Worse
Age	18-44	2016	1407.9	2019	1452.1	0.9	No change	=====	=====	=====	=====	=====	=====
	0-17	2016	784.1	2019	869.3	4.0	No change	=====	18-44	1452.1	869.3	-40.1	Better
	45-64	2016	916.8	2019	900.0	-0.7	No change	=====			900.0	-38.0	Better
	65-84	2016	759.4	2019	762.1	0.1	No change	=====			762.1	-47.5	Better
	85 and over	2016	1483.3	2019	1408.7	-1.6	Improving	=====			1408.7	-3.0	Same
Gender	Male	2016	948.3	2019	999.6	1.8	No change	=====	=====	=====	=====	=====	=====
	Female	2016	1153.9	2019	1158.8	0.2	No change	=====	Male	999.6	1158.8	15.9	Worse

----- : Data were not available for the analysis.
===== : Not applicable.
More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.5. Measure: Emergency department visits with a principal diagnosis related to substance use disorder only, per 100,000 population

Source: Healthcare Cost and Utilization Project National Emergency Department Sample

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	571.3	2019	582.3	0.4	No change	=====	=====	=====	=====	=====	=====
Income	400% of PG or more	2016	448.6	2019	450.4	-1.1	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	741.8	2019	729.8	-0.1	No change	=====	400% of PG or more	450.4	729.8	62.0	Worse
	100-199% of PG	2016	533.9	2019	554.1	1.2	No change	=====			554.1	23.0	Worse
	200-399% of PG	2016	448.0	2019	489.9	2.0	No change	=====			489.9	8.8	Same
Metropolitan status	Large fringe metro	2016	493.4	2019	498.6	-0.1	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	701.8	2019	659.8	-2.5	No change	=====	Large fringe metro	498.6	659.8	32.3	Worse
	Medium metro	2016	534.8	2019	610.8	4.2	No change	=====			610.8	22.5	Worse
	Small metro	2016	506.8	2019	479.2	-1.8	No change	=====			479.2	-3.9	Same
	Micropolitan	2016	438.6	2019	489.8	3.5	No change	=====			489.8	-1.8	Same
	Noncore	2016	343.7	2019	407.6	5.1	Worsening	=====			407.6	-18.3	Same
Age	18-44	2016	876.7	2019	885.9	0.1	No change	=====	=====	=====	=====	=====	=====
	0-17	2016	67.2	2019	65.5	-1.1	No change	=====	18-44	885.9	65.5	-92.6	Better
	45-64	2016	810.2	2019	838.0	0.8	No change	=====			838.0	-5.4	Same
	65-84	2016	217.7	2019	248.4	4.3	Worsening	=====			248.4	-72.0	Better
	85 and over	2016	70.4	2019	79.7	1.7	No change	=====			79.7	-91.0	Better
Gender	Male	2016	824.8	2019	843.0	0.4	No change	=====	=====	=====	=====	=====	=====
	Female	2016	325.3	2019	329.4	0.2	No change	=====	Male	843.0	329.4	-60.9	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.6. Measure: Composite measure: Emergency department visits with a principal diagnosis related to co-occurring mental health, alcohol, and substance use disorder, per 100,000 population
 Source: Healthcare Cost and Utilization Project National Emergency Department Sample
 Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	438.2	2019	505.4	4.5	No change	=====	=====	=====	=====	=====	=====
Income	400% of PG or more	2016	317.1	2019	356.0	1.8	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	556.9	2019	634.0	5.3	No change	=====	400% of PG or more	356.0	634.0	78.1	Worse
	100-199% of PG	2016	444.7	2019	501.5	4.1	Worsening	=====			501.5	40.9	Worse
	200-399% of PG	2016	364.3	2019	430.5	4.4	No change	=====			430.5	20.9	Worse
Metropolitan status	Large fringe metro	2016	408.1	2019	409.7	0.8	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	447.7	2019	493.5	2.0	No change	=====	Large fringe metro	409.7	493.5	20.5	Same
	Medium metro	2016	447.6	2019	607.0	9.9	Worsening	=====			607.0	48.2	Worse
	Small metro	2016	452.5	2019	486.8	3.5	No change	=====			486.8	18.8	Same
	Micropolitan	2016	421.1	2019	489.0	5.4	No change	=====			489.0	19.4	Same
	Noncore	2016	303.5	2019	359.7	4.8	No change	=====			359.7	-12.2	Same
Age	18-44	2016	720.3	2019	843.2	5.0	No change	=====	=====	=====	=====	=====	=====
	0-17	2016	63.2	2019	69.2	2.4	No change	=====	18-44	843.2	69.2	-91.8	Better
	45-64	2016	569.4	2019	651.8	4.3	No change	=====			651.8	-22.7	Better
	65-84	2016	122.6	2019	150.6	6.7	Worsening	=====			150.6	-82.1	Better
	85 and over	2016	33.3	2019	37.1	2.5	No change	=====			37.1	-95.6	Better
Gender	Male	2016	546.7	2019	642.2	5.1	No change	=====	=====	=====	=====	=====	=====
	Female	2016	332.9	2019	372.8	3.5	No change	=====	Male	642.2	372.8	-41.9	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.7. Measure: Emergency department visits with a principal diagnosis related to dental conditions

Source: Healthcare Cost and Utilization Project National Emergency Department Sample

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	312.3	2019	282.8	-3.5	Improving	=====	=====	=====	=====	=====	=====
Income	Not low income	2016	236.3	2019	209.1	-4.3	Improving	=====	=====	=====	=====	=====	=====
	Low	2016	515.4	2019	484.1	-2.0	No change	=====	Not low income	209.1	484.1	131.5	Worse
Metropolitan status	Large fringe metro	2016	221.6	2019	218.8	-0.2	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	234.1	2019	202.8	-4.7	No change	=====	Large fringe metro	218.8	202.8	-7.3	Same
	Medium and small metro	2016	382.6	2019	339.9	-4.3	Improving	=====			339.9	55.3	Worse
	Micropolitan and noncore (rural)	2016	482.9	2019	442.2	-3.3	No change	=====			442.2	102.1	Worse
Age	18-44	2016	603.0	2019	524.1	-4.9	Improving	=====	=====	=====	=====	=====	=====
	0-17	2016	124.1	2019	120.2	-0.2	No change	=====	18-44	524.1	120.2	-77.1	Better
	45-64	2016	220.4	2019	221.2	-0.4	No change	=====			221.2	-57.8	Better
	65-84	2016	68.3	2019	76.7	3.7	Worsening	=====			76.7	-85.4	Better
	85 and over	2016	56.1	2019	63.6	3.7	No change	=====			63.6	-87.9	Better
Gender	Male	2016	305.8	2019	279.7	-3.2	Improving	=====	=====	=====	=====	=====	=====
	Female	2016	318.5	2019	285.8	-3.7	Improving	=====	Male	279.7	285.8	2.2	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.8. Measure: Emergency department encounters for asthma, adults
 Source: Healthcare Cost and Utilization Project National Emergency Department Sample
 Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	407.9	2019	394.7	-0.9	No change	=====	=====	=====	=====	=====	=====
Income	400% of PG or more	2016	218.6	2019	205.3	-2.0	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	625.9	2019	657.7	2.3	No change	=====	400% of PG or more	205.3	657.7	220.4	Worse
	100-199% of PG	2016	450.4	2019	418.2	-2.2	No change	=====			418.2	103.7	Worse
	200-399% of PG	2016	305.8	2019	277.5	-3.9	No change	=====			277.5	35.2	Worse
Metropolitan status	Large fringe metro	2016	344.7	2019	328.4	-0.8	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	462.6	2019	449.9	-1.3	No change	=====	Large fringe metro	328.4	449.9	37.0	Worse
	Medium metro	2016	389.5	2019	387.6	0.0	No change	=====			387.6	18.0	Same
	Small metro	2016	439.7	2019	388.9	-3.3	No change	=====			388.9	18.4	Same
	Micropolitan	2016	393.9	2019	414.0	2.2	No change	=====			414.0	26.1	Worse
	Noncore	2016	377.5	2019	347.5	-2.5	No change	=====			347.5	5.8	Same
Gender	Male	2016	332.0	2019	326.9	-0.2	No change	=====	=====	=====	=====	=====	=====
	Female	2016	486.3	2019	464.7	-1.4	No change	=====	Male	326.9	464.7	42.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.9. Measure: Emergency department encounters for asthma, children ages 2-17

Source: Healthcare Cost and Utilization Project National Emergency Department Sample

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening Disparities: ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	730.7	2019	725.7	1.4	No change	=====	=====	=====	=====	=====	=====
Income	400% of PG or more	2016	433.5	2019	435.4	2.8	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	1149.4	2019	1181.2	2.2	No change	=====	400% of PG or more	435.4	1181.2	171.3	Worse
	100-199% of PG	2016	721.9	2019	709.6	1.0	No change	=====			709.6	63.0	Worse
	200-399% of PG	2016	592.7	2019	559.2	0.1	No change	=====			559.2	28.4	Same
Metropolitan status	Large fringe metro	2016	606.9	2019	689.5	7.8	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	1058.8	2019	968.3	-1.1	No change	=====	Large fringe metro	689.5	968.3	40.4	Same
	Medium metro	2016	613.6	2019	664.0	2.8	Worsening	=====			664.0	-3.7	Same
	Small metro	2016	575.4	2019	499.9	-3.9	No change	=====			499.9	-27.5	Same
	Micropolitan	2016	504.4	2019	515.4	1.8	No change	=====			515.4	-25.3	Same
	Noncore	2016	492.2	2019	434.7	-4.1	Improving	=====			434.7	-37.0	Same
Age	2-4	2016	1126.7	2019	1139.9	3.0	No change	=====	=====	=====	=====	=====	=====
	5-9	2016	933.6	2019	887.1	-0.1	No change	=====	2-4	1139.9	887.1	-22.2	Same
	10-14	2016	523.9	2019	547.5	2.7	No change	=====			547.5	-52.0	Better
	15-17	2016	371.6	2019	366.9	0.0	No change	=====			366.9	-67.8	Better
Gender	Male	2016	870.7	2019	862.5	1.3	No change	=====	=====	=====	=====	=====	=====
	Female	2016	584.4	2019	583.0	1.6	No change	=====	Male	862.5	583.0	-32.4	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.10. Measure: Emergency department visits for asthma per 10,000 population, ages 2-19

Source: National Hospital Ambulatory Medical Care Survey

Benchmark was not available.

Disparity Year: 2017-2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 10,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2006-2008	82.5	2017-2019	93.0	0.5	No change	=====	=====	=====	=====	=====	=====
Race	White	2006-2008	60.0	2017-2019	41.1	-4.3	Improving	=====	=====	=====	=====	=====	=====
	Black	2006-2008	220.8	2017-2019	251.9	0.4	No change	=====	White	41.1	251.9	512.9	Worse
Ethnicity	Non-Hispanic, White	2006-2008	58.9	2017-2019	41.3	-3.0	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2006-2008	67.6	2017-2019	104.5	3.2	Worsening	=====	Non-Hispanic, White	41.3	104.5	153.0	Worse
	Non-Hispanic, all races	2006-2008	86.2	2017-2019	89.2	-0.3	No change	=====			89.2	116.0	Worse
	Non-Hispanic, Black	2006-2008	219.9	2017-2019	316.2	2.3	Worsening	=====			316.2	665.6	Worse
Metropolitan status	Metropolitan	2011-2013	89.5	2014-2016	104.8	5.4	No change	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2011-2013	59.8	2014-2016	86.1	12.4	Worsening	=====	Metropolitan	-----	-----	-----	-----
Age	2-9	2006-2008	110.1	2017-2019	139.0	1.1	No change	=====	=====	=====	=====	=====	=====
	10-19	2006-2008	61.0	2017-2019	57.5	-0.3	No change	=====	2-9	139.0	57.5	-58.6	Better
Gender	Male	2006-2008	97.4	2017-2019	110.8	0.3	No change	=====	=====	=====	=====	=====	=====
	Female	2006-2008	66.9	2017-2019	74.6	0.8	No change	=====	Male	110.8	74.6	-32.7	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.11. Measure: Emergency department visits for asthma per 10,000 population, ages 2-9

Source: National Hospital Ambulatory Medical Care Survey

Benchmark was not available.

Disparity Year: 2017-2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 10,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2007-2009	127.7	2017-2019	139.0	0.5	No change	=====	=====	=====	=====	=====	=====
Race	White	2007-2009	101.7	2016-2018	43.4	-5.7	No change	=====	=====	=====	=====	=====	=====
	Black	2007-2009	304.2	2017-2019	421.0	1.1	No change	=====	White	-----	-----	-----	-----
Ethnicity	Non-Hispanic, White	2007-2009	95.6	2017-2019	48.6	-3.4	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2007-2009	123.7	2017-2019	148.0	0.7	No change	=====	Non-Hispanic, White	48.6	148.0	204.5	Worse
	Non-Hispanic, all races	2007-2009	128.9	2017-2019	135.8	0.4	No change	=====			135.8	179.4	Worse
	Non-Hispanic, Black	2007-2009	297.8	2017-2019	540.4	3.7	Worsening	=====			540.4	1011.9	Worse
Gender	Male	2007-2009	173.4	2017-2019	178.2	-0.7	No change	=====	=====	=====	=====	=====	=====
	Female	2007-2009	80.0	2017-2019	97.9	2.9	Worsening	=====	Male	178.2	97.9	-45.1	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.12. Measure: Emergency department visits for asthma per 10,000 population, ages 10-19

Source: National Hospital Ambulatory Medical Care Survey

Benchmark was not available.

Disparity Year: 2017-2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 10,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2007-2009	67.1	2017-2019	57.5	-0.4	No change	=====	=====	=====	=====	=====	=====
Race	White	2007-2009	50.8	2017-2019	30.6	-5.7	No change	=====	=====	=====	=====	=====	=====
	Black	2007-2009	164.3	2017-2019	118.3	-1.4	No change	=====	White	30.6	118.3	286.6	Worse
Ethnicity	Non-Hispanic, White	2007-2009	52.3	2015-2017	34.5	-3.9	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2008-2010	56.4	2017-2019	68.7	3.7	No change	=====	Non-Hispanic, White	-----	-----	-----	-----
	Non-Hispanic, all races	2007-2009	70.2	2017-2019	53.8	-2.1	Improving	=====			-----	-----	-----
Gender	Non-Hispanic, Black	2007-2009	163.7	2017-2019	141.0	-0.6	No change	=====			-----	-----	-----
	Male	2007-2009	69.8	2017-2019	58.3	1.4	No change	=====	=====	=====	=====	=====	=====
	Female	2007-2009	64.4	2017-2019	56.5	-2.1	Improving	=====	Male	58.3	56.5	-3.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Care Coordination
Section: Preventable Hospitalizations

Appendix Table 6.13. Measure: Hospital admissions for uncontrolled diabetes without complications per 100,000 population, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 19.2 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	45.3	2019	42.6	-2.1	Improving	More than 20 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	32.3	2019	30.6	-1.9	Improving	19 years	=====	=====	=====	=====	=====
	Hispanic, all races	2016	56.7	2019	53.5	-1.8	No change	No progress	Non-Hispanic, White	30.6	53.5	74.8	Worse
	Non-Hispanic, API	2016	22.8	2019	22.0	-1.0	No change	No progress			22.0	-28.1	Better
	Non-Hispanic, Black	2016	128.7	2019	115.9	-3.5	Improving	More than 20 years			115.9	278.8	Worse
Income	400% of PG or more	2016	24.3	2019	23.4	-1.3	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	77.6	2019	70.7	-3.0	Improving	More than 20 years	400% of PG or more	23.4	70.7	202.1	Worse
	100-199% of PG	2016	46.0	2019	44.2	-1.3	Improving	No progress			44.2	88.9	Worse
	200-399% of PG	2016	35.1	2019	33.9	-1.4	No change	No progress			33.9	44.9	Worse
Metropolitan status	Large fringe metro	2016	40.8	2019	39.3	-1.4	Improving	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	54.2	2019	49.5	-3.1	Improving	19 years	Large fringe metro	39.3	49.5	26.0	Worse
	Medium metro	2016	43.0	2019	41.3	-1.3	No change	No progress			41.3	5.1	Same
	Small metro	2016	41.0	2019	40.0	-1.0	No change	No progress			40.0	1.8	Same
	Micropolitan	2016	41.0	2019	39.6	-1.4	No change	No progress			39.6	0.8	Same
Age	Noncore	2016	46.2	2019	39.4	-4.7	Improving	No progress			39.4	0.3	Same
	18-44	2016	18.4	2019	16.4	-3.7	Improving	Reached	=====	=====	=====	=====	=====
	18-64	2016	32.6	2019	29.8	-2.9	Improving	12 years	18-44	16.4	29.8	81.7	Worse
	45-64	2016	52.0	2019	48.6	-2.2	Improving	More than 20 years			48.6	196.3	Worse
	65 and over	2016	105.7	2019	102.4	-1.2	No change	No progress			102.4	524.4	Worse
	65-69	2016	77.2	2019	70.2	-3.4	Improving	20 years			70.2	328.0	Worse
	70-74	2016	94.5	2019	94.4	-0.2	No change	No progress			94.4	475.6	Worse
	75-79	2016	123.0	2019	124.9	0.3	No change	No progress			124.9	661.6	Worse
	80-84	2016	147.4	2019	147.1	-0.2	No change	No progress			147.1	797.0	Worse
85 and over	2016	144.3	2019	142.2	-0.6	No change	No progress			142.2	767.1	Worse	

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Gender	Male	2016	49.3	2019	46.9	-1.8	Improving	More than 20 years	=====	=====	=====	=====	=====
	Female	2016	41.8	2019	38.9	-2.4	Improving	20 years	Male	46.9	38.9	-17.1	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.14. Measure: Hospital admissions with diabetes with short-term complications per 100,000 population, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 37.0 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	54.5	2019	90.6	20.5	Worsening	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	53.2	2019	79.8	16.1	Worsening	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	34.2	2019	70.8	30.8	Worsening	No progress	Non-Hispanic, White	79.8	70.8	-11.3	Better
	Non-Hispanic, API	2016	10.7	2019	19.5	25.6	Worsening	No progress			19.5	-75.6	Better
	Non-Hispanic, Black	2016	110.4	2019	203.6	25.1	Worsening	No progress			203.6	155.1	Worse
Income	400% of PG or more	2016	28.3	2019	44.2	17.8	Worsening	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	83.4	2019	146.8	23.0	Worsening	No progress	400% of PG or more	44.2	146.8	232.1	Worse
	100-199% of PG	2016	60.5	2019	99.7	20.3	Worsening	No progress			99.7	125.6	Worse
	200-399% of PG	2016	45.5	2019	73.7	19.6	Worsening	No progress			73.7	66.7	Worse
Metropolitan status	Large fringe metro	2016	48.3	2019	76.1	18.3	Worsening	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	50.0	2019	89.1	23.7	Worsening	No progress	Large fringe metro	76.1	89.1	17.1	Worse
	Medium metro	2016	59.3	2019	99.3	20.7	Worsening	No progress			99.3	30.5	Worse
	Small metro	2016	62.9	2019	100.0	18.4	Worsening	No progress			100.0	31.4	Worse
	Micropolitan	2016	65.4	2019	106.0	19.3	Worsening	No progress			106.0	39.3	Worse
	Noncore	2016	65.7	2019	102.3	18.0	Worsening	No progress			102.3	34.4	Worse
Age	18-44	2016	78.5	2019	104.6	11.2	Worsening	No progress	=====	=====	=====	=====	=====
	18-64	2016	60.8	2019	96.9	18.7	Worsening	No progress	18-44	104.6	96.9	-7.4	Same
	45-64	2016	36.6	2019	86.3	36.7	Worsening	No progress			86.3	-17.5	Better
	65 and over	2016	23.8	2019	58.4	38.6	Worsening	No progress			58.4	-44.2	Better
	65-69	2016	25.4	2019	62.9	38.9	Worsening	No progress			62.9	-39.9	Better
	70-74	2016	23.5	2019	60.7	41.4	Worsening	No progress			60.7	-42.0	Better
	75-79	2016	24.0	2019	60.2	39.9	Worsening	No progress			60.2	-42.4	Better
	80-84	2016	23.6	2019	54.8	35.5	Worsening	No progress			54.8	-47.6	Better
	85 and over	2016	20.2	2019	41.9	30.5	Worsening	No progress			41.9	-59.9	Better

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Gender	Male	2016	54.9	2019	96.3	22.9	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2016	54.4	2019	85.1	17.9	Worsening	No progress	Male	96.3	85.1	-11.6	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.15. Measure: Hospital admissions with diabetes with short-term complications per 100,000 population, ages 6-17

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	26.1	2019	26.2	1.3	No change	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	26.2	2019	25.2	-0.1	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	19.5	2019	19.2	0.3	No change	=====	Non-Hispanic, White	25.2	19.2	-23.8	Better
	Non-Hispanic, API	2016	6.0	2019	6.0	0.5	No change	=====			6.0	-76.2	Better
	Non-Hispanic, Black	2016	37.7	2019	43.0	5.4	No change	=====			43.0	70.6	Worse
Income	400% of PG or more	2016	17.2	2019	17.0	1.2	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	35.8	2019	35.2	0.5	No change	=====	400% of PG or more	17.0	35.2	107.1	Worse
	100-199% of PG	2016	27.1	2019	27.5	1.8	No change	=====			27.5	61.8	Worse
	200-399% of PG	2016	24.2	2019	24.8	1.6	No change	=====			24.8	45.9	Worse
Metropolitan status	Large fringe metro	2016	21.2	2019	21.4	1.1	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	27.0	2019	27.2	2.2	No change	=====	Large fringe metro	21.4	27.2	27.1	Same
	Medium metro	2016	30.8	2019	31.9	2.0	No change	=====			31.9	49.1	Worse
	Small metro	2016	26.5	2019	27.7	2.0	No change	=====			27.7	29.4	Same
	Micropolitan	2016	23.8	2019	20.9	-3.3	No change	=====			20.9	-2.3	Same
	Noncore	2016	27.8	2019	26.5	-1.1	No change	=====			26.5	23.8	Same
Age	6-9	2016	12.4	2019	12.4	0.9	No change	=====	=====	=====	=====	=====	=====
	10-14	2016	28.9	2019	30.5	3.3	No change	=====	6-9	12.4	30.5	146.0	Worse
	15-17	2016	38.9	2019	36.7	-1.2	No change	=====			36.7	196.0	Worse
Gender	Male	2016	23.5	2019	24.7	3.1	No change	=====	=====	=====	=====	=====	=====
	Female	2016	28.8	2019	27.8	-0.4	No change	=====	Male	24.7	27.8	12.6	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.16. Measure: Hospital admissions with diabetes with long-term complications per 100,000 population, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 39.9 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	85.1	2019	117.4	10.5	Worsening	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	65.4	2019	94.3	12.1	Worsening	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	122.6	2019	164.2	9.6	No change	No progress	Non-Hispanic, White	94.3	164.2	74.1	Worse
	Non-Hispanic, API	2016	29.2	2019	37.5	8.4	No change	No progress			37.5	-60.2	Better
	Non-Hispanic, Black	2016	180.8	2019	231.5	7.8	No change	No progress			231.5	145.5	Worse
Income	400% of PG or more	2016	46.6	2019	64.4	10.4	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	137.9	2019	188.1	10.0	No change	No progress	400% of PG or more	64.4	188.1	192.1	Worse
	100-199% of PG	2016	90.3	2019	126.1	11.2	Worsening	No progress			126.1	95.8	Worse
	200-399% of PG	2016	70.5	2019	98.1	11.1	Worsening	No progress			98.1	52.3	Worse
Metropolitan status	Large fringe metro	2016	76.2	2019	104.8	10.3	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	98.9	2019	131.1	9.2	No change	No progress	Large fringe metro	104.8	131.1	25.1	Worse
	Medium metro	2016	84.4	2019	118.0	11.1	Worsening	No progress			118.0	12.6	Same
	Small metro	2016	78.7	2019	111.3	11.3	Worsening	No progress			111.3	6.2	Same
	Micropolitan	2016	79.1	2019	116.1	12.5	Worsening	No progress			116.1	10.8	Worse
	Noncore	2016	83.2	2019	120.5	12.2	Worsening	No progress			120.5	15.0	Worse
Age	18-44	2016	33.4	2019	36.2	2.1	No change	No progress	=====	=====	=====	=====	=====
	18-64	2016	72.7	2019	94.5	8.4	No change	No progress	18-44	36.2	94.5	161.0	Worse
	45-64	2016	127.4	2019	177.0	10.8	Worsening	No progress			177.0	389.0	Worse
	65 and over	2016	151.3	2019	237.7	15.2	Worsening	No progress			237.7	556.6	Worse
	65-69	2016	153.5	2019	217.9	11.6	Worsening	No progress			217.9	501.9	Worse
	70-74	2016	151.6	2019	244.4	16.1	Worsening	No progress			244.4	575.1	Worse
	75-79	2016	160.7	2019	264.5	16.9	Worsening	No progress			264.5	630.7	Worse
	80-84	2016	153.6	2019	266.3	19.0	Worsening	No progress			266.3	635.6	Worse
	85 and over	2016	129.1	2019	215.2	17.3	Worsening	No progress			215.2	494.5	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Gender	Male	2016	110.8	2019	158.5	11.9	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2016	62.6	2019	81.6	8.4	No change	No progress	Male	158.5	81.6	-48.5	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.17. Measure: Lower extremity amputations among admissions for diabetes per 100,000 population, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 13.5 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	25.9	2019	33.5	9.0	Worsening	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	19.9	2019	26.5	10.2	Worsening	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	38.9	2019	48.9	8.1	Worsening	No progress	Non-Hispanic, White	26.5	48.9	84.5	Worse
	Non-Hispanic, API	2016	8.8	2019	9.8	4.7	No change	No progress			9.8	-63.0	Better
	Non-Hispanic, Black	2016	61.1	2019	72.2	5.7	Worsening	No progress			72.2	172.5	Worse
Income	400% of PG or more	2016	13.1	2019	16.8	8.7	Worsening	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	43.2	2019	55.6	8.8	Worsening	No progress	400% of PG or more	16.8	55.6	231.0	Worse
	100-199% of PG	2016	27.7	2019	36.3	10.0	Worsening	No progress			36.3	116.1	Worse
	200-399% of PG	2016	21.3	2019	27.5	9.0	Worsening	No progress			27.5	63.7	Worse
Metropolitan status	Large fringe metro	2016	21.2	2019	26.8	8.3	Worsening	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	29.1	2019	36.3	7.8	Worsening	No progress	Large fringe metro	26.8	36.3	35.4	Worse
	Medium metro	2016	27.3	2019	36.3	10.0	Worsening	No progress			36.3	35.4	Worse
	Small metro	2016	25.7	2019	35.1	10.8	Worsening	No progress			35.1	31.0	Worse
	Micropolitan	2016	26.2	2019	35.0	10.0	Worsening	No progress			35.0	30.6	Worse
	Noncore	2016	27.3	2019	36.7	10.8	Worsening	No progress			36.7	36.9	Worse
Age	18-44	2016	4.6	2019	6.5	12.3	Worsening	Reached, getting worse	=====	=====	=====	=====	=====
	18-64	2016	19.5	2019	26.1	10.3	Worsening	No progress	18-44	6.5	26.1	301.5	Worse
	45-64	2016	40.3	2019	53.9	10.3	Worsening	No progress			53.9	729.2	Worse
	65 and over	2016	60.8	2019	73.9	6.8	Worsening	No progress			73.9	1036.9	Worse
	65-69	2016	60.4	2019	71.6	5.9	Worsening	No progress			71.6	1001.5	Worse
	70-74	2016	61.4	2019	76.8	7.9	Worsening	No progress			76.8	1081.5	Worse
	75-79	2016	66.2	2019	81.7	7.3	Worsening	No progress			81.7	1156.9	Worse
	80-84	2016	62.5	2019	80.2	8.8	Worsening	No progress			80.2	1133.8	Worse
	85 and over	2016	50.5	2019	56.5	4.1	Worsening	No progress			56.5	769.2	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Gender	Male	2016	39.0	2019	51.4	9.7	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2016	14.5	2019	17.8	7.2	Worsening	No progress	Male	51.4	17.8	-65.4	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.18. Measure: Composite measure: Hospital admissions for one or more diabetes complications (short-term complications, long-term complications, uncontrolled diabetes, or lower-extremity amputation) per 100,000 population, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 112.0 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening Disparities: ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	200.0	2019	264.9	10.1	Worsening	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	162.5	2019	215.9	10.2	Worsening	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	235.0	2019	309.0	9.9	Worsening	No progress	Non-Hispanic, White	215.9	309.0	43.1	Worse
	Non-Hispanic, API	2016	68.1	2019	83.3	7.5	Worsening	No progress			83.3	-61.4	Better
	Non-Hispanic, Black	2016	456.8	2019	582.9	8.9	Worsening	No progress			582.9	170.0	Worse
Income	400% of PG or more	2016	106.7	2019	139.1	9.4	Worsening	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	324.3	2019	429.7	10.2	Worsening	No progress	400% of PG or more	139.1	429.7	208.9	Worse
	100-199% of PG	2016	213.0	2019	285.6	10.8	Worsening	No progress			285.6	105.3	Worse
	200-399% of PG	2016	163.4	2019	217.4	10.4	Worsening	No progress			217.4	56.3	Worse
Metropolitan status	Large fringe metro	2016	177.6	2019	231.5	9.4	Worsening	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	219.9	2019	285.8	9.5	Worsening	No progress	Large fringe metro	231.5	285.8	23.5	Worse
	Medium metro	2016	202.6	2019	274.3	11.0	Worsening	No progress			274.3	18.5	Worse
	Small metro	2016	198.0	2019	266.2	10.6	Worsening	No progress			266.2	15.0	Worse
	Micropolitan	2016	200.5	2019	276.0	11.4	Worsening	No progress			276.0	19.2	Worse
	Noncore	2016	210.9	2019	277.1	10.0	Worsening	No progress			277.1	19.7	Worse
Age	18-44	2016	132.9	2019	160.2	7.0	Worsening	No progress	=====	=====	=====	=====	=====
	18-64	2016	177.3	2019	232.8	9.9	Worsening	No progress	18-44	160.2	232.8	45.3	Worse
	45-64	2016	239.3	2019	335.5	12.3	Worsening	No progress			335.5	109.4	Worse
	65 and over	2016	316.7	2019	428.6	10.5	Worsening	No progress			428.6	167.5	Worse
	65-69	2016	291.7	2019	381.6	9.4	Worsening	No progress			381.6	138.2	Worse
	70-74	2016	305.9	2019	431.5	12.1	Worsening	No progress			431.5	169.4	Worse
	75-79	2016	346.9	2019	482.4	11.5	Worsening	No progress			482.4	201.1	Worse
	80-84	2016	361.4	2019	497.8	11.0	Worsening	No progress			497.8	210.7	Worse
	85 and over	2016	323.6	2019	418.7	8.7	Worsening	No progress			418.7	161.4	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Gender	Male	2016	237.3	2019	323.5	11.1	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2016	167.6	2019	213.4	8.7	Worsening	No progress	Male	323.5	213.4	-34.0	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.19. Measure: Hospital admissions for asthma per 100,000 population, ages 18 to 39

Source: Healthcare Cost and Utilization Project

Benchmark was 16.1 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	34.7	2019	30.7	-4.0	Improving	11 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	26.2	2019	22.1	-5.2	Improving	5 years	=====	=====	=====	=====	=====
	Hispanic, all races	2016	25.9	2019	23.7	-2.8	Improving	11 years	Non-Hispanic, White	22.1	23.7	7.2	Same
	Non-Hispanic, API	2016	8.0	2019	6.0	-7.9	No change	No progress			6.0	-72.9	Better
	Non-Hispanic, Black	2016	88.8	2019	82.3	-2.8	Improving	No progress			82.3	272.4	Worse
Income	400% of PG or more	2016	19.9	2019	16.1	-7.0	Improving	0 years	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	53.6	2019	48.6	-3.2	Improving	20 years	400% of PG or more	16.1	48.6	201.9	Worse
	100-199% of PG	2016	35.6	2019	31.9	-3.2	No change	No progress			31.9	98.1	Worse
	200-399% of PG	2016	27.9	2019	24.9	-3.6	Improving	No progress			24.9	54.7	Worse
Metropolitan status	Large fringe metro	2016	35.8	2019	30.4	-5.1	Improving	8 years	=====	=====	=====	=====	=====
	Large central metro	2016	39.6	2019	35.8	-3.5	Improving	15 years	Large fringe metro	30.4	35.8	17.8	Worse
	Medium metro	2016	32.6	2019	29.1	-3.5	Improving	12 years			29.1	-4.3	Same
	Small metro	2016	30.2	2019	27.1	-3.8	No change	No progress			27.1	-10.9	Same
	Micropolitan	2016	27.7	2019	25.2	-2.6	No change	No progress			25.2	-17.1	Better
	Noncore	2016	27.1	2019	21.3	-7.1	Improving	No progress			21.3	-29.9	Better
Gender	Male	2016	22.9	2019	20.1	-4.3	Improving	4 years	=====	=====	=====	=====	=====
	Female	2016	46.6	2019	41.4	-3.8	Improving	15 years	Male	20.1	41.4	106.0	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.20. Measure: Hospital admissions for asthma per 100,000 population, ages 2-17

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	89.5	2019	69.7	-7.3	Improving	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	49.6	2019	38.0	-7.4	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	82.0	2019	66.0	-6.3	Improving	=====	Non-Hispanic, White	38.0	66.0	73.7	Worse
	Non-Hispanic, API	2016	47.0	2019	37.3	-7.1	Improving	=====			37.3	-1.8	Same
	Non-Hispanic, Black	2016	226.5	2019	172.1	-8.4	Improving	=====			172.1	352.9	Worse
Income	400% of PG or more	2016	54.1	2019	44.1	-5.9	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	145.3	2019	109.4	-8.4	Improving	=====	400% of PG or more	44.1	109.4	148.1	Worse
	100-199% of PG	2016	81.7	2019	64.2	-6.8	Improving	=====			64.2	45.6	Worse
	200-399% of PG	2016	71.7	2019	57.2	-6.6	Improving	=====			57.2	29.7	Worse
Metropolitan status	Large fringe metro	2016	74.2	2019	61.4	-5.6	Improving	=====	=====	=====	=====	=====	=====
	Large central metro	2016	126.5	2019	98.4	-7.4	Improving	=====	Large fringe metro	61.4	98.4	60.3	Worse
	Medium metro	2016	85.5	2019	65.0	-7.8	Improving	=====			65.0	5.9	Same
	Small metro	2016	65.8	2019	49.1	-8.7	Improving	=====			49.1	-20.0	Same
	Micropolitan	2016	55.7	2019	40.2	-9.0	No change	=====			40.2	-34.5	Better
Age	Noncore	2016	51.3	2019	37.3	-9.9	Improving	=====			37.3	-39.3	Better
	2-4	2016	179.6	2019	141.0	-6.7	No change	=====	=====	=====	=====	=====	=====
	5-9	2016	116.3	2019	85.1	-9.2	Improving	=====	2-4	141.0	85.1	-39.6	Better
	10-14	2016	49.2	2019	41.9	-5.3	No change	=====			41.9	-70.3	Better
Gender	15-17	2016	27.4	2019	23.1	-5.5	Improving	=====			23.1	-83.6	Better
	Male	2016	105.6	2019	80.7	-7.9	Improving	=====	=====	=====	=====	=====	=====
	Female	2016	72.7	2019	58.2	-6.5	Improving	=====	Male	80.7	58.2	-27.9	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Care Coordination
Section: Preventable Hospitalizations Among Home Health and Nursing Home Patients

Appendix Table 6.21. Measure: Hospitalizations and emergency department encounters for heart failure
 Source: Healthcare Cost and Utilization Project National Emergency Department Sample
 Benchmark was not available.
 Disparity Year: 2019
 Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	448.7	2019	525.7	5.2	No change	=====	=====	=====	=====	=====	=====
Income	400% of PG or more	2016	299.9	2019	336.5	3.3	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	629.8	2019	815.7	9.3	Worsening	=====	400% of PG or more	336.5	815.7	142.4	Worse
	100-199% of PG	2016	498.4	2019	555.5	3.7	Worsening	=====			555.5	65.1	Worse
	200-399% of PG	2016	369.0	2019	408.5	2.5	No change	=====			408.5	21.4	Worse
Metropolitan status	Large fringe metro	2016	386.1	2019	434.9	4.4	Worsening	=====	=====	=====	=====	=====	=====
	Large central metro	2016	414.8	2019	502.2	5.3	No change	=====	Large fringe metro	434.9	502.2	15.5	Same
	Medium metro	2016	424.9	2019	512.9	5.7	No change	=====			512.9	17.9	Same
	Small metro	2016	538.9	2019	634.0	6.9	No change	=====			634.0	45.8	Worse
	Micropolitan	2016	563.1	2019	663.6	6.3	Worsening	=====			663.6	52.6	Worse
	Noncore	2016	663.8	2019	713.3	3.4	No change	=====			713.3	64.0	Worse
Age	18-44	2016	47.2	2019	60.0	7.9	No change	=====	=====	=====	=====	=====	=====
	45-64	2016	339.1	2019	423.7	7.4	No change	=====	18-44	60.0	423.7	606.2	Worse
	65 and over	2016	1592.9	2019	1741.6	2.8	No change	=====			1741.6	2802.7	Worse
	65-69	2016	729.9	2019	798.9	3.0	No change	=====			798.9	1231.5	Worse
	70-74	2016	1043.5	2019	1195.9	4.4	No change	=====			1195.9	1893.2	Worse
	75-79	2016	1617.2	2019	1826.1	4.0	No change	=====			1826.1	2943.5	Worse
	80-84	2016	2469.8	2019	2735.4	3.3	No change	=====			2735.4	4459.0	Worse
	85 and over	2016	4052.8	2019	4402.0	2.5	No change	=====			4402.0	7236.7	Worse
Gender	Male	2016	476.6	2019	564.5	5.6	No change	=====	=====	=====	=====	=====	=====
	Female	2016	422.3	2019	488.9	4.8	No change	=====	Male	564.5	488.9	-13.4	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.22. Measure: Home health care patients who had an emergency department visit and were then hospitalized

Source: Outcome and Assessment Information Set

Benchmark was 8.9 in 2015.

Disparity Year: 2018

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	11.0	2020	11.6	-0.3	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	10.9	2020	11.4	-0.4	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2013	9.4	2020	11.1	1.1	No change	No progress	Non-Hispanic, White	11.4	11.1	-2.6	Same
	Non-Hispanic, AI/AN	2013	12.2	2020	12.8	-0.6	No change	No progress			12.8	12.3	Worse
	Non-Hispanic, Asian	2013	7.6	2020	9.1	1.0	No change	No progress			9.1	-20.2	Better
	Non-Hispanic, NHPI	2013	9.0	2020	10.1	1.2	No change	No progress			10.1	-11.4	Better
	Non-Hispanic, Black	2013	12.4	2020	13.2	-0.2	No change	No progress			13.2	15.8	Worse
	Non-Hispanic, multiple races	2013	17.6	2020	17.6	-0.8	No change	No progress			17.6	54.4	Worse
Age	0-64	2013	12.6	2020	12.8	-0.9	No change	No progress	=====	=====	=====	=====	=====
	65-74	2013	9.9	2020	11.1	0.3	No change	No progress	0-64	12.8	11.1	-13.3	Better
	75-84	2013	10.5	2020	11.4	0.0	No change	No progress			11.4	-10.9	Better
	85 and over	2013	11.5	2020	11.8	-0.5	No change	No progress			11.8	-7.8	Same
Gender	Male	2013	11.9	2020	13.1	0.4	No change	No progress	=====	=====	=====	=====	=====
	Female	2013	10.5	2020	10.7	-0.9	No change	No progress	Male	13.1	10.7	-18.3	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Care Coordination
Section: Supportive and Palliative Care

Appendix Table 6.23. Measure: Home health care patients who had an emergency department visit without a hospitalization
 Source: Outcome and Assessment Information Set
 Benchmark was 2.8 in 2015.
 Disparity Year: 2018
 Note: Lower estimates are better for this measure. The unit of measurement is percentage.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	3.5	2020	3.7	1.3	Worsening	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	3.6	2020	3.8	1.3	Worsening	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2013	2.5	2020	2.9	2.7	Worsening	No progress	Non-Hispanic, White	3.8	2.9	-23.7	Better
	Non-Hispanic, AI/AN	2013	4.9	2020	4.7	0.1	No change	No progress			4.7	23.7	Worse
	Non-Hispanic, Asian	2013	2.1	2020	2.6	2.9	Worsening	Reached, getting worse			2.6	-31.6	Better
	Non-Hispanic, NHPI	2013	3.6	2020	4.4	2.1	Worsening	No progress			4.4	15.8	Worse
	Non-Hispanic, Black	2013	3.5	2020	3.5	0.7	No change	No progress			3.5	-7.9	Same
	Non-Hispanic, multiple races	2013	3.8	2020	4.1	1.2	No change	No progress			4.1	7.9	Same
Age	0-64	2013	4.8	2020	4.9	0.7	No change	No progress	=====	=====	=====	=====	=====
	65-74	2013	3.1	2020	3.4	1.8	Worsening	No progress	0-64	4.9	3.4	-30.6	Better
	75-84	2013	3.2	2020	3.4	1.5	Worsening	No progress			3.4	-30.6	Better
	85 and over	2013	3.3	2020	3.5	1.6	Worsening	No progress			3.5	-28.6	Better
Gender	Male	2013	3.5	2020	3.8	1.6	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2013	3.4	2020	3.6	1.3	No change	No progress	Male	3.8	3.6	-5.3	Same

----- : Data were not available for the analysis.
 ===== : Not applicable.
 More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.24. Measure: Home health care patients who had to be admitted to the hospital

Source: Outcome and Assessment Information Set

Benchmark was 10.5 in 2015.

Disparity Year: 2018

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	15.0	2020	12.8	-3.7	Improving	4 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	14.5	2020	12.4	-3.6	Improving	4 years	=====	=====	=====	=====	=====
	Hispanic, all races	2013	14.7	2020	13.3	-3.1	Improving	No progress	Non-Hispanic, White	12.4	13.3	7.3	Same
	Non-Hispanic, AI/AN	2013	16.8	2020	13.8	-4.2	Improving	5 years			13.8	11.3	Worse
	Non-Hispanic, Asian	2013	10.9	2020	10.4	-2.4	Improving	No progress			10.4	-16.1	Better
	Non-Hispanic, NHPI	2013	12.0	2020	11.2	-2.1	Improving	3 years			11.2	-9.7	Same
	Non-Hispanic, Black	2013	17.9	2020	15.1	-3.9	Improving	7 years			15.1	21.8	Worse
	Non-Hispanic, multiple races	2013	23.9	2020	19.6	-4.2	Improving	10 years			19.6	58.1	Worse
	Age	0-64	2013	17.4	2020	14.0	-4.6	Improving	5 years	=====	=====	=====	=====
65-74		2013	13.6	2020	12.3	-3.0	Improving	5 years	0-64	14.0	12.3	-12.1	Better
75-84		2013	14.3	2020	12.6	-3.4	Improving	5 years			12.6	-10.0	Better
85 and over		2013	15.6	2020	13.0	-3.6	Improving	5 years			13.0	-7.1	Same
Gender	Male	2013	16.3	2020	14.5	-2.9	Improving	9 years	=====	=====	=====	=====	=====
	Female	2013	14.2	2020	11.7	-4.3	Improving	2 years	Male	14.5	11.7	-19.3	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.25. Measure: Home health care patients who had timely initiation of care

Source: Outcome and Assessment Information Set

Benchmark was 94.9 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	90.4	2020	94.4	-8.5	Improving	1 year	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	90.6	2020	94.7	-9.0	Improving	0 years	=====	=====	=====	=====	=====
	Hispanic, all races	2013	90.9	2020	93.8	-5.8	Improving	2 years	Non-Hispanic, White	94.7	93.8	17.0	Worse
	Non-Hispanic, AI/AN	2013	88.2	2020	93.6	-9.9	Improving	1 year			93.6	20.8	Worse
	Non-Hispanic, Asian	2013	90.5	2020	92.9	-5.1	Improving	5 years			92.9	34.0	Worse
	Non-Hispanic, NHPI	2013	88.0	2020	92.0	-6.5	Improving	4 years			92.0	50.9	Worse
	Non-Hispanic, Black	2013	88.7	2020	93.1	-7.5	Improving	3 years			93.1	30.2	Worse
	Non-Hispanic, multiple races	2013	89.7	2020	93.8	-7.8	Improving	2 years			93.8	17.0	Worse
Age	0-64	2013	89.6	2020	93.6	-7.6	Improving	2 years	=====	=====	=====	=====	=====
	65-74	2013	90.7	2020	94.5	-8.3	Improving	1 year	0-64	93.6	94.5	-14.1	Better
	75-84	2013	90.5	2020	94.5	-8.6	Improving	1 year			94.5	-14.1	Better
	85 and over	2013	90.4	2020	94.5	-8.7	Improving	1 year			94.5	-14.1	Better
Gender	Male	2013	90.8	2020	94.5	-8.1	Improving	1 year	=====	=====	=====	=====	=====
	Female	2013	90.1	2020	94.3	-8.7	Improving	1 year	Male	94.5	94.3	3.6	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.26. Measure: Adults who reported that home health care providers always seemed informed and up to date about all the care or treatment they got at home in the last 2 months of care
 Source: Home Health Consumer Assessment of Healthcare Providers and Systems
 Benchmark was 67.6 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	62.2	2020	64.3	-0.9	No change	10 years	=====	=====	=====	=====	=====
Race	White	2012	63.3	2020	65.2	-0.8	No change	8 years	=====	=====	=====	=====	=====
	AI/AN	2012	60.4	2020	60.8	-0.6	No change	No progress	White	65.2	60.8	12.6	Worse
	Asian	2012	48.1	2020	52.5	-1.2	Improving	More than 20 years			52.5	36.5	Worse
	NHPI	2012	59.2	2020	62.1	-0.8	No change	17 years			62.1	8.9	Same
	Black	2012	61.4	2020	63.6	-1.0	No change	11 years			63.6	4.6	Same
	Multiple races	2012	57.7	2020	59.7	-0.2	No change	No progress			59.7	15.8	Worse
	Ethnicity	Non-Hispanic, all races	2012	63.0	2020	64.9	-0.9	No change	9 years	=====	=====	=====	=====
	Hispanic, all races	2012	59.6	2020	61.1	-0.4	No change	No progress	Non-Hispanic, all races	64.9	61.1	10.8	Worse
Age	18-44	2012	59.8	2020	61.2	-0.5	No change	More than 20 years	=====	=====	=====	=====	=====
	45-64	2012	63.7	2020	65.3	-0.7	No change	9 years	18-44	61.2	65.3	-10.6	Better
	65 and over	2012	62.1	2020	64.2	-0.9	No change	10 years			64.2	-7.7	Same
Education	Some college	2012	61.6	2020	63.8	-0.9	No change	12 years	=====	=====	=====	=====	=====
	Less than high school graduate	2012	62.8	2020	65.0	-0.9	No change	8 years	Some college	63.8	65.0	-3.3	Same
	High school graduate	2012	63.6	2020	65.8	-1.0	No change	5 years			65.8	-5.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Care Coordination
Section: Potentially Avoidable Admissions

Appendix Table 6.27. Measure: Hospital admissions with hypertension per 100,000 population, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 19.1 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	50.5	2019	64.4	7.7	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	32.3	2019	39.4	6.2	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	54.6	2019	66.7	6.8	No change	No progress	Non-Hispanic, White	39.4	66.7	69.3	Worse
	Non-Hispanic, API	2016	26.7	2019	34.3	7.2	No change	No progress			34.3	-12.9	Better
	Non-Hispanic, Black	2016	168.0	2019	220.1	8.5	No change	No progress			220.1	458.6	Worse
Income	400% of PG or more	2016	28.6	2019	36.0	7.0	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	84.6	2019	108.8	7.9	No change	No progress	400% of PG or more	36.0	108.8	202.2	Worse
	100-199% of PG	2016	50.8	2019	65.4	8.5	Worsening	No progress			65.4	81.7	Worse
	200-399% of PG	2016	40.5	2019	51.0	7.5	No change	No progress			51.0	41.7	Worse
Metropolitan status	Large fringe metro	2016	47.2	2019	58.4	6.7	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	60.6	2019	76.5	7.3	No change	No progress	Large fringe metro	58.4	76.5	31.0	Worse
	Medium metro	2016	49.6	2019	64.4	8.5	No change	No progress			64.4	10.3	Same
	Small metro	2016	46.3	2019	63.2	10.2	No change	No progress			63.2	8.2	Same
	Micropolitan	2016	41.3	2019	54.5	8.6	No change	No progress			54.5	-6.7	Same
	Noncore	2016	42.0	2019	50.9	5.8	No change	No progress			50.9	-12.8	Better
Age	18-44	2016	17.7	2019	24.6	10.7	No change	No progress	=====	=====	=====	=====	=====
	18-64	2016	35.0	2019	46.7	9.3	No change	No progress	18-44	24.6	46.7	89.8	Worse
	45-64	2016	58.7	2019	77.6	9.0	No change	No progress			77.6	215.4	Worse
	65 and over	2016	118.4	2019	139.2	4.9	No change	No progress			139.2	465.9	Worse
	65-69	2016	75.2	2019	89.1	5.0	No change	No progress			89.1	262.2	Worse
	70-74	2016	91.0	2019	112.8	6.8	No change	No progress			112.8	358.5	Worse
	75-79	2016	125.3	2019	151.5	6.1	No change	No progress			151.5	515.9	Worse
	80-84	2016	170.4	2019	201.6	5.1	No change	No progress			201.6	719.5	Worse
	85 and over	2016	216.4	2019	248.6	4.0	No change	No progress			248.6	910.6	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Gender	Male	2016	46.6	2019	61.4	8.7	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	52.5	2019	65.2	6.9	No change	No progress	Male	61.4	65.2	6.2	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.28. Measure: Hospital admissions with chronic obstructive pulmonary disease or asthma per 100,000 population, age 40 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 194.1 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	443.9	2019	356.5	-8.9	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	430.5	2019	346.3	-9.0	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	329.8	2019	250.6	-9.8	No change	No progress	Non-Hispanic, White	346.3	250.6	-27.6	Better
	Non-Hispanic, API	2016	154.8	2019	124.2	-8.8	No change	No progress			124.2	-64.1	Better
	Non-Hispanic, Black	2016	706.9	2019	582.9	-7.4	No change	No progress			582.9	68.3	Worse
Income	400% of PG or more	2016	244.3	2019	195.0	-9.4	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	715.7	2019	579.6	-8.4	No change	No progress	400% of PG or more	195.0	579.6	197.2	Worse
	100-199% of PG	2016	482.6	2019	390.1	-8.7	No change	No progress			390.1	100.1	Worse
	200-399% of PG	2016	356.1	2019	282.9	-9.2	No change	No progress			282.9	45.1	Worse
Metropolitan status	Large fringe metro	2016	413.2	2019	328.5	-9.3	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	431.5	2019	334.3	-9.7	No change	No progress	Large fringe metro	328.5	334.3	1.8	Same
	Medium metro	2016	424.2	2019	340.4	-8.9	No change	No progress			340.4	3.6	Same
	Small metro	2016	438.4	2019	370.8	-7.5	No change	No progress			370.8	12.9	Same
	Micropolitan	2016	500.5	2019	430.0	-7.0	No change	No progress			430.0	30.9	Worse
	Noncore	2016	598.2	2019	490.5	-8.2	No change	No progress			490.5	49.3	Worse
Age	40-64	2016	293.8	2019	244.9	-7.2	No change	No progress	=====	=====	=====	=====	=====
	18-44	2016	96.3	2019	76.7	-8.2	Improving	No progress	40-64	244.9	76.7	-68.7	Better
	45-64	2016	341.4	2019	285.4	-7.2	No change	No progress			285.4	16.5	Worse
	65 and over	2016	839.8	2019	658.8	-10.0	No change	No progress			658.8	169.0	Worse
	65-69	2016	626.3	2019	481.9	-10.1	No change	No progress			481.9	96.8	Worse
	70-74	2016	815.9	2019	647.4	-9.5	No change	No progress			647.4	164.4	Worse
	75-79	2016	997.1	2019	817.8	-8.5	No change	No progress			817.8	233.9	Worse
	80-84	2016	1082.5	2019	870.0	-9.5	No change	No progress			870.0	255.2	Worse
	85 and over	2016	1046.4	2019	782.5	-12.4	No change	No progress			782.5	219.5	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Gender	Male	2016	393.0	2019	309.7	-9.7	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	493.6	2019	400.2	-8.4	No change	No progress	Male	309.7	400.2	29.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.29. Measure: Hospital admissions for community-acquired pneumonia per 100,000 population, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 131.4 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	217.2	2019	177.6	-4.7	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	220.6	2019	183.6	-3.9	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	183.5	2019	135.0	-8.4	No change	No progress	Non-Hispanic, White	183.6	135.0	-26.5	Better
	Non-Hispanic, API	2016	101.6	2019	74.5	-8.8	No change	No progress			74.5	-59.4	Better
	Non-Hispanic, Black	2016	235.4	2019	190.3	-5.3	No change	No progress			190.3	3.6	Same
Income	400% of PG or more	2016	144.7	2019	115.0	-6.1	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	301.5	2019	252.7	-3.5	No change	No progress	400% of PG or more	115.0	252.7	119.7	Worse
	100-199% of PG	2016	241.2	2019	197.7	-4.5	No change	No progress			197.7	71.9	Worse
	200-399% of PG	2016	185.7	2019	149.7	-5.1	No change	No progress			149.7	30.2	Worse
Metropolitan status	Large fringe metro	2016	199.8	2019	161.7	-4.9	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	174.8	2019	137.0	-6.1	No change	No progress	Large fringe metro	161.7	137.0	-15.3	Better
	Medium metro	2016	203.0	2019	168.3	-3.9	No change	No progress			168.3	4.1	Same
	Small metro	2016	227.9	2019	195.5	-2.9	No change	No progress			195.5	20.9	Worse
	Micropolitan	2016	285.0	2019	243.8	-3.2	No change	No progress			243.8	50.8	Worse
	Noncore	2016	390.1	2019	323.1	-4.7	No change	No progress			323.1	99.8	Worse
Age	18-44	2016	46.5	2019	36.2	-7.4	No change	No progress	=====	=====	=====	=====	=====
	18-64	2016	101.3	2019	82.0	-4.9	No change	No progress	18-44	36.2	82.0	126.5	Worse
	45-64	2016	176.3	2019	145.6	-3.8	No change	No progress			145.6	302.2	Worse
	65 and over	2016	757.0	2019	612.1	-5.0	No change	No progress			612.1	1590.9	Worse
	65-69	2016	352.5	2019	271.7	-5.8	No change	No progress			271.7	650.6	Worse
	70-74	2016	518.9	2019	432.8	-3.3	No change	No progress			432.8	1095.6	Worse
	75-79	2016	787.2	2019	681.3	-2.3	No change	No progress			681.3	1782.0	Worse
	80-84	2016	1170.0	2019	993.2	-3.5	No change	No progress			993.2	2643.6	Worse
	85 and over	2016	1937.3	2019	1550.8	-6.1	No change	No progress			1550.8	4184.0	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Gender	Male	2016	228.7	2019	185.7	-4.9	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	212.2	2019	174.0	-4.6	No change	No progress	Male	185.7	174.0	-6.3	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.30. Measure: Hospital admissions for urinary tract infection per 100,000 population, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	153.5	2019	130.6	-5.3	Improving	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	146.4	2019	126.2	-4.9	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	173.0	2019	133.4	-8.3	Improving	=====	Non-Hispanic, White	126.2	133.4	5.7	Same
	Non-Hispanic, API	2016	67.3	2019	56.2	-5.9	Improving	=====			56.2	-55.5	Better
	Non-Hispanic, Black	2016	193.6	2019	162.3	-5.8	Improving	=====			162.3	28.6	Worse
Income	400% of PG or more	2016	118.7	2019	102.3	-5.0	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	203.4	2019	173.2	-5.2	Improving	=====	400% of PG or more	102.3	173.2	69.3	Worse
	100-199% of PG	2016	158.0	2019	134.0	-5.4	Improving	=====			134.0	31.0	Worse
	200-399% of PG	2016	135.6	2019	114.8	-5.4	Improving	=====			114.8	12.2	Worse
Metropolitan status	Large fringe metro	2016	154.9	2019	132.5	-5.2	Improving	=====	=====	=====	=====	=====	=====
	Large central metro	2016	151.2	2019	121.8	-7.1	Improving	=====	Large fringe metro	132.5	121.8	-8.1	Same
	Medium metro	2016	143.3	2019	122.8	-5.0	Improving	=====			122.8	-7.3	Same
	Small metro	2016	140.2	2019	122.9	-4.2	Improving	=====			122.9	-7.2	Same
	Micropolitan	2016	158.4	2019	144.0	-3.1	Improving	=====			144.0	8.7	Same
	Noncore	2016	205.5	2019	181.1	-4.2	Improving	=====			181.1	36.7	Worse
Age	18-44	2016	42.4	2019	32.5	-8.6	Improving	=====	=====	=====	=====	=====	=====
	18-64	2016	58.7	2019	48.1	-6.5	Improving	=====	18-44	32.5	48.1	48.0	Worse
	45-64	2016	81.1	2019	69.7	-4.9	Improving	=====			69.7	114.5	Worse
	65 and over	2016	563.8	2019	475.7	-5.6	Improving	=====			475.7	1363.7	Worse
	65-69	2016	189.4	2019	152.2	-7.1	Improving	=====			152.2	368.3	Worse
	70-74	2016	314.6	2019	284.3	-3.6	Improving	=====			284.3	774.8	Worse
	75-79	2016	548.5	2019	488.5	-3.7	Improving	=====			488.5	1403.1	Worse
	80-84	2016	932.5	2019	829.2	-3.9	Improving	=====			829.2	2451.4	Worse
	85 and over	2016	1645.3	2019	1392.0	-5.5	Improving	=====			1392.0	4183.1	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Gender	Male	2016	94.7	2019	81.9	-4.8	Improving	=====	=====	=====	=====	=====	=====
	Female	2016	200.4	2019	168.9	-5.6	Improving	=====	Male	81.9	168.9	106.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.31. Measure: Hospital admissions for urinary tract infection per 100,000 population, ages 3 months to 17 years

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	23.1	2019	18.0	-7.9	Improving	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	22.3	2019	17.9	-6.6	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	25.8	2019	18.8	-10.4	Improving	=====	Non-Hispanic, White	17.9	18.8	5.0	Same
	Non-Hispanic, API	2016	11.4	2019	9.0	-7.2	No change	=====			9.0	-49.7	Better
Income	Non-Hispanic, Black	2016	17.4	2019	14.1	-7.1	Improving	=====			14.1	-21.2	Better
	400% of PG or more	2016	15.3	2019	12.1	-7.1	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	31.0	2019	23.0	-9.4	Improving	=====	400% of PG or more	12.1	23.0	90.1	Worse
	100-199% of PG	2016	24.7	2019	19.3	-7.8	Improving	=====			19.3	59.5	Worse
Metropolitan status	200-399% of PG	2016	20.7	2019	16.9	-6.5	Improving	=====			16.9	39.7	Worse
	Large fringe metro	2016	19.6	2019	15.8	-7.0	Improving	=====	=====	=====	=====	=====	=====
	Large central metro	2016	22.0	2019	16.3	-9.3	Improving	=====	Large fringe metro	15.8	16.3	3.2	Same
	Medium metro	2016	25.1	2019	20.4	-6.8	Improving	=====			20.4	29.1	Worse
	Small metro	2016	24.9	2019	20.7	-5.5	Improving	=====			20.7	31.0	Worse
	Micropolitan	2016	26.1	2019	19.9	-8.7	Improving	=====			19.9	25.9	Worse
Age	Noncore	2016	30.6	2019	21.5	-10.3	Improving	=====			21.5	36.1	Worse
	0-4	2016	45.3	2019	33.5	-9.4	Improving	=====	=====	=====	=====	=====	=====
	5-9	2016	17.5	2019	14.1	-6.6	Improving	=====	0-4	33.5	14.1	-57.9	Better
	10-14	2016	9.0	2019	7.6	-5.8	Improving	=====			7.6	-77.3	Better
Gender	15-17	2016	21.9	2019	17.9	-6.6	Improving	=====			17.9	-46.6	Better
	Male	2016	7.9	2019	6.3	-6.9	Improving	=====	=====	=====	=====	=====	=====
	Female	2016	39.1	2019	30.2	-8.2	Improving	=====	Male	6.3	30.2	379.4	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 6.32. Measure: Hospital admissions for pediatric gastroenteritis per 100,000 population, ages 3 months to 17 years

Source: Healthcare Cost and Utilization Project

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	36.5	2019	33.8	-3.6	No change	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	32.8	2019	32.1	-1.7	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	40.0	2019	33.8	-6.4	No change	=====	Non-Hispanic, White	32.1	33.8	5.3	Same
	Non-Hispanic, API	2016	22.5	2019	19.2	-6.1	No change	=====			19.2	-40.2	Better
	Non-Hispanic, Black	2016	33.8	2019	32.3	-2.8	No change	=====			32.3	0.6	Same
Income	400% of PG or more	2016	27.8	2019	27.8	-1.4	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	46.6	2019	40.0	-5.9	No change	=====	400% of PG or more	27.8	40.0	43.9	Worse
	100-199% of PG	2016	36.0	2019	32.2	-4.5	No change	=====			32.2	15.8	Same
	200-399% of PG	2016	34.1	2019	34.3	-0.8	No change	=====			34.3	23.4	Same
Metropolitan status	Large fringe metro	2016	32.8	2019	32.2	-2.2	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	42.2	2019	38.0	-3.9	No change	=====	Large fringe metro	32.2	38.0	18.0	Same
	Medium metro	2016	38.5	2019	36.3	-2.8	No change	=====			36.3	12.7	Same
	Small metro	2016	28.0	2019	28.6	-0.7	No change	=====			28.6	-11.2	Same
	Micropolitan	2016	30.7	2019	25.9	-7.1	No change	=====			25.9	-19.6	Same
	Noncore	2016	34.3	2019	27.6	-8.6	No change	=====			27.6	-14.3	Same
Age	0-4	2016	88.6	2019	86.9	-1.8	No change	=====	=====	=====	=====	=====	=====
	5-9	2016	24.3	2019	20.9	-6.0	No change	=====	0-4	86.9	20.9	-75.9	Better
	10-14	2016	13.3	2019	10.9	-7.2	Improving	=====			10.9	-87.5	Better
	15-17	2016	15.4	2019	12.3	-7.4	Improving	=====			12.3	-85.8	Better
Gender	Male	2016	38.7	2019	35.5	-3.7	No change	=====	=====	=====	=====	=====	=====
	Female	2016	34.2	2019	32.1	-3.4	No change	=====	Male	35.5	32.1	-9.6	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Healthy Living

Many illnesses associated with chronic conditions are related to unhealthy behaviors, environmental hazards, and poor social supports. These illnesses can be prevented by increasing access to effective clinical preventive services and promoting community interventions that advance public and population health. Working with communities is critical to ensure that immunizations and early detection and prevention services reach everyone who needs them and to build healthy neighborhoods and support networks.

Importance

Promoting healthy lifestyles that prevent disease and disability is better for people and more efficient than treating conditions after organ damage has occurred. Healthy living is supported through preventive care strategies that cross all age groups and the care continuum. Among the most impactful preventive strategies are vaccinations for children and prenatal care.

Advances in medical science protect children against more diseases than ever before. Some diseases that once injured or killed thousands of children have been eradicated completely and others are close to eradication, primarily due to safe and effective vaccines. Polio is one example of the great impact vaccines have had in the United States. Polio was once America's most feared disease, causing death and paralysis across the country, but today, thanks to vaccination, there are no reports of polio in the United States.¹

A strong body of research shows the cost-effectiveness of immunization; however, opportunities still exist for providers, patients, and systems to optimize immunization participation. It is less expensive to prevent a disease using immunization than to treat it. In a 2005 study on the economic impact of routine childhood immunization in the United States, researchers estimated that for every dollar spent, the vaccination program saved more than \$5 in direct costs and approximately \$11 in additional costs to society.^{2,3}

-
1. One case was reported in New York in 2022, in an unvaccinated individual.
 2. Zhou F, Santoli J, Messonnier ML, Yusuf HR, Shefer A, Chu SY, Rodewald L, Harpaz R. Economic evaluation of the 7-vaccine routine childhood immunization schedule in the United States, 2001. *Arch Pediatr Adolesc Med*. 2005 Dec;159(12):1136-44. <https://www.ncbi.nlm.nih.gov/pubmed/16330737>. Accessed September 21, 2022.
 3. Leidner AJ, Murthy N, Chesson HW, Biggerstaff M, Stoecker C, Harris AM, Acosta A, Dooling K, Bridges CB. Cost-effectiveness of adult vaccinations: a systematic review. *Vaccine* 2019;37(2):226-34. <https://doi.org/10.1016/j.vaccine.2018.11.056>. Accessed September 21, 2022.



Key Findings

Healthy living measures that improved overall include:

- Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis since the age of 10 years.
- Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine.
- Home health care patients who had influenza vaccination during flu season.
- Long-stay nursing home residents with physical restraints.
- Home health care patients whose ability to get in and out of bed improved.

Healthy living measures that worsened overall include:

- Long-stay nursing home residents who were assessed for pneumococcal vaccination.
- Children ages 2-19 with obesity.

Healthy living measures that showed disparities include:

- Children ages 5-17 with untreated dental caries.
- Adults without hypertension who had their blood pressure measured in the past 2 years.
- Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine.
- Children ages 19-35 months who received 1 or more doses of varicella vaccine.
- Children ages 0-17 with a wellness checkup in the past 12 months.

Chapter: Healthy Living
Section: Maternal and Child Health

Appendix Table 7.1. Measure: Live-born infants with low birth weight (less than 2,500 g)

Source: National Vital Statistics System - Natality

Benchmark was not available.

Disparity Year: 2020

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2007	8.2	2020	8.2	0.1	No change	=====	=====	=====	=====	=====	=====
Race	White	2018	7.1	2020	7.0	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2018	8.0	2020	7.9	-----	-----	=====	White	7.0	7.9	12.9	Worse
	Asian	2019	8.7	2020	8.5	-----	-----	=====			8.5	21.4	Worse
	API	2018	8.6	2018	8.6	-----	-----	=====			-----	-----	-----
	NHPI	2019	7.5	2020	8.3	-----	-----	=====			8.3	18.6	Worse
	Black	2018	13.5	2020	13.8	-----	-----	=====			13.8	97.1	Worse
Ethnicity	Non-Hispanic, White	2018	6.9	2020	6.8	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2018	7.5	2020	7.4	-----	-----	=====	Non-Hispanic, White	6.8	7.4	8.8	Same
	Non-Hispanic, all races	2018	8.5	2020	8.5	-----	-----	=====			8.5	25.0	Worse
	Non-Hispanic, AI/AN	2020	7.9	2020	7.9	-----	-----	=====			7.9	16.2	Worse
	Non-Hispanic, Asian	2020	8.5	2020	8.5	-----	-----	=====			8.5	25.0	Worse
	Non-Hispanic, NHPI	2020	8.4	2020	8.4	-----	-----	=====			8.4	23.5	Worse
	Non-Hispanic, Black	2018	13.9	2020	14.2	-----	-----	=====			14.2	108.8	Worse
Metropolitan status	Large fringe metro	2013	7.7	2020	7.8	0.4	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2013	8.0	2020	8.2	0.5	No change	=====	Large fringe metro	7.8	8.2	5.1	Same
	Large central metro	2013	8.2	2020	8.4	0.5	No change	=====			8.4	7.7	Same
	Medium metro	2013	8.1	2020	8.4	0.7	No change	=====			8.4	7.7	Same
	Small metro	2013	7.8	2020	8.2	0.8	No change	=====			8.2	5.1	Same
	Micropolitan	2013	8.1	2020	8.4	0.6	No change	=====			8.4	7.7	Same
	Noncore	2013	8.0	2020	8.4	0.8	No change	=====			8.4	7.7	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	25-29	2007	7.4	2020	7.8	0.5	No change	=====	=====	=====	=====	=====	=====
	Under 15	2007	12.4	2020	13.5	0.2	No change	=====	25-29	7.8	13.5	73.1	Worse
	15-19	2007	9.8	2020	10.1	0.4	No change	=====			10.1	29.5	Worse
	20-24	2007	8.3	2020	8.6	0.4	No change	=====			8.6	10.3	Worse
	30-34	2007	7.6	2020	7.7	0.1	No change	=====			7.7	-1.3	Same
	35 and over	2007	9.3	2020	9.0	-0.2	No change	=====			9.0	15.4	Worse
Gender	Male	2007	7.6	2020	7.5	0.0	No change	=====	=====	=====	=====	=====	=====
	Female	2007	8.9	2020	9.0	0.2	No change	=====	Male	7.5	9.0	20.0	Worse
Education	Some college	2016	8.1	2020	7.4	-2.8	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2016	9.4	2020	9.7	0.8	No change	=====	Some college	7.4	9.7	31.1	Worse
	High school graduate	2016	9.1	2020	9.4	0.7	No change	=====			9.4	27.0	Worse

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.2 Measure: Women with a live birth in the last 12 months who received early and at least adequate prenatal care

Source: National Vital Statistics System - Natality

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2018	76.4	2020	74.7	-----	-----	=====	=====	=====	=====	=====	=====
Race	White	2018	78.4	2020	76.7	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2018	62.2	2020	60.2	-----	-----	=====	White	76.7	60.2	70.8	Worse
	Asian	2019	78.8	2020	76.2	-----	-----	=====			76.2	2.1	Same
	API	2018	77.3	2020	74.9	-----	-----	=====			74.9	7.7	Same
	NHPI	2019	51.9	2020	50.9	-----	-----	=====			50.9	110.7	Worse
	Black	2018	67.8	2020	67.3	-----	-----	=====			67.3	40.3	Worse
Ethnicity	Non-Hispanic, White	2018	81.1	2020	79.6	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2018	71.8	2020	69.5	-----	-----	=====	Non-Hispanic, White	79.6	69.5	49.5	Worse
	Non-Hispanic, all races	2018	77.9	2020	76.4	-----	-----	=====			76.4	15.7	Worse
	Non-Hispanic, AI/AN	2020	59.1	2020	59.1	-----	-----	=====			59.1	100.5	Worse
	Non-Hispanic, Asian	2020	76.5	2020	76.5	-----	-----	=====			76.5	15.2	Worse
	Non-Hispanic, NHPI	2020	47.1	2020	47.1	-----	-----	=====			47.1	159.3	Worse
	Non-Hispanic, Black	2018	67.8	2020	67.3	-----	-----	=====			67.3	60.3	Worse
Metropolitan status	Large fringe metro	2018	77.7	2020	75.9	-----	-----	=====	=====	=====	=====	=====	=====
	Metropolitan	2018	76.3	2020	74.5	-----	-----	=====	Large fringe metro	75.9	74.5	5.8	Same
	Large central metro	2018	74.5	2020	71.9	-----	-----	=====			71.9	16.6	Worse
	Medium metro	2018	77.3	2020	76.0	-----	-----	=====			76.0	-0.4	Same
	Small metro	2018	77.2	2020	76.7	-----	-----	=====			76.7	-3.3	Same
	Micropolitan	2018	77.2	2020	76.3	-----	-----	=====			76.3	-1.7	Same
	Noncore	2018	76.2	2020	75.3	-----	-----	=====			75.3	2.5	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	25-29	2018	76.5	2020	74.8	-----	-----	=====	=====	=====	=====	=====	=====
	Under 15	2018	37.9	2020	36.4	-----	-----	=====	25-29	74.8	36.4	152.4	Worse
	15-19	2018	63.3	2020	62.3	-----	-----	=====			62.3	49.6	Worse
	20-24	2018	70.7	2020	70.0	-----	-----	=====			70.0	19.0	Worse
	30-34	2018	80.0	2020	77.6	-----	-----	=====			77.6	-11.1	Better
	35 and over	2018	80.1	2020	77.5	-----	-----	=====			77.5	-10.7	Better
Gender	Male	2018	76.4	2020	74.7	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2018	76.4	2020	74.7	-----	-----	=====	Male	74.7	74.7	0.0	Same
Education	Some college	2018	78.6	2020	79.9	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2018	61.7	2020	59.0	-----	-----	=====	Some college	79.9	59.0	104.0	Worse
	High school graduate	2018	72.2	2020	70.8	-----	-----	=====			70.8	45.3	Worse

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.3. Measure: Infant mortality per 1,000 live births, birth weight less than 1,500 grams

Source: National Vital Statistics System - Linked Birth and Infant Death Data

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	244.3	2019	203.5	-1.1	Improving	=====	=====	=====	=====	=====	=====
Race	White	2019	200.2	2019	200.2	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2019	216.2	2019	216.2	-----	-----	=====	White	200.2	216.2	8.0	Same
	Asian	2019	188.0	2019	188.0	-----	-----	=====			188.0	-6.1	Same
	API	2019	194.0	2019	194.0	-----	-----	=====			194.0	-3.1	Same
	NHPI	2019	289.5	2019	289.5	-----	-----	=====			289.5	44.6	Same
	Black	2019	211.9	2019	211.9	-----	-----	=====			211.9	5.8	Same
Ethnicity	Non-Hispanic, White	2019	195.1	2019	195.1	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2019	202.2	2019	202.2	-----	-----	=====	Non-Hispanic, White	195.1	202.2	3.6	Same
	Non-Hispanic, all races	2019	200.9	2019	200.9	-----	-----	=====			200.9	3.0	Same
	Non-Hispanic, AI/AN	2019	209.1	2019	209.1	-----	-----	=====			209.1	7.2	Same
	Non-Hispanic, Asian	2019	184.1	2019	184.1	-----	-----	=====			184.1	-5.6	Same
	Non-Hispanic, NHPI	2019	286.7	2019	286.7	-----	-----	=====			286.7	47.0	Same
	Non-Hispanic, Black	2019	209.9	2019	209.9	-----	-----	=====			209.9	7.6	Same
Metropolitan status	Large fringe metro	2013	209.5	2019	202.6	-0.8	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2013	222.5	2019	199.2	-1.5	Improving	=====	Large fringe metro	202.6	199.2	-1.7	Same
	Medium metro	2013	229.9	2019	206.0	-1.6	Improving	=====			206.0	1.7	Same
	Small metro	2013	215.4	2019	210.4	-0.9	No change	=====			210.4	3.8	Same
	Micropolitan	2013	216.3	2019	216.3	-0.6	No change	=====			216.3	6.8	Same
	Noncore	2013	215.4	2019	193.9	-1.6	Improving	=====			193.9	-4.3	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	25-29	2000	250.9	2019	209.6	-0.9	No change	=====	=====	=====	=====	=====	=====
	Under 15	2000	283.5	2016	325.6	0.0	No change	=====	25-29	209.6	-----	-----	-----
	15-19	2000	264.4	2019	225.2	-1.0	Improving	=====			225.2	7.4	Same
	20-24	2000	258.3	2019	213.8	-1.1	Improving	=====			213.8	2.0	Same
	30-34	2000	225.1	2019	199.1	-1.0	No change	=====			199.1	-5.0	Same
	35 and over	2000	218.9	2019	186.4	-1.1	Improving	=====			186.4	-11.1	Better
Gender	Male	2000	263.7	2019	225.2	-1.1	Improving	=====	=====	=====	=====	=====	=====
	Female	2000	223.7	2019	181.6	-1.1	Improving	=====	Male	225.2	181.6	-19.4	Better
Education	Some college	2018	187.0	2019	185.7	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2018	203.7	2019	197.2	-----	-----	=====	Some college	185.7	197.2	6.2	Same
	High school graduate	2018	216.1	2019	213.1	-----	-----	=====			213.1	14.8	Worse

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.4. Measure: Infant mortality per 1,000 live births, birth weight 1,500-2,499 grams

Source: National Vital Statistics System - Linked Birth and Infant Death Data

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	15.8	2019	12.8	-1.0	Improving	=====	=====	=====	=====	=====	=====
Race	White	2019	13.2	2019	13.2	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2019	15.3	2019	15.3	-----	-----	=====	White	13.2	15.3	15.9	Same
	Asian	2019	6.3	2019	6.3	-----	-----	=====			6.3	-52.3	Better
	API	2019	6.4	2019	6.4	-----	-----	=====			6.4	-51.5	Better
	Black	2019	13.6	2019	13.6	-----	-----	=====			13.6	3.0	Same
Ethnicity	Non-Hispanic, White	2019	13.1	2019	13.1	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2019	13.0	2019	13.0	-----	-----	=====	Non-Hispanic, White	13.1	13.0	-0.8	Same
	Non-Hispanic, all races	2019	12.6	2019	12.6	-----	-----	=====			12.6	-3.8	Same
	Non-Hispanic, AI/AN	2019	16.2	2019	16.2	-----	-----	=====			16.2	23.7	Same
	Non-Hispanic, Asian	2019	6.0	2019	6.0	-----	-----	=====			6.0	-54.2	Better
	Non-Hispanic, Black	2000	15.9	2019	13.7	-----	-----	=====			13.7	4.6	Same
Metropolitan status	Large fringe metro	2013	11.8	2019	11.5	0.2	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2013	12.3	2019	11.2	-1.1	Improving	=====	Large fringe metro	11.5	11.2	-2.6	Same
	Medium metro	2013	13.8	2019	14.1	0.4	No change	=====			14.1	22.6	Worse
	Small metro	2013	14.4	2019	14.4	-0.4	No change	=====			14.4	25.2	Worse
	Micropolitan	2013	16.6	2019	15.1	-0.8	No change	=====			15.1	31.3	Worse
	Noncore	2013	17.7	2019	15.9	0.0	No change	=====			15.9	38.3	Worse
Age	25-29	2000	15.5	2019	13.1	-0.7	No change	=====	=====	=====	=====	=====	=====
	15-19	2000	17.1	2019	15.3	-0.6	No change	=====	25-29	13.1	15.3	16.8	Worse
	20-24	2000	16.4	2019	15.1	-0.8	No change	=====			15.1	15.3	Worse
	30-34	2000	14.2	2019	10.5	-1.0	No change	=====			10.5	-19.8	Better
	35 and over	2000	15.9	2019	12.4	-1.0	Improving	=====			12.4	-5.3	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Gender	Male	2000	17.9	2019	14.0	-1.1	Improving	=====	=====	=====	=====	=====	=====
	Female	2000	13.9	2019	11.7	-0.9	No change	=====	Male	14.0	11.7	-16.4	Better
Education	Some college	2018	10.8	2019	10.4	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2018	17.5	2019	17.4	-----	-----	=====	Some college	10.4	17.4	67.3	Worse
	High school graduate	2018	14.8	2019	14.2	-----	-----	=====			14.2	36.5	Worse

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.5. Measure: Infant mortality per 1,000 live births, birth weight 2,500 grams or more

Source: National Vital Statistics System - Linked Birth and Infant Death Data

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2001	2.4	2019	2.0	-1.0	No change	=====	=====	=====	=====	=====	=====
Race	White	2019	1.8	2019	1.8	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2019	3.9	2019	3.9	-----	-----	=====	White	1.8	3.9	116.7	Worse
	Asian	2019	1.0	2019	1.0	-----	-----	=====			1.0	-44.4	Better
	API	2019	1.1	2019	1.1	-----	-----	=====			1.1	-38.9	Better
	NHPI	2019	3.4	2019	3.4	-----	-----	=====			3.4	88.9	Worse
	Black	2019	3.1	2019	3.1	-----	-----	=====			3.1	72.2	Worse
Ethnicity	Non-Hispanic, White	2019	1.8	2019	1.8	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2019	1.7	2019	1.7	-----	-----	=====	Non-Hispanic, White	1.8	1.7	-5.6	Same
	Non-Hispanic, all races	2019	2.0	2019	2.0	-----	-----	=====			2.0	11.1	Worse
	Non-Hispanic, AI/AN	2019	4.4	2019	4.4	-----	-----	=====			4.4	144.4	Worse
	Non-Hispanic, Asian	2019	0.9	2019	0.9	-----	-----	=====			0.9	-50.0	Better
	Non-Hispanic, NHPI	2019	4.0	2019	4.0	-----	-----	=====			4.0	122.2	Worse
	Non-Hispanic, Black	2019	3.2	2019	3.2	-----	-----	=====			3.2	77.8	Worse
Metropolitan status	Large fringe metro	2013	1.7	2019	1.6	-1.1	Improving	=====	=====	=====	=====	=====	=====
	Large central metro	2013	1.8	2019	1.8	0.0	No change	=====	Large fringe metro	1.6	1.8	12.5	Worse
	Medium metro	2013	2.2	2019	2.1	-0.5	No change	=====			2.1	31.3	Worse
	Small metro	2013	2.4	2019	2.4	-0.4	No change	=====			2.4	50.0	Worse
	Micropolitan	2013	2.6	2019	2.6	-0.1	No change	=====			2.6	62.5	Worse
	Noncore	2013	3.0	2019	2.7	-1.5	No change	=====			2.7	68.8	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	25-29	2001	2.1	2019	2.0	-0.1	No change	=====	=====	=====	=====	=====	=====
	15-19	2001	3.9	2019	3.8	-0.7	No change	=====	25-29	2.0	3.8	90.0	Worse
	20-24	2001	3.1	2019	2.8	-0.6	No change	=====			2.8	40.0	Worse
	30-34	2001	1.6	2019	1.4	-0.6	No change	=====			1.4	-30.0	Better
	35 and over	2001	1.9	2019	1.5	-1.2	Improving	=====			1.5	-25.0	Better
Gender	Male	2001	2.7	2019	2.2	-1.3	Improving	=====	=====	=====	=====	=====	=====
	Female	2001	2.1	2019	1.7	-1.1	Improving	=====	Male	2.2	1.7	-22.7	Better
Education	Some college	2018	1.4	2019	1.4	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2018	3.1	2019	2.9	-----	-----	=====	Some college	1.4	2.9	107.1	Worse
	High school graduate	2018	2.7	2019	2.6	-----	-----	=====			2.6	85.7	Worse

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.6. Measure: Composite measure: Infant mortality per 1,000 live births, all birth weights

Source: National Vital Statistics System - Linked Birth and Infant Death Data

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	6.9	2019	5.6	-1.2	Improving	=====	=====	=====	=====	=====	=====
Race	White	2019	4.7	2019	4.7	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2019	7.6	2019	7.6	-----	-----	=====	White	4.7	7.6	61.7	Worse
	Asian	2019	3.5	2019	3.5	-----	-----	=====			3.5	-25.5	Better
	API	2019	3.7	2019	3.7	-----	-----	=====			3.7	-21.3	Better
	NHPI	2019	7.7	2019	7.7	-----	-----	=====			7.7	63.8	Worse
	Black	2019	10.4	2019	10.4	-----	-----	=====			10.4	121.3	Worse
Ethnicity	Non-Hispanic, White	2019	4.5	2019	4.5	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2019	5.0	2019	5.0	-----	-----	=====	Non-Hispanic, White	4.5	5.0	11.1	Worse
	Non-Hispanic, all races	2019	5.7	2019	5.7	-----	-----	=====			5.7	26.7	Worse
	Non-Hispanic, AI/AN	2019	7.9	2019	7.9	-----	-----	=====			7.9	75.6	Worse
	Non-Hispanic, Asian	2019	3.4	2019	3.4	-----	-----	=====			3.4	-24.4	Better
	Non-Hispanic, NHPI	2019	8.2	2019	8.2	-----	-----	=====			8.2	82.2	Worse
	Non-Hispanic, Black	2019	10.6	2019	10.6	-----	-----	=====			10.6	135.6	Worse
Metropolitan status	Large fringe metro	2013	5.2	2019	5.0	-1.0	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2013	5.9	2019	5.4	-1.0	Improving	=====	Large fringe metro	5.0	5.4	8.0	Same
	Medium metro	2013	6.4	2019	5.9	-1.1	Improving	=====			5.9	18.0	Worse
	Small metro	2013	6.1	2019	6.1	-0.3	No change	=====			6.1	22.0	Worse
	Micropolitan	2013	6.5	2019	6.4	-0.4	No change	=====			6.4	28.0	Worse
	Noncore	2013	7.0	2019	6.2	-1.3	Improving	=====			6.2	24.0	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	25-29	2000	6.1	2019	5.5	-0.6	No change	=====	=====	=====	=====	=====	=====
	Under 15	2000	17.7	2019	15.2	-0.8	No change	=====	25-29	5.5	15.2	176.4	Worse
	15-19	2000	9.8	2019	8.6	-1.0	Improving	=====			8.6	56.4	Worse
	20-24	2000	7.6	2019	6.8	-0.7	No change	=====			6.8	23.6	Worse
	30-34	2000	5.6	2019	4.6	-1.1	Improving	=====			4.6	-16.4	Better
	35 and over	2000	6.6	2019	5.4	-1.3	Improving	=====			5.4	-1.8	Same
Gender	Male	2000	7.5	2019	6.1	-1.3	Improving	=====	=====	=====	=====	=====	=====
	Female	2000	6.2	2019	5.1	-1.2	Improving	=====	Male	6.1	5.1	-16.4	Better
Education	Some college	2018	4.3	2019	4.2	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2018	7.4	2019	7.2	-----	-----	=====	Some college	4.2	7.2	71.4	Worse
	High school graduate	2018	7.1	2019	7.0	-----	-----	=====			7.0	66.7	Worse

----- : Data were not available for the analysis. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.7. Measure: Infants born in the calendar year who received breastfeeding exclusively through 3 months

Source: National Immunization Survey

Benchmark was 63.6 in 2016.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2009	35.9	2018	46.3	-2.1	Improving	14 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2009	39.6	2018	50.6	-2.6	Improving	9 years	=====	=====	=====	=====	=====
	Hispanic, all races	2009	35.5	2018	42.6	-1.3	Improving	More than 20 years	Non-Hispanic, White	50.6	42.6	16.2	Worse
	Non-Hispanic, AI/AN	2009	27.1	2017	59.9	-5.3	Improving	1 year		-----	-----	-----	-----
	Non-Hispanic, Asian	2009	40.6	2018	50.0	-1.4	No change	No progress			50.0	1.2	Same
	Non-Hispanic, NHPI	2009	29.5	2017	58.1	-5.4	Improving	2 years			-----	-----	-----
	Non-Hispanic, Black	2009	24.2	2018	39.3	-2.5	Improving	14 years			39.3	22.9	Worse
	Non-Hispanic, multiple races	2009	33.8	2018	44.5	-2.2	Improving	15 years			44.5	12.3	Worse
Income	400% of PG or more	2009	47.6	2018	53.2	-1.7	Improving	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2009	27.8	2018	37.2	-1.8	Improving	More than 20 years	400% of PG or more	53.2	37.2	34.2	Worse
	100-199% of PG	2009	34.6	2018	43.8	-1.7	Improving	19 years			43.8	20.1	Worse
	200-399% of PG	2009	41.6	2018	50.8	-1.8	Improving	13 years			50.8	5.1	Same
Health insurance	Any private	2009	45.3	2018	54.8	-2.1	Improving	8 years	=====	=====	=====	=====	=====
	Public only	2009	27.9	2018	38.1	-1.9	Improving	20 years	Any private	54.8	38.1	36.9	Worse
	Other insurance	2009	40.8	2018	48.6	-1.9	No change	No progress			48.6	13.7	Worse
	Uninsured	2009	41.9	2018	39.7	-2.0	No change	No progress			39.7	33.4	Worse
Metropolitan status	Metropolitan	2009	36.6	2018	46.7	-1.9	Improving	15 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2009	32.5	2018	42.3	-2.1	Improving	16 years	Metropolitan	46.7	42.3	8.3	Same
Age	20-29	2009	31.5	2018	43.7	-2.5	Improving	13 years	=====	=====	=====	=====	=====
	Under 20	2009	22.0	2017	40.9	-3.9	Improving	8 years	20-29	43.7	-----	-----	-----
	30 and over	2009	40.0	2018	48.1	-1.6	Improving	18 years			48.1	-7.8	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Education	Some college	2009	43.8	2018	44.8	0.0	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2009	26.4	2018	33.4	-1.1	Improving	More than 20 years	Some college	44.8	33.4	20.7	Worse
	High school graduate	2009	28.9	2018	40.2	-2.1	Improving	17 years			40.2	8.3	Same
	College graduate or more	2009	48.7	2018	55.8	-1.8	Improving	9 years			55.8	-19.9	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Healthy Living
Section: Lifestyle Modification

Appendix Table 7.8. Measure: Adults who smoked and had a doctor's office or clinic visit in the last 12 months who received advice from their providers to quit smoking

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	56.6	2019	56.6	-----	-----	=====					
Race	White	2019	59.6	2019	59.6	-----	-----	=====					
	Black	2019	45.5	2019	45.5	-----	-----	=====	White	59.6	45.5	34.9	Worse
Ethnicity	Non-Hispanic, White	2019	62.5	2019	62.5	-----	-----	=====					
	Hispanic, all races	2019	44.3	2019	44.3	-----	-----	=====	Non-Hispanic, White	62.5	44.3	48.5	Worse
	Non-Hispanic, all races	2019	58.2	2019	58.2	-----	-----	=====			58.2	11.5	Same
	Non-Hispanic, Black	2019	45.3	2019	45.3	-----	-----	=====			45.3	45.9	Worse
Income	400% of PG or more	2019	55.0	2019	55.0	-----	-----	=====					
	Less than 100% of PG	2019	60.2	2019	60.2	-----	-----	=====	400% of PG or more	55.0	60.2	-11.6	Same
	100-199% of PG	2019	51.7	2019	51.7	-----	-----	=====			51.7	7.3	Same
	200-399% of PG	2019	59.2	2019	59.2	-----	-----	=====			59.2	-9.3	Same
Health insurance	Any private	2019	55.3	2019	55.3	-----	-----	=====					
	Public only	2019	62.6	2019	62.6	-----	-----	=====	Any private	55.3	62.6	-16.3	Better
Metropolitan status	Large fringe metro	2019	56.9	2019	56.9	-----	-----	=====					
	Metropolitan	2019	54.6	2019	54.6	-----	-----	=====	Large fringe metro	56.9	54.6	5.3	Same
	Large central metro	2019	50.4	2019	50.4	-----	-----	=====			50.4	15.1	Same
	Medium metro	2019	56.2	2019	56.2	-----	-----	=====			56.2	1.6	Same
	Small metro	2019	56.6	2019	56.6	-----	-----	=====			56.6	0.7	Same
	Nonmetropolitan	2019	65.6	2019	65.6	-----	-----	=====			65.6	-20.2	Same
	Micropolitan	2019	62.3	2019	62.3	-----	-----	=====			62.3	-12.5	Same
	Noncore	2019	70.2	2019	70.2	-----	-----	=====			70.2	-30.9	Better

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2019	51.8	2019	51.8	-----	-----	=====	=====	=====	=====	=====	=====
	45-64	2019	66.5	2019	66.5	-----	-----	=====	18-44	51.8	66.5	-30.5	Better
	65 and over	2019	54.2	2019	54.2	-----	-----	=====			54.2	-5.0	Same
Disability status	Without disability	2019	55.5	2019	55.5	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2019	63.0	2019	63.0	-----	-----	=====	Without disability	55.5	63.0	-16.9	Better
Gender	Male	2019	59.5	2019	59.5	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019	54.3	2019	54.3	-----	-----	=====	Male	59.5	54.3	12.8	Same
Education	Some college	2019	53.9	2019	53.9	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2019	57.8	2019	57.8	-----	-----	=====	Some college	53.9	57.8	-8.5	Same
	High school graduate	2019	59.7	2019	59.7	-----	-----	=====			59.7	-12.6	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.9. Measure: Adult smokers who received advice from health professional to quit

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	48.1	2020	48.1	-----	-----	=====					
Race	White	2020	48.6	2020	48.6	-----	-----	=====					
	Asian	2020	42.0	2020	42.0	-----	-----	=====	White	48.6	42.0	12.8	Same
	Black	2020	51.2	2020	51.2	-----	-----	=====			51.2	-5.1	Same
	Multiple races	2020	54.6	2020	54.6	-----	-----	=====			54.6	-11.7	Same
Ethnicity	Non-Hispanic, White	2020	49.8	2020	49.8	-----	-----	=====					
	Hispanic, all races	2020	32.9	2020	32.9	-----	-----	=====	Non-Hispanic, White	49.8	32.9	33.7	Worse
	Non-Hispanic, all races	2020	50.0	2020	50.0	-----	-----	=====			50.0	-0.4	Same
	Non-Hispanic, Asian	2020	41.9	2020	41.9	-----	-----	=====			41.9	15.7	Same
	Non-Hispanic, Black	2020	51.3	2020	51.3	-----	-----	=====			51.3	-3.0	Same
	Non-Hispanic, multiple races	2020	55.5	2020	55.5	-----	-----	=====			55.5	-11.4	Same
Income	400% of PG or more	2020	46.0	2020	46.0	-----	-----	=====					
	Less than 100% of PG	2020	51.5	2020	51.5	-----	-----	=====	400% of PG or more	46.0	51.5	-10.2	Same
	100-199% of PG	2020	50.0	2020	50.0	-----	-----	=====			50.0	-7.4	Same
	200-399% of PG	2020	47.6	2020	47.6	-----	-----	=====			47.6	-3.0	Same
Health insurance	Any private	2020	42.8	2020	42.8	-----	-----	=====					
	Public only	2020	55.7	2020	55.7	-----	-----	=====	Any private	42.8	55.7	-22.6	Better
	Uninsured	2020	32.1	2020	32.1	-----	-----	=====			32.1	18.7	Worse
Metropolitan status	Large fringe metro	2020	45.0	2020	45.0	-----	-----	=====					
	Metropolitan	2020	48.2	2020	48.2	-----	-----	=====	Large fringe metro	45.0	48.2	-5.8	Same
	Large central metro	2020	43.9	2020	43.9	-----	-----	=====			43.9	2.0	Same
	Medium metro	2020	52.4	2020	52.4	-----	-----	=====			52.4	-13.5	Better
	Small metro	2020	54.6	2020	54.6	-----	-----	=====			54.6	-17.5	Better
	Micropolitan	2020	48.7	2020	48.7	-----	-----	=====			48.7	-6.7	Same
	Noncore	2020	44.3	2020	44.3	-----	-----	=====			44.3	1.3	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2020	39.1	2020	39.1	-----	-----	=====	=====	=====	=====	=====	=====
	45-64	2020	56.6	2020	56.6	-----	-----	=====	18-44	39.1	56.6	-28.7	Better
	65 and over	2020	62.5	2020	62.5	-----	-----	=====			62.5	-38.4	Better
Disability status	Without disability	2020	45.6	2020	45.6	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2020	64.4	2020	64.4	-----	-----	=====	Without disability	45.6	64.4	-34.6	Better
Gender	Male	2020	48.2	2020	48.2	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2020	48.0	2020	48.0	-----	-----	=====	Male	48.2	48.0	0.4	Same
Education	Some college	2020	49.5	2020	49.5	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2020	52.9	2020	52.9	-----	-----	=====	Some college	49.5	52.9	-6.7	Same
	High school graduate	2020	52.0	2020	52.0	-----	-----	=====			52.0	-5.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.10. Measure: Adult current smokers who tried to quit for at least 1 day

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	56.0	2020	56.0	-----	-----	=====					
Race	White	2020	53.7	2020	53.7	-----	-----	=====					
	AI/AN	2020	48.7	2020	48.7	-----	-----	=====	White	53.7	48.7	10.8	Same
	Asian	2020	68.9	2020	68.9	-----	-----	=====			68.9	-32.8	Better
	Black	2020	63.1	2020	63.1	-----	-----	=====			63.1	-20.3	Better
	Multiple races	2020	61.5	2020	61.5	-----	-----	=====			61.5	-16.8	Same
Ethnicity	Non-Hispanic, White	2020	53.7	2020	53.7	-----	-----	=====					
	Hispanic, all races	2020	56.5	2020	56.5	-----	-----	=====	Non-Hispanic, White	53.7	56.5	-6.0	Same
	Non-Hispanic, all races	2020	55.8	2020	55.8	-----	-----	=====			55.8	-4.5	Same
	Non-Hispanic, AI/AN	2020	51.0	2020	51.0	-----	-----	=====			51.0	5.8	Same
	Non-Hispanic, Asian	2020	69.1	2020	69.1	-----	-----	=====			69.1	-33.3	Better
	Non-Hispanic, Black	2020	61.9	2020	61.9	-----	-----	=====			61.9	-17.7	Better
	Non-Hispanic, multiple races	2020	57.9	2020	57.9	-----	-----	=====			57.9	-9.1	Same
Income	400% of PG or more	2020	58.1	2020	58.1	-----	-----	=====					
	Less than 100% of PG	2020	56.6	2020	56.6	-----	-----	=====	400% of PG or more	58.1	56.6	3.6	Same
	100-199% of PG	2020	56.9	2020	56.9	-----	-----	=====			56.9	2.9	Same
	200-399% of PG	2020	53.5	2020	53.5	-----	-----	=====			53.5	11.0	Same
Health insurance	Any private	2020	57.3	2020	57.3	-----	-----	=====					
	Public only	2020	59.9	2020	59.9	-----	-----	=====	Any private	57.3	59.9	-6.1	Same
	Uninsured	2020	54.4	2020	54.4	-----	-----	=====			54.4	6.8	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2020	55.6	2020	55.6	-----	-----	=====	=====	=====	=====	=====	=====
	Metropolitan	2020	56.7	2020	56.7	-----	-----	=====	Large fringe metro	55.6	56.7	-2.5	Same
	Large central metro	2020	61.6	2020	61.6	-----	-----	=====			61.6	-13.5	Same
	Medium metro	2020	55.0	2020	55.0	-----	-----	=====			55.0	1.4	Same
	Small metro	2020	51.3	2020	51.3	-----	-----	=====			51.3	9.7	Same
	Micropolitan	2020	54.0	2020	54.0	-----	-----	=====			54.0	3.6	Same
	Noncore	2020	53.1	2020	53.1	-----	-----	=====			53.1	5.6	Same
Age	18-44	2020	61.6	2020	61.6	-----	-----	=====	=====	=====	=====	=====	=====
	45-64	2020	49.5	2020	49.5	-----	-----	=====	18-44	61.6	49.5	31.5	Worse
	65 and over	2020	49.8	2020	49.8	-----	-----	=====			49.8	30.7	Worse
Disability status	Without disability	2020	55.2	2020	55.2	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2020	61.3	2020	61.3	-----	-----	=====	Without disability	55.2	61.3	-13.6	Same
Gender	Male	2020	55.6	2020	55.6	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2020	56.3	2020	56.3	-----	-----	=====	Male	55.6	56.3	-1.6	Same
Education	Some college	2020	55.0	2020	55.0	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2020	53.5	2020	53.5	-----	-----	=====	Some college	55.0	53.5	3.3	Same
	High school graduate	2020	53.1	2020	53.1	-----	-----	=====			53.1	4.2	Same

----- : Data were not available for the analysis.
 ===== : Not applicable.
 More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.11. Measure: Adult smokers who quit successfully

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	8.5	2020	8.5	-----	-----	=====					
Race	White	2020	9.4	2020	9.4	-----	-----	=====					
	Black	2020	7.7	2020	7.7	-----	-----	=====	White	9.4	7.7	1.9	Same
Ethnicity	Non-Hispanic, White	2020	9.6	2020	9.6	-----	-----	=====					
	Hispanic, all races	2020	5.2	2020	5.2	-----	-----	=====	Non-Hispanic, White	9.6	5.2	4.9	Same
	Non-Hispanic, all races	2020	8.9	2020	8.9	-----	-----	=====			8.9	0.8	Same
	Non-Hispanic, Black	2020	7.8	2020	7.8	-----	-----	=====			7.8	2.0	Same
Income	400% of PG or more	2020	12.6	2020	12.6	-----	-----	=====					
	Less than 100% of PG	2020	5.7	2020	5.7	-----	-----	=====	400% of PG or more	12.6	5.7	7.9	Same
	100-199% of PG	2020	6.6	2020	6.6	-----	-----	=====			6.6	6.9	Same
	200-399% of PG	2020	8.1	2020	8.1	-----	-----	=====			8.1	5.1	Same
Health insurance	Any private	2020	12.0	2020	12.0	-----	-----	=====					
	Public only	2020	9.1	2020	9.1	-----	-----	=====	Any private	12.0	9.1	3.3	Same
	Uninsured	2020	3.7	2020	3.7	-----	-----	=====			3.7	9.4	Same
Metropolitan status	Large fringe metro	2020	8.3	2020	8.3	-----	-----	=====					
	Metropolitan	2020	9.1	2020	9.1	-----	-----	=====	Large fringe metro	8.3	9.1	-0.9	Same
	Large central metro	2020	11.0	2020	11.0	-----	-----	=====			11.0	-2.9	Same
	Medium metro	2020	8.2	2020	8.2	-----	-----	=====			8.2	0.1	Same
	Small metro	2020	8.9	2020	8.9	-----	-----	=====			8.9	-0.7	Same
	Micropolitan	2020	6.1	2020	6.1	-----	-----	=====			6.1	2.4	Same
	Noncore	2020	5.5	2020	5.5	-----	-----	=====			5.5	3.1	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2020	11.2	2020	11.2	-----	-----	=====	=====	=====	=====	=====	=====
	45-64	2020	5.1	2020	5.1	-----	-----	=====	18-44	11.2	5.1	6.9	Same
	65 and over	2020	5.7	2020	5.7	-----	-----	=====			5.7	6.2	Same
Disability status	Without disability	2020	8.5	2020	8.5	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2020	7.4	2020	7.4	-----	-----	=====	Without disability	8.5	7.4	1.2	Same
Gender	Male	2020	8.1	2020	8.1	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2020	8.8	2020	8.8	-----	-----	=====	Male	8.1	8.8	-0.8	Same
Education	Some college	2020	9.4	2020	9.4	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2020	5.8	2020	5.8	-----	-----	=====	Some college	9.4	5.8	4.0	Same
	High school graduate	2020	6.3	2020	6.3	-----	-----	=====			6.3	3.4	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.12. Measure: Adults who do not smoke now

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	57.1	2020	60.0	-----	-----	=====					
Race	White	2019	59.0	2020	62.5	-----	-----	=====					
	AI/AN	2019	51.1	2020	44.2	-----	-----	=====	White	62.5	44.2	48.8	Worse
	Asian	2019	59.3	2020	56.4	-----	-----	=====			56.4	16.3	Same
	Black	2019	42.2	2020	42.9	-----	-----	=====			42.9	52.3	Worse
	Multiple races	2019	46.5	2020	53.9	-----	-----	=====			53.9	22.9	Same
Ethnicity	Non-Hispanic, White	2019	58.8	2020	62.2	-----	-----	=====					
	Hispanic, all races	2019	59.7	2020	63.0	-----	-----	=====	Non-Hispanic, White	62.2	63.0	-2.1	Same
	Non-Hispanic, all races	2019	56.8	2020	59.6	-----	-----	=====			59.6	6.9	Same
	Non-Hispanic, AI/AN	2020	45.6	2020	45.6	-----	-----	=====			45.6	43.9	Worse
	Non-Hispanic, Asian	2020	56.1	2020	56.1	-----	-----	=====			56.1	16.1	Same
	Non-Hispanic, Black	2019	42.3	2020	41.9	-----	-----	=====			41.9	53.7	Worse
	Non-Hispanic, multiple races	2020	55.4	2020	55.4	-----	-----	=====			55.4	18.0	Same
Income	400% of PG or more	2019	70.9	2020	73.6	-----	-----	=====					
	Less than 100% of PG	2019	39.4	2020	40.7	-----	-----	=====	400% of PG or more	73.6	40.7	124.6	Worse
	100-199% of PG	2019	46.7	2020	49.3	-----	-----	=====			49.3	92.0	Worse
	200-399% of PG	2019	55.8	2020	58.4	-----	-----	=====			58.4	57.6	Worse
Health insurance	Any private	2019	60.6	2020	64.6	-----	-----	=====					
	Public only	2019	40.1	2020	42.9	-----	-----	=====	Any private	64.6	42.9	61.3	Worse
	Uninsured	2019	40.1	2020	40.8	-----	-----	=====			40.8	67.2	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2019	61.3	2020	62.9	-----	-----	=====	=====	=====	=====	=====	=====
	Metropolitan	2019	58.4	2020	62.1	-----	-----	=====	Large fringe metro	62.9	62.1	2.2	Same
	Large central metro	2019	57.8	2020	64.1	-----	-----	=====			64.1	-3.2	Same
	Medium metro	2019	57.4	2020	61.1	-----	-----	=====			61.1	4.9	Same
	Small metro	2019	54.7	2020	56.9	-----	-----	=====			56.9	16.2	Worse
	Micropolitan	2019	52.2	2020	51.6	-----	-----	=====			51.6	30.5	Worse
	Noncore	2019	47.3	2020	49.8	-----	-----	=====			49.8	35.3	Worse
Age	18-44	2019	49.4	2020	53.9	-----	-----	=====	=====	=====	=====	=====	=====
	45-64	2019	58.3	2020	62.1	-----	-----	=====	18-44	53.9	62.1	-17.8	Better
	65 and over	2019	82.5	2020	80.8	-----	-----	=====			80.8	-58.4	Better
Disability status	Without disability	2019	58.1	2020	61.1	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2019	47.7	2020	48.6	-----	-----	=====	Without disability	61.1	48.6	32.1	Worse
Gender	Male	2019	59.5	2020	60.4	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019	53.9	2020	59.4	-----	-----	=====	Male	60.4	59.4	2.5	Same
Education	Some college	2019	67.1	2020	70.7	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2019	44.7	2020	46.4	-----	-----	=====	Some college	70.7	46.4	82.9	Worse
	High school graduate	2019	52.5	2020	56.3	-----	-----	=====			56.3	49.1	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.13. Measure: People ages 2-19 years with obesity who had been told by a doctor or health professional that they were overweight

Source: National Health and Nutrition Examination Survey

Benchmark was not available.

Disparity Year: 2017-March 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2001-2004	39.3	2017-2020	51.4	-1.2	Improving	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2001-2004	38.7	2017-2020	49.0	-1.0	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2009-2012	48.9	2017-2020	55.5	-----	-----	=====	Non-Hispanic, White	49.0	55.5	-12.7	Same
	Non-Hispanic, all races	2001-2004	38.6	2017-2020	49.4	-1.0	No change	=====			49.4	-0.8	Same
	Non-Hispanic, Black	2001-2004	41.9	2017-2020	52.9	-0.7	No change	=====			52.9	-7.6	Same
Income	400% of PG or more	2001-2004	37.2	2017-2020	47.3	-----	-----	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2001-2004	45.8	2017-2020	50.0	-0.4	No change	=====	400% of PG or more	47.3	50.0	-5.1	Same
	100-199% of PG	2001-2004	41.1	2017-2020	52.1	-1.0	Improving	=====			52.1	-9.1	Same
	200-399% of PG	2001-2004	35.1	2017-2020	48.9	-1.2	No change	=====			48.9	-3.0	Same
Health insurance	Any private	2005-2008	38.2	2017-2020	44.1	-0.7	No change	=====	=====	=====	=====	=====	=====
	Insured	2005-2008	42.1	2017-2020	51.1	-1.3	No change	=====	Any private	44.1	51.1	-12.5	Same
	Public only	2005-2008	47.9	2017-2020	56.2	-1.3	No change	=====			56.2	-21.6	Better
	Uninsured	2005-2008	41.9	2013-2016	43.3	-----	-----	=====			-----	-----	-----
Gender	Male	2001-2004	38.6	2017-2020	47.6	-0.9	No change	=====	=====	=====	=====	=====	=====
	Female	2001-2004	40.2	2017-2020	55.9	-1.6	Improving	=====	Male	47.6	55.9	-15.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.14. Measure: Adults age 20 and over with obesity who had been told by a doctor or health professional that they were overweight

Source: National Health and Nutrition Examination Survey

Benchmark was not available.

Disparity Year: 2017-March 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2001-2004	64.5	2017-2020	73.3	-1.8	Improving	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2001-2004	66.9	2017-2020	75.4	-2.0	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2009-2012	60.0	2017-2020	71.5	-----	-----	=====	Non-Hispanic, White	75.4	71.5	15.9	Same
	Non-Hispanic, all races	2001-2004	65.0	2017-2020	73.6	-1.8	Improving	=====			73.6	7.3	Same
	Non-Hispanic, Asian	2013-2016	66.2	2017-2020	67.6	-----	-----	=====			67.6	31.7	Worse
	Non-Hispanic, Black	2001-2004	59.5	2017-2020	67.9	-1.4	Improving	=====			67.9	30.5	Worse
Income	400% of PG or more	2001-2004	68.5	2017-2020	76.6	-1.6	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2001-2004	63.0	2017-2020	69.9	-1.4	Improving	=====	400% of PG or more	76.6	69.9	28.6	Worse
	100-199% of PG	2001-2004	63.3	2017-2020	71.9	-1.8	Improving	=====			71.9	20.1	Same
	200-399% of PG	2001-2004	62.3	2017-2020	73.1	-2.3	Improving	=====			73.1	15.0	Same
Health insurance	Any private	2005-2008	67.6	2017-2020	74.8	-2.2	Improving	=====	=====	=====	=====	=====	=====
	Insured	2005-2008	68.4	2017-2020	74.6	-1.9	Improving	=====	Any private	74.8	74.6	0.8	Same
	Public only	2005-2008	72.4	2017-2020	74.1	-0.4	No change	=====			74.1	2.8	Same
	Uninsured	2005-2008	51.6	2017-2020	65.6	-2.7	Improving	=====			65.6	36.5	Worse
Age	20-44	2001-2004	57.4	2017-2020	70.6	-2.2	Improving	=====	=====	=====	=====	=====	=====
	45-64	2001-2004	69.3	2017-2020	77.6	-1.9	Improving	=====	20-44	70.6	77.6	-23.8	Better
	65 and over	2001-2004	76.8	2017-2020	73.6	0.1	No change	=====			73.6	-10.2	Same
Gender	Male	2001-2004	59.5	2017-2020	69.3	-1.7	Improving	=====	=====	=====	=====	=====	=====
	Female	2001-2004	69.1	2017-2020	77.3	-2.0	Improving	=====	Male	69.3	77.3	-26.1	Better
Education	Some college	2001-2004	69.2	2017-2020	76.9	-1.9	Improving	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2001-2004	60.7	2017-2020	59.7	0.0	No change	=====	Some college	76.9	59.7	74.5	Worse
	High school graduate	2001-2004	64.3	2017-2020	71.8	-1.2	Improving	=====			71.8	22.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.15. Measure: Children ages 2-19 with obesity

Source: National Health and Nutrition Examination Survey

Benchmark was not available.

Disparity Year: 2015-2018

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	1999-2002	14.8	2015-2018	18.9	1.3	Worsening	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	1999-2002	12.6	2015-2018	15.1	0.9	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2007-2010	21.1	2015-2018	25.7	-----	-----	=====	Non-Hispanic, White	15.1	25.7	70.2	Worse
	Non-Hispanic, Asian	2011-2014	8.6	2015-2018	9.8	-----	-----	=====			9.8	-35.1	Better
	Non-Hispanic, Black	1999-2002	18.1	2015-2018	23.1	1.1	No change	=====			23.1	53.0	Worse
Income	400% of PG or more	1999-2002	12.6	2015-2018	10.6	-0.7	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	1999-2002	17.6	2015-2018	23.9	1.6	Worsening	=====	400% of PG or more	10.6	23.9	125.5	Worse
	100-199% of PG	1999-2002	15.3	2015-2018	21.7	2.2	Worsening	=====			21.7	104.7	Worse
	200-399% of PG	1999-2002	14.0	2015-2018	18.4	1.3	No change	=====			18.4	73.6	Worse
Age	2-5	1999-2002	10.3	2015-2018	13.7	0.6	No change	=====	=====	=====	=====	=====	=====
	6-11	1999-2002	15.8	2015-2018	19.3	1.1	Worsening	=====	2-5	13.7	19.3	40.9	Worse
	12-19	1999-2002	16.0	2015-2018	20.9	1.7	Worsening	=====			20.9	52.6	Worse
Gender	Male	1999-2002	15.5	2015-2018	19.8	1.2	Worsening	=====	=====	=====	=====	=====	=====
	Female	1999-2002	14.1	2015-2018	17.9	1.4	Worsening	=====	Male	19.8	17.9	-9.6	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.16. Measure: Adults with obesity who do not spend half an hour or more in moderate or vigorous physical activity at least five times a week

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2018

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2011	59.9	2018	58.1	-0.9	No change	=====	=====	=====	=====	=====	=====
Race	White	2011	60.6	2018	58.6	-0.9	No change	=====	=====	=====	=====	=====	=====
	Asian	2011	61.8	2018	49.0	-3.6	Improving	=====	White	58.6	49.0	-16.4	Same
	Black	2011	58.2	2018	56.8	-1.1	No change	=====			56.8	-3.1	Same
	Multiple races	2011	56.0	2018	62.5	1.0	No change	=====			62.5	6.7	Same
Ethnicity	Non-Hispanic, White	2011	60.6	2018	57.5	-1.1	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2011	59.4	2018	61.8	0.0	No change	=====	Non-Hispanic, White	57.5	61.8	7.5	Same
	Non-Hispanic, all races	2011	60.0	2018	57.1	-1.2	Improving	=====			57.1	-0.7	Same
	Non-Hispanic, Asian	2018	47.5	2018	47.5	-----	-----	=====			47.5	-17.4	Same
	Non-Hispanic, Black	2011	58.6	2018	56.4	-1.2	Improving	=====			56.4	-1.9	Same
	Non-Hispanic, others	2018	61.0	2018	61.0	-----	-----	=====			61.0	6.1	Same
Income	400% of PG or more	2011	58.3	2018	57.8	-0.7	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2011	63.4	2018	62.6	-1.0	No change	=====	400% of PG or more	57.8	62.6	8.3	Same
	100-199% of PG	2011	61.1	2018	58.2	-1.2	Improving	=====			58.2	0.7	Same
	200-399% of PG	2011	59.2	2018	57.6	-0.8	No change	=====			57.6	-0.3	Same
Health insurance	Any private	2011	57.1	2018	56.0	-0.8	No change	=====	=====	=====	=====	=====	=====
	Public only	2011	64.7	2018	60.7	-1.7	Improving	=====	Any private	56.0	60.7	8.4	Same
	Uninsured	2011	55.3	2018	58.5	0.2	No change	=====			58.5	4.5	Same
Metropolitan status	Large fringe metro	2011	63.3	2018	59.7	-1.0	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2011	60.3	2018	58.8	-0.9	No change	=====	Large fringe metro	59.7	58.8	-1.5	Same
	Large central metro	2011	57.8	2018	59.2	-0.6	No change	=====			59.2	-0.8	Same
	Medium metro	2011	59.4	2018	56.9	-1.0	Improving	=====			56.9	-4.7	Same
	Small metro	2011	62.0	2018	59.8	-1.0	No change	=====			59.8	0.2	Same
	Nonmetropolitan	2011	58.5	2018	54.5	-1.5	Improving	=====			54.5	-8.7	Same
	Micropolitan	2011	57.3	2018	55.0	-1.0	No change	=====			55.0	-7.9	Same
	Noncore	2011	61.4	2018	53.9	-2.6	Improving	=====			53.9	-9.7	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2011	55.8	2018	56.9	-0.4	No change	=====	=====	=====	=====	=====	=====
	45-64	2011	61.7	2018	57.2	-1.5	Improving	=====	18-44	56.9	57.2	0.5	Same
	65 and over	2011	69.8	2018	63.6	-1.5	Improving	=====			63.6	11.8	Worse
Disability status	Without disability	2018	55.3	2018	55.3	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2018	68.2	2018	68.2	-----	-----	=====	Without disability	55.3	68.2	23.3	Worse
Gender	Male	2011	54.8	2018	53.0	-0.9	No change	=====	=====	=====	=====	=====	=====
	Female	2011	65.0	2018	62.5	-1.1	Improving	=====	Male	53.0	62.5	17.9	Worse
Education	Some college	2011	60.5	2018	58.3	-0.9	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2011	62.0	2018	60.9	-1.1	No change	=====	Some college	58.3	60.9	4.5	Same
	High school graduate	2011	57.9	2018	56.4	-0.8	No change	=====			56.4	-3.3	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.17. Measure: Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	30.0	2018	38.4	-1.8	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	30.4	2018	40.2	-1.9	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2002	12.8	2015	39.0	-3.3	Improving	=====	White	40.2	-----	-----	-----
	Asian	2002	27.7	2018	37.0	-2.5	Improving	=====			37.0	5.4	Same
	Black	2002	30.8	2018	30.9	-1.3	Improving	=====			30.9	15.6	Worse
	Multiple races	2002	25.8	2018	39.3	-2.2	Improving	=====			39.3	1.5	Same
Ethnicity	Non-Hispanic, White	2002	30.5	2018	39.5	-1.8	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	30.4	2018	41.0	-2.0	Improving	=====	Non-Hispanic, White	39.5	41.0	-2.5	Same
	Non-Hispanic, all races	2002	30.0	2018	37.4	-1.7	Improving	=====			37.4	3.5	Same
	Non-Hispanic, Asian	2002	27.6	2018	38.0	-2.6	Improving	=====			38.0	2.5	Same
	Non-Hispanic, Black	2002	30.5	2018	30.5	-1.3	Improving	=====			30.5	14.9	Worse
	Non-Hispanic, others	2002	20.5	2018	35.6	-2.0	Improving	=====			35.6	6.4	Same
Income	400% of PG or more	2002	36.4	2018	43.5	-1.8	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	27.5	2018	34.1	-1.6	Improving	=====	400% of PG or more	43.5	34.1	16.6	Worse
	100-199% of PG	2002	26.7	2018	37.4	-1.8	Improving	=====			37.4	10.8	Worse
	200-399% of PG	2002	28.2	2018	36.1	-2.0	Improving	=====			36.1	13.1	Worse
Health insurance	Any private	2002	31.6	2018	39.8	-2.0	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	28.1	2018	37.5	-1.7	Improving	=====	Any private	39.8	37.5	3.8	Same
	Uninsured	2002	22.5	2018	18.3	-0.6	No change	=====			18.3	35.7	Worse
Metropolitan status	Large fringe metro	2002	35.4	2018	43.9	-2.0	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	31.5	2018	39.6	-1.9	Improving	=====	Large fringe metro	43.9	39.6	7.7	Same
	Large central metro	2002	32.2	2018	39.0	-1.6	Improving	=====			39.0	8.7	Same
	Medium metro	2002	29.4	2018	37.1	-1.9	Improving	=====			37.1	12.1	Worse
	Small metro	2002	22.5	2018	35.2	-2.4	Improving	=====			35.2	15.5	Worse
	Nonmetropolitan	2002	22.0	2018	30.1	-1.5	Improving	=====			30.1	24.6	Worse
	Micropolitan	2002	21.9	2018	26.9	-1.4	Improving	=====			26.9	30.3	Worse
	Noncore	2002	22.2	2018	35.8	-1.6	Improving	=====			35.8	14.4	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	2-5	2002	25.0	2018	33.4	-1.4	Improving	=====	=====	=====	=====	=====	=====
	6-17	2002	31.6	2018	40.0	-2.0	Improving	=====	2-5	33.4	40.0	-9.9	Same
Gender	Male	2002	29.2	2018	38.2	-1.8	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	30.9	2018	38.6	-1.8	Improving	=====	Male	38.2	38.6	-0.6	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.18. Measure: Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	46.9	2018	52.0	-2.2	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	46.8	2018	53.4	-2.3	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2002	28.7	2015	58.2	-4.6	Improving	=====	White	53.4	-----	-----	-----
	Asian	2002	43.6	2018	50.1	-2.9	Improving	=====			50.1	7.1	Same
	Black	2002	49.1	2018	47.7	-1.7	Improving	=====			47.7	12.2	Worse
	Multiple races	2002	49.0	2018	51.1	-2.2	Improving	=====			51.1	4.9	Same
Ethnicity	Non-Hispanic, White	2002	47.2	2018	53.1	-2.2	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	45.5	2018	53.4	-2.5	Improving	=====	Non-Hispanic, White	53.1	53.4	-0.6	Same
	Non-Hispanic, all races	2002	47.2	2018	51.5	-2.1	Improving	=====			51.5	3.4	Same
	Non-Hispanic, Asian	2002	43.7	2018	50.4	-2.9	Improving	=====			50.4	5.8	Same
	Non-Hispanic, Black	2002	49.3	2018	47.4	-1.7	Improving	=====			47.4	12.2	Worse
	Non-Hispanic, others	2002	42.7	2018	48.9	-2.4	Improving	=====			48.9	9.0	Same
Income	400% of PG or more	2002	55.1	2018	58.8	-2.3	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	42.4	2018	48.4	-1.9	Improving	=====	400% of PG or more	58.8	48.4	25.2	Worse
	100-199% of PG	2002	44.1	2018	49.9	-2.4	Improving	=====			49.9	21.6	Worse
	200-399% of PG	2002	44.3	2018	48.6	-2.1	Improving	=====			48.6	24.8	Worse
Health insurance	Any private	2002	48.9	2018	52.9	-2.2	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	45.5	2018	52.2	-2.1	Improving	=====	Any private	52.9	52.2	1.5	Same
	Uninsured	2002	34.6	2018	30.0	-0.9	No change	=====			30.0	48.6	Worse
Metropolitan status	Large fringe metro	2002	51.0	2018	57.4	-2.6	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	48.5	2018	53.5	-2.3	Improving	=====	Large fringe metro	57.4	53.5	9.2	Same
	Large central metro	2002	50.3	2018	54.9	-2.0	Improving	=====			54.9	5.9	Same
	Medium metro	2002	45.2	2018	49.7	-2.2	Improving	=====			49.7	18.1	Worse
	Small metro	2002	42.8	2018	46.4	-2.7	Improving	=====			46.4	25.8	Worse
	Nonmetropolitan	2002	38.1	2018	42.0	-1.6	Improving	=====			42.0	36.2	Worse
	Micropolitan	2002	38.5	2018	39.8	-1.8	Improving	=====			39.8	41.3	Worse
	Noncore	2002	37.4	2018	46.0	-1.3	Improving	=====			46.0	26.8	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	2-5	2002	57.0	2018	57.7	-1.8	Improving	=====	=====	=====	=====	=====	=====
	6-17	2002	43.7	2018	50.1	-2.3	Improving	=====	2-5	57.7	50.1	18.0	Worse
Gender	Male	2002	44.9	2018	51.4	-2.4	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	49.0	2018	52.6	-2.0	Improving	=====	Male	51.4	52.6	-2.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.19. Measure: Adults with obesity

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2018

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	24.1	2018	32.4	1.7	Worsening	=====	=====	=====	=====	=====	=====
Race	White	2002	23.4	2018	32.3	2.0	Worsening	=====	=====	=====	=====	=====	=====
	AI/AN	2002	28.7	2018	38.4	1.8	Worsening	=====	White	32.3	38.4	18.9	Same
	Asian	2002	5.7	2018	11.8	2.7	Worsening	=====			11.8	-63.5	Better
	NHPI	2010	32.5	2012	37.2	-----	-----	=====			-----	-----	-----
	Black	2002	35.3	2018	41.5	1.0	No change	=====			41.5	28.5	Worse
	Multiple races	2002	29.4	2018	37.3	1.0	No change	=====			37.3	15.5	Same
Ethnicity	Non-Hispanic, White	2002	22.7	2018	32.1	2.0	Worsening	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	27.2	2018	32.9	1.3	Worsening	=====	Non-Hispanic, White	32.1	32.9	2.5	Same
	Non-Hispanic, all races	2002	23.7	2018	32.2	1.7	Worsening	=====			32.2	0.3	Same
	Non-Hispanic, Asian	2018	11.8	2018	11.8	-----	-----	=====			11.8	-63.2	Better
	Non-Hispanic, Black	2002	35.3	2018	41.7	1.0	No change	=====			41.7	29.9	Worse
	Non-Hispanic, others	2018	39.3	2018	39.3	-----	-----	=====			39.3	22.4	Worse
Income	400% of PG or more	2002	20.9	2018	28.5	1.9	Worsening	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	28.5	2018	32.5	1.0	Worsening	=====	400% of PG or more	28.5	32.5	14.0	Worse
	100-199% of PG	2002	27.3	2018	35.3	1.5	Worsening	=====			35.3	23.9	Worse
	200-399% of PG	2002	25.2	2018	36.4	1.9	Worsening	=====			36.4	27.7	Worse
Health insurance	Any private	2002	23.5	2018	32.5	1.7	Worsening	=====	=====	=====	=====	=====	=====
	Public only	2002	33.5	2018	38.6	0.6	No change	=====	Any private	32.5	38.6	18.8	Worse
	Uninsured	2002	24.8	2018	29.8	1.8	Worsening	=====			29.8	-8.3	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2002	22.8	2018	31.4	1.8	Worsening	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	23.4	2018	31.4	1.7	Worsening	=====	Large fringe metro	31.4	31.4	0.0	Same
	Large central metro	2002	23.1	2018	28.6	1.3	Worsening	=====			28.6	-8.9	Same
	Medium metro	2002	24.4	2018	33.9	2.0	Worsening	=====			33.9	8.0	Same
	Small metro	2002	24.0	2018	35.9	2.0	Worsening	=====			35.9	14.3	Worse
	Nonmetropolitan	2002	27.7	2018	39.8	2.2	Worsening	=====			39.8	26.8	Worse
	Micropolitan	2002	27.1	2018	37.3	2.3	Worsening	=====			37.3	18.8	Worse
	Noncore	2002	28.8	2018	44.0	1.9	Worsening	=====			44.0	40.1	Worse
Age	18-44	2002	22.1	2018	31.3	1.9	Worsening	=====	=====	=====	=====	=====	=====
	45-64	2002	28.9	2018	36.5	1.5	Worsening	=====	18-44	31.3	36.5	16.6	Worse
	65 and over	2002	21.7	2018	28.5	1.9	Worsening	=====			28.5	-8.9	Same
Disability status	Without disability	2018	30.4	2018	30.4	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2018	43.8	2018	43.8	-----	-----	=====	Without disability	30.4	43.8	44.1	Worse
Gender	Male	2002	23.6	2018	31.1	1.7	Worsening	=====	=====	=====	=====	=====	=====
	Female	2002	24.4	2018	33.6	1.8	Worsening	=====	Male	31.1	33.6	8.0	Same
Education	Some college	2002	20.7	2018	30.2	2.4	Worsening	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	26.9	2018	33.7	1.0	Worsening	=====	Some college	30.2	33.7	11.6	Worse
	High school graduate	2002	27.0	2018	36.7	1.7	Worsening	=====			36.7	21.5	Worse

----- : Data were not available for the analysis.
 ===== : Not applicable.
 More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.20. Measure: Adults age 20 and over with obesity

Source: National Health and Nutrition Examination Survey

Benchmark was not available.

Disparity Year: 2015-2018

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	1999-2002	30.4	2015-2018	41.0	1.7	Worsening	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	1999-2002	29.4	2015-2018	40.1	1.8	Worsening	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2007-2010	38.9	2015-2018	45.9	-----	-----	=====	Non-Hispanic, White	40.1	45.9	14.5	Worse
	Non-Hispanic, Asian	2011-2014	11.7	2015-2018	15.0	-----	-----	=====			15.0	-62.6	Better
	Non-Hispanic, Black	1999-2002	39.3	2015-2018	48.2	1.2	Worsening	=====			48.2	20.2	Worse
Income	400% of PG or more	1999-2002	26.0	2015-2018	38.7	2.1	Worsening	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	1999-2002	33.9	2015-2018	44.3	1.6	Worsening	=====	400% of PG or more	38.7	44.3	14.5	Worse
	100-199% of PG	1999-2002	33.9	2015-2018	42.4	1.6	Worsening	=====			42.4	9.6	Same
	200-399% of PG	1999-2002	31.8	2015-2018	43.0	1.7	Worsening	=====			43.0	11.1	Same
Age	20-44	1999-2002	27.3	2015-2018	39.2	2.1	Worsening	=====	=====	=====	=====	=====	=====
	45-64	1999-2002	35.8	2015-2018	44.0	1.2	Worsening	=====	20-44	39.2	44.0	12.2	Worse
	65 and over	1999-2002	29.6	2015-2018	40.2	1.9	Worsening	=====			40.2	2.6	Same
Gender	Male	1999-2002	27.5	2015-2018	40.5	2.1	Worsening	=====	=====	=====	=====	=====	=====
	Female	1999-2002	33.2	2015-2018	41.5	1.4	Worsening	=====	Male	40.5	41.5	2.5	Same
Education	Some college	1999-2002	28.8	2015-2018	40.7	2.0	Worsening	=====	=====	=====	=====	=====	=====
	Less than high school graduate	1999-2002	33.5	2015-2018	40.9	1.3	Worsening	=====	Some college	40.7	40.9	0.5	Same
	High school graduate	1999-2002	34.6	2015-2018	46.3	1.8	Worsening	=====			46.3	13.8	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.21. Measure: Adults who do not now spend half an hour or more in moderate or vigorous physical activity at least five times a week

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	43.4	2019	48.6	1.1	Worsening	=====	=====	=====	=====	=====	=====
Race	White	2002	42.1	2019	47.3	1.2	Worsening	=====	=====	=====	=====	=====	=====
	AI/AN	2002	50.4	2019	52.8	1.4	Worsening	=====	White	47.3	52.8	11.6	Same
	Asian	2002	49.7	2019	49.4	0.6	No change	=====			49.4	4.4	Same
	NHPI	2010	39.8	2012	51.8	-----	-----	=====			-----	-----	-----
	Black	2002	50.7	2019	55.8	0.6	No change	=====			55.8	18.0	Worse
	Multiple races	2002	41.5	2019	49.2	1.1	Worsening	=====			49.2	4.0	Same
Ethnicity	Non-Hispanic, White	2002	40.4	2019	45.2	1.3	Worsening	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	52.0	2019	55.0	0.5	No change	=====	Non-Hispanic, White	45.2	55.0	21.7	Worse
	Non-Hispanic, all races	2002	42.2	2019	47.2	1.2	Worsening	=====			47.2	4.4	Same
	Non-Hispanic, Asian	2002	49.9	2019	49.7	0.6	No change	=====			49.7	10.0	Same
	Non-Hispanic, Black	2002	50.9	2019	56.1	0.6	No change	=====			56.1	24.1	Worse
	Non-Hispanic, others	2002	42.5	2019	45.9	0.9	No change	=====			45.9	1.5	Same
Income	400% of PG or more	2002	38.2	2019	44.5	1.7	Worsening	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	54.4	2019	58.0	0.4	No change	=====	400% of PG or more	44.5	58.0	30.3	Worse
	100-199% of PG	2002	47.7	2019	52.6	0.6	No change	=====			52.6	18.2	Worse
	200-399% of PG	2002	43.7	2019	49.1	1.0	Worsening	=====			49.1	10.3	Worse
Health insurance	Any private	2002	39.7	2019	45.4	1.5	Worsening	=====	=====	=====	=====	=====	=====
	Public only	2002	56.7	2019	54.2	-0.3	No change	=====	Any private	45.4	54.2	19.4	Worse
	Uninsured	2002	44.5	2019	52.3	0.9	No change	=====			52.3	15.2	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2002	42.8	2019	49.6	1.4	Worsening	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	43.7	2019	49.1	1.1	Worsening	=====	Large fringe metro	49.6	49.1	-1.0	Same
	Large central metro	2002	44.6	2019	49.5	0.9	No change	=====			49.5	-0.2	Same
	Medium metro	2002	43.4	2019	47.7	1.2	Worsening	=====			47.7	-3.8	Same
	Small metro	2002	43.0	2019	49.0	1.1	Worsening	=====			49.0	-1.2	Same
	Nonmetropolitan	2002	41.7	2019	45.0	0.8	No change	=====			45.0	-9.3	Same
	Micropolitan	2002	42.4	2019	45.0	0.8	No change	=====			45.0	-9.3	Same
	Noncore	2002	40.3	2019	45.1	1.0	No change	=====			45.1	-9.1	Same
	Age	18-44	2002	39.7	2019	46.5	1.3	Worsening	=====	=====	=====	=====	=====
45-64		2002	45.8	2019	49.3	1.1	Worsening	=====	18-44	46.5	49.3	6.0	Same
65 and over		2002	50.5	2019	54.0	0.7	No change	=====			54.0	16.1	Worse
Disability status	Without disability	2013	47.1	2019	45.9	0.2	No change	=====	=====	=====	=====	=====	=====
	With disability	2013	60.8	2019	61.0	0.5	No change	=====	Without disability	45.9	61.0	32.9	Worse
Gender	Male	2002	39.6	2019	44.0	1.0	Worsening	=====	=====	=====	=====	=====	=====
	Female	2002	46.8	2019	52.9	1.2	Worsening	=====	Male	44.0	52.9	20.2	Worse
Education	Some college	2002	38.2	2019	46.9	1.9	Worsening	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	50.6	2019	53.5	0.4	No change	=====	Some college	46.9	53.5	14.1	Worse
	High school graduate	2002	45.3	2019	49.7	0.8	No change	=====			49.7	6.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.22. Measure: Adults ages 18 and over with obesity who had a physician office visit for counseling or education related to diet or nutrition

Source: National Ambulatory Medical Care Survey

Benchmark was not available.

Disparity Year: 2016 and 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2005-2007	36.7	2016 and 2018	28.7	0.9	No change	=====	=====	=====	=====	=====	=====
Race	White	2005-2007	36.4	2016 and 2018	30.4	0.8	No change	=====	=====	=====	=====	=====	=====
	Black	2005-2007	36.8	2016 and 2018	30.6	0.4	No change	=====	White	30.4	30.6	-0.3	Same
Ethnicity	Non-Hispanic, White	2005-2007	34.6	2016 and 2018	25.0	1.2	Worsening	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2005-2007	47.9	2016 and 2018	44.8	0.4	No change	=====	Non-Hispanic, White	25.0	44.8	-26.4	Better
	Non-Hispanic, all races	2005-2007	35.3	2016 and 2018	25.9	1.1	Worsening	=====			25.9	-1.2	Same
	Non-Hispanic, Black	2005-2007	37.0	2016 and 2018	30.2	0.4	No change	=====			30.2	-6.9	Same
Metropolitan status	Metropolitan	2005-2007	38.4	2016 and 2018	30.1	1.0	No change	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2005-2007	26.6	2014-2016	24.5	0.8	No change	=====	Metropolitan	30.1	-----	-----	-----
Age	18-44	2005-2007	41.7	2016 and 2018	27.7	1.6	Worsening	=====	=====	=====	=====	=====	=====
	45-64	2005-2007	34.9	2016 and 2018	30.9	0.6	No change	=====	18-44	27.7	30.9	-4.4	Same
	65 and over	2005-2007	33.0	2016 and 2018	26.1	0.6	No change	=====			26.1	2.2	Same
Gender	Male	2005-2007	37.5	2016 and 2018	30.5	1.1	No change	=====	=====	=====	=====	=====	=====
	Female	2005-2007	36.3	2016 and 2018	27.6	0.9	No change	=====	Male	30.5	27.6	4.2	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Healthy Living
Section: Functional Status Preservation and Rehabilitation

Appendix Table 7.23. Measure: Home health care patients whose ability to walk or move around improved

Source: Outcome and Assessment Information Set

Benchmark was 74.2 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	62.2	2020	81.0	-10.3	Improving	Reached	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	63.5	2020	82.0	-10.6	Improving	Reached	=====	=====	=====	=====	=====
	Hispanic, all races	2013	57.1	2020	74.0	-7.4	Improving	0 years	Non-Hispanic, White	82.0	74.0	44.4	Worse
	Non-Hispanic, AI/AN	2013	60.9	2020	78.8	-9.8	Improving	Reached			78.8	17.8	Worse
	Non-Hispanic, Asian	2013	60.9	2020	75.5	-7.5	Improving	Reached			75.5	36.1	Worse
	Non-Hispanic, NHPI	2013	62.4	2020	77.6	-8.1	Improving	Reached			77.6	24.4	Worse
	Non-Hispanic, Black	2013	58.5	2020	80.1	-10.6	Improving	Reached			80.1	10.6	Worse
	Non-Hispanic, multiple races	2013	54.1	2020	72.9	-8.2	Improving	0 years			72.9	50.6	Worse
Age	0-64	2013	61.8	2020	80.6	-9.8	Improving	Reached	=====	=====	=====	=====	=====
	65-74	2013	69.0	2020	84.9	-10.7	Improving	Reached	0-64	80.6	84.9	-22.2	Better
	75-84	2013	63.8	2020	82.3	-10.7	Improving	Reached			82.3	-8.8	Same
	85 and over	2013	54.6	2020	76.0	-9.6	Improving	Reached			76.0	23.7	Worse
Gender	Male	2013	63.7	2020	81.0	-9.7	Improving	Reached	=====	=====	=====	=====	=====
	Female	2013	61.4	2020	81.1	-10.6	Improving	Reached	Male	81.0	81.1	-0.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.24. Measure: Home health care patients whose ability to get in and out of bed improved

Source: Outcome and Assessment Information Set

Benchmark was 72.6 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	57.9	2020	82.6	-13.3	Improving	Reached	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	59.3	2020	83.7	-13.8	Improving	Reached	=====	=====	=====	=====	=====
	Hispanic, all races	2013	52.4	2020	75.1	-9.6	Improving	Reached	Non-Hispanic, White	83.7	75.1	52.8	Worse
	Non-Hispanic, AI/AN	2013	58.8	2020	80.3	-11.9	Improving	Reached			80.3	20.9	Worse
	Non-Hispanic, Asian	2013	54.9	2020	76.4	-10.0	Improving	Reached			76.4	44.8	Worse
	Non-Hispanic, NHPI	2013	59.2	2020	79.9	-10.6	Improving	Reached			79.9	23.3	Worse
	Non-Hispanic, Black	2013	54.1	2020	81.6	-13.4	Improving	Reached			81.6	12.9	Worse
	Non-Hispanic, multiple races	2013	50.6	2020	75.3	-10.7	Improving	Reached			75.3	51.5	Worse
Age	0-64	2013	58.9	2020	82.7	-12.6	Improving	Reached	=====	=====	=====	=====	=====
	65-74	2013	64.2	2020	85.8	-13.7	Improving	Reached	0-64	82.7	85.8	-17.9	Better
	75-84	2013	59.0	2020	83.6	-13.8	Improving	Reached			83.6	-5.2	Same
	85 and over	2013	50.6	2020	78.4	-12.6	Improving	Reached			78.4	24.9	Worse
Gender	Male	2013	58.8	2020	82.5	-12.8	Improving	Reached	=====	=====	=====	=====	=====
	Female	2013	57.4	2020	82.7	-13.5	Improving	Reached	Male	82.5	82.7	-1.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.25. Measure: Home health care patients whose bathing improved

Source: Outcome and Assessment Information Set

Benchmark was 78.2 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	68.3	2020	83.3	-9.7	Improving	Reached	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	69.1	2020	84.0	-10.0	Improving	Reached	=====	=====	=====	=====	=====
	Hispanic, all races	2013	66.4	2020	77.8	-6.5	Improving	0 years	Non-Hispanic, White	84.0	77.8	38.8	Worse
	Non-Hispanic, AI/AN	2013	67.1	2020	81.9	-9.4	Improving	Reached			81.9	13.1	Worse
	Non-Hispanic, Asian	2013	65.8	2020	78.6	-7.4	Improving	Reached			78.6	33.8	Worse
	Non-Hispanic, NHPI	2013	67.1	2020	79.7	-7.4	Improving	Reached			79.7	26.9	Worse
	Non-Hispanic, Black	2013	65.1	2020	82.8	-10.4	Improving	Reached			82.8	7.5	Same
	Non-Hispanic, multiple races	2013	59.8	2020	76.3	-8.1	Improving	1 year			76.3	48.1	Worse
Age	0-64	2013	69.0	2020	84.1	-9.7	Improving	Reached	=====	=====	=====	=====	=====
	65-74	2013	75.5	2020	87.3	-10.0	Improving	Reached	0-64	84.1	87.3	-20.1	Better
	75-84	2013	69.7	2020	84.5	-10.2	Improving	Reached			84.5	-2.5	Same
	85 and over	2013	59.5	2020	77.6	-9.1	Improving	0 years			77.6	40.9	Worse
Gender	Male	2013	68.9	2020	83.3	-9.4	Improving	Reached	=====	=====	=====	=====	=====
	Female	2013	67.9	2020	83.3	-9.9	Improving	Reached	Male	83.3	83.3	0.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.26. Measure: Home health care patients who had improvement in toileting

Source: Outcome and Assessment Information Set

Benchmark was 78.9 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	69.1	2020	75.7	-4.2	Improving	3 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	70.7	2020	76.8	-4.1	Improving	2 years	=====	=====	=====	=====	=====
	Hispanic, all races	2013	63.2	2020	67.9	-2.9	Improving	11 years	Non-Hispanic, White	76.8	67.9	38.4	Worse
	Non-Hispanic, AI/AN	2013	69.2	2020	74.7	-3.7	Improving	4 years			74.7	9.1	Same
	Non-Hispanic, Asian	2013	63.1	2020	68.1	-2.9	Improving	11 years			68.1	37.5	Worse
	Non-Hispanic, NHPI	2013	66.6	2020	71.0	-2.8	Improving	9 years			71.0	25.0	Worse
	Non-Hispanic, Black	2013	65.7	2020	74.5	-4.8	Improving	3 years			74.5	9.9	Same
	Non-Hispanic, multiple races	2013	60.0	2020	66.5	-3.4	Improving	10 years			66.5	44.4	Worse
Age	0-64	2013	69.4	2020	77.8	-5.0	Improving	1 year	=====	=====	=====	=====	=====
	65-74	2013	76.5	2020	81.0	-3.9	Improving	Reached	0-64	77.8	81.0	-14.4	Better
	75-84	2013	70.8	2020	76.8	-4.1	Improving	2 years			76.8	4.5	Same
	85 and over	2013	61.3	2020	68.3	-3.6	Improving	8 years			68.3	42.8	Worse
Gender	Male	2013	69.0	2020	75.7	-4.1	Improving	3 years	=====	=====	=====	=====	=====
	Female	2013	69.2	2020	75.7	-4.2	Improving	3 years	Male	75.7	75.7	0.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.27. Measure: Long-stay nursing home residents whose need for help with daily activities increased

Source: Minimum Data Set

Benchmark was 17.1 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	22.8	2019	19.9	-2.3	Improving	6 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	23.1	2019	20.2	-2.3	Improving	6 years	=====	=====	=====	=====	=====
	Hispanic, all races	2013	21.7	2019	18.3	-3.0	Improving	2 years	Non-Hispanic, White	20.2	18.3	-9.4	Same
	Non-Hispanic, AI/AN	2013	22.4	2019	19.2	-2.5	Improving	4 years			19.2	-5.0	Same
	Non-Hispanic, Asian	2013	19.5	2019	16.9	-2.8	Improving	Reached			16.9	-16.3	Better
	Non-Hispanic, NHPI	2013	20.6	2019	17.3	-3.6	Improving	No progress			17.3	-14.4	Better
	Non-Hispanic, Black	2013	22.0	2019	19.5	-2.0	Improving	6 years			19.5	-3.5	Same
	Non-Hispanic, multiple races	2013	22.2	2019	18.6	-3.4	Improving	2 years			18.6	-7.9	Same
	Metropolitan status	Metropolitan	2013	22.4	2019	19.5	-2.4	Improving	5 years	=====	=====	=====	=====
Nonmetropolitan		2013	24.1	2019	21.2	-2.4	Improving	8 years	Metropolitan	19.5	21.2	8.7	Same
Age	0-64	2013	18.1	2019	15.8	-2.1	No change	No progress	=====	=====	=====	=====	=====
	65-74	2013	21.1	2019	18.5	-2.1	Improving	3 years	0-64	15.8	18.5	17.1	Worse
	75-84	2013	23.3	2019	20.9	-2.0	Improving	8 years			20.9	32.3	Worse
	85 and over	2013	24.5	2019	21.4	-2.4	Improving	8 years			21.4	35.4	Worse
Gender	Male	2013	21.8	2019	19.3	-2.1	Improving	5 years	=====	=====	=====	=====	=====
	Female	2013	23.3	2019	20.2	-2.4	Improving	6 years	Male	19.3	20.2	4.7	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.28. Measure: Long-stay nursing home residents whose ability to move independently worsened

Source: Minimum Data Set

Benchmark was 20.7 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	24.5	2019	23.2	-1.0	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	25.1	2019	23.8	-1.0	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2013	22.3	2019	20.6	-1.8	Improving	Reached	Non-Hispanic, White	23.8	20.6	-13.4	Better
	Non-Hispanic, AI/AN	2013	22.5	2019	20.6	-1.8	No change	No progress			20.6	-13.4	Better
	Non-Hispanic, Asian	2013	20.1	2019	18.9	-1.4	Improving	No progress			18.9	-20.6	Better
	Non-Hispanic, NHPI	2013	19.8	2019	20.9	0.8	No change	No progress			20.9	-12.2	Same
	Non-Hispanic, Black	2013	22.8	2019	22.2	-0.5	No change	No progress			22.2	-6.7	Same
	Non-Hispanic, multiple races	2013	21.8	2019	20.2	-0.8	No change	No progress			20.2	-15.1	Better
Metropolitan status	Metropolitan	2013	24.5	2019	23.1	-1.0	No change	No progress	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	24.7	2019	23.5	-1.1	Improving	No progress	Metropolitan	23.1	23.5	1.7	Same
Age	0-64	2013	17.8	2019	17.9	0.1	No change	No progress	=====	=====	=====	=====	=====
	65-74	2013	22.2	2019	21.2	-0.7	No change	No progress	0-64	17.9	21.2	18.4	Worse
	75-84	2013	25.4	2019	24.2	-1.0	Improving	No progress			24.2	35.2	Worse
	85 and over	2013	27.0	2019	25.4	-1.1	Improving	17 years			25.4	41.9	Worse
Gender	Male	2013	21.9	2019	21.1	-0.8	No change	No progress	=====	=====	=====	=====	=====
	Female	2013	25.8	2019	24.3	-1.1	Improving	No progress	Male	21.1	24.3	15.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Healthy Living
Section: Supportive and Palliative Care

Appendix Table 7.29. Measure: Long-stay nursing home residents with moderate to severe pain

Source: Minimum Data Set

Benchmark was 4.3 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	9.2	2019	7.0	-5.7	Improving	6 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	9.9	2019	8.1	-4.6	Improving	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2013	6.1	2019	3.0	-12.0	Improving	Reached	Non-Hispanic, White	8.1	3.0	-63.2	Better
	Non-Hispanic, AI/AN	2013	12.9	2019	11.9	-1.3	No change	No progress			11.9	47.6	Worse
	Non-Hispanic, Asian	2013	3.0	2019	1.7	-10.8	Improving	Reached			1.7	-79.3	Better
	Non-Hispanic, NHPI	2013	6.7	2019	4.6	-6.4	Improving	1 year			4.6	-42.7	Better
	Non-Hispanic, Black	2013	6.8	2019	4.2	-8.8	Improving	Reached			4.2	-48.1	Better
	Non-Hispanic, multiple races	2013	5.9	2019	3.5	-8.2	Improving	Reached			3.5	-56.9	Better
Metropolitan status	Metropolitan	2013	8.4	2019	6.1	-6.4	Improving	4 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	11.4	2019	10.0	-3.4	No change	No progress	Metropolitan	6.1	10.0	64.9	Worse
Age	0-64	2013	14.3	2019	11.1	-5.3	Improving	10 years	=====	=====	=====	=====	=====
	65-74	2013	11.7	2019	8.9	-5.8	Improving	8 years	0-64	11.1	8.9	-19.2	Better
	75-84	2013	8.9	2019	6.5	-6.4	Improving	4 years			6.5	-40.9	Better
	85 and over	2013	6.5	2019	4.5	-7.0	Improving	0 years			4.5	-59.6	Better
Gender	Male	2013	8.0	2019	6.0	-5.8	Improving	4 years	=====	=====	=====	=====	=====
	Female	2013	9.7	2019	7.5	-5.4	Improving	No progress	Male	6.0	7.5	25.7	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.30. Measure: Long-stay nursing home residents with too much weight loss

Source: Minimum Data Set

Benchmark was 4.7 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	5.6	2019	5.4	-0.9	No change	14 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	5.8	2019	5.6	-1.0	Improving	15 years	=====	=====	=====	=====	=====
	Hispanic, all races	2013	4.7	2019	5.0	0.4	No change	No progress	Non-Hispanic, White	5.6	5.0	-10.6	Better
	Non-Hispanic, AI/AN	2013	5.8	2019	4.8	-3.1	Improving	1 year			4.8	-12.8	Better
	Non-Hispanic, Asian	2013	4.6	2019	5.2	0.3	No change	No progress			5.2	-6.3	Same
	Non-Hispanic, NHPI	2013	5.8	2019	4.1	-6.1	Improving	Reached			4.1	-25.4	Better
	Non-Hispanic, Black	2013	5.3	2019	5.2	-0.5	No change	No progress			5.2	-5.6	Same
	Non-Hispanic, multiple races	2013	5.5	2019	4.7	-2.2	No change	No progress			4.7	-15.7	Better
	Metropolitan status	Metropolitan	2013	5.5	2019	5.4	-0.9	No change	No progress	=====	=====	=====	=====
Nonmetropolitan		2013	5.8	2019	5.5	-1.0	Improving	15 years	Metropolitan	5.4	5.5	2.4	Same
Age	0-64	2013	4.1	2019	4.1	-0.2	No change	No progress	=====	=====	=====	=====	=====
	65-74	2013	5.3	2019	4.9	-1.2	Improving	4 years	0-64	4.1	4.9	19.4	Worse
	75-84	2013	5.8	2019	5.7	-0.7	No change	No progress			5.7	38.7	Worse
	85 and over	2013	6.1	2019	6.1	-0.7	No change	No progress			6.1	48.2	Worse
Gender	Male	2013	5.0	2019	4.9	-0.9	No change	No progress	=====	=====	=====	=====	=====
	Female	2013	5.9	2019	5.7	-0.8	No change	No progress	Male	4.9	5.7	16.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.31. Measure: Low-risk, long-stay nursing home residents with loss of control of bowels or bladder

Source: Minimum Data Set

Benchmark was 63.0 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	64.2	2019	71.0	1.3	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	66.5	2019	73.0	1.3	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2013	56.0	2019	66.8	2.2	No change	No progress	Non-Hispanic, White	73.0	66.8	-8.5	Same
	Non-Hispanic, AI/AN	2013	51.5	2013	51.5	-----	-----	No Benchmark			-----	-----	-----
	Non-Hispanic, Asian	2013	51.6	2019	55.4	0.6	No change	No progress			55.4	-24.1	Better
	Non-Hispanic, Black	2013	60.0	2019	69.3	2.0	Worsening	No progress			69.3	-5.1	Same
Metropolitan status	Metropolitan	2013	64.6	2019	71.2	1.3	No change	No progress	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	63.2	2019	70.5	1.4	No change	No progress	Metropolitan	71.2	70.5	-1.0	Same
Age	0-64	2013	46.4	2019	52.3	1.8	Worsening	Reached, getting worse	=====	=====	=====	=====	=====
	65-74	2013	57.2	2019	63.8	1.2	No change	No progress	0-64	52.3	63.8	22.0	Worse
	75-84	2013	66.1	2019	72.8	1.3	No change	No progress			72.8	39.2	Worse
	85 and over	2013	69.3	2019	77.7	1.6	Worsening	No progress			77.7	48.6	Worse
Gender	Male	2013	58.0	2019	65.1	1.7	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2013	67.0	2019	74.2	1.3	No change	No progress	Male	65.1	74.2	14.0	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.32. Measure: Long-stay nursing home residents with physical restraints

Source: Minimum Data Set

Benchmark was 0.3 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	1.3	2019	0.2	-27.5	Improving	Reached	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	1.3	2019	0.2	-27.7	Improving	Reached	=====	=====	=====	=====	=====
	Hispanic, all races	2013	1.7	2019	0.3	-27.6	Improving	Reached	Non-Hispanic, White	0.2	0.3	13.6	Same
	Non-Hispanic, AI/AN	2013	1.2	2019	0.4	-18.3	Improving	1 year			0.4	77.3	Same
	Non-Hispanic, Asian	2013	1.6	2019	0.3	-24.3	Improving	0 years			0.3	45.5	Worse
	Non-Hispanic, NHPI	2013	1.7	2015	1.1	-----	-----	No Benchmark			-----	-----	-----
	Non-Hispanic, Black	2013	1.2	2019	0.2	-26.3	Improving	Reached			0.2	-4.5	Same
	Non-Hispanic, multiple races	2013	1.3	2017	0.4	-26.1	Improving	1 year			-----	-----	-----
Metropolitan status	Metropolitan	2013	1.3	2019	0.2	-27.8	Improving	Reached	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	1.4	2019	0.3	-26.0	Improving	0 years	Metropolitan	0.2	0.3	28.6	Worse
Age	0-64	2013	1.5	2019	0.4	-20.0	Improving	1 year	=====	=====	=====	=====	=====
	65-74	2013	1.1	2019	0.2	-27.8	Improving	Reached	0-64	0.4	0.2	-56.8	Better
	75-84	2013	1.4	2019	0.2	-30.2	Improving	Reached			0.2	-59.1	Better
	85 and over	2013	1.3	2019	0.2	-30.4	Improving	Reached			0.2	-61.4	Better
Gender	Male	2013	1.3	2019	0.3	-26.0	Improving	Reached	=====	=====	=====	=====	=====
	Female	2013	1.3	2019	0.2	-28.5	Improving	Reached	Male	0.3	0.2	-20.0	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.33. Measure: Short-stay nursing home residents with moderate to severe pain

Source: Minimum Data Set

Benchmark was 10.5 in 2015.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	17.7	2019	15.1	-4.3	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	18.1	2019	16.3	-3.5	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2013	15.4	2019	8.6	-11.1	Improving	Reached	Non-Hispanic, White	16.3	8.6	-47.2	Better
	Non-Hispanic, AI/AN	2013	21.7	2019	19.8	-2.5	No change	No progress			19.8	21.5	Worse
	Non-Hispanic, Asian	2013	9.3	2019	4.4	-12.7	Improving	Reached			4.4	-73.0	Better
	Non-Hispanic, NHPI	2013	15.8	2019	9.1	-10.6	Improving	Reached			9.1	-44.2	Better
	Non-Hispanic, Black	2013	16.6	2019	12.4	-6.1	Improving	2 years			12.4	-23.9	Better
	Non-Hispanic, multiple races	2013	13.1	2019	8.9	-8.1	Improving	No progress			8.9	-45.4	Better
	Metropolitan status	Metropolitan	2013	17.4	2019	14.5	-4.6	No change	No progress	=====	=====	=====	=====
Nonmetropolitan		2013	19.6	2019	18.6	-2.5	No change	No progress	Metropolitan	14.5	18.6	28.3	Worse
Age	0-64	2013	31.4	2019	26.9	-4.1	No change	No progress	=====	=====	=====	=====	=====
	65-74	2013	23.3	2019	20.9	-3.5	No change	No progress	0-64	26.9	20.9	-22.3	Better
	75-84	2013	15.1	2019	13.1	-4.1	No change	No progress			13.1	-51.3	Better
	85 and over	2013	9.6	2019	7.7	-5.4	No change	No progress			7.7	-71.4	Better
Gender	Male	2013	15.1	2019	11.8	-5.6	Improving	No progress	=====	=====	=====	=====	=====
	Female	2013	19.2	2019	17.5	-3.3	No change	No progress	Male	11.8	17.5	48.3	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.34. Measure: Home health care patients whose shortness of breath decreased

Source: Outcome and Assessment Information Set

Benchmark was 78.4 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	65.2	2020	83.7	-11.5	Improving	Reached	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	66.7	2020	84.0	-11.3	Improving	Reached	=====	=====	=====	=====	=====
	Hispanic, all races	2013	53.7	2020	79.4	-12.0	Improving	Reached	Non-Hispanic, White	84.0	79.4	28.8	Worse
	Non-Hispanic, AI/AN	2013	63.8	2020	81.5	-10.4	Improving	Reached			81.5	15.6	Worse
	Non-Hispanic, Asian	2013	65.9	2020	81.4	-9.1	Improving	Reached			81.4	16.3	Worse
	Non-Hispanic, NHPI	2013	69.4	2020	83.7	-9.4	Improving	Reached			83.7	1.9	Same
	Non-Hispanic, Black	2013	64.0	2020	84.4	-12.3	Improving	Reached			84.4	-2.5	Same
	Non-Hispanic, multiple races	2013	61.6	2020	79.5	-9.7	Improving	Reached			79.5	28.1	Worse
Age	0-64	2013	63.4	2020	83.3	-11.5	Improving	Reached	=====	=====	=====	=====	=====
	65-74	2013	66.9	2020	85.5	-12.4	Improving	Reached	0-64	83.3	85.5	-13.2	Better
	75-84	2013	65.9	2020	84.3	-11.8	Improving	Reached			84.3	-6.0	Same
	85 and over	2013	63.9	2020	81.6	-10.5	Improving	Reached			81.6	10.2	Worse
Gender	Male	2013	65.0	2020	83.3	-11.2	Improving	Reached	=====	=====	=====	=====	=====
	Female	2013	65.3	2020	83.9	-11.7	Improving	Reached	Male	83.3	83.9	-3.6	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.35. Measure: Home health care patients who stayed at home after an episode of home health care

Source: Outcome and Assessment Information Set

Benchmark was 85.5 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	81.3	2020	83.6	-3.2	Improving	3 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	81.5	2020	83.7	-3.1	Improving	3 years	=====	=====	=====	=====	=====
	Hispanic, all races	2013	82.6	2020	84.0	-2.9	Improving	No progress	Non-Hispanic, White	83.7	84.0	-1.8	Same
	Non-Hispanic, AI/AN	2013	79.5	2020	83.1	-4.2	Improving	3 years			83.1	3.7	Same
	Non-Hispanic, Asian	2013	86.8	2020	86.8	-1.9	No change	No progress			86.8	-19.0	Better
	Non-Hispanic, NHPI	2013	85.0	2020	85.9	-2.1	Improving	Reached			85.9	-13.5	Better
	Non-Hispanic, Black	2013	79.2	2020	82.5	-3.9	Improving	4 years			82.5	7.4	Same
	Non-Hispanic, multiple races	2013	72.2	2020	77.0	-4.0	Improving	8 years			77.0	41.1	Worse
Age	0-64	2013	79.6	2020	84.2	-5.0	Improving	1 year	=====	=====	=====	=====	=====
	65-74	2013	83.5	2020	85.2	-3.1	Improving	1 year	0-64	84.2	85.2	-6.3	Same
	75-84	2013	82.1	2020	83.9	-3.0	Improving	3 years			83.9	1.9	Same
	85 and over	2013	79.6	2020	81.2	-2.3	Improving	10 years			81.2	19.0	Worse
Gender	Male	2013	79.6	2020	81.6	-2.7	Improving	8 years	=====	=====	=====	=====	=====
	Female	2013	82.4	2020	84.9	-3.6	Improving	1 year	Male	81.6	84.9	-17.9	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.36. Measure: Home health care patients who had improvement in upper body dressing

Source: Outcome and Assessment Information Set

Benchmark was 79.3 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	70.8	2020	82.1	-7.4	Improving	Reached	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	72.1	2020	83.0	-7.6	Improving	Reached	=====	=====	=====	=====	=====
	Hispanic, all races	2013	67.1	2020	76.6	-5.4	Improving	2 years	Non-Hispanic, White	83.0	76.6	37.6	Worse
	Non-Hispanic, AI/AN	2013	69.6	2020	80.4	-7.0	Improving	Reached			80.4	15.3	Worse
	Non-Hispanic, Asian	2013	65.9	2020	76.9	-6.1	Improving	1 year			76.9	35.9	Worse
	Non-Hispanic, NHPI	2013	68.9	2020	78.8	-5.8	Improving	0 years			78.8	24.7	Worse
	Non-Hispanic, Black	2013	67.2	2020	81.3	-8.2	Improving	Reached			81.3	10.0	Worse
	Non-Hispanic, multiple races	2013	62.4	2020	74.8	-6.4	Improving	2 years			74.8	48.2	Worse
Age	0-64	2013	70.6	2020	83.0	-7.9	Improving	Reached	=====	=====	=====	=====	=====
	65-74	2013	77.2	2020	86.3	-7.6	Improving	Reached	0-64	83.0	86.3	-19.4	Better
	75-84	2013	72.3	2020	83.3	-7.7	Improving	Reached			83.3	-1.8	Same
	85 and over	2013	63.6	2020	76.4	-6.8	Improving	1 year			76.4	38.8	Worse
Gender	Male	2013	70.4	2020	81.9	-7.3	Improving	Reached	=====	=====	=====	=====	=====
	Female	2013	71.1	2020	82.3	-7.5	Improving	Reached	Male	81.9	82.3	-2.2	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.37. Measure: Home health care patients who had improvement in confusion frequency

Source: Outcome and Assessment Information Set

Benchmark was 57.4 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	44.5	2020	54.4	-3.0	Improving	2 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	45.6	2020	54.7	-2.8	Improving	2 years	=====	=====	=====	=====	=====
	Hispanic, all races	2013	35.4	2020	48.6	-3.6	Improving	4 years	Non-Hispanic, White	54.7	48.6	13.5	Worse
	Non-Hispanic, AI/AN	2013	47.4	2020	56.5	-2.8	Improving	1 year			56.5	-4.0	Same
	Non-Hispanic, Asian	2013	41.5	2020	47.1	-1.6	Improving	11 years			47.1	16.8	Worse
	Non-Hispanic, NHPI	2013	43.6	2020	52.9	-2.9	Improving	3 years			52.9	4.0	Same
	Non-Hispanic, Black	2013	45.1	2020	57.3	-3.7	Improving	0 years			57.3	-5.7	Same
	Non-Hispanic, multiple races	2013	42.1	2020	50.0	-2.4	Improving	6 years			50.0	10.4	Worse
Age	0-64	2013	47.9	2020	62.1	-4.6	Improving	Reached	=====	=====	=====	=====	=====
	65-74	2013	51.7	2020	62.7	-4.0	Improving	Reached	0-64	62.1	62.7	-1.6	Same
	75-84	2013	45.7	2020	55.3	-3.0	Improving	1 year			55.3	17.9	Worse
	85 and over	2013	38.4	2020	46.0	-2.1	Improving	9 years			46.0	42.5	Worse
Gender	Male	2013	45.4	2020	55.5	-3.1	Improving	1 year	=====	=====	=====	=====	=====
	Female	2013	44.1	2020	53.7	-2.9	Improving	2 years	Male	55.5	53.7	4.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.38. Measure: Home health care patients whose pain when moving around decreased

Source: Outcome and Assessment Information Set

Benchmark was 75.1 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	68.1	2020	84.1	-10.9	Improving	Reached	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	67.6	2020	84.4	-11.3	Improving	Reached	=====	=====	=====	=====	=====
	Hispanic, all races	2013	72.8	2020	82.2	-7.1	Improving	Reached	Non-Hispanic, White	84.4	82.2	14.1	Worse
	Non-Hispanic, AI/AN	2013	64.6	2020	80.3	-9.8	Improving	Reached			80.3	26.3	Worse
	Non-Hispanic, Asian	2013	72.4	2020	83.9	-8.9	Improving	Reached			83.9	3.2	Same
	Non-Hispanic, NHPI	2013	68.4	2020	82.6	-9.2	Improving	Reached			82.6	11.5	Worse
	Non-Hispanic, Black	2013	67.2	2020	84.0	-11.0	Improving	Reached			84.0	2.6	Same
	Non-Hispanic, multiple races	2013	64.0	2020	79.7	-9.2	Improving	Reached			79.7	30.1	Worse
Age	0-64	2013	62.9	2020	80.9	-10.2	Improving	Reached	=====	=====	=====	=====	=====
	65-74	2013	68.9	2020	84.8	-11.1	Improving	Reached	0-64	80.9	84.8	-20.4	Better
	75-84	2013	69.4	2020	85.0	-11.1	Improving	Reached			85.0	-21.5	Better
	85 and over	2013	68.9	2020	84.0	-10.6	Improving	Reached			84.0	-16.2	Better
Gender	Male	2013	69.2	2020	84.5	-10.8	Improving	Reached	=====	=====	=====	=====	=====
	Female	2013	67.4	2020	83.9	-11.0	Improving	Reached	Male	84.5	83.9	3.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Chapter: Healthy Living
Section: Clinical Preventive Services

Appendix Table 7.39. Measure: Women ages 50-74 who received a mammogram in the last 2 years

Source: National Health Interview Survey

Benchmark was 84.7 in 2016.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	76.4	2019	76.4	-----	-----	No Benchmark	=====	=====	=====	=====	=====
Race	White	2019	76.0	2019	76.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Asian	2019	73.7	2019	73.7	-----	-----	No Benchmark	White	76.0	73.7	9.6	Same
	Black	2019	79.5	2019	79.5	-----	-----	No Benchmark			79.5	-14.6	Same
	Multiple races	2019	74.6	2019	74.6	-----	-----	No Benchmark			74.6	5.8	Same
Ethnicity	Non-Hispanic, White	2019	76.0	2019	76.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Hispanic, all races	2019	78.5	2019	78.5	-----	-----	No Benchmark	Non-Hispanic, White	76.0	78.5	-10.4	Same
	Non-Hispanic, all races	2019	76.1	2019	76.1	-----	-----	No Benchmark			76.1	-0.4	Same
	Non-Hispanic, Black	2019	79.1	2019	79.1	-----	-----	No Benchmark			79.1	-12.9	Same
Income	400% of PG or more	2019	82.9	2019	82.9	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than 100% of PG	2019	67.1	2019	67.1	-----	-----	No Benchmark	400% of PG or more	82.9	67.1	92.4	Worse
	100-199% of PG	2019	68.5	2019	68.5	-----	-----	No Benchmark			68.5	84.2	Worse
	200-399% of PG	2019	74.5	2019	74.5	-----	-----	No Benchmark			74.5	49.1	Worse
Health insurance	Any private	2019	80.0	2019	80.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Public only	2019	75.9	2019	75.9	-----	-----	No Benchmark	Any private	80.0	75.9	20.5	Worse
	Uninsured	2019	43.9	2019	43.9	-----	-----	No Benchmark			43.9	180.5	Worse
Metropolitan status	Large fringe metro	2019	78.6	2019	78.6	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Metropolitan	2019	77.6	2019	77.6	-----	-----	No Benchmark	Large fringe metro	78.6	77.6	4.7	Same
	Large central metro	2019	77.9	2019	77.9	-----	-----	No Benchmark			77.9	3.3	Same
	Medium metro	2019	76.4	2019	76.4	-----	-----	No Benchmark			76.4	10.3	Same
	Small metro	2019	76.6	2019	76.6	-----	-----	No Benchmark			76.6	9.3	Same
	Micropolitan	2019	72.0	2019	72.0	-----	-----	No Benchmark			72.0	30.8	Worse
	Noncore	2019	68.1	2019	68.1	-----	-----	No Benchmark			68.1	49.1	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	50-64	2019	75.7	2019	75.7	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	65-74	2019	78.1	2019	78.1	-----	-----	No Benchmark	50-64	75.7	78.1	-9.9	Same
Disability status	Without disability	2019	77.4	2019	77.4	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	With disability	2019	69.3	2019	69.3	-----	-----	No Benchmark	Without disability	77.4	69.3	35.8	Worse
Education	Some college	2019	79.0	2019	79.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than high school graduate	2019	69.4	2019	69.4	-----	-----	No Benchmark	Some college	79.0	69.4	45.7	Worse
	High school graduate	2019	73.2	2019	73.2	-----	-----	No Benchmark			73.2	27.6	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.40. Measure: Breast cancer diagnosed at advanced stage (regional, distant stage, or local stage with tumor greater than 2 cm) per 100,000 women age 40 and over

Source: National Program of Cancer Registries and U.S. Cancer Statistics

Benchmark was 75.4 in 2015.

Disparity Year: 2018

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	95.6	2018	83.9	-0.6	No change	16 years	=====	=====	=====	=====	=====
Race	White	2000	96.0	2018	81.7	-0.7	No change	10 years	=====	=====	=====	=====	=====
	AI/AN	2000	56.7	2018	49.3	-0.3	No change	No progress	White	81.7	49.3	-39.7	Better
	API	2000	63.7	2018	66.3	0.4	No change	Reached, getting worse			66.3	-18.8	Better
	Black	2000	100.3	2018	99.2	0.1	No change	No progress			99.2	21.4	Worse
Ethnicity	Non-Hispanic, White	2000	96.9	2018	86.0	-0.5	No change	More than 20 years	=====	=====	=====	=====	=====
	Hispanic, all races	2000	79.4	2018	69.2	-0.5	No change	Reached	Non-Hispanic, White	86.0	69.2	-19.5	Better
Age	40-49	2000	62.4	2018	60.8	-0.1	No change	No progress	=====	=====	=====	=====	=====
	50-64	2000	107.0	2018	85.5	-1.1	Improving	10 years	40-49	60.8	85.5	40.6	Worse
	65 and over	2000	122.6	2018	109.9	-0.4	No change	More than 20 years			109.9	80.8	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.41. Measure: Women ages 21-65 who received a Pap smear in the last 3 years or human papillomavirus vaccines in the last 5 years

Source: National Health Interview Survey

Benchmark was 84.2 in 2016.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	75.1	2019	75.1	-----	-----	No Benchmark	=====	=====	=====	=====	=====
Race	White	2019	76.9	2019	76.9	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Asian	2019	65.3	2019	65.3	-----	-----	No Benchmark	White	76.9	65.3	50.2	Worse
	Black	2019	75.5	2019	75.5	-----	-----	No Benchmark			75.5	6.1	Same
	Multiple races	2019	78.7	2019	78.7	-----	-----	No Benchmark			78.7	-7.8	Same
Ethnicity	Non-Hispanic, White	2019	78.3	2019	78.3	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Hispanic, all races	2019	68.9	2019	68.9	-----	-----	No Benchmark	Non-Hispanic, White	78.3	68.9	43.3	Worse
	Non-Hispanic, all races	2019	76.6	2019	76.6	-----	-----	No Benchmark			76.6	7.8	Same
	Non-Hispanic, Black	2019	75.6	2019	75.6	-----	-----	No Benchmark			75.6	12.4	Same
Income	400% of PG or more	2019	82.7	2019	82.7	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than 100% of PG	2019	61.3	2019	61.3	-----	-----	No Benchmark	400% of PG or more	82.7	61.3	123.7	Worse
	100-199% of PG	2019	66.3	2019	66.3	-----	-----	No Benchmark			66.3	94.8	Worse
	200-399% of PG	2019	75.4	2019	75.4	-----	-----	No Benchmark			75.4	42.2	Worse
Health insurance	Any private	2019	80.2	2019	80.2	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Public only	2019	70.2	2019	70.2	-----	-----	No Benchmark	Any private	80.2	70.2	50.5	Worse
	Uninsured	2019	55.3	2019	55.3	-----	-----	No Benchmark			55.3	125.8	Worse
Metropolitan status	Large fringe metro	2019	77.1	2019	77.1	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Metropolitan	2019	75.5	2019	75.5	-----	-----	No Benchmark	Large fringe metro	77.1	75.5	7.0	Same
	Large central metro	2019	75.7	2019	75.7	-----	-----	No Benchmark			75.7	6.1	Same
	Medium metro	2019	73.6	2019	73.6	-----	-----	No Benchmark			73.6	15.3	Same
	Small metro	2019	74.7	2019	74.7	-----	-----	No Benchmark			74.7	10.5	Same
	Micropolitan	2019	75.6	2019	75.6	-----	-----	No Benchmark			75.6	6.6	Same
	Noncore	2019	65.8	2019	65.8	-----	-----	No Benchmark			65.8	49.3	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	21-44	2019	75.2	2019	75.2	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	45-65	2019	74.1	2019	74.1	-----	-----	No Benchmark	21-44	75.2	74.1	4.4	Same
Education	Some college	2019	81.8	2019	81.8	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than high school graduate	2019	57.4	2019	57.4	-----	-----	No Benchmark	Some college	81.8	57.4	134.1	Worse
	High school graduate	2019	70.7	2019	70.7	-----	-----	No Benchmark			70.7	61.0	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.42. Measure: Cervical cancer diagnosed at advanced stage (all invasive tumors) per 100,000 women age 20 and over

Source: National Program of Cancer Registries and U.S. Cancer Statistics

Benchmark was 7.7 in 2015.

Disparity Year: 2018

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	13.4	2018	10.5	-1.0	Improving	More than 20 years	=====	=====	=====	=====	=====
Race	White	2000	12.7	2018	10.3	-0.8	No change	More than 20 years	=====	=====	=====	=====	=====
	AI/AN	2000	11.8	2018	8.2	-1.0	Improving	4 years	White	10.3	8.2	-20.4	Better
	API	2000	12.7	2018	7.9	-2.4	Improving	1 year			7.9	-23.3	Better
Ethnicity	Black	2000	19.1	2018	11.7	-2.4	Improving	11 years			11.7	13.6	Worse
	Non-Hispanic, White	2000	12.7	2018	10.1	-0.9	No change	More than 20 years	=====	=====	=====	=====	=====
Age	Hispanic, all races	2000	21.8	2018	13.0	-2.8	Improving	12 years	Non-Hispanic, White	10.1	13.0	28.7	Worse
	20-49	2000	12.0	2018	10.4	-0.6	No change	More than 20 years	=====	=====	=====	=====	=====
	50-64	2000	15.8	2018	11.9	-1.0	No change	More than 20 years	20-49	10.4	11.9	14.4	Worse
	65 and over	2000	15.4	2018	9.3	-2.4	Improving	6 years			9.3	-10.6	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.43. Measure: Composite measure: Adults ages 50-75 who received any type of colorectal cancer screening
 Source: National Health Interview Survey
 Benchmark was 77.7 in 2016.
 Disparity Year: 2019
 Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	68.1	2019	68.1	-----	-----	No Benchmark	=====	=====	=====	=====	=====
Race	White	2019	69.3	2019	69.3	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	AI/AN	2019	55.3	2019	55.3	-----	-----	No Benchmark	White	69.3	55.3	45.6	Worse
	Asian	2019	57.6	2019	57.6	-----	-----	No Benchmark			57.6	38.1	Worse
	Black	2019	70.0	2019	70.0	-----	-----	No Benchmark			70.0	-2.3	Same
	Multiple races	2019	65.9	2019	65.9	-----	-----	No Benchmark			65.9	11.1	Same
Ethnicity	Non-Hispanic, White	2019	71.1	2019	71.1	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Hispanic, all races	2019	55.6	2019	55.6	-----	-----	No Benchmark	Non-Hispanic, White	71.1	55.6	53.6	Worse
	Non-Hispanic, all races	2019	69.9	2019	69.9	-----	-----	No Benchmark			69.9	4.2	Same
	Non-Hispanic, Black	2019	69.8	2019	69.8	-----	-----	No Benchmark			69.8	4.5	Same
Income	400% of PG or more	2019	76.0	2019	76.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than 100% of PG	2019	53.6	2019	53.6	-----	-----	No Benchmark	400% of PG or more	76.0	53.6	93.3	Worse
	100-199% of PG	2019	57.5	2019	57.5	-----	-----	No Benchmark			57.5	77.1	Worse
	200-399% of PG	2019	66.0	2019	66.0	-----	-----	No Benchmark			66.0	41.7	Worse
Health insurance	Any private	2019	67.6	2019	67.6	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Public only	2019	61.3	2019	61.3	-----	-----	No Benchmark	Any private	67.6	61.3	19.4	Worse
	Uninsured	2019	31.3	2019	31.3	-----	-----	No Benchmark			31.3	112.0	Worse
Metropolitan status	Large fringe metro	2019	70.5	2019	70.5	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Metropolitan	2019	68.6	2019	68.6	-----	-----	No Benchmark	Large fringe metro	70.5	68.6	6.4	Same
	Large central metro	2019	65.8	2019	65.8	-----	-----	No Benchmark			65.8	15.9	Worse
	Medium metro	2019	71.1	2019	71.1	-----	-----	No Benchmark			71.1	-2.0	Same
	Small metro	2019	65.8	2019	65.8	-----	-----	No Benchmark			65.8	15.9	Worse
	Micropolitan	2019	68.1	2019	68.1	-----	-----	No Benchmark			68.1	8.1	Same
	Noncore	2019	62.2	2019	62.2	-----	-----	No Benchmark			62.2	28.1	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	50-64	2019	62.4	2019	62.4	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	65-75	2019	79.8	2019	79.8	-----	-----	No Benchmark	50-64	62.4	79.8	-46.3	Better
Disability status	Without disability	2019	68.1	2019	68.1	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	With disability	2019	68.2	2019	68.2	-----	-----	No Benchmark	Without disability	68.1	68.2	-0.3	Same
Gender	Male	2019	66.8	2019	66.8	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Female	2019	69.3	2019	69.3	-----	-----	No Benchmark	Male	66.8	69.3	-7.5	Same
Education	Some college	2019	73.4	2019	73.4	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than high school graduate	2019	51.3	2019	51.3	-----	-----	No Benchmark	Some college	73.4	51.3	83.1	Worse
	High school graduate	2019	64.6	2019	64.6	-----	-----	No Benchmark			64.6	33.1	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.44. Measure: Colorectal cancer diagnosed at advanced stage (tumors diagnosed at regional or distant stage) per 100,000 population age 50 and over

Source: National Program of Cancer Registries and U.S. Cancer Statistics

Benchmark was 49.1 in 2015.

Disparity Year: 2018

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	101.5	2018	63.5	-2.7	Improving	7 years	=====	=====	=====	=====	=====
Race	White	2000	100.6	2018	62.8	-2.7	Improving	6 years	=====	=====	=====	=====	=====
	AI/AN	2000	72.3	2018	46.5	-1.8	Improving	Reached	White	62.8	46.5	-26.0	Better
	API	2000	78.8	2018	47.9	-2.8	Improving	Reached			47.9	-23.7	Better
Ethnicity	Black	2000	115.4	2018	72.5	-2.8	Improving	9 years			72.5	15.4	Worse
	Non-Hispanic, White	2000	102.7	2018	64.3	-2.7	Improving	7 years	=====	=====	=====	=====	=====
Age	Hispanic, all races	2000	82.4	2018	56.8	-2.2	Improving	5 years	Non-Hispanic, White	64.3	56.8	-11.7	Better
	50-64	2000	49.7	2018	41.4	-1.0	Improving	Reached	=====	=====	=====	=====	=====
	65 and over	2000	163.0	2018	89.8	-3.4	Improving	10 years	50-64	41.4	89.8	116.9	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.45. Measure: Adults without hypertension who had their blood pressure measured in the past 2 years

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	92.3	2019	92.3	-----	-----	=====	=====	=====	=====	=====	=====
Race	White	2019	92.5	2019	92.5	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2019	94.1	2019	94.1	-----	-----	=====	White	92.5	94.1	-21.3	Same
	Asian	2019	91.8	2019	91.8	-----	-----	=====			91.8	9.3	Same
	NHPI	2019	94.2	2019	94.2	-----	-----	=====			94.2	-22.7	Same
	Black	2019	92.7	2019	92.7	-----	-----	=====			92.7	-2.7	Same
	Multiple races	2019	93.0	2019	93.0	-----	-----	=====			93.0	-6.7	Same
Ethnicity	Non-Hispanic, White	2019	93.2	2019	93.2	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2019	89.4	2019	89.4	-----	-----	=====	Non-Hispanic, White	93.2	89.4	55.9	Worse
	Non-Hispanic, all races	2019	93.1	2019	93.1	-----	-----	=====			93.1	1.5	Same
	Non-Hispanic, Black	2019	92.8	2019	92.8	-----	-----	=====			92.8	5.9	Same
Income	400% of PG or more	2019	95.2	2019	95.2	-----	-----	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2019	85.8	2019	85.8	-----	-----	=====	400% of PG or more	95.2	85.8	195.8	Worse
	100-199% of PG	2019	89.2	2019	89.2	-----	-----	=====			89.2	125.0	Worse
	200-399% of PG	2019	92.1	2019	92.1	-----	-----	=====			92.1	64.6	Worse
Health insurance	Any private	2019	94.1	2019	94.1	-----	-----	=====	=====	=====	=====	=====	=====
	Public only	2019	94.4	2019	94.4	-----	-----	=====	Any private	94.1	94.4	-5.1	Same
	Uninsured	2019	75.6	2019	75.6	-----	-----	=====			75.6	313.6	Worse
Metropolitan status	Large fringe metro	2019	93.1	2019	93.1	-----	-----	=====	=====	=====	=====	=====	=====
	Metropolitan	2019	92.5	2019	92.5	-----	-----	=====	Large fringe metro	93.1	92.5	8.7	Same
	Large central metro	2019	92.5	2019	92.5	-----	-----	=====			92.5	8.7	Same
	Medium metro	2019	92.5	2019	92.5	-----	-----	=====			92.5	8.7	Same
	Small metro	2019	90.6	2019	90.6	-----	-----	=====			90.6	36.2	Worse
	Micropolitan	2019	91.1	2019	91.1	-----	-----	=====			91.1	29.0	Same
	Noncore	2019	91.6	2019	91.6	-----	-----	=====			91.6	21.7	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2019	90.4	2019	90.4	-----	-----	=====	=====	=====	=====	=====	=====
	45-64	2019	93.0	2019	93.0	-----	-----	=====	18-44	90.4	93.0	-27.1	Better
	65 and over	2019	96.7	2019	96.7	-----	-----	=====			96.7	-65.6	Better
Disability status	Without disability	2019	92.2	2019	92.2	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2019	94.5	2019	94.5	-----	-----	=====	Without disability	92.2	94.5	-29.5	Better
Gender	Male	2019	88.9	2019	88.9	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019	95.5	2019	95.5	-----	-----	=====	Male	88.9	95.5	-59.5	Better
Education	Some college	2019	94.6	2019	94.6	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2019	84.2	2019	84.2	-----	-----	=====	Some college	94.6	84.2	192.6	Worse
	High school graduate	2019	90.3	2019	90.3	-----	-----	=====			90.3	79.6	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.46. Measure: Adults who received a blood cholesterol measurement in the last 5 years

Source: National Health Interview Survey

Benchmark was 82.3 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	89.5	2019	89.5	-----	-----	No Benchmark	=====	=====	=====	=====	=====
Race	White	2019	88.9	2019	88.9	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	AI/AN	2019	88.9	2019	88.9	-----	-----	No Benchmark	White	88.9	88.9	0.0	Same
	Asian	2019	90.2	2019	90.2	-----	-----	No Benchmark			90.2	-11.7	Same
	NHPI	2019	92.1	2019	92.1	-----	-----	No Benchmark			92.1	-28.8	Same
	Black	2019	92.9	2019	92.9	-----	-----	No Benchmark			92.9	-36.0	Better
	Multiple races	2019	88.2	2019	88.2	-----	-----	No Benchmark			88.2	6.3	Same
	Ethnicity	Non-Hispanic, White	2019	88.8	2019	88.8	-----	-----	No Benchmark	=====	=====	=====	=====
Hispanic, all races		2019	89.4	2019	89.4	-----	-----	No Benchmark	Non-Hispanic, White	88.8	89.4	-5.4	Same
Non-Hispanic, all races		2019	89.6	2019	89.6	-----	-----	No Benchmark			89.6	-7.1	Same
Non-Hispanic, Black		2019	93.1	2019	93.1	-----	-----	No Benchmark			93.1	-38.4	Better
Income	400% of PG or more	2019	91.7	2019	91.7	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than 100% of PG	2019	86.1	2019	86.1	-----	-----	No Benchmark	400% of PG or more	91.7	86.1	67.5	Worse
	100-199% of PG	2019	86.7	2019	86.7	-----	-----	No Benchmark			86.7	60.2	Worse
	200-399% of PG	2019	89.5	2019	89.5	-----	-----	No Benchmark			89.5	26.5	Worse
Health insurance	Any private	2019	91.0	2019	91.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Public only	2019	90.3	2019	90.3	-----	-----	No Benchmark	Any private	91.0	90.3	7.8	Same
	Uninsured	2019	74.5	2019	74.5	-----	-----	No Benchmark			74.5	183.3	Worse
Metropolitan status	Large fringe metro	2019	91.0	2019	91.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Metropolitan	2019	90.3	2019	90.3	-----	-----	No Benchmark	Large fringe metro	91.0	90.3	7.8	Same
	Large central metro	2019	92.1	2019	92.1	-----	-----	No Benchmark			92.1	-12.2	Same
	Medium metro	2019	88.1	2019	88.1	-----	-----	No Benchmark			88.1	32.2	Worse
	Small metro	2019	87.4	2019	87.4	-----	-----	No Benchmark			87.4	40.0	Worse
	Micropolitan	2019	83.5	2019	83.5	-----	-----	No Benchmark			83.5	83.3	Worse
	Noncore	2019	85.9	2019	85.9	-----	-----	No Benchmark			85.9	56.7	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2019	83.5	2019	83.5	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	45-64	2019	94.8	2019	94.8	-----	-----	No Benchmark	18-44	83.5	94.8	-68.5	Better
	65 and over	2019	98.1	2019	98.1	-----	-----	No Benchmark			98.1	-88.5	Better
Disability status	Without disability	2019	89.4	2019	89.4	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	With disability	2019	90.9	2019	90.9	-----	-----	No Benchmark	Without disability	89.4	90.9	-14.2	Same
Gender	Male	2019	87.2	2019	87.2	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Female	2019	91.8	2019	91.8	-----	-----	No Benchmark	Male	87.2	91.8	-35.9	Better
Education	Some college	2019	93.9	2019	93.9	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than high school graduate	2019	86.1	2019	86.1	-----	-----	No Benchmark	Some college	93.9	86.1	127.9	Worse
	High school graduate	2019	89.1	2019	89.1	-----	-----	No Benchmark			89.1	78.7	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.47. Measure: Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last flu season

Source: National Health Interview Survey

Benchmark was 47.8 in 2015.

Disparity Year: 2019-2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019-2020	53.0	2019-2020	53.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
Race	White	2019-2020	53.2	2019-2020	53.2	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	AI/AN	2019-2020	43.3	2019-2020	43.3	-----	-----	No Benchmark	White	53.2	43.3	21.2	Same
	Asian	2019-2020	57.0	2019-2020	57.0	-----	-----	No Benchmark			57.0	-8.1	Same
	Black	2019-2020	51.7	2019-2020	51.7	-----	-----	No Benchmark			51.7	3.2	Same
Ethnicity	Non-Hispanic, White	2019-2020	54.2	2019-2020	54.2	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Hispanic, all races	2019-2020	50.9	2019-2020	50.9	-----	-----	No Benchmark	Non-Hispanic, White	54.2	50.9	7.2	Same
	Non-Hispanic, all races	2019-2020	53.3	2019-2020	53.3	-----	-----	No Benchmark			53.3	2.0	Same
	Non-Hispanic, Asian	2019-2020	57.0	2019-2020	57.0	-----	-----	No Benchmark			57.0	-6.1	Same
	Non-Hispanic, Black	2019-2020	50.2	2019-2020	50.2	-----	-----	No Benchmark			50.2	8.7	Same
Income	400% of PG or more	2019-2020	58.0	2019-2020	58.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than 100% of PG	2019-2020	51.2	2019-2020	51.2	-----	-----	No Benchmark	400% of PG or more	58.0	51.2	16.2	Same
	100-199% of PG	2019-2020	47.0	2019-2020	47.0	-----	-----	No Benchmark			47.0	26.2	Worse
	200-399% of PG	2019-2020	54.1	2019-2020	54.1	-----	-----	No Benchmark			54.1	9.3	Same
Health insurance	Any private	2019-2020	57.0	2019-2020	57.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019-2020	53.0	2019-2020	53.0	-----	-----	No Benchmark	Any private	57.0	53.0	9.3	Same
	Public only	2019-2020	54.5	2019-2020	54.5	-----	-----	No Benchmark			54.5	5.8	Same
	Uninsured	2019-2020	29.3	2019-2020	29.3	-----	-----	No Benchmark			29.3	64.4	Worse
Metropolitan status	Metropolitan	2019-2020	53.4	2019-2020	53.4	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Nonmetropolitan	2019-2020	51.5	2019-2020	51.5	-----	-----	No Benchmark	Metropolitan	53.4	51.5	4.1	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	18-44	2019-2020	43.7	2019-2020	43.7	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	45-64	2019-2020	57.8	2019-2020	57.8	-----	-----	No Benchmark	18-44	43.7	57.8	-25.0	Better
Disability status	Without disability	2019-2020	53.4	2019-2020	53.4	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	With disability	2019-2020	51.3	2019-2020	51.3	-----	-----	No Benchmark	Without disability	53.4	51.3	4.5	Same
Gender	Male	2019-2020	51.6	2019-2020	51.6	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Female	2019-2020	54.5	2019-2020	54.5	-----	-----	No Benchmark	Male	51.6	54.5	-6.0	Same
Education	Some college	2019-2020	56.8	2019-2020	56.8	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than high school graduate	2019-2020	57.1	2019-2020	57.1	-----	-----	No Benchmark	Some college	56.8	57.1	-0.7	Same
	High school graduate	2019-2020	46.6	2019-2020	46.6	-----	-----	No Benchmark			46.6	23.6	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.48. Measure: Adults ages 18 and over who received influenza vaccination in the last flu season

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2019-2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019-2020	49.9	2019-2020	49.9	-----	-----	=====					
Race	White	2019-2020	52.0	2019-2020	52.0	-----	-----	=====					
	AI/AN	2019-2020	38.2	2019-2020	38.2	-----	-----	=====	White	52.0	38.2	28.8	Worse
	Asian	2019-2020	55.6	2019-2020	55.6	-----	-----	=====			55.6	-7.5	Same
	Black	2019-2020	40.3	2019-2020	40.3	-----	-----	=====			40.3	24.4	Worse
	Multiple races	2019-2020	44.8	2019-2020	44.8	-----	-----	=====			44.8	15.0	Same
Ethnicity	Non-Hispanic, White	2019-2020	53.1	2019-2020	53.1	-----	-----	=====					
	Hispanic, all races	2019-2020	43.0	2019-2020	43.0	-----	-----	=====	Non-Hispanic, White	53.1	43.0	21.5	Worse
	Non-Hispanic, all races	2019-2020	51.3	2019-2020	51.3	-----	-----	=====			51.3	3.8	Same
	Non-Hispanic, AI/AN	2019-2020	46.7	2019-2020	46.7	-----	-----	=====			46.7	13.6	Same
	Non-Hispanic, Asian	2019-2020	55.8	2019-2020	55.8	-----	-----	=====			55.8	-5.8	Same
	Non-Hispanic, Black	2019-2020	40.2	2019-2020	40.2	-----	-----	=====			40.2	27.5	Worse
	Non-Hispanic, multiple races	2019-2020	48.2	2019-2020	48.2	-----	-----	=====			48.2	10.4	Same
Income	400% of PG or more	2019-2020	55.6	2019-2020	55.6	-----	-----	=====					
	Less than 100% of PG	2019-2020	43.5	2019-2020	43.5	-----	-----	=====	400% of PG or more	55.6	43.5	27.3	Worse
	100-199% of PG	2019-2020	44.6	2019-2020	44.6	-----	-----	=====			44.6	24.8	Worse
	200-399% of PG	2019-2020	47.6	2019-2020	47.6	-----	-----	=====			47.6	18.0	Worse
Health insurance	Any private	2019-2020	48.1	2019-2020	48.1	-----	-----	=====					
	Insured	2019-2020	43.3	2019-2020	43.3	-----	-----	=====	Any private	48.1	43.3	9.2	Same
	Public only	2019-2020	42.6	2019-2020	42.6	-----	-----	=====			42.6	10.6	Worse
	Uninsured	2019-2020	20.1	2019-2020	20.1	-----	-----	=====			20.1	53.9	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2019-2020	50.0	2019-2020	50.0	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2019-2020	49.7	2019-2020	49.7	-----	-----	=====	Metropolitan	50.0	49.7	0.6	Same
Age	18-44	2019-2020	39.7	2019-2020	39.7	-----	-----	=====	=====	=====	=====	=====	=====
	45-64	2019-2020	48.2	2019-2020	48.2	-----	-----	=====	18-44	39.7	48.2	-14.1	Better
	65 and over	2019-2020	73.9	2019-2020	73.9	-----	-----	=====			73.9	-56.7	Better
Disability status	Without disability	2019-2020	49.0	2019-2020	49.0	-----	-----	=====	=====	=====	=====	=====	=====
	With disability	2019-2020	59.0	2019-2020	59.0	-----	-----	=====	Without disability	49.0	59.0	-19.6	Better
Gender	Male	2019-2020	45.5	2019-2020	45.5	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019-2020	54.0	2019-2020	54.0	-----	-----	=====	Male	45.5	54.0	-15.6	Better
Education	Some college	2019-2020	54.8	2019-2020	54.8	-----	-----	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2019-2020	49.3	2019-2020	49.3	-----	-----	=====	Some college	54.8	49.3	12.2	Worse
	High school graduate	2019-2020	46.6	2019-2020	46.6	-----	-----	=====			46.6	18.1	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.49. Measure: Adults age 65 and over who received an influenza vaccination in the last flu season

Source: National Health Interview Survey

Benchmark was 70.3 in 2015.

Disparity Year: 2019-2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019-2020	73.9	2019-2020	73.9	-----	-----	No Benchmark	=====	=====	=====	=====	=====
Race	White	2019-2020	75.8	2019-2020	75.8	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	AI/AN	2019-2020	47.8	2019-2020	47.8	-----	-----	No Benchmark	White	75.8	47.8	115.7	Worse
	Asian	2019-2020	74.3	2019-2020	74.3	-----	-----	No Benchmark			74.3	6.2	Same
	Black	2019-2020	61.5	2019-2020	61.5	-----	-----	No Benchmark			61.5	59.1	Worse
Ethnicity	Non-Hispanic, White	2019-2020	76.4	2019-2020	76.4	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Hispanic, all races	2019-2020	67.9	2019-2020	67.9	-----	-----	No Benchmark	Non-Hispanic, White	76.4	67.9	36.0	Same
	Non-Hispanic, all races	2019-2020	74.5	2019-2020	74.5	-----	-----	No Benchmark			74.5	8.1	Same
	Non-Hispanic, AI/AN	2019-2020	49.8	2019-2020	49.8	-----	-----	No Benchmark			49.8	112.7	Worse
	Non-Hispanic, Asian	2019-2020	75.5	2019-2020	75.5	-----	-----	No Benchmark			75.5	3.8	Same
	Non-Hispanic, Black	2019-2020	61.5	2019-2020	61.5	-----	-----	No Benchmark			61.5	63.1	Worse
Income	400% of PG or more	2019-2020	79.1	2019-2020	79.1	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than 100% of PG	2019-2020	61.5	2019-2020	61.5	-----	-----	No Benchmark	400% of PG or more	79.1	61.5	84.2	Worse
	100-199% of PG	2019-2020	71.0	2019-2020	71.0	-----	-----	No Benchmark			71.0	38.8	Worse
	200-399% of PG	2019-2020	72.8	2019-2020	72.8	-----	-----	No Benchmark			72.8	30.1	Worse
Metropolitan status	Metropolitan	2019-2020	74.6	2019-2020	74.6	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Nonmetropolitan	2019-2020	71.2	2019-2020	71.2	-----	-----	No Benchmark	Metropolitan	74.6	71.2	13.4	Same
Age	65-74	2019-2020	69.3	2019-2020	69.3	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	75-84	2019-2020	79.7	2019-2020	79.7	-----	-----	No Benchmark	65-74	69.3	79.7	-33.9	Better
	85 and over	2019-2020	83.5	2019-2020	83.5	-----	-----	No Benchmark			83.5	-46.3	Better

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Disability status	Without disability	2019-2020	73.4	2019-2020	73.4	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	With disability	2019-2020	76.3	2019-2020	76.3	-----	-----	No Benchmark	Without disability	73.4	76.3	-10.9	Same
Gender	Male	2019-2020	73.1	2019-2020	73.1	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Female	2019-2020	74.5	2019-2020	74.5	-----	-----	No Benchmark	Male	73.1	74.5	-5.2	Same
Education	Some college	2019-2020	75.0	2019-2020	75.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than high school graduate	2019-2020	70.1	2019-2020	70.1	-----	-----	No Benchmark	Some college	75.0	70.1	19.6	Same
	High school graduate	2019-2020	74.0	2019-2020	74.0	-----	-----	No Benchmark			74.0	4.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.50. Measure: Hospital admissions for immunization-preventable influenza per 100,000 population, age 65 and over

Source: Healthcare Cost and Utilization Project

Benchmark was 53.3 in 2016.

Disparity Year: 2019

Note: Lower estimates are better for this measure. The unit of measurement is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	103.8	2019	232.3	31.5	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	93.0	2019	218.4	33.4	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	155.8	2019	259.4	20.5	No change	No progress	Non-Hispanic, White	218.4	259.4	18.8	Worse
	Non-Hispanic, API	2016	122.8	2019	180.6	14.6	No change	No progress			180.6	-17.3	Better
	Non-Hispanic, Black	2016	124.0	2019	295.2	34.7	No change	No progress			295.2	35.2	Worse
Income	400% of PG or more	2016	99.7	2019	207.3	28.1	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	115.4	2019	265.2	33.0	No change	No progress	400% of PG or more	207.3	265.2	27.9	Worse
	100-199% of PG	2016	99.7	2019	232.5	33.4	No change	No progress			232.5	12.2	Worse
	200-399% of PG	2016	101.1	2019	224.3	31.0	No change	No progress			224.3	8.2	Same
Metropolitan status	Large fringe metro	2016	101.7	2019	236.3	32.8	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	128.9	2019	231.4	23.5	No change	No progress	Large fringe metro	236.3	231.4	-2.1	Same
	Medium metro	2016	98.2	2019	230.1	33.4	No change	No progress			230.1	-2.6	Same
	Small metro	2016	94.9	2019	223.9	33.0	No change	No progress			223.9	-5.2	Same
	Micropolitan	2016	79.8	2019	237.4	43.0	No change	No progress			237.4	0.5	Same
	Noncore	2016	81.3	2019	233.2	41.5	No change	No progress			233.2	-1.3	Same
Age	65 and over	2016	101.2	2019	222.4	30.8	No change	No progress	=====	=====	=====	=====	=====
	70-74	2016	82.0	2019	186.4	32.6	No change	No progress	65 and over	222.4	186.4	-16.2	Better
	75-79	2016	106.4	2019	249.8	33.8	No change	No progress			249.8	12.3	Worse
	85 and over	2016	187.6	2019	423.3	31.1	No change	No progress			423.3	90.3	Worse
Gender	Male	2016	111.9	2019	240.3	29.6	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	99.1	2019	227.9	32.8	No change	No progress	Male	240.3	227.9	-5.2	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.51. Measure: Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination

Source: National Health Interview Survey

Benchmark was 44.8 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	22.5	2020	23.8	-----	-----	No Benchmark	=====	=====	=====	=====	=====
Race	White	2019	23.4	2020	24.9	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	AI/AN	2019	22.7	2020	19.5	-----	-----	No Benchmark	White	24.9	19.5	7.2	Same
	Asian	2019	24.9	2020	15.3	-----	-----	No Benchmark			15.3	12.8	Worse
	Black	2019	21.0	2020	23.6	-----	-----	No Benchmark			23.6	1.7	Same
	Multiple races	2019	13.9	2019	13.9	-----	-----	No Benchmark			-----	-----	-----
Ethnicity	Non-Hispanic, White	2019	23.8	2020	26.2	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Hispanic, all races	2019	18.4	2020	16.7	-----	-----	No Benchmark	Non-Hispanic, White	26.2	16.7	12.9	Worse
	Non-Hispanic, all races	2019	23.2	2020	25.0	-----	-----	No Benchmark			25.0	1.6	Same
	Non-Hispanic, AI/AN	2020	23.1	2020	23.1	-----	-----	No Benchmark			23.1	4.2	Same
	Non-Hispanic, Asian	2019	25.0	2020	13.8	-----	-----	No Benchmark			13.8	16.8	Worse
	Non-Hispanic, Black	2019	21.0	2020	23.2	-----	-----	No Benchmark			23.2	4.1	Same
	Non-Hispanic, multiple races	2019	16.4	2019	16.4	-----	-----	No Benchmark			-----	-----	-----
Income	400% of PG or more	2019	22.1	2020	24.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than 100% of PG	2019	23.6	2020	25.9	-----	-----	No Benchmark	400% of PG or more	24.0	25.9	-2.5	Same
	100-199% of PG	2019	23.3	2020	24.2	-----	-----	No Benchmark			24.2	-0.3	Same
	200-399% of PG	2019	21.8	2020	22.3	-----	-----	No Benchmark			22.3	2.2	Same
Health insurance	Any private	2019	22.8	2020	23.9	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	22.6	2020	23.8	-----	-----	No Benchmark	Any private	23.9	23.8	0.1	Same
	Public only	2019	28.5	2020	30.9	-----	-----	No Benchmark			30.9	-9.2	Same
	Uninsured	2019	11.9	2020	11.2	-----	-----	No Benchmark			11.2	16.7	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2019	22.3	2020	24.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Nonmetropolitan	2019	23.6	2020	23.2	-----	-----	No Benchmark	Metropolitan	24.0	23.2	1.1	Same
Age	18-44	2019	14.3	2020	15.5	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	45-64	2019	29.2	2020	30.3	-----	-----	No Benchmark	18-44	15.5	30.3	-17.5	Better
Disability status	Without disability	2019	20.1	2020	21.3	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	With disability	2019	37.7	2020	39.5	-----	-----	No Benchmark	Without disability	21.3	39.5	-23.1	Better
Gender	Male	2019	20.4	2020	21.8	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Female	2019	24.8	2020	25.9	-----	-----	No Benchmark	Male	21.8	25.9	-5.2	Same
Education	Some college	2019	26.4	2020	25.5	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than high school graduate	2019	17.9	2020	22.2	-----	-----	No Benchmark	Some college	25.5	22.2	4.4	Same
	High school graduate	2019	20.5	2020	24.2	-----	-----	No Benchmark			24.2	1.7	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.52. Measure: Adults age 65 and over who ever received pneumococcal vaccination

Source: National Health Interview Survey

Benchmark was 78.7 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	67.0	2020	67.5	-----	-----	No Benchmark	=====	=====	=====	=====	=====
Race	White	2019	69.6	2020	70.9	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	AI/AN	2019	64.1	2020	68.6	-----	-----	No Benchmark	White	70.9	68.6	7.9	Same
	Asian	2019	48.9	2020	54.3	-----	-----	No Benchmark			54.3	57.0	Worse
	Black	2019	57.5	2020	50.5	-----	-----	No Benchmark			50.5	70.1	Worse
	Multiple races	2019	51.4	2020	66.5	-----	-----	No Benchmark			66.5	15.1	Same
Ethnicity	Non-Hispanic, White	2019	71.1	2020	72.4	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Hispanic, all races	2019	51.4	2020	48.1	-----	-----	No Benchmark	Non-Hispanic, White	72.4	48.1	88.0	Worse
	Non-Hispanic, all races	2019	68.5	2020	69.3	-----	-----	No Benchmark			69.3	11.2	Worse
	Non-Hispanic, AI/AN	2019	63.0	2020	70.3	-----	-----	No Benchmark			70.3	7.6	Same
	Non-Hispanic, Asian	2019	49.0	2020	54.9	-----	-----	No Benchmark			54.9	63.4	Worse
	Non-Hispanic, Black	2019	57.7	2020	50.8	-----	-----	No Benchmark			50.8	78.3	Worse
	Non-Hispanic, multiple races	2019	52.1	2020	68.7	-----	-----	No Benchmark			68.7	13.4	Same
Income	400% of PG or more	2019	71.9	2020	72.3	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than 100% of PG	2019	54.1	2020	53.1	-----	-----	No Benchmark	400% of PG or more	72.3	53.1	69.3	Worse
	100-199% of PG	2019	59.5	2020	61.1	-----	-----	No Benchmark			61.1	40.4	Worse
	200-399% of PG	2019	70.0	2020	69.2	-----	-----	No Benchmark			69.2	11.2	Worse
Metropolitan status	Metropolitan	2019	67.2	2020	67.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Nonmetropolitan	2019	66.3	2020	69.2	-----	-----	No Benchmark	Metropolitan	67.0	69.2	-6.7	Same
Age	65-74	2019	62.6	2020	63.6	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	75-84	2019	74.0	2020	73.0	-----	-----	No Benchmark	65-74	63.6	73.0	-25.8	Better
	85 and over	2019	72.1	2020	73.7	-----	-----	No Benchmark			73.7	-27.7	Better

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Disability status	Without disability	2019	65.9	2020	66.4	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	With disability	2019	72.0	2020	72.4	-----	-----	No Benchmark	Without disability	66.4	72.4	-17.9	Better
Gender	Male	2019	63.7	2020	65.3	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Female	2019	69.7	2020	69.2	-----	-----	No Benchmark	Male	65.3	69.2	-11.2	Better
Education	Some college	2019	70.2	2020	72.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Less than high school graduate	2019	57.1	2020	51.1	-----	-----	No Benchmark	Some college	72.0	51.1	74.6	Worse
	High school graduate	2019	66.8	2020	66.9	-----	-----	No Benchmark			66.9	18.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.53. Measure: Adults with a dental visit in the calendar year

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	43.2	2019	44.0	0.1	No change	=====	=====	=====	=====	=====	=====
Race	White	2002	46.2	2019	46.8	0.1	No change	=====	=====	=====	=====	=====	=====
	AI/AN	2002	25.4	2019	31.8	-0.4	No change	=====	White	46.8	31.8	28.2	Worse
	Asian	2002	38.8	2019	41.1	0.0	No change	=====			41.1	10.7	Worse
	NHPI	2010	30.8	2012	24.7	-----	-----	=====			-----	-----	-----
	Black	2002	25.5	2019	30.8	-0.2	No change	=====			30.8	30.1	Worse
	Multiple races	2002	33.6	2019	38.2	0.0	No change	=====			38.2	16.2	Worse
Ethnicity	Non-Hispanic, White	2002	49.8	2019	51.3	0.0	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	24.6	2019	28.9	-0.4	No change	=====	Non-Hispanic, White	51.3	28.9	46.0	Worse
	Non-Hispanic, all races	2002	45.8	2019	47.0	0.1	No change	=====			47.0	8.8	Same
	Non-Hispanic, Asian	2002	38.9	2019	41.3	0.0	No change	=====			41.3	20.5	Worse
	Non-Hispanic, Black	2002	25.4	2019	30.4	-0.2	No change	=====			30.4	42.9	Worse
	Non-Hispanic, others	2002	33.4	2019	35.4	0.2	No change	=====			35.4	32.6	Worse
Income	400% of PG or more	2002	57.2	2019	57.8	0.2	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	24.2	2019	24.8	-0.1	No change	=====	400% of PG or more	57.8	24.8	78.2	Worse
	100-199% of PG	2002	28.2	2019	29.7	0.0	No change	=====			29.7	66.6	Worse
	200-399% of PG	2002	39.4	2019	37.7	0.2	No change	=====			37.7	47.6	Worse
Health insurance	Any private	2002	50.5	2019	48.6	0.5	No change	=====	=====	=====	=====	=====	=====
	Public only	2002	26.0	2019	25.7	0.1	No change	=====	Any private	48.6	25.7	44.6	Worse
	Uninsured	2002	18.4	2019	15.3	0.2	No change	=====			15.3	64.8	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2002	47.7	2019	46.6	0.3	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	44.2	2019	44.4	0.1	No change	=====	Large fringe metro	46.6	44.4	4.1	Same
	Large central metro	2002	40.0	2019	42.7	-0.1	No change	=====			42.7	7.3	Same
	Medium metro	2002	46.7	2019	44.5	0.3	No change	=====			44.5	3.9	Same
	Small metro	2002	43.3	2019	43.9	0.0	No change	=====			43.9	5.1	Same
	Nonmetropolitan	2002	38.4	2019	41.6	-0.1	No change	=====			41.6	9.4	Same
	Micropolitan	2002	40.1	2019	42.5	-0.1	No change	=====			42.5	7.7	Same
	Noncore	2002	35.2	2019	40.1	0.1	No change	=====			40.1	12.2	Worse
Age	18-44	2002	39.7	2019	38.1	0.3	No change	=====	=====	=====	=====	=====	=====
	45-64	2002	49.4	2019	46.7	0.5	No change	=====	18-44	38.1	46.7	-13.9	Better
	65 and over	2002	42.3	2019	52.5	-0.9	No change	=====			52.5	-23.3	Better
Disability status	Without disability	2013	41.0	2019	45.0	-1.2	Improving	=====	=====	=====	=====	=====	=====
	With disability	2013	38.9	2019	40.6	-0.6	No change	=====	Without disability	45.0	40.6	8.0	Same
Gender	Male	2002	38.4	2019	39.9	0.0	No change	=====	=====	=====	=====	=====	=====
	Female	2002	47.7	2019	47.9	0.2	No change	=====	Male	39.9	47.9	-13.3	Better
Education	Some college	2002	54.5	2019	53.1	0.5	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	25.1	2019	25.8	-0.1	No change	=====	Some college	53.1	25.8	58.2	Worse
	High school graduate	2002	40.0	2019	33.9	0.7	No change	=====			33.9	40.9	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.54. Measure: Adults who received a preventive dental service in the calendar year
 Source: Medical Expenditure Panel Survey
 Benchmark was not available.
 Disparity Year: 2019
 Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	33.6	2019	35.9	-0.1	No change	=====	=====	=====	=====	=====	=====
Race	White	2002	36.5	2019	38.6	-0.1	No change	=====	=====	=====	=====	=====	=====
	AI/AN	2002	15.0	2019	20.8	-0.2	No change	=====	White	38.6	20.8	29.0	Worse
	Asian	2002	29.5	2019	35.1	-0.1	No change	=====			35.1	5.7	Same
	NHPI	2011	19.7	2011	19.7	-----	-----	=====			-----	-----	-----
	Black	2002	15.9	2019	21.6	-0.3	No change	=====			21.6	27.7	Worse
	Multiple races	2002	26.2	2019	32.6	-0.3	No change	=====			32.6	9.8	Same
Ethnicity	Non-Hispanic, White	2002	39.9	2019	42.8	-0.2	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	16.2	2019	21.9	-0.4	No change	=====	Non-Hispanic, White	42.8	21.9	36.5	Worse
	Non-Hispanic, all races	2002	36.0	2019	38.6	-0.1	No change	=====			38.6	7.3	Same
	Non-Hispanic, Asian	2002	29.6	2019	35.2	-0.1	No change	=====			35.2	13.3	Worse
	Non-Hispanic, Black	2002	15.8	2019	21.3	-0.3	No change	=====			21.3	37.6	Worse
	Non-Hispanic, others	2002	24.9	2019	26.9	0.0	No change	=====			26.9	27.8	Worse
Income	400% of PG or more	2002	47.9	2019	49.9	0.0	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	14.8	2019	16.0	-0.1	No change	=====	400% of PG or more	49.9	16.0	67.7	Worse
	100-199% of PG	2002	18.6	2019	21.3	-0.1	No change	=====			21.3	57.1	Worse
	200-399% of PG	2002	29.2	2019	29.5	0.1	No change	=====			29.5	40.7	Worse
Health insurance	Any private	2002	40.9	2019	40.7	0.2	No change	=====	=====	=====	=====	=====	=====
	Public only	2002	14.5	2019	17.1	-0.1	No change	=====	Any private	40.7	17.1	39.8	Worse
	Uninsured	2002	10.2	2019	9.3	0.1	No change	=====			9.3	53.0	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2002	38.3	2019	38.8	0.1	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	34.7	2019	36.5	0.0	No change	=====	Large fringe metro	38.8	36.5	3.8	Same
	Large central metro	2002	30.1	2019	35.1	-0.2	No change	=====			35.1	6.0	Same
	Medium metro	2002	36.9	2019	36.5	0.1	No change	=====			36.5	3.8	Same
	Small metro	2002	35.9	2019	34.8	-0.1	No change	=====			34.8	6.5	Same
	Nonmetropolitan	2002	28.0	2019	31.6	-0.1	No change	=====			31.6	11.8	Worse
	Micropolitan	2002	29.8	2019	31.6	-0.2	No change	=====			31.6	11.8	Worse
	Noncore	2002	24.6	2019	31.6	-0.1	No change	=====			31.6	11.8	Worse
Age	18-44	2002	30.5	2019	30.8	0.1	No change	=====	=====	=====	=====	=====	=====
	45-64	2002	39.4	2019	38.1	0.2	No change	=====	18-44	30.8	38.1	-10.5	Better
	65 and over	2002	32.2	2019	43.1	-0.9	No change	=====			43.1	-17.8	Better
Disability status	Without disability	2013	33.3	2019	37.4	-1.0	Improving	=====	=====	=====	=====	=====	=====
	With disability	2013	28.2	2019	29.8	-0.5	No change	=====	Without disability	37.4	29.8	12.1	Worse
Gender	Male	2002	29.5	2019	32.2	-0.1	No change	=====	=====	=====	=====	=====	=====
	Female	2002	37.4	2019	39.2	0.0	No change	=====	Male	32.2	39.2	-10.3	Better
Education	Some college	2002	45.2	2019	45.2	0.3	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2002	15.7	2019	17.6	-0.1	No change	=====	Some college	45.2	17.6	50.4	Worse
	High school graduate	2002	29.7	2019	25.1	0.4	No change	=====			25.1	36.7	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.55. Measure: Composite measure: Children ages 19-35 months who received all recommended vaccines

Source: National Immunization Survey

Benchmark was 79.3 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2009	63.6	2020	72.5	-1.8	Improving	12 years	=====	=====	=====	=====	=====
Race	White	2009	65.3	2020	74.3	-2.1	Improving	8 years	=====	=====	=====	=====	=====
	AI/AN	2009	61.9	2020	61.4	-0.3	No change	No progress	White	74.3	61.4	50.2	Worse
	Asian	2009	62.3	2020	73.2	-2.7	Improving	7 years			73.2	4.3	Same
	NHPI	2009	53.7	2018	86.0	-----	-----	No Benchmark			-----	-----	-----
	Black	2009	58.5	2020	67.0	-1.2	Improving	More than 20 years			67.0	28.4	Worse
	Multiple races	2009	56.9	2020	70.6	-1.6	No change	No progress			70.6	14.4	Same
Ethnicity	Non-Hispanic, White	2009	64.1	2020	76.4	-2.9	Improving	3 years	=====	=====	=====	=====	=====
	Hispanic, all races	2009	67.1	2020	68.7	-0.2	No change	No progress	Non-Hispanic, White	76.4	68.7	32.6	Worse
	Non-Hispanic, all races	2009	62.2	2018	74.2	-2.9	Improving	6 years			-----	-----	-----
	Non-Hispanic, Black	2009	58.2	2020	68.8	-1.4	Improving	20 years			68.8	32.2	Worse
Income	400% of PG or more	2009	68.1	2020	79.5	-3.6	Improving	Reached	=====	=====	=====	=====	=====
	Less than 100% of PG	2009	61.7	2020	61.8	0.0	No change	No progress	400% of PG or more	79.5	61.8	86.3	Worse
	100-199% of PG	2009	63.3	2020	70.1	-0.5	No change	No progress			70.1	45.9	Worse
	200-399% of PG	2009	62.7	2020	75.0	-2.4	Improving	6 years			75.0	22.0	Worse
	500% of PG or more	2012	69.0	2020	84.3	-6.0	Improving	Reached			84.3	-23.4	Better
Health insurance	Any private	2019	79.3	2020	81.1	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	73.5	2020	73.2	-----	-----	No Benchmark	Any private	81.1	73.2	41.8	Worse
	Medicaid only	2019	68.3	2020	66.1	-----	-----	No Benchmark			66.1	79.4	Worse
	Uninsured	2019	50.0	2020	52.8	-----	-----	No Benchmark			52.8	149.7	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2019	73.1	2020	72.8	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Nonmetropolitan	2019	69.9	2020	70.0	-----	-----	No Benchmark	Metropolitan	72.8	70.0	10.3	Same
Gender	Male	2009	62.9	2020	72.8	-1.9	Improving	11 years	=====	=====	=====	=====	=====
	Female	2009	64.3	2020	72.2	-1.7	Improving	13 years	Male	72.8	72.2	2.2	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.56. Measure: Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine

Source: National Immunization Survey

Benchmark was 90.6 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2001	82.1	2020	84.3	0.1	No change	No progress	=====	=====	=====	=====	=====
Race	White	2001	83.2	2020	85.7	0.2	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2001	76.9	2020	79.3	-1.4	No change	No progress	White	85.7	79.3	44.8	Same
	Asian	2001	83.6	2020	87.9	-0.6	No change	No progress			87.9	-15.4	Same
	NHPI	2005	93.6	2018	88.6	0.6	No change	No progress			-----	-----	-----
	Black	2001	77.2	2020	79.6	0.1	No change	No progress			79.6	42.7	Worse
	Multiple races	2001	82.1	2020	81.2	0.0	No change	No progress			81.2	31.5	Worse
Ethnicity	Non-Hispanic, White	2001	83.5	2020	87.0	0.2	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2001	82.5	2020	82.3	-0.1	No change	No progress	Non-Hispanic, White	87.0	82.3	36.2	Worse
	Non-Hispanic, all races	2001	82.1	2018	85.3	0.0	No change	No progress			-----	-----	-----
	Non-Hispanic, Black	2001	76.5	2020	80.6	0.0	No change	No progress			80.6	49.2	Worse
Income	400% of PG or more	2001	88.4	2020	90.0	0.3	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2001	76.5	2020	77.2	0.2	No change	No progress	400% of PG or more	90.0	77.2	128.0	Worse
	100-199% of PG	2001	78.9	2020	81.4	0.2	No change	No progress			81.4	86.0	Worse
	200-399% of PG	2001	83.7	2020	86.1	0.1	No change	No progress			86.1	39.0	Worse
	500% of PG or more	2012	84.4	2020	92.9	-5.3	Improving	No progress			92.9	-29.0	Better
Health insurance	Any private	2019	87.3	2020	90.9	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	83.8	2020	84.8	-----	-----	No Benchmark	Any private	90.9	84.8	67.0	Worse
	Medicaid only	2019	80.5	2020	79.4	-----	-----	No Benchmark			79.4	126.4	Worse
	Uninsured	2019	69.5	2020	70.3	-----	-----	No Benchmark			70.3	226.4	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2019	83.8	2020	84.8	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Nonmetropolitan	2019	79.8	2020	80.6	-----	-----	No Benchmark	Metropolitan	84.8	80.6	27.6	Worse
Gender	Male	2001	82.0	2020	84.2	0.1	No change	No progress	=====	=====	=====	=====	=====
	Female	2001	82.3	2020	84.5	0.1	No change	No progress	Male	84.2	84.5	-1.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.57. Measure: Children ages 19-35 months who received 3 or more doses of polio vaccine

Source: National Immunization Survey

Benchmark was 97.3 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2001	89.4	2020	93.9	-1.6	Improving	More than 20 years	=====	=====	=====	=====	=====
Race	White	2001	90.2	2020	94.5	-1.6	Improving	More than 20 years	=====	=====	=====	=====	=====
	AI/AN	2001	87.9	2020	91.2	-1.9	No change	No progress	White	94.5	91.2	60.0	Same
	Asian	2001	89.9	2020	95.4	-3.0	Improving	9 years			95.4	-16.4	Same
	NHPI	2001	86.7	2019	91.9	0.2	No change	No progress			-----	-----	-----
	Black	2001	85.9	2020	91.2	-1.7	Improving	More than 20 years			91.2	60.0	Worse
	Multiple races	2001	87.7	2020	93.7	-1.7	Improving	More than 20 years			93.7	14.5	Same
Ethnicity	Non-Hispanic, White	2001	90.1	2020	95.1	-1.7	Improving	17 years	=====	=====	=====	=====	=====
	Hispanic, all races	2001	90.7	2020	92.8	-1.2	Improving	No progress	Non-Hispanic, White	95.1	92.8	46.9	Worse
	Non-Hispanic, all races	2001	89.0	2018	92.7	-2.2	Improving	More than 20 years			-----	-----	-----
	Non-Hispanic, Black	2001	85.2	2020	91.8	-2.2	Improving	More than 20 years			91.8	67.3	Worse
Income	400% of PG or more	2001	92.3	2020	96.5	-2.7	Improving	6 years	=====	=====	=====	=====	=====
	Less than 100% of PG	2001	87.4	2020	89.8	-0.9	No change	No progress	400% of PG or more	96.5	89.8	191.4	Worse
	100-199% of PG	2001	88.5	2020	92.8	-1.2	No change	No progress			92.8	105.7	Worse
	200-399% of PG	2001	89.6	2020	95.4	-2.4	Improving	11 years			95.4	31.4	Same
	500% of PG or more	2012	94.1	2020	97.7	-8.0	Improving	Reached			97.7	-34.3	Same
Health insurance	Any private	2019	95.0	2020	96.6	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	92.6	2020	94.0	-----	-----	No Benchmark	Any private	96.6	94.0	76.5	Worse
	Medicaid only	2019	90.4	2020	92.0	-----	-----	No Benchmark			92.0	135.3	Worse
	Uninsured	2019	84.2	2020	88.5	-----	-----	No Benchmark			88.5	238.2	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2019	92.4	2020	93.8	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Nonmetropolitan	2019	91.5	2020	94.3	-----	-----	No Benchmark	Metropolitan	93.8	94.3	-8.1	Same
Gender	Male	2001	89.3	2020	93.2	-1.6	Improving	More than 20 years	=====	=====	=====	=====	=====
	Female	2001	89.6	2020	94.5	-1.7	Improving	More than 20 years	Male	93.2	94.5	-19.1	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.58. Measure: Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine

Source: National Immunization Survey

Benchmark was 96.4 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2001	91.4	2020	92.9	0.2	No change	No progress	=====	=====	=====	=====	=====
Race	White	2001	91.9	2020	93.5	0.0	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2001	91.2	2020	88.8	-0.2	No change	No progress	White	93.5	88.8	72.3	Same
	Asian	2001	90.6	2020	94.1	-0.2	No change	No progress			94.1	-9.2	Same
	NHPI	2001	86.2	2020	88.6	2.6	No change	No progress			88.6	75.4	Same
	Black	2001	89.7	2020	90.3	0.5	No change	No progress			90.3	49.2	Worse
	Multiple races	2001	89.6	2020	92.9	-0.2	No change	No progress			92.9	9.2	Same
Ethnicity	Non-Hispanic, White	2001	91.8	2020	94.4	0.1	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2001	92.1	2020	91.3	0.4	No change	No progress	Non-Hispanic, White	94.4	91.3	55.4	Worse
	Non-Hispanic, all races	2001	91.2	2018	92.6	-0.5	No change	No progress			-----	-----	-----
	Non-Hispanic, Black	2001	89.4	2020	90.5	0.4	No change	No progress			90.5	69.6	Worse
Income	400% of PG or more	2001	94.4	2020	94.8	0.2	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2001	89.1	2020	89.5	0.8	No change	No progress	400% of PG or more	94.8	89.5	101.9	Worse
	100-199% of PG	2001	90.3	2020	92.0	0.0	No change	No progress			92.0	53.8	Worse
	200-399% of PG	2001	91.3	2020	93.6	0.3	No change	No progress			93.6	23.1	Same
	500% of PG or more	2012	91.5	2020	96.9	-6.2	Improving	No progress			96.9	-40.4	Better
Health insurance	Any private	2019	93.3	2020	95.8	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	91.5	2020	93.2	-----	-----	No Benchmark	Any private	95.8	93.2	61.9	Worse
	Medicaid only	2019	89.7	2020	91.3	-----	-----	No Benchmark			91.3	107.1	Worse
	Uninsured	2019	83.9	2020	83.1	-----	-----	No Benchmark			83.1	302.4	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2019	91.3	2020	93.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Nonmetropolitan	2019	90.7	2020	92.3	-----	-----	No Benchmark	Metropolitan	93.0	92.3	10.0	Same
Gender	Male	2001	91.2	2020	92.5	0.2	No change	No progress	=====	=====	=====	=====	=====
	Female	2001	91.6	2020	93.3	0.3	No change	No progress	Male	92.5	93.3	-10.7	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.59. Measure: Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine

Source: National Immunization Survey

Benchmark was 96.4 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2001	88.9	2020	92.8	0.0	No change	No progress	=====	=====	=====	=====	=====
Race	White	2001	89.7	2020	93.2	0.1	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2001	86.9	2020	87.8	0.6	No change	No progress	White	93.2	87.8	79.4	Same
	Asian	2001	89.3	2020	93.7	-0.3	No change	No progress			93.7	-7.4	Same
	NHPI	2001	93.4	2019	90.8	1.4	No change	No progress			-----	-----	-----
	Black	2001	85.0	2020	90.9	-0.5	No change	No progress			90.9	33.8	Same
	Multiple races	2001	87.9	2020	93.3	-0.8	No change	No progress			93.3	-1.5	Same
Ethnicity	Non-Hispanic, White	2001	89.6	2020	93.7	0.1	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2001	89.8	2020	91.4	0.3	No change	No progress	Non-Hispanic, White	93.7	91.4	36.5	Worse
	Non-Hispanic, all races	2001	88.7	2018	90.9	-0.2	No change	No progress			-----	-----	-----
	Non-Hispanic, Black	2001	85.0	2020	92.4	-1.2	Improving	No progress			92.4	20.6	Same
Income	400% of PG or more	2001	91.9	2020	94.9	-0.2	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2001	86.5	2020	89.6	-0.1	No change	No progress	400% of PG or more	94.9	89.6	103.9	Worse
	100-199% of PG	2001	88.7	2020	92.5	0.2	No change	No progress			92.5	47.1	Worse
	200-399% of PG	2001	88.2	2020	94.1	-0.3	No change	No progress			94.1	15.7	Same
	500% of PG or more	2012	92.7	2020	95.0	-4.3	Improving	No progress			95.0	-2.0	Same
Health insurance	Any private	2019	93.1	2020	94.4	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	91.6	2020	93.0	-----	-----	No Benchmark	Any private	94.4	93.0	25.0	Worse
	Medicaid only	2019	90.1	2020	91.9	-----	-----	No Benchmark			91.9	44.6	Worse
	Uninsured	2019	83.7	2020	87.2	-----	-----	No Benchmark			87.2	128.6	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2019	91.3	2020	92.7	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Nonmetropolitan	2019	91.5	2020	93.9	-----	-----	No Benchmark	Metropolitan	92.7	93.9	-16.4	Same
Gender	Male	2001	89.4	2020	92.3	0.1	No change	No progress	=====	=====	=====	=====	=====
	Female	2001	88.4	2020	93.3	-0.2	No change	No progress	Male	92.3	93.3	-13.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.60. Measure: Children ages 19-35 months who received 1 or more doses of varicella vaccine

Source: National Immunization Survey

Benchmark was 95.7 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2001	76.3	2020	92.7	-4.1	Improving	6 years	=====	=====	=====	=====	=====
Race	White	2001	76.1	2020	93.3	-4.6	Improving	4 years	=====	=====	=====	=====	=====
	AI/AN	2001	69.7	2020	87.6	-4.7	Improving	11 years	White	93.3	87.6	85.1	Same
	Asian	2001	82.3	2020	95.3	-4.2	Improving	1 year			95.3	-29.9	Same
	NHPI	2005	92.8	2020	88.8	5.0	No change	No progress			88.8	67.2	Same
	Black	2001	76.5	2020	90.2	-3.1	Improving	13 years			90.2	46.3	Worse
	Multiple races	2001	75.6	2020	91.6	-3.1	Improving	9 years			91.6	25.4	Same
Ethnicity	Non-Hispanic, White	2001	74.7	2020	93.9	-4.7	Improving	3 years	=====	=====	=====	=====	=====
	Hispanic, all races	2001	80.3	2020	91.6	-3.5	Improving	10 years	Non-Hispanic, White	93.9	91.6	37.7	Worse
	Non-Hispanic, all races	2001	75.2	2018	92.1	-5.8	Improving	5 years			-----	-----	-----
	Non-Hispanic, Black	2001	75.7	2020	90.5	-3.1	Improving	12 years			90.5	55.7	Worse
Income	400% of PG or more	2001	81.7	2020	94.0	-4.7	Improving	4 years	=====	=====	=====	=====	=====
	Less than 100% of PG	2001	74.0	2020	89.4	-3.1	Improving	14 years	400% of PG or more	94.0	89.4	76.7	Worse
	100-199% of PG	2001	74.4	2020	92.0	-3.9	Improving	6 years			92.0	33.3	Same
	200-399% of PG	2001	75.5	2020	93.3	-4.4	Improving	4 years			93.3	11.7	Same
	500% of PG or more	2012	92.0	2020	96.7	-6.4	Improving	Reached			96.7	-45.0	Better
Health insurance	Any private	2019	93.1	2020	95.3	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	91.3	2020	93.0	-----	-----	No Benchmark	Any private	95.3	93.0	48.9	Worse
	Medicaid only	2019	89.6	2020	91.1	-----	-----	No Benchmark			91.1	89.4	Worse
	Uninsured	2019	81.5	2020	81.1	-----	-----	No Benchmark			81.1	302.1	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2019	91.1	2020	92.8	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Nonmetropolitan	2019	89.9	2020	91.3	-----	-----	No Benchmark	Metropolitan	92.8	91.3	20.8	Same
Gender	Male	2001	76.7	2020	92.5	-4.1	Improving	6 years	=====	=====	=====	=====	=====
	Female	2001	76.0	2020	92.8	-4.1	Improving	6 years	Male	92.5	92.8	-4.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.61. Measure: Children ages 19-35 months who received 4 or more doses of pneumococcal conjugate vaccine

Source: National Immunization Survey

Benchmark was 90.8 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2010	83.3	2020	83.2	0.2	No change	No progress	=====	=====	=====	=====	=====
Race	White	2010	84.4	2020	84.9	-0.2	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2010	81.7	2020	75.7	1.4	No change	No progress	White	84.9	75.7	60.9	Worse
	Asian	2010	79.7	2020	84.0	-1.9	No change	No progress			84.0	6.0	Same
	NHPI	2010	85.5	2018	88.9	4.5	No change	No progress			-----	-----	-----
	Black	2010	79.6	2020	76.9	1.2	No change	No progress			76.9	53.0	Worse
	Multiple races	2010	81.7	2020	82.5	1.3	No change	No progress			82.5	15.9	Same
Ethnicity	Non-Hispanic, White	2010	84.2	2020	86.2	-1.0	Improving	More than 20 years	=====	=====	=====	=====	=====
	Hispanic, all races	2010	83.9	2020	80.6	1.7	Worsening	No progress	Non-Hispanic, White	86.2	80.6	40.6	Worse
	Non-Hispanic, all races	2010	83.1	2018	82.3	1.1	No change	No progress			-----	-----	-----
	Non-Hispanic, Black	2010	79.7	2020	78.2	0.9	No change	No progress			78.2	58.0	Worse
Income	400% of PG or more	2010	88.8	2020	89.4	0.8	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2010	78.9	2020	74.1	1.6	Worsening	No progress	400% of PG or more	89.4	74.1	144.3	Worse
	100-199% of PG	2010	83.2	2020	80.7	1.9	Worsening	No progress			80.7	82.1	Worse
	200-399% of PG	2010	84.4	2020	85.3	0.7	No change	No progress			85.3	38.7	Worse
	500% of PG or more	2012	82.6	2020	93.5	-7.7	Improving	Reached			93.5	-38.7	Better
Health insurance	Any private	2019	88.5	2020	90.6	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	83.1	2020	83.8	-----	-----	No Benchmark	Any private	90.6	83.8	72.3	Worse
	Medicaid only	2019	78.1	2020	77.8	-----	-----	No Benchmark			77.8	136.2	Worse
	Uninsured	2019	63.2	2020	65.6	-----	-----	No Benchmark			65.6	266.0	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2019	82.7	2020	83.4	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Nonmetropolitan	2019	80.6	2020	82.2	-----	-----	No Benchmark	Metropolitan	83.4	82.2	7.2	Same
Gender	Male	2010	82.8	2020	83.7	-0.1	No change	No progress	=====	=====	=====	=====	=====
	Female	2010	83.9	2020	82.7	0.7	No change	No progress	Male	83.7	82.7	6.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.62. Measure: Children ages 19-35 months who received full series *Haemophilus influenzae* type B

Source: National Immunization Survey

Benchmark was 88.5 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2009	54.8	2020	82.3	-5.4	Improving	4 years	=====	=====	=====	=====	=====
Race	White	2009	55.4	2020	83.7	-5.9	Improving	3 years	=====	=====	=====	=====	=====
	AI/AN	2009	52.1	2020	73.8	-5.5	Improving	No progress	White	83.7	73.8	60.7	Worse
	Asian	2009	56.8	2020	84.7	-6.2	Improving	2 years			84.7	-6.1	Same
	NHPI	2009	64.5	2018	86.5	-8.3	No change	No progress			-----	-----	-----
	Black	2009	51.3	2020	78.2	-4.6	Improving	7 years			78.2	33.7	Worse
	Multiple races	2009	54.1	2020	79.4	-4.0	No change	No progress			79.4	26.4	Worse
Ethnicity	Non-Hispanic, White	2009	55.3	2020	85.8	-6.6	Improving	2 years	=====	=====	=====	=====	=====
	Hispanic, all races	2009	55.4	2020	78.6	-4.4	Improving	7 years	Non-Hispanic, White	85.8	78.6	50.7	Worse
	Non-Hispanic, all races	2009	54.6	2018	82.1	-8.1	Improving	3 years			-----	-----	-----
	Non-Hispanic, Black	2009	51.2	2020	78.8	-4.6	Improving	7 years			78.8	49.3	Worse
Income	400% of PG or more	2009	58.6	2020	88.4	-6.6	Improving	0 years	=====	=====	=====	=====	=====
	Less than 100% of PG	2009	51.5	2020	73.2	-3.4	Improving	No progress	400% of PG or more	88.4	73.2	131.0	Worse
	100-199% of PG	2009	54.3	2020	80.2	-4.3	Improving	6 years			80.2	70.7	Worse
	200-399% of PG	2009	56.3	2020	84.7	-6.0	Improving	2 years			84.7	31.9	Worse
	500% of PG or more	2012	79.8	2020	91.9	-6.5	Improving	Reached			91.9	-30.2	Better
Health insurance	Any private	2019	86.5	2020	89.9	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	81.5	2020	83.0	-----	-----	No Benchmark	Any private	89.9	83.0	68.3	Worse
	Medicaid only	2019	76.9	2020	77.1	-----	-----	No Benchmark			77.1	126.7	Worse
	Uninsured	2019	65.6	2020	62.4	-----	-----	No Benchmark			62.4	272.3	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2019	80.9	2020	82.5	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Nonmetropolitan	2019	81.7	2020	81.1	-----	-----	No Benchmark	Metropolitan	82.5	81.1	8.0	Same
Gender	Male	2009	54.9	2020	82.1	-5.5	Improving	4 years	=====	=====	=====	=====	=====
	Female	2009	54.8	2020	82.5	-5.4	Improving	4 years	Male	82.1	82.5	-2.2	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.63. Measure: Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine

Source: National Immunization Survey - Teen

Benchmark was 95.4 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2008	43.9	2020	88.5	-11.9	Improving	2 years	=====	=====	=====	=====	=====
Race	White	2008	43.1	2020	88.5	-12.0	Improving	2 years	=====	=====	=====	=====	=====
	AI/AN	2008	51.8	2020	90.9	-14.8	Improving	1 year	White	88.5	90.9	-20.9	Same
	Asian	2008	44.3	2020	87.9	-12.3	Improving	3 years			87.9	5.2	Same
	NHPI	2008	46.8	2020	91.9	-14.1	Improving	1 year			91.9	-29.6	Same
	Black	2008	46.8	2020	88.0	-11.7	Improving	2 years			88.0	4.3	Same
	Multiple races	2008	41.2	2020	89.2	-12.9	Improving	2 years			89.2	-6.1	Same
	Ethnicity	Non-Hispanic, White	2008	40.7	2020	88.7	-12.2	Improving	2 years	=====	=====	=====	=====
Hispanic, all races		2008	50.6	2020	88.1	-11.0	Improving	3 years	Non-Hispanic, White	88.7	88.1	5.3	Same
Non-Hispanic, all races		2008	45.2	2018	85.6	-11.0	Improving	3 years			-----	-----	-----
Non-Hispanic, Black		2008	46.7	2020	88.3	-11.9	Improving	2 years			88.3	3.5	Same
Income	400% of PG or more	2008	51.3	2020	88.3	-10.5	Improving	3 years	=====	=====	=====	=====	=====
	Less than 100% of PG	2008	44.7	2020	88.0	-12.4	Improving	2 years	400% of PG or more	88.3	88.0	2.6	Same
	100-199% of PG	2008	35.6	2020	86.6	-11.4	Improving	3 years			86.6	14.5	Same
	200-399% of PG	2008	41.3	2020	89.6	-12.0	Improving	2 years			89.6	-11.1	Same
	500% of PG or more	2008	42.9	2020	89.6	-13.6	Improving	2 years			89.6	-11.1	Same
Health insurance	Any private	2019	89.7	2020	89.6	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	89.5	2020	88.7	-----	-----	No Benchmark	Any private	89.6	88.7	8.7	Same
	Medicaid only	2019	89.3	2020	87.5	-----	-----	No Benchmark			87.5	20.2	Same
	Uninsured	2019	80.1	2020	84.0	-----	-----	No Benchmark			84.0	53.8	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2008	47.1	2020	89.0	-11.6	Improving	2 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2008	27.1	2020	84.0	-11.9	Improving	3 years	Metropolitan	89.0	84.0	45.5	Worse
Gender	Male	2008	42.4	2020	88.5	-12.0	Improving	2 years	=====	=====	=====	=====	=====
	Female	2008	45.4	2020	88.5	-11.9	Improving	2 years	Male	88.5	88.5	0.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.64. Measure: Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine

Source: National Immunization Survey - Teen

Benchmark was 96.2 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2008	38.6	2020	90.6	-13.5	Improving	1 year	=====	=====	=====	=====	=====
Race	White	2008	38.2	2020	90.2	-13.6	Improving	2 years	=====	=====	=====	=====	=====
	AI/AN	2008	46.9	2020	98.0	-22.3	Improving	Reached	White	90.2	98.0	-79.6	Better
	Asian	2008	55.5	2020	89.8	-13.0	Improving	2 years			89.8	4.1	Same
	NHPI	2010	87.2	2020	95.6	-----	-----	No Benchmark			95.6	-55.1	Same
	Black	2008	37.9	2020	91.4	-14.2	Improving	1 year			91.4	-12.2	Same
	Multiple races	2008	37.0	2020	91.1	-14.1	Improving	1 year			91.1	-9.2	Same
	Ethnicity	Non-Hispanic, White	2008	38.3	2020	90.2	-13.3	Improving	2 years	=====	=====	=====	=====
Hispanic, all races		2008	39.5	2020	90.7	-13.6	Improving	2 years	Non-Hispanic, White	90.2	90.7	-5.1	Same
Non-Hispanic, all races		2008	41.2	2018	86.8	-13.6	Improving	2 years			-----	-----	-----
Non-Hispanic, Black		2008	38.0	2020	91.1	-14.2	Improving	1 year			91.1	-9.2	Same
Income	400% of PG or more	2008	46.8	2020	89.6	-12.3	Improving	2 years	=====	=====	=====	=====	=====
	Less than 100% of PG	2008	33.9	2020	90.2	-13.7	Improving	2 years	400% of PG or more	89.6	90.2	-5.8	Same
	100-199% of PG	2008	31.9	2020	89.9	-13.9	Improving	1 year			89.9	-2.9	Same
	200-399% of PG	2008	36.3	2020	89.3	-13.1	Improving	2 years			89.3	2.9	Same
	500% of PG or more	2008	38.2	2020	93.1	-14.4	Improving	1 year			93.1	-33.7	Same
Health insurance	Any private	2019	88.5	2020	91.1	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	88.9	2020	90.7	-----	-----	No Benchmark	Any private	91.1	90.7	4.5	Same
	Medicaid only	2019	90.6	2020	90.3	-----	-----	No Benchmark			90.3	9.0	Same
	Uninsured	2019	82.8	2020	88.1	-----	-----	No Benchmark			88.1	33.7	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2008	42.1	2020	90.9	-13.2	Improving	2 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2008	22.0	2020	88.5	-13.1	Improving	2 years	Metropolitan	90.9	88.5	26.4	Same
Gender	Male	2008	38.7	2020	90.0	-13.2	Improving	2 years	=====	=====	=====	=====	=====
	Female	2008	38.5	2020	91.3	-13.8	Improving	1 year	Male	90.0	91.3	-13.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.65. Measure: Adolescent females ages 13-15 who received 3 doses of human papillomavirus vaccine or 2 doses when the first dose was received before age 15

Source: National Immunization Survey - Teen

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	54.6	2020	56.4	-----	-----	=====					
Race	White	2019	54.0	2020	54.3	-----	-----	=====					
	Black	2019	55.1	2020	62.5	-----	-----	=====	White	54.3	62.5	-17.9	Better
	Multiple races	2019	56.4	2020	54.3	-----	-----	=====			54.3	0.0	Same
Ethnicity	Non-Hispanic, White	2019	50.2	2020	51.0	-----	-----	=====					
	Hispanic, all races	2019	62.3	2020	63.2	-----	-----	=====	Non-Hispanic, White	51.0	63.2	-24.9	Better
	Non-Hispanic, Black	2019	54.8	2020	62.9	-----	-----	=====			62.9	-24.3	Better
Income	400% of PG or more	2019	57.7	2020	51.8	-----	-----	=====					
	Less than 100% of PG	2019	62.2	2020	57.7	-----	-----	=====	400% of PG or more	51.8	57.7	-12.2	Same
	100-199% of PG	2019	50.8	2020	55.5	-----	-----	=====			55.5	-7.7	Same
	200-399% of PG	2019	47.5	2020	52.6	-----	-----	=====			52.6	-1.7	Same
	500% of PG or more	2019	54.9	2020	60.8	-----	-----	=====			60.8	-18.7	Better
Health insurance	Any private	2019	53.1	2020	55.8	-----	-----	=====					
	Insured	2019	55.7	2020	56.6	-----	-----	=====	Any private	55.8	56.6	-1.8	Same
	Medicaid only	2019	61.0	2020	58.5	-----	-----	=====			58.5	-6.1	Same
	Uninsured	2019	28.3	2019	28.3	-----	-----	=====			-----	-----	-----
Metropolitan status	Metropolitan	2019	55.6	2020	57.2	-----	-----	=====					
	Nonmetropolitan	2019	45.3	2020	49.0	-----	-----	=====	Metropolitan	57.2	49.0	19.2	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.66. Measure: Adolescent females ages 16-17 who received 3 doses of human papillomavirus vaccine or 2 doses when the first dose was received before age 15

Source: National Immunization Survey - Teen

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	60.4	2020	69.4	-----	-----	=====					
Race	White	2019	61.1	2020	67.7	-----	-----	=====					
	Black	2020	67.0	2020	67.0	-----	-----	=====	White	67.7	67.0	2.2	Same
	Multiple races	2020	79.6	2020	79.6	-----	-----	=====			79.6	-36.8	Better
Ethnicity	Non-Hispanic, White	2019	59.5	2020	66.8	-----	-----	=====					
	Hispanic, all races	2019	63.7	2020	74.7	-----	-----	=====	Non-Hispanic, White	66.8	74.7	-23.8	Better
	Non-Hispanic, Black	2020	65.7	2020	65.7	-----	-----	=====			65.7	3.3	Same
Income	400% of PG or more	2019	58.0	2020	75.6	-----	-----	=====					
	Less than 100% of PG	2019	55.5	2020	69.6	-----	-----	=====	400% of PG or more	75.6	69.6	24.6	Same
	100-199% of PG	2019	64.0	2020	66.5	-----	-----	=====			66.5	37.3	Same
	200-399% of PG	2019	51.7	2020	64.2	-----	-----	=====			64.2	46.7	Worse
	500% of PG or more	2019	69.8	2020	72.9	-----	-----	=====			72.9	11.1	Same
Health insurance	Any private	2019	60.8	2020	70.8	-----	-----	=====					
	Insured	2019	61.3	2020	70.0	-----	-----	=====	Any private	70.8	70.0	2.7	Same
	Medicaid only	2019	62.3	2020	70.4	-----	-----	=====			70.4	1.4	Same
Metropolitan status	Metropolitan	2019	61.2	2020	71.4	-----	-----	=====					
	Nonmetropolitan	2019	54.2	2020	52.4	-----	-----	=====	Metropolitan	71.4	52.4	66.4	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.67. Measure: Adolescent males ages 13-15 who received 3 doses of human papillomavirus vaccine or 2 doses when the first dose was received before age 15

Source: National Immunization Survey - Teen

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening Disparities: ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	50.0	2020	52.6	-----	-----	=====					
Race	White	2019	48.0	2020	51.7	-----	-----	=====					
	Black	2019	54.4	2020	53.3	-----	-----	=====	White	51.7	53.3	-3.3	Same
	Multiple races	2019	51.5	2020	54.0	-----	-----	=====			54.0	-4.8	Same
Ethnicity	Non-Hispanic, White	2019	45.8	2020	51.1	-----	-----	=====					
	Hispanic, all races	2019	53.5	2020	52.6	-----	-----	=====	Non-Hispanic, White	51.1	52.6	-3.1	Same
	Non-Hispanic, Black	2019	53.4	2020	54.5	-----	-----	=====			54.5	-7.0	Same
Income	400% of PG or more	2019	46.3	2020	51.9	-----	-----	=====					
	Less than 100% of PG	2019	52.8	2020	55.9	-----	-----	=====	400% of PG or more	51.9	55.9	-8.3	Same
	100-199% of PG	2019	50.8	2020	49.7	-----	-----	=====			49.7	4.6	Same
	200-399% of PG	2019	47.6	2020	46.7	-----	-----	=====			46.7	10.8	Same
	500% of PG or more	2019	49.8	2020	57.0	-----	-----	=====			57.0	-10.6	Same
Health insurance	Any private	2019	47.9	2020	52.5	-----	-----	=====					
	Insured	2019	50.6	2020	53.5	-----	-----	=====	Any private	52.5	53.5	-2.1	Same
	Medicaid only	2019	55.6	2020	54.1	-----	-----	=====			54.1	-3.4	Same
	Uninsured	2019	31.5	2019	31.5	-----	-----	=====			-----	-----	-----
Metropolitan status	Metropolitan	2019	50.7	2020	53.6	-----	-----	=====					
	Nonmetropolitan	2019	44.3	2020	44.0	-----	-----	=====	Metropolitan	53.6	44.0	20.7	Worse

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.68. Measure: Adolescent males ages 16-17 who received 3 doses of human papillomavirus vaccine or 2 doses when the first dose was received before age 15

Source: National Immunization Survey - Teen

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	54.6	2020	61.0	-----	-----	=====					
Race	White	2019	55.7	2020	60.1	-----	-----	=====					
	Black	2019	57.9	2020	63.4	-----	-----	=====	White	60.1	63.4	-8.3	Same
	Multiple races	2020	63.1	2020	63.1	-----	-----	=====			63.1	-7.5	Same
Ethnicity	Non-Hispanic, White	2019	54.7	2020	57.8	-----	-----	=====					
	Hispanic, all races	2019	53.0	2020	65.9	-----	-----	=====	Non-Hispanic, White	57.8	65.9	-19.2	Better
	Non-Hispanic, Black	2019	58.1	2020	62.1	-----	-----	=====			62.1	-10.2	Same
Income	400% of PG or more	2019	60.9	2020	59.0	-----	-----	=====					
	Less than 100% of PG	2019	54.8	2020	65.0	-----	-----	=====	400% of PG or more	59.0	65.0	-14.6	Same
	100-199% of PG	2019	51.1	2020	54.9	-----	-----	=====			54.9	10.0	Same
	200-399% of PG	2019	50.5	2020	60.1	-----	-----	=====			60.1	-2.7	Same
	500% of PG or more	2019	58.3	2020	63.0	-----	-----	=====			63.0	-9.8	Same
Health insurance	Any private	2019	52.9	2020	59.9	-----	-----	=====					
	Insured	2019	54.8	2020	62.0	-----	-----	=====	Any private	59.9	62.0	-5.2	Same
	Medicaid only	2019	59.5	2020	67.9	-----	-----	=====			67.9	-20.0	Better
Metropolitan status	Metropolitan	2019	55.4	2020	61.6	-----	-----	=====					
	Nonmetropolitan	2019	47.9	2020	55.3	-----	-----	=====	Metropolitan	61.6	55.3	16.4	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.69. Measure: Adolescents ages 13-15 years who received 3 doses of human papillomavirus vaccine or 2 doses when the first dose was received before age 15

Source: National Immunization Survey - Teen

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	52.3	2020	54.5	-----	-----	=====					
Race	White	2019	51.0	2020	53.0	-----	-----	=====					
	Asian	2019	65.2	2020	58.9	-----	-----	=====	White	53.0	58.9	-12.6	Same
	Black	2019	54.7	2020	57.9	-----	-----	=====			57.9	-10.4	Same
	Multiple races	2019	54.0	2020	54.2	-----	-----	=====			54.2	-2.6	Same
Ethnicity	Non-Hispanic, White	2019	47.9	2020	51.0	-----	-----	=====					
	Hispanic, all races	2019	58.1	2020	57.6	-----	-----	=====	Non-Hispanic, White	51.0	57.6	-13.5	Better
	Non-Hispanic, Black	2019	54.1	2020	58.8	-----	-----	=====			58.8	-15.9	Better
Income	400% of PG or more	2019	51.9	2020	51.9	-----	-----	=====					
	Less than 100% of PG	2019	57.6	2020	56.8	-----	-----	=====	400% of PG or more	51.9	56.8	-10.2	Same
	100-199% of PG	2019	50.8	2020	52.5	-----	-----	=====			52.5	-1.2	Same
	200-399% of PG	2019	47.6	2020	49.7	-----	-----	=====			49.7	4.6	Same
	500% of PG or more	2019	52.2	2020	58.9	-----	-----	=====			58.9	-14.6	Better
Health insurance	Any private	2019	50.5	2020	54.2	-----	-----	=====					
	Insured	2019	53.1	2020	55.1	-----	-----	=====	Any private	54.2	55.1	-2.0	Same
	Medicaid only	2019	58.2	2020	56.2	-----	-----	=====			56.2	-4.4	Same
	Uninsured	2019	29.8	2020	41.5	-----	-----	=====			41.5	27.7	Worse
Metropolitan status	Metropolitan	2019	53.1	2020	55.4	-----	-----	=====					
	Nonmetropolitan	2019	44.8	2020	46.5	-----	-----	=====	Metropolitan	55.4	46.5	20.0	Worse
Gender	Male	2019	50.0	2020	52.6	-----	-----	=====					
	Female	2019	54.6	2020	56.4	-----	-----	=====	Male	52.6	56.4	-8.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.70. Measure: Adolescents ages 16-17 years who received 3 doses of human papillomavirus vaccine or 2 doses when the first dose was received before age 15

Source: National Immunization Survey - Teen

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	57.3	2020	65.0	-----	-----	=====					
Race	White	2019	58.3	2020	63.6	-----	-----	=====					
	Black	2019	54.6	2020	65.2	-----	-----	=====	White	63.6	65.2	-4.4	Same
	Multiple races	2020	72.5	2020	72.5	-----	-----	=====			72.5	-24.5	Better
Ethnicity	Non-Hispanic, White	2019	57.0	2020	62.1	-----	-----	=====					
	Hispanic, all races	2019	58.0	2020	69.9	-----	-----	=====	Non-Hispanic, White	62.1	69.9	-20.6	Better
	Non-Hispanic, Black	2019	54.7	2020	63.9	-----	-----	=====			63.9	-4.7	Same
Income	400% of PG or more	2019	59.6	2020	67.1	-----	-----	=====					
	Less than 100% of PG	2019	55.1	2020	67.3	-----	-----	=====	400% of PG or more	67.1	67.3	-0.6	Same
	100-199% of PG	2019	56.9	2020	60.5	-----	-----	=====			60.5	20.1	Same
	200-399% of PG	2019	51.0	2020	61.9	-----	-----	=====			61.9	15.8	Same
	500% of PG or more	2019	64.2	2020	67.9	-----	-----	=====			67.9	-2.4	Same
Health insurance	Any private	2019	56.8	2020	65.1	-----	-----	=====					
	Insured	2019	58.0	2020	65.8	-----	-----	=====	Any private	65.1	65.8	-2.0	Same
	Medicaid only	2019	60.7	2020	69.0	-----	-----	=====			69.0	-11.2	Same
Metropolitan status	Metropolitan	2019	58.1	2020	66.2	-----	-----	=====					
	Nonmetropolitan	2019	51.0	2020	53.8	-----	-----	=====	Metropolitan	66.2	53.8	36.7	Worse
Gender	Male	2019	54.6	2020	61.0	-----	-----	=====					
	Female	2019	60.4	2020	69.4	-----	-----	=====	Male	61.0	69.4	-21.5	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.71. Measure: Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis since the age of 10 years

Source: National Immunization Survey - Teen

Benchmark was 95.2 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2008	46.7	2020	89.7	-11.4	Improving	2 years	=====	=====	=====	=====	=====
Race	White	2008	48.0	2020	90.2	-11.5	Improving	2 years	=====	=====	=====	=====	=====
	AI/AN	2008	44.3	2019	87.4	-9.8	No change	3 years	White	90.2	-----	-----	-----
	Asian	2008	43.2	2020	87.9	-9.6	Improving	3 years			87.9	23.5	Same
	NHPI	2010	68.0	2020	91.3	-----	-----	No Benchmark			91.3	-11.2	Same
	Black	2008	43.3	2020	88.5	-11.4	Improving	2 years			88.5	17.3	Same
	Multiple races	2008	40.2	2020	88.8	-13.4	Improving	2 years			88.8	14.3	Same
Ethnicity	Non-Hispanic, White	2008	47.4	2020	90.8	-12.1	Improving	2 years	=====	=====	=====	=====	=====
	Hispanic, all races	2008	48.5	2020	87.9	-10.2	Improving	3 years	Non-Hispanic, White	90.8	87.9	31.5	Same
	Non-Hispanic, all races	2008	44.4	2018	89.6	-12.4	Improving	2 years			-----	-----	-----
	Non-Hispanic, Black	2008	42.4	2020	88.3	-11.4	Improving	2 years			88.3	27.2	Same
Income	400% of PG or more	2008	54.5	2020	91.1	-10.3	Improving	2 years	=====	=====	=====	=====	=====
	Less than 100% of PG	2008	42.9	2020	90.5	-12.5	Improving	2 years	400% of PG or more	91.1	90.5	6.7	Same
	100-199% of PG	2008	41.0	2020	86.6	-10.5	Improving	3 years			86.6	50.6	Worse
	200-399% of PG	2008	45.3	2020	89.4	-11.3	Improving	2 years			89.4	19.1	Same
	500% of PG or more	2008	45.4	2020	90.9	-12.9	Improving	2 years			90.9	2.2	Same
Health insurance	Any private	2019	92.1	2020	91.2	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	91.1	2020	89.9	-----	-----	No Benchmark	Any private	91.2	89.9	14.8	Same
	Medicaid only	2019	89.7	2020	88.1	-----	-----	No Benchmark			88.1	35.2	Worse
	Uninsured	2019	83.7	2020	84.9	-----	-----	No Benchmark			84.9	71.6	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2008	48.0	2020	89.6	-10.9	Improving	2 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2008	39.9	2020	90.7	-12.8	Improving	1 year	Metropolitan	89.6	90.7	-10.6	Same
Gender	Male	2008	47.0	2020	90.1	-11.5	Improving	2 years	=====	=====	=====	=====	=====
	Female	2008	46.4	2020	89.3	-11.3	Improving	2 years	Male	90.1	89.3	8.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.72. Measure: Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis since the age of 10 years

Source: National Immunization Survey - Teen

Benchmark was 95.9 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2008	31.9	2020	90.7	-14.6	Improving	1 year	=====	=====	=====	=====	=====
Race	White	2008	32.7	2020	90.5	-14.9	Improving	1 year	=====	=====	=====	=====	=====
	AI/AN	2008	43.7	2019	89.6	-14.5	Improving	2 years	White	90.5	-----	-----	-----
	Asian	2008	38.4	2020	96.2	-14.7	Improving	Reached			96.2	-60.0	Better
	NHPI	2008	41.9	2020	93.1	-18.1	Improving	1 year			93.1	-27.4	Same
	Black	2008	26.5	2020	90.1	-15.5	Improving	1 year			90.1	4.2	Same
	Multiple races	2008	33.0	2020	89.6	-14.5	Improving	1 year			89.6	9.5	Same
Ethnicity	Non-Hispanic, White	2008	33.7	2020	92.6	-16.1	Improving	1 year	=====	=====	=====	=====	=====
	Hispanic, all races	2008	29.4	2020	87.2	-12.0	Improving	2 years	Non-Hispanic, White	92.6	87.2	73.0	Worse
	Non-Hispanic, all races	2008	32.9	2018	86.4	-15.5	Improving	2 years			-----	-----	-----
	Non-Hispanic, Black	2008	26.9	2020	90.1	-15.7	Improving	1 year			90.1	33.8	Same
Income	400% of PG or more	2008	36.5	2020	92.9	-15.2	Improving	1 year	=====	=====	=====	=====	=====
	Less than 100% of PG	2008	31.4	2020	88.3	-13.4	Improving	2 years	400% of PG or more	92.9	88.3	64.8	Worse
	100-199% of PG	2008	25.8	2020	91.3	-15.3	Improving	1 year			91.3	22.5	Same
	200-399% of PG	2008	31.5	2020	89.6	-14.7	Improving	2 years			89.6	46.5	Same
	500% of PG or more	2008	30.8	2020	92.6	-15.4	Improving	1 year			92.6	4.2	Same
Health insurance	Any private	2019	89.7	2020	92.0	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	89.7	2020	90.8	-----	-----	No Benchmark	Any private	92.0	90.8	15.0	Same
	Medicaid only	2019	89.4	2020	88.9	-----	-----	No Benchmark			88.9	38.8	Same
	Uninsured	2019	79.7	2020	89.0	-----	-----	No Benchmark			89.0	37.5	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2008	33.0	2020	90.7	-14.1	Improving	1 year	=====	=====	=====	=====	=====
	Nonmetropolitan	2008	26.8	2020	90.6	-15.9	Improving	1 year	Metropolitan	90.7	90.6	1.1	Same
Gender	Male	2008	30.9	2020	89.6	-13.9	Improving	2 years	=====	=====	=====	=====	=====
	Female	2008	33.0	2020	91.9	-15.6	Improving	1 year	Male	89.6	91.9	-22.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.73. Measure: Children ages 6 months to 17 years who received influenza vaccination in the last flu season
 Source: National Health Interview Survey
 Benchmark was not available.
 Disparity Year: 2019-2020
 Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019-2020	58.0	2019-2020	58.0	-----	-----	=====	=====	=====	=====	=====	=====
Race	White	2019-2020	59.7	2019-2020	59.7	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2019-2020	57.0	2019-2020	57.0	-----	-----	=====	White	59.7	57.0	6.7	Same
	Asian	2019-2020	66.1	2019-2020	66.1	-----	-----	=====			66.1	-15.9	Same
	Black	2019-2020	47.0	2019-2020	47.0	-----	-----	=====			47.0	31.5	Worse
	Multiple races	2019-2020	65.5	2019-2020	65.5	-----	-----	=====			65.5	-14.4	Same
Ethnicity	Non-Hispanic, White	2019-2020	59.1	2019-2020	59.1	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2019-2020	59.7	2019-2020	59.7	-----	-----	=====	Non-Hispanic, White	59.1	59.7	-1.5	Same
	Non-Hispanic, all races	2019-2020	57.5	2019-2020	57.5	-----	-----	=====			57.5	3.9	Same
	Non-Hispanic, AI/AN	2019-2020	61.5	2019-2020	61.5	-----	-----	=====			61.5	-5.9	Same
	Non-Hispanic, Asian	2019-2020	65.6	2019-2020	65.6	-----	-----	=====			65.6	-15.9	Same
	Non-Hispanic, Black	2019-2020	47.1	2019-2020	47.1	-----	-----	=====			47.1	29.3	Worse
	Non-Hispanic, multiple races	2019-2020	65.0	2019-2020	65.0	-----	-----	=====			65.0	-14.4	Same
Income	400% of PG or more	2019-2020	65.5	2019-2020	65.5	-----	-----	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2019-2020	53.1	2019-2020	53.1	-----	-----	=====	400% of PG or more	65.5	53.1	35.9	Worse
	100-199% of PG	2019-2020	52.7	2019-2020	52.7	-----	-----	=====			52.7	37.1	Worse
	200-399% of PG	2019-2020	57.3	2019-2020	57.3	-----	-----	=====			57.3	23.8	Worse
Health insurance	Any private	2019-2020	60.8	2019-2020	60.8	-----	-----	=====	=====	=====	=====	=====	=====
	Insured	2019-2020	58.0	2019-2020	58.0	-----	-----	=====	Any private	60.8	58.0	7.1	Same
	Public only	2019-2020	57.6	2019-2020	57.6	-----	-----	=====			57.6	8.2	Same
	Uninsured	2019-2020	42.1	2019-2020	42.1	-----	-----	=====			42.1	47.7	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2019-2020	59.0	2019-2020	59.0	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2019-2020	51.9	2019-2020	51.9	-----	-----	=====	Metropolitan	59.0	51.9	17.3	Worse
Age	6 months - 5 years	2019-2020	66.0	2019-2020	66.0	-----	-----	=====	=====	=====	=====	=====	=====
	6-17	2019-2020	59.6	2019-2020	59.6	-----	-----	=====	6 months - 5 years	66.0	59.6	18.8	Worse
	12-17	2019-2020	48.4	2019-2020	48.4	-----	-----	=====			48.4	51.8	Worse
Gender	Male	2019-2020	56.5	2019-2020	56.5	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019-2020	59.5	2019-2020	59.5	-----	-----	=====	Male	56.5	59.5	-6.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.74. Measure: Adolescents ages 13-15 years (excluding adolescents who have had varicella) vaccinated with at least 2 doses of varicella vaccine

Source: National Immunization Survey - Teen

Benchmark was 95.7 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2008	36.7	2020	92.7	-16.2	Improving	1 year	=====	=====	=====	=====	=====
Race	White	2008	37.5	2020	92.7	-16.2	Improving	1 year	=====	=====	=====	=====	=====
	AI/AN	2009	41.6	2020	97.4	-18.3	Improving	Reached	White	92.7	97.4	-64.4	Better
	Asian	2008	29.8	2020	94.0	-14.1	Improving	1 year			94.0	-17.8	Same
	NHPI	2008	62.5	2019	97.6	-----	-----	No Benchmark			-----	-----	-----
	Black	2008	33.7	2020	91.9	-16.9	Improving	1 year			91.9	11.0	Same
	Multiple races	2008	35.7	2020	92.4	-15.4	Improving	1 year			92.4	4.1	Same
Ethnicity	Non-Hispanic, White	2008	34.7	2020	93.8	-17.6	Improving	0 years	=====	=====	=====	=====	=====
	Hispanic, all races	2008	42.5	2020	90.4	-13.4	Improving	2 years	Non-Hispanic, White	93.8	90.4	54.8	Worse
	Non-Hispanic, all races	2008	43.0	2018	91.2	-15.0	Improving	1 year			-----	-----	-----
	Non-Hispanic, Black	2008	32.9	2020	91.7	-17.0	Improving	1 year			91.7	33.9	Same
Income	400% of PG or more	2008	39.3	2020	90.7	-14.3	Improving	1 year	=====	=====	=====	=====	=====
	Less than 100% of PG	2008	37.6	2020	92.1	-16.6	Improving	1 year	400% of PG or more	90.7	92.1	-15.1	Same
	100-199% of PG	2008	31.3	2020	92.3	-16.7	Improving	1 year			92.3	-17.2	Same
	200-399% of PG	2008	37.4	2020	92.8	-16.0	Improving	1 year			92.8	-22.6	Same
	500% of PG or more	2008	34.3	2020	94.2	-16.5	Improving	0 years			94.2	-37.6	Better
Health insurance	Any private	2019	92.5	2020	93.9	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	91.8	2020	92.7	-----	-----	No Benchmark	Any private	93.9	92.7	19.7	Same
	Medicaid only	2019	91.1	2020	90.8	-----	-----	No Benchmark			90.8	50.8	Worse
	Uninsured	2019	87.1	2020	92.2	-----	-----	No Benchmark			92.2	27.9	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2008	39.5	2020	92.6	-15.7	Improving	1 year	=====	=====	=====	=====	=====
	Nonmetropolitan	2008	19.3	2020	93.0	-18.6	Improving	0 years	Metropolitan	92.6	93.0	-5.4	Same
Gender	Male	2008	37.4	2020	93.1	-16.3	Improving	1 year	=====	=====	=====	=====	=====
	Female	2008	36.0	2020	92.2	-16.0	Improving	1 year	Male	93.1	92.2	13.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.75. Measure: Adolescents ages 16-17 years (excluding adolescents who have had varicella) vaccinated with at least 2 doses of varicella vaccine

Source: National Immunization Survey - Teen

Benchmark was 96.1 in 2015.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2008	27.6	2020	90.7	-15.5	Improving	1 year	=====	=====	=====	=====	=====
Race	White	2008	23.8	2020	90.5	-15.7	Improving	1 year	=====	=====	=====	=====	=====
	AI/AN	2010	44.6	2020	97.8	-----	-----	No Benchmark	White	90.5	97.8	-76.8	Better
	Asian	2010	39.2	2019	92.7	-17.7	Improving	1 year			-----	-----	-----
	NHPI	2011	73.2	2020	96.2	-----	-----	No Benchmark			96.2	-60.0	Better
	Black	2008	40.3	2020	89.8	-15.5	Improving	1 year			89.8	7.4	Same
	Multiple races	2009	43.5	2020	94.5	-16.9	Improving	0 years			94.5	-42.1	Better
Ethnicity	Non-Hispanic, White	2008	24.1	2020	91.7	-16.5	Improving	1 year	=====	=====	=====	=====	=====
	Hispanic, all races	2008	25.3	2020	88.9	-13.8	Improving	1 year	Non-Hispanic, White	91.7	88.9	33.7	Same
	Non-Hispanic, all races	2008	27.6	2018	84.5	-15.2	Improving	2 years			-----	-----	-----
	Non-Hispanic, Black	2008	38.9	2020	89.8	-15.7	Improving	1 year			89.8	22.9	Same
Income	400% of PG or more	2008	29.2	2020	90.2	-15.3	Improving	1 year	=====	=====	=====	=====	=====
	Less than 100% of PG	2008	36.0	2020	90.6	-15.6	Improving	1 year	400% of PG or more	90.2	90.6	-4.1	Same
	100-199% of PG	2008	23.5	2020	89.7	-15.5	Improving	1 year			89.7	5.1	Same
	200-399% of PG	2008	26.1	2020	91.0	-15.3	Improving	1 year			91.0	-8.2	Same
	500% of PG or more	2008	17.5	2020	91.2	-15.2	Improving	1 year			91.2	-10.2	Same
Health insurance	Any private	2019	88.6	2020	91.7	-----	-----	No Benchmark	=====	=====	=====	=====	=====
	Insured	2019	89.3	2020	90.6	-----	-----	No Benchmark	Any private	91.7	90.6	13.3	Same
	Medicaid only	2019	89.6	2020	89.3	-----	-----	No Benchmark			89.3	28.9	Same
	Uninsured	2020	91.2	2020	91.2	-----	-----	No Benchmark			91.2	6.0	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Metropolitan	2008	30.5	2020	90.6	-15.2	Improving	1 year	=====	=====	=====	=====	=====
	Nonmetropolitan	2008	10.6	2020	91.6	-16.9	Improving	1 year	Metropolitan	90.6	91.6	-10.6	Same
Gender	Male	2008	26.5	2020	89.2	-15.2	Improving	1 year	=====	=====	=====	=====	=====
	Female	2008	28.7	2020	92.2	-15.9	Improving	1 year	Male	89.2	92.2	-27.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.76. Measure: Children who had their height and weight measured by a health provider within the past 2 years

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	86.7	2018	89.9	-4.0	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	86.9	2018	90.5	-4.3	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2002	73.0	2016	86.8	-6.6	No change	=====	White	90.5	-----	-----	-----
	Asian	2002	83.6	2018	87.0	-4.9	Improving	=====			87.0	36.8	Same
	Black	2002	86.7	2018	88.3	-1.9	Improving	=====			88.3	23.2	Same
	Multiple races	2002	90.5	2018	90.0	-5.5	Improving	=====			90.0	5.3	Same
Ethnicity	Non-Hispanic, White	2002	88.5	2018	92.6	-5.0	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	81.7	2018	85.7	-4.3	Improving	=====	Non-Hispanic, White	92.6	85.7	93.2	Worse
	Non-Hispanic, all races	2002	87.9	2018	91.4	-4.2	Improving	=====			91.4	16.2	Same
	Non-Hispanic, Asian	2002	83.5	2018	87.1	-5.1	Improving	=====			87.1	74.3	Same
	Non-Hispanic, Black	2002	86.6	2018	88.1	-1.8	Improving	=====			88.1	60.8	Worse
	Non-Hispanic, others	2002	86.7	2018	92.2	-6.5	Improving	=====			92.2	5.4	Same
Income	400% of PG or more	2002	91.6	2018	93.3	-4.1	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	82.5	2018	86.9	-3.4	Improving	=====	400% of PG or more	93.3	86.9	95.5	Worse
	100-199% of PG	2002	84.2	2018	88.7	-4.1	Improving	=====			88.7	68.7	Worse
	200-399% of PG	2002	86.5	2018	89.0	-4.2	Improving	=====			89.0	64.2	Worse
Health insurance	Any private	2002	89.7	2018	91.6	-4.1	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	84.7	2018	88.7	-3.7	Improving	=====	Any private	91.6	88.7	34.5	Worse
	Uninsured	2002	68.1	2018	67.2	-1.8	No change	=====			67.2	290.5	Worse
Metropolitan status	Large fringe metro	2002	89.0	2018	89.1	-3.9	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	87.3	2018	90.2	-4.1	Improving	=====	Large fringe metro	89.1	90.2	-10.1	Same
	Large central metro	2002	85.3	2018	89.8	-4.5	Improving	=====			89.8	-6.4	Same
	Medium metro	2002	87.4	2018	91.8	-3.5	Improving	=====			91.8	-24.8	Same
	Small metro	2002	88.9	2018	91.0	-4.0	Improving	=====			91.0	-17.4	Same
	Nonmetropolitan	2002	83.8	2018	88.4	-3.5	Improving	=====			88.4	6.4	Same
	Micropolitan	2002	84.6	2018	89.0	-3.5	Improving	=====			89.0	0.9	Same
Noncore	2002	82.1	2018	87.2	-3.5	Improving	=====			87.2	17.4	Same	

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	0-5	2002	91.7	2018	93.1	-2.8	Improving	=====	=====	=====	=====	=====	=====
	6-17	2002	84.4	2018	88.4	-4.3	Improving	=====	0-5	93.1	88.4	68.1	Worse
Gender	Male	2002	86.9	2018	90.4	-4.1	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	86.6	2018	89.4	-3.8	Improving	=====	Male	90.4	89.4	10.4	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.77. Measure: Children ages 2-17 who had a dental visit in the calendar year

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	49.1	2019	57.1	-0.8	No change	=====	=====	=====	=====	=====	=====
Race	White	2002	52.2	2019	59.3	-0.8	No change	=====	=====	=====	=====	=====	=====
	AI/AN	2002	45.2	2015	49.1	-1.7	No change	=====	White	59.3	-----	-----	-----
	Asian	2002	38.9	2019	60.5	-1.4	Improving	=====			60.5	-2.9	Same
	Black	2002	37.1	2019	46.2	-0.9	No change	=====			46.2	32.2	Worse
	Multiple races	2002	43.7	2019	57.4	-1.1	Improving	=====			57.4	4.7	Same
Ethnicity	Non-Hispanic, White	2002	57.6	2019	63.4	-0.5	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	33.8	2019	49.7	-1.8	Improving	=====	Non-Hispanic, White	63.4	49.7	37.4	Worse
	Non-Hispanic, all races	2002	52.4	2019	59.7	-0.6	No change	=====			59.7	10.1	Worse
	Non-Hispanic, Asian	2002	38.8	2019	59.5	-1.4	Improving	=====			59.5	10.7	Same
	Non-Hispanic, Black	2002	37.0	2019	47.5	-1.0	Improving	=====			47.5	43.4	Worse
	Non-Hispanic, others	2002	46.0	2019	56.1	-0.8	No change	=====			56.1	19.9	Same
Income	400% of PG or more	2002	67.2	2019	70.3	0.1	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	33.0	2019	42.5	-1.0	Improving	=====	400% of PG or more	70.3	42.5	93.6	Worse
	100-199% of PG	2002	35.9	2019	54.8	-1.6	Improving	=====			54.8	52.2	Worse
	200-399% of PG	2002	50.5	2019	52.5	-0.4	No change	=====			52.5	59.9	Worse
Health insurance	Any private	2002	56.9	2019	63.0	-0.7	No change	=====	=====	=====	=====	=====	=====
	Public only	2002	35.8	2019	48.9	-1.2	Improving	=====	Any private	63.0	48.9	38.1	Worse
	Uninsured	2002	25.5	2019	38.1	-0.4	No change	=====			38.1	67.3	Worse
Metropolitan status	Large fringe metro	2002	53.5	2019	59.6	-0.4	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	49.0	2019	57.5	-0.9	No change	=====	Large fringe metro	59.6	57.5	5.2	Same
	Large central metro	2002	41.8	2019	56.0	-1.2	Improving	=====			56.0	8.9	Same
	Medium metro	2002	54.1	2019	57.6	-0.9	No change	=====			57.6	5.0	Same
	Small metro	2002	49.0	2019	56.1	-0.7	No change	=====			56.1	8.7	Same
	Nonmetropolitan	2002	49.5	2019	54.7	-0.4	No change	=====			54.7	12.1	Same
	Micropolitan	2002	52.5	2019	55.5	-0.5	No change	=====			55.5	10.1	Same
Noncore	2002	43.5	2019	53.6	-0.3	No change	=====			53.6	14.9	Same	

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	2-5	2002	30.5	2019	45.8	-1.2	Improving	=====	=====	=====	=====	=====	=====
	6-17	2002	55.0	2019	60.8	-0.6	No change	=====	2-5	45.8	60.8	-27.7	Better
Gender	Male	2002	48.6	2019	56.9	-0.9	No change	=====	=====	=====	=====	=====	=====
	Female	2002	49.6	2019	57.3	-0.7	No change	=====	Male	56.9	57.3	-0.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.78. Measure: Children ages 5-17 with untreated dental caries
 Source: National Health and Nutrition Examination Survey
 Benchmark was not available.
 Disparity Year: 2015-2018
 Note: Lower estimates are better for this measure. The unit of measurement is percentage.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2001-2004	23.1	2015-2018	13.0	-3.3	No change	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2001-2004	19.5	2015-2018	11.4	-2.9	No change	=====	=====	=====	=====	=====	=====
	Non-Hispanic, Black	2001-2004	28.7	2015-2018	15.6	-3.5	No change	=====	Non-Hispanic, White	11.4	15.6	36.8	Worse
Income	400% of PG or more	2001-2004	9.5	2015-2018	4.5	-4.4	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2001-2004	32.7	2015-2018	19.4	-3.3	Improving	=====	400% of PG or more	4.5	19.4	331.1	Worse
	100-199% of PG	2001-2004	33.7	2015-2018	16.9	-3.8	No change	=====			16.9	275.6	Worse
	200-399% of PG	2001-2004	18.4	2015-2018	12.1	-2.5	Improving	=====			12.1	168.9	Worse
Age	5-11	2001-2004	27.7	2015-2018	14.8	-4.0	Improving	=====	=====	=====	=====	=====	=====
	12-17	2001-2004	17.8	2015-2018	11.0	-2.0	No change	=====	5-11	14.8	11.0	-25.7	Better
Gender	Male	2001-2004	24.4	2015-2018	13.3	-3.5	No change	=====	=====	=====	=====	=====	=====
	Female	2001-2004	21.8	2015-2018	12.6	-3.1	No change	=====	Male	13.3	12.6	-5.3	Same

----- : Data were not available for the analysis.
 ===== : Not applicable.
 More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.79. Measure: Children ages 2-17 who received a preventive dental service in the calendar year

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	40.0	2019	48.7	-0.7	No change	=====	=====	=====	=====	=====	=====
Race	White	2002	42.8	2019	51.1	-0.8	No change	=====	=====	=====	=====	=====	=====
	AI/AN	2002	36.9	2015	34.7	-1.1	No change	=====	White	51.1	-----	-----	-----
	Asian	2002	29.7	2019	50.8	-1.3	Improving	=====			50.8	0.6	Same
	Black	2002	29.2	2019	37.8	-0.7	No change	=====			37.8	27.2	Worse
	Multiple races	2002	34.6	2019	48.8	-1.0	Improving	=====			48.8	4.7	Same
Ethnicity	Non-Hispanic, White	2002	48.1	2019	54.8	-0.5	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	24.8	2019	42.4	-1.6	Improving	=====	Non-Hispanic, White	54.8	42.4	27.4	Worse
	Non-Hispanic, all races	2002	43.3	2019	50.8	-0.6	No change	=====			50.8	8.8	Same
	Non-Hispanic, Asian	2002	29.6	2019	49.5	-1.3	Improving	=====			49.5	11.7	Same
	Non-Hispanic, Black	2002	29.2	2019	38.9	-0.8	No change	=====			38.9	35.2	Worse
	Non-Hispanic, others	2002	37.3	2019	45.8	-0.8	No change	=====			45.8	19.9	Same
Income	400% of PG or more	2002	56.3	2019	61.2	-0.1	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	24.7	2019	35.0	-1.0	No change	=====	400% of PG or more	61.2	35.0	67.5	Worse
	100-199% of PG	2002	27.6	2019	46.2	-1.5	Improving	=====			46.2	38.7	Worse
	200-399% of PG	2002	42.0	2019	44.4	-0.3	No change	=====			44.4	43.3	Worse
Health insurance	Any private	2002	47.8	2019	54.1	-0.6	No change	=====	=====	=====	=====	=====	=====
	Public only	2002	26.8	2019	41.2	-1.2	Improving	=====	Any private	54.1	41.2	28.1	Worse
	Uninsured	2002	16.2	2019	28.0	-0.3	No change	=====			28.0	56.9	Worse
Metropolitan status	Large fringe metro	2002	45.3	2019	50.7	-0.4	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	40.1	2019	49.2	-0.8	No change	=====	Large fringe metro	50.7	49.2	3.0	Same
	Large central metro	2002	31.3	2019	48.1	-1.1	Improving	=====			48.1	5.3	Same
	Medium metro	2002	46.3	2019	49.8	-0.7	No change	=====			49.8	1.8	Same
	Small metro	2002	41.5	2019	47.3	-0.6	No change	=====			47.3	6.9	Same
	Nonmetropolitan	2002	39.2	2019	45.1	-0.4	No change	=====			45.1	11.4	Same
	Micropolitan	2002	42.8	2019	45.8	-0.5	No change	=====			45.8	9.9	Same
	Noncore	2002	32.0	2019	44.2	-0.3	No change	=====			44.2	13.2	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	2-5	2002	24.9	2019	38.0	-1.1	Improving	=====	=====	=====	=====	=====	=====
	6-17	2002	44.8	2019	52.1	-0.6	No change	=====	2-5	38.0	52.1	-22.7	Better
Gender	Male	2002	39.8	2019	48.8	-0.8	No change	=====	=====	=====	=====	=====	=====
	Female	2002	40.2	2019	48.5	-0.6	No change	=====	Male	48.8	48.5	0.6	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.80. Measure: Children ages 3-5 who ever had their vision checked by a health provider

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	54.5	2018	70.7	-2.8	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	52.6	2018	69.1	-2.9	Improving	=====	=====	=====	=====	=====	=====
	Asian	2012	59.1	2013	77.4	-----	-----	=====	White	69.1	-----	-----	-----
	Black	2002	62.3	2018	73.3	-2.1	Improving	=====			73.3	-13.6	Same
	Multiple races	2014	68.8	2017	68.6	5.4	No change	=====			-----	-----	-----
Ethnicity	Non-Hispanic, White	2002	54.0	2018	69.2	-3.1	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	48.9	2018	70.2	-2.7	Improving	=====	Non-Hispanic, White	69.2	70.2	-3.2	Same
	Non-Hispanic, all races	2002	55.8	2018	70.8	-2.9	Improving	=====			70.8	-5.2	Same
	Non-Hispanic, Asian	2012	59.0	2012	59.0	-----	-----	=====			-----	-----	-----
	Non-Hispanic, Black	2002	61.9	2018	71.7	-1.9	Improving	=====			71.7	-8.1	Same
	Non-Hispanic, others	2015	77.0	2015	77.0	-----	-----	=====			-----	-----	-----
Income	400% of PG or more	2002	63.7	2018	76.4	-2.9	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	51.4	2018	66.4	-2.3	Improving	=====	400% of PG or more	76.4	66.4	42.4	Worse
	100-199% of PG	2002	51.1	2018	65.4	-2.4	Improving	=====			65.4	46.6	Worse
	200-399% of PG	2002	51.9	2018	71.6	-3.5	Improving	=====			71.6	20.3	Same
Health insurance	Any private	2002	56.7	2018	72.6	-2.8	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	53.7	2018	68.8	-2.8	Improving	=====	Any private	72.6	68.8	13.9	Same
	Uninsured	2002	30.9	2002	30.9	-----	-----	=====			-----	-----	-----
Metropolitan status	Large fringe metro	2002	56.3	2018	77.3	-2.9	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	54.1	2018	72.4	-3.0	Improving	=====	Large fringe metro	77.3	72.4	21.6	Same
	Large central metro	2002	52.5	2018	73.5	-3.7	Improving	=====			73.5	16.7	Same
	Medium metro	2002	58.6	2018	68.3	-2.5	Improving	=====			68.3	39.6	Same
	Small metro	2002	45.1	2018	62.0	-2.3	Improving	=====			62.0	67.4	Worse
	Nonmetropolitan	2002	56.4	2018	60.3	-2.0	Improving	=====			60.3	74.9	Worse
	Micropolitan	2002	54.5	2018	58.9	-2.4	Improving	=====			58.9	81.1	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Gender	Male	2002	52.8	2018	70.1	-3.1	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	56.2	2018	71.3	-2.6	Improving	=====	Male	70.1	71.3	-4.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.81. Measure: Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	38.8	2018	40.9	-0.7	No change	=====	=====	=====	=====	=====	=====
Race	White	2002	37.3	2018	41.4	-0.8	No change	=====	=====	=====	=====	=====	=====
	AI/AN	2002	34.9	2015	53.0	-2.4	Improving	=====	White	41.4	-----	-----	-----
	Asian	2002	26.3	2018	33.2	-0.9	No change	=====			33.2	14.0	Same
	Black	2002	47.4	2018	43.5	-0.4	No change	=====			43.5	-3.6	Same
	Multiple races	2002	51.9	2018	37.3	0.2	No change	=====			37.3	7.0	Same
Ethnicity	Non-Hispanic, White	2002	36.0	2018	38.7	-0.6	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	42.0	2018	46.4	-1.1	Improving	=====	Non-Hispanic, White	38.7	46.4	-12.6	Better
	Non-Hispanic, all races	2002	38.1	2018	39.0	-0.5	No change	=====			39.0	-0.5	Same
	Non-Hispanic, Asian	2002	25.7	2018	33.4	-0.8	No change	=====			33.4	8.6	Same
	Non-Hispanic, Black	2002	47.0	2018	42.7	-0.4	No change	=====			42.7	-6.5	Same
	Non-Hispanic, others	2002	46.5	2018	37.8	0.0	No change	=====			37.8	1.5	Same
Income	400% of PG or more	2002	30.3	2018	34.3	-0.5	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	49.1	2018	51.0	-0.9	No change	=====	400% of PG or more	34.3	51.0	-25.4	Better
	100-199% of PG	2002	45.6	2018	45.2	-0.8	No change	=====			45.2	-16.6	Better
	200-399% of PG	2002	36.0	2018	39.3	-0.8	No change	=====			39.3	-7.6	Same
Health insurance	Any private	2002	34.9	2018	35.6	-0.5	No change	=====	=====	=====	=====	=====	=====
	Public only	2002	50.4	2018	50.9	-0.6	No change	=====	Any private	35.6	50.9	-23.8	Better
	Uninsured	2002	31.1	2018	26.5	-0.2	No change	=====			26.5	14.1	Same
Metropolitan status	Large fringe metro	2002	35.0	2018	39.3	-0.8	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	38.6	2018	40.9	-0.7	No change	=====	Large fringe metro	39.3	40.9	-2.6	Same
	Large central metro	2002	39.3	2018	40.3	-0.6	No change	=====			40.3	-1.6	Same
	Medium metro	2002	41.4	2018	43.1	-0.6	No change	=====			43.1	-6.3	Same
	Small metro	2002	40.1	2018	42.4	-1.0	Improving	=====			42.4	-5.1	Same
	Nonmetropolitan	2002	39.5	2018	41.4	-0.9	No change	=====			41.4	-3.5	Same
	Micropolitan	2002	40.3	2018	37.9	-0.9	No change	=====			37.9	2.3	Same
Noncore	2002	38.1	2018	47.9	-0.8	No change	=====			47.9	-14.2	Same	

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	0-5	2002	51.0	2018	50.8	-0.7	No change	=====	=====	=====	=====	=====	=====
	6-17	2002	33.1	2018	36.1	-0.7	No change	=====	0-5	50.8	36.1	29.9	Worse
Gender	Male	2002	38.1	2018	39.6	-0.7	No change	=====	=====	=====	=====	=====	=====
	Female	2002	39.4	2018	42.3	-0.8	No change	=====	Male	39.6	42.3	-4.5	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.82. Measure: Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in the car

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	56.7	2018	59.7	-1.0	No change	=====	=====	=====	=====	=====	=====
Race	White	2002	57.8	2018	62.2	-1.2	Improving	=====	=====	=====	=====	=====	=====
	Asian	2003	58.6	2017	63.2	-0.1	No change	=====	White	62.2	-----	-----	-----
	Black	2002	56.4	2018	54.0	-0.2	No change	=====			54.0	21.7	Same
	Multiple races	2005	53.4	2018	48.5	-0.8	No change	=====			48.5	36.2	Worse
Ethnicity	Non-Hispanic, White	2002	58.5	2018	65.0	-1.3	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	55.7	2018	55.0	-0.7	No change	=====	Non-Hispanic, White	65.0	55.0	28.6	Worse
	Non-Hispanic, all races	2002	56.9	2018	61.2	-1.1	Improving	=====			61.2	10.9	Same
	Non-Hispanic, Asian	2003	58.4	2017	63.2	-0.2	No change	=====			-----	-----	-----
	Non-Hispanic, Black	2002	56.0	2018	56.2	-0.4	No change	=====			56.2	25.1	Same
	Non-Hispanic, others	2002	51.6	2018	47.3	-1.4	No change	=====			47.3	50.6	Worse
Income	400% of PG or more	2002	62.9	2018	63.1	-0.8	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	50.8	2018	63.1	-1.4	Improving	=====	400% of PG or more	63.1	63.1	0.0	Same
	100-199% of PG	2002	57.4	2018	58.6	-1.0	Improving	=====			58.6	12.2	Same
	200-399% of PG	2002	55.5	2018	54.9	-0.8	No change	=====			54.9	22.2	Same
Health insurance	Any private	2002	57.2	2018	58.3	-0.9	No change	=====	=====	=====	=====	=====	=====
	Public only	2002	57.4	2018	62.0	-1.0	No change	=====	Any private	58.3	62.0	-8.9	Same
	Uninsured	2002	45.5	2009	48.3	1.6	No change	=====			-----	-----	-----
Metropolitan status	Large fringe metro	2002	59.6	2018	60.6	-1.1	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	56.5	2018	60.1	-0.9	No change	=====	Large fringe metro	60.6	60.1	1.3	Same
	Large central metro	2002	54.1	2018	57.4	-1.0	Improving	=====			57.4	8.1	Same
	Medium metro	2002	56.9	2018	64.6	-1.0	Improving	=====			64.6	-10.2	Same
	Small metro	2002	56.2	2018	58.4	0.2	No change	=====			58.4	5.6	Same
	Nonmetropolitan	2002	57.4	2018	56.6	-1.6	Improving	=====			56.6	10.2	Same
	Micropolitan	2002	53.5	2018	55.8	-2.3	Improving	=====			55.8	12.2	Same
	Noncore	2002	66.0	2014	61.7	0.9	No change	=====			-----	-----	-----

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	0-5	2002	57.7	2018	60.2	-1.0	No change	=====	=====	=====	=====	=====	=====
	6-17	2002	34.8	2018	50.2	-1.9	Improving	=====	0-5	60.2	50.2	25.1	Same
Gender	Male	2002	57.0	2018	57.4	-0.6	No change	=====	=====	=====	=====	=====	=====
	Female	2002	56.3	2018	62.1	-1.4	Improving	=====	Male	57.4	62.1	-11.0	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.83. Measure: Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in the car

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening Disparities: ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	26.8	2018	38.0	-1.3	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	26.8	2018	41.6	-1.5	Improving	=====	=====	=====	=====	=====	=====
	Asian	2003	24.4	2018	27.1	-1.6	Improving	=====	White	41.6	27.1	24.8	Worse
	Black	2002	28.3	2018	31.5	-0.8	No change	=====			31.5	17.3	Worse
	Multiple races	2006	36.8	2018	27.7	-0.2	No change	=====			27.7	23.8	Worse
Ethnicity	Non-Hispanic, White	2002	25.7	2018	41.3	-1.5	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	30.6	2018	40.9	-1.4	Improving	=====	Non-Hispanic, White	41.3	40.9	0.7	Same
	Non-Hispanic, all races	2002	26.0	2018	37.0	-1.3	Improving	=====			37.0	7.3	Same
	Non-Hispanic, Asian	2003	24.7	2018	28.4	-1.7	Improving	=====			28.4	22.0	Worse
	Non-Hispanic, Black	2002	28.3	2018	29.4	-0.7	No change	=====			29.4	20.3	Worse
	Non-Hispanic, others	2002	21.8	2018	25.5	-1.0	No change	=====			25.5	26.9	Worse
Income	400% of PG or more	2002	29.2	2018	40.8	-1.2	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	27.6	2018	35.3	-1.2	Improving	=====	400% of PG or more	40.8	35.3	9.3	Same
	100-199% of PG	2002	25.5	2018	37.9	-1.5	Improving	=====			37.9	4.9	Same
	200-399% of PG	2002	25.4	2018	36.8	-1.3	Improving	=====			36.8	6.8	Same
Health insurance	Any private	2002	27.3	2018	38.5	-1.4	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	27.4	2018	38.5	-1.2	Improving	=====	Any private	38.5	38.5	0.0	Same
	Uninsured	2002	20.4	2013	24.1	-0.8	No change	=====			-----	-----	-----
Metropolitan status	Large fringe metro	2002	31.1	2018	39.5	-1.2	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	27.9	2018	39.5	-1.4	Improving	=====	Large fringe metro	39.5	39.5	0.0	Same
	Large central metro	2002	28.8	2018	39.1	-1.3	Improving	=====			39.1	0.7	Same
	Medium metro	2002	22.6	2018	38.7	-1.5	Improving	=====			38.7	1.3	Same
	Small metro	2002	28.0	2018	42.3	-1.8	Improving	=====			42.3	-4.6	Same
	Nonmetropolitan	2002	20.6	2018	27.4	-0.9	No change	=====			27.4	20.0	Same
	Micropolitan	2002	21.0	2018	28.3	-1.2	Improving	=====			28.3	18.5	Same
	Noncore	2002	19.8	2016	24.1	-0.6	No change	=====			-----	-----	-----

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	0-5	2002	46.8	2018	49.3	-1.4	Improving	=====	=====	=====	=====	=====	=====
	6-17	2002	21.4	2018	35.1	-1.3	Improving	=====	0-5	49.3	35.1	28.0	Worse
Gender	Male	2002	26.9	2018	37.0	-1.2	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	26.6	2018	39.1	-1.4	Improving	=====	Male	37.0	39.1	-3.3	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.84. Measure: Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	26.9	2018	31.6	-0.9	No change	=====	=====	=====	=====	=====	=====
Race	White	2002	26.5	2018	32.2	-0.9	No change	=====	=====	=====	=====	=====	=====
	Asian	2002	24.0	2018	30.6	-0.8	No change	=====	White	32.2	30.6	2.4	Same
	Black	2002	28.9	2018	27.3	-0.7	No change	=====			27.3	7.2	Same
	Multiple races	2003	21.8	2018	36.9	-1.6	Improving	=====			36.9	-6.9	Same
Ethnicity	Non-Hispanic, White	2002	25.9	2018	29.0	-0.6	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	29.4	2018	38.2	-1.4	Improving	=====	Non-Hispanic, White	29.0	38.2	-13.0	Better
	Non-Hispanic, all races	2002	26.4	2018	29.1	-0.7	No change	=====			29.1	-0.1	Same
	Non-Hispanic, Asian	2002	24.0	2018	29.8	-0.9	No change	=====			29.8	-1.1	Same
	Non-Hispanic, Black	2002	28.7	2018	27.3	-0.7	No change	=====			27.3	2.4	Same
	Non-Hispanic, others	2002	26.9	2018	35.1	-1.1	Improving	=====			35.1	-8.6	Same
Income	400% of PG or more	2002	29.9	2018	32.0	-0.5	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	25.4	2018	29.4	-0.9	No change	=====	400% of PG or more	32.0	29.4	3.8	Same
	100-199% of PG	2002	26.5	2018	34.7	-1.2	Improving	=====			34.7	-4.0	Same
	200-399% of PG	2002	25.2	2018	30.0	-1.1	Improving	=====			30.0	2.9	Same
Health insurance	Any private	2002	27.4	2018	31.9	-0.8	No change	=====	=====	=====	=====	=====	=====
	Public only	2002	27.5	2018	32.5	-1.0	No change	=====	Any private	31.9	32.5	-0.9	Same
	Uninsured	2002	21.6	2018	16.3	-0.5	No change	=====			16.3	22.9	Worse
Metropolitan status	Large fringe metro	2002	29.8	2018	39.7	-1.1	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	28.1	2018	33.3	-0.9	No change	=====	Large fringe metro	39.7	33.3	10.6	Worse
	Large central metro	2002	28.8	2018	31.1	-0.6	No change	=====			31.1	14.3	Worse
	Medium metro	2002	29.4	2018	30.7	-0.9	No change	=====			30.7	14.9	Worse
	Small metro	2002	18.3	2018	29.0	-1.8	Improving	=====			29.0	17.7	Worse
	Nonmetropolitan	2002	20.2	2018	20.7	-0.6	No change	=====			20.7	31.5	Worse
	Micropolitan	2002	22.1	2018	19.1	-0.5	No change	=====			19.1	34.2	Worse
	Noncore	2002	16.3	2018	24.1	-1.0	No change	=====			24.1	25.9	Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	6-17	2002	26.9	2018	31.6	-0.9	No change	=====	=====	=====	=====	=====	=====
Gender	Male	2002	26.0	2018	31.1	-1.0	No change	=====	=====	=====	=====	=====	=====
	Female	2002	27.9	2018	32.0	-0.8	No change	=====	Male	31.1	32.0	-1.3	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.85. Measure: Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle

Source: Medical Expenditure Panel Survey

Benchmark was not available.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	31.2	2018	34.4	-0.6	No change	=====	=====	=====	=====	=====	=====
Race	White	2002	31.5	2018	35.8	-0.6	No change	=====	=====	=====	=====	=====	=====
	AI/AN	2008	31.1	2015	31.8	-0.2	No change	=====	White	35.8	-----	-----	-----
	Asian	2002	29.2	2018	32.3	-0.9	No change	=====			32.3	5.5	Same
	Black	2002	30.5	2018	30.2	-0.3	No change	=====			30.2	8.7	Same
	Multiple races	2002	32.3	2018	31.4	-0.8	No change	=====			31.4	6.9	Same
Ethnicity	Non-Hispanic, White	2002	32.3	2018	35.2	-0.5	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	29.1	2018	36.8	-1.1	Improving	=====	Non-Hispanic, White	35.2	36.8	-2.5	Same
	Non-Hispanic, all races	2002	31.6	2018	33.5	-0.5	No change	=====			33.5	2.6	Same
	Non-Hispanic, Asian	2002	29.1	2018	32.0	-1.0	No change	=====			32.0	4.9	Same
	Non-Hispanic, Black	2002	30.2	2018	29.8	-0.3	No change	=====			29.8	8.3	Same
	Non-Hispanic, others	2002	27.5	2018	29.0	-0.6	No change	=====			29.0	9.6	Same
Income	400% of PG or more	2002	37.2	2018	37.0	-0.3	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	27.1	2018	31.1	-0.7	No change	=====	400% of PG or more	37.0	31.1	9.4	Same
	100-199% of PG	2002	28.8	2018	34.1	-0.7	No change	=====			34.1	4.6	Same
	200-399% of PG	2002	29.7	2018	33.6	-0.7	No change	=====			33.6	5.4	Same
Health insurance	Any private	2002	33.5	2018	34.8	-0.5	No change	=====	=====	=====	=====	=====	=====
	Public only	2002	28.8	2018	34.9	-0.7	No change	=====	Any private	34.8	34.9	-0.2	Same
	Uninsured	2002	18.9	2018	16.9	-0.3	No change	=====			16.9	27.5	Worse
Metropolitan status	Large fringe metro	2002	36.7	2018	39.8	-0.7	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	32.6	2018	35.9	-0.6	No change	=====	Large fringe metro	39.8	35.9	6.5	Same
	Large central metro	2002	32.6	2018	34.7	-0.4	No change	=====			34.7	8.5	Same
	Medium metro	2002	32.7	2018	34.4	-0.6	No change	=====			34.4	9.0	Same
	Small metro	2002	21.0	2018	32.0	-1.3	Improving	=====			32.0	13.0	Worse
	Nonmetropolitan	2002	22.8	2018	24.5	-0.5	No change	=====			24.5	25.4	Worse
	Micropolitan	2002	24.0	2018	21.7	-0.5	No change	=====			21.7	30.1	Worse
	Noncore	2002	20.3	2018	29.8	-0.4	No change	=====			29.8	16.6	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	2-5	2002	32.8	2018	36.2	-0.5	No change	=====	=====	=====	=====	=====	=====
	6-17	2002	30.6	2018	33.8	-0.6	No change	=====	2-5	36.2	33.8	3.8	Same
Gender	Male	2002	31.3	2018	34.6	-0.6	No change	=====	=====	=====	=====	=====	=====
	Female	2002	30.9	2018	34.2	-0.6	No change	=====	Male	34.6	34.2	0.6	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.86. Measure: Children ages 0-17 with a wellness checkup in the past 12 months

Source: National Health Interview Survey

Benchmark was not available.

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2019	93.8	2020	91.7	-----	-----	=====	=====	=====	=====	=====	=====
Race	White	2019	93.6	2020	91.2	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2019	92.8	2019	92.8	-----	-----	=====	White	91.2	-----	-----	-----
	Asian	2019	94.5	2020	91.1	-----	-----	=====			91.1	1.1	Same
	Black	2019	95.3	2020	93.0	-----	-----	=====			93.0	-20.5	Same
	Multiple races	2019	93.6	2020	94.5	-----	-----	=====			94.5	-37.5	Better
Ethnicity	Non-Hispanic, White	2019	93.8	2020	90.9	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2019	93.5	2020	92.3	-----	-----	=====	Non-Hispanic, White	90.9	92.3	-15.4	Same
	Non-Hispanic, all races	2019	93.9	2020	91.6	-----	-----	=====			91.6	-7.7	Same
	Non-Hispanic, Black	2019	95.3	2020	93.4	-----	-----	=====			93.4	-27.5	Same
Income	400% of PG or more	2019	95.0	2020	92.8	-----	-----	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2019	94.3	2020	92.0	-----	-----	=====	400% of PG or more	92.8	92.0	11.1	Same
	100-199% of PG	2019	93.4	2020	89.6	-----	-----	=====			89.6	44.4	Worse
	200-399% of PG	2019	92.7	2020	92.1	-----	-----	=====			92.1	9.7	Same
Health insurance	Any private	2019	94.6	2020	92.4	-----	-----	=====	=====	=====	=====	=====	=====
	Public only	2019	95.2	2020	93.5	-----	-----	=====	Any private	92.4	93.5	-14.5	Same
	Uninsured	2019	74.1	2020	69.9	-----	-----	=====			69.9	296.1	Worse
Metropolitan status	Large fringe metro	2019	94.9	2020	91.4	-----	-----	=====	=====	=====	=====	=====	=====
	Metropolitan	2019	94.2	2020	92.3	-----	-----	=====	Large fringe metro	91.4	92.3	-10.5	Same
	Large central metro	2019	93.8	2020	92.2	-----	-----	=====			92.2	-9.3	Same
	Medium metro	2019	94.1	2020	93.1	-----	-----	=====			93.1	-19.8	Same
	Small metro	2019	93.6	2020	93.8	-----	-----	=====			93.8	-27.9	Same
	Micropolitan	2019	91.4	2020	88.0	-----	-----	=====			88.0	39.5	Same
	Noncore	2019	91.7	2020	87.7	-----	-----	=====			87.7	43.0	Same

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Age	0-5	2019	97.1	2020	97.0	-----	-----	=====	=====	=====	=====	=====	=====
	6-11	2019	92.9	2020	89.3	-----	-----	=====	0-5	97.0	89.3	256.7	Worse
	12-17	2019	91.5	2020	89.3	-----	-----	=====			89.3	256.7	Worse
Gender	Male	2019	93.6	2020	90.9	-----	-----	=====	=====	=====	=====	=====	=====
	Female	2019	94.0	2020	92.7	-----	-----	=====	Male	90.9	92.7	-19.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.87. Measure: Long-stay nursing home patients who were assessed and appropriately given the seasonal influenza vaccine

Source: Minimum Data Set

Benchmark was 93.9 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	90.0	2019	92.4	-4.4	Improving	4 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	90.8	2019	92.9	-4.3	Improving	3 years	=====	=====	=====	=====	=====
	Hispanic, all races	2013	88.0	2019	93.4	-9.2	Improving	1 year	Non-Hispanic, White	92.9	93.4	-7.0	Same
	Non-Hispanic, AI/AN	2013	90.3	2019	93.1	-5.8	Improving	2 years			93.1	-2.8	Same
	Non-Hispanic, Asian	2013	90.8	2019	94.3	-7.3	Improving	Reached			94.3	-19.7	Better
	Non-Hispanic, NHPI	2013	90.8	2019	92.7	-5.4	Improving	3 years			92.7	2.8	Same
	Non-Hispanic, Black	2013	86.3	2019	89.0	-3.7	Improving	10 years			89.0	54.9	Worse
	Non-Hispanic, multiple races	2013	89.4	2019	93.9	-7.3	Improving	0 years			93.9	-14.1	Better
	Metropolitan status	Metropolitan	2013	89.2	2019	91.9	-4.5	Improving	5 years	=====	=====	=====	=====
Nonmetropolitan		2013	92.5	2019	94.1	-4.3	Improving	Reached	Metropolitan	91.9	94.1	-27.2	Better
Age	0-64	2013	88.3	2019	91.0	-4.1	Improving	7 years	=====	=====	=====	=====	=====
	65-74	2013	88.9	2019	91.7	-4.8	Improving	5 years	0-64	91.0	91.7	-7.8	Same
	75-84	2013	90.0	2019	92.4	-4.5	Improving	4 years			92.4	-15.6	Better
	85 and over	2013	90.9	2019	93.3	-5.0	Improving	2 years			93.3	-25.6	Better
Gender	Male	2013	89.6	2019	91.9	-4.2	Improving	5 years	=====	=====	=====	=====	=====
	Female	2013	90.2	2019	92.7	-4.7	Improving	3 years	Male	91.9	92.7	-9.9	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.88. Measure: Long-stay nursing home residents who were assessed for pneumococcal vaccination

Source: Minimum Data Set

Benchmark was 97.0 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	93.8	2019	92.7	3.2	Worsening	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	94.6	2019	93.3	4.1	Worsening	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2013	91.3	2019	92.9	-3.5	Improving	14 years	Non-Hispanic, White	93.3	92.9	6.0	Same
	Non-Hispanic, AI/AN	2013	92.6	2019	91.7	2.1	No change	No progress			91.7	23.9	Worse
	Non-Hispanic, Asian	2013	94.5	2019	94.1	1.2	No change	No progress			94.1	-11.9	Better
	Non-Hispanic, NHPI	2013	93.5	2019	91.6	5.1	Worsening	No progress			91.6	25.4	Worse
	Non-Hispanic, Black	2013	90.9	2019	89.9	2.1	Worsening	No progress			89.9	50.7	Worse
	Non-Hispanic, multiple races	2013	91.9	2019	93.5	-1.6	No change	No progress			93.5	-3.0	Same
Metropolitan status	Metropolitan	2013	93.3	2019	92.1	3.0	Worsening	No progress	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	95.5	2019	94.7	3.4	Worsening	No progress	Metropolitan	92.1	94.7	-32.9	Better
Age	0-64	2013	91.0	2019	89.9	2.1	Worsening	No progress	=====	=====	=====	=====	=====
	65-74	2013	92.8	2019	91.6	2.7	Worsening	No progress	0-64	89.9	91.6	-16.8	Better
	75-84	2013	94.0	2019	92.9	3.2	Worsening	No progress			92.9	-29.7	Better
	85 and over	2013	95.2	2019	94.3	3.3	Worsening	No progress			94.3	-43.6	Better
Gender	Male	2013	92.8	2019	91.7	2.7	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2013	94.3	2019	93.2	3.4	Worsening	No progress	Male	91.7	93.2	-18.1	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.89. Measure: Short-stay nursing home patients who had flu vaccination appropriately given

Source: Minimum Data Set

Benchmark was 92.2 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	86.8	2019	86.6	-0.2	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	88.3	2019	88.1	-0.2	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2013	78.6	2019	85.0	-5.8	Improving	7 years	Non-Hispanic, White	88.1	85.0	26.1	Worse
	Non-Hispanic, AI/AN	2013	84.9	2019	84.4	0.2	No change	No progress			84.4	31.1	Worse
	Non-Hispanic, Asian	2013	83.8	2019	88.7	-6.2	Improving	4 years			88.7	-5.0	Same
	Non-Hispanic, NHPI	2013	83.3	2019	84.4	-2.1	No change	No progress			84.4	31.1	Worse
	Non-Hispanic, Black	2013	79.3	2019	78.3	0.4	No change	No progress			78.3	82.4	Worse
	Non-Hispanic, multiple races	2013	86.6	2019	89.6	-5.7	Improving	4 years			89.6	-12.6	Better
Metropolitan status	Metropolitan	2013	86.3	2019	86.3	-0.3	No change	No progress	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	89.0	2019	88.8	-0.6	No change	No progress	Metropolitan	86.3	88.8	-18.2	Better
Age	0-64	2013	81.4	2019	80.8	0.4	No change	No progress	=====	=====	=====	=====	=====
	65-74	2013	86.1	2019	85.8	0.1	No change	No progress	0-64	80.8	85.8	-26.0	Better
	75-84	2013	87.8	2019	87.7	-0.4	No change	No progress			87.7	-35.9	Better
	85 and over	2013	88.5	2019	88.8	-0.9	No change	More than 20 years			88.8	-41.7	Better
Gender	Male	2013	85.7	2019	85.7	-0.4	No change	No progress	=====	=====	=====	=====	=====
	Female	2013	87.5	2019	87.3	-0.2	No change	No progress	Male	85.7	87.3	-11.2	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.90. Measure: Short-stay nursing home residents who were assessed for pneumococcal vaccination

Source: Minimum Data Set

Benchmark was 91.4 in 2015.

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	85.6	2019	86.3	-0.9	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2013	87.0	2019	87.4	-0.6	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2013	80.8	2019	87.2	-6.6	Improving	4 years	Non-Hispanic, White	87.4	87.2	1.6	Same
	Non-Hispanic, AI/AN	2013	81.5	2019	83.1	-1.9	Improving	More than 20 years			83.1	34.1	Worse
	Non-Hispanic, Asian	2013	81.9	2019	87.8	-6.7	Improving	3 years			87.8	-3.2	Same
	Non-Hispanic, NHPI	2013	84.2	2019	86.3	-2.8	No change	No progress			86.3	8.7	Same
	Non-Hispanic, Black	2013	80.4	2019	80.6	-0.3	No change	No progress			80.6	54.0	Worse
	Non-Hispanic, multiple races	2013	83.9	2019	88.2	-5.9	Improving	4 years			88.2	-6.3	Same
Metropolitan status	Metropolitan	2013	85.4	2019	86.3	-1.2	Improving	No progress	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	86.7	2019	86.4	0.4	No change	No progress	Metropolitan	86.3	86.4	-0.7	Same
Age	0-64	2013	80.5	2019	81.6	-1.0	No change	No progress	=====	=====	=====	=====	=====
	65-74	2013	85.8	2019	86.1	-0.4	No change	No progress	0-64	81.6	86.1	-24.5	Better
	75-84	2013	86.9	2019	87.6	-1.1	No change	No progress			87.6	-32.6	Better
	85 and over	2013	86.9	2019	87.7	-1.1	No change	No progress			87.7	-33.2	Better
Gender	Male	2013	84.3	2019	85.4	-1.3	Improving	No progress	=====	=====	=====	=====	=====
	Female	2013	86.5	2019	87.0	-0.7	No change	No progress	Male	85.4	87.0	-11.0	Better

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.91. Measure: Home health care patients who had influenza vaccination during flu season

Source: Outcome and Assessment Information Set

Benchmark was 94.1 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2015	87.3	2020	94.9	-14.7	Improving	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2015	89.0	2020	95.5	-14.3	Improving	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2015	78.8	2020	91.4	-15.1	Improving	1 year	Non-Hispanic, White	95.5	91.4	91.1	Worse
	Non-Hispanic, AI/AN	2015	84.6	2020	93.5	-14.2	Improving	No progress			93.5	44.4	Worse
	Non-Hispanic, Asian	2015	84.6	2020	94.0	-15.6	Improving	0 years			94.0	33.3	Worse
	Non-Hispanic, NHPI	2015	85.9	2020	94.2	-14.5	Improving	No progress			94.2	28.9	Worse
	Non-Hispanic, Black	2015	82.8	2020	93.1	-14.9	Improving	No progress			93.1	53.3	Worse
	Non-Hispanic, multiple races	2015	84.6	2020	93.9	-14.8	Improving	No progress			93.9	35.6	Worse
Age	0-64	2015	84.2	2020	93.3	-13.9	Improving	No progress	=====	=====	=====	=====	=====
	65-74	2015	87.2	2020	94.8	-14.4	Improving	No progress	0-64	93.3	94.8	-22.4	Better
	75-84	2015	87.8	2020	95.2	-15.0	Improving	No progress			95.2	-28.4	Better
	85 and over	2015	88.5	2020	95.4	-14.8	Improving	No progress			95.4	-31.3	Better
Gender	Male	2015	87.1	2020	94.7	-14.2	Improving	No progress	=====	=====	=====	=====	=====
	Female	2015	87.4	2020	94.9	-14.7	Improving	No progress	Male	94.7	94.9	-3.8	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 7.92. Measure: Home health care patients who had pneumococcal polysaccharide vaccination

Source: Outcome and Assessment Information Set

Benchmark was 83.8 in 2015.

Disparity Year: 2018

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Rate	Current Year	Current Rate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Rate for Reference Group	Rate for Comparison Group	Relative Difference	Disparities
Total	Total	2015	84.0	2020	82.6	2.6	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2015	75.1	2020	84.5	-9.3	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2015	81.1	2020	74.0	9.2	Worsening	No progress	Non-Hispanic, White	84.5	74.0	67.7	Worse
	Non-Hispanic, AI/AN	2015	82.1	2020	78.7	5.0	Worsening	No progress			78.7	37.4	Worse
	Non-Hispanic, Asian	2015	83.5	2020	82.5	3.1	No change	No progress			82.5	12.9	Worse
	Non-Hispanic, NHPI	2015	75.2	2020	80.0	-4.1	No change	No progress			80.0	29.0	Worse
	Non-Hispanic, Black	2015	81.8	2020	75.9	7.5	Worsening	No progress			75.9	55.5	Worse
	Non-Hispanic, multiple races	2015	86.2	2020	80.0	9.4	Worsening	No progress			80.0	29.0	Worse
Age	0-64	2015	64.8	2020	71.1	-4.2	Improving	9 years	=====	=====	=====	=====	=====
	65-74	2015	84.0	2020	80.9	5.0	No change	No progress	0-64	71.1	80.9	-33.9	Better
	75-84	2015	88.1	2020	84.8	6.7	No change	No progress			84.8	-47.4	Better
	85 and over	2015	89.8	2020	86.3	8.0	No change	No progress			86.3	-52.6	Better
Gender	Male	2015	84.5	2020	81.8	4.5	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2015	83.1	2020	83.1	0.7	No change	No progress	Male	81.8	83.1	-7.1	Same

----- : Data were not available for the analysis.

===== : Not applicable.

More data are available at <https://datatools.ahrq.gov/nhqdr>.

Measure Category: 8. Supplemental Measures
Subcategory: Access

Appendix Table 8.1. Short-term acute hospital discharges where expected payer is Medicaid or uninsured

Source: Healthcare Cost and Utilization Project

Benchmark: Not available

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	26.5	2019	26.7	0.2	No change	=====	=====	=====	=====	=====	=====

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.2. Cost of short-term acute hospital charges where expected payer is Medicaid or uninsured

Source: Healthcare Cost and Utilization Project

Benchmark: Not available

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is average cost in dollars.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	21.1	2019	22.8	1.1	Worsening	=====	=====	=====	=====	=====	=====

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqr>.

**Measure Category: 8. Supplemental Measures
Subcategory: Person-Centered Care**

Appendix Table 8.3. Composite measure: Children who had a doctor's office or clinic visit in the last 12 months whose health providers always listened carefully, explained things clearly, respected what they or their parents had to say, and spent enough time with them

Source: Medical Expenditure Panel Survey

Benchmark: Not available

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	72.5	2019	85.1	-3.6	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	72.8	2019	85.1	-3.6	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2009	78.4	2009	78.4	-----	-----	=====	White	85.1	-----	-----	-----
	Asian	2002	61.2	2019	85.7	-6.2	Improving	=====			85.7	-4.0	Same
	Black	2002	75.4	2019	84.7	-3.4	Improving	=====			84.7	2.7	Same
	Multiple races	2002	60.3	2019	87.1	-4.9	Improving	=====			87.1	-13.4	Same
Ethnicity	Non-Hispanic, White	2002	74.0	2019	84.9	-3.6	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	68.4	2019	86.2	-4.1	Improving	=====	Non-Hispanic, White	84.9	86.2	-8.6	Same
	Non-Hispanic, all races	2002	73.3	2019	84.8	-3.6	Improving	=====			84.8	0.7	Same
	Non-Hispanic, Asian	2002	60.5	2019	85.2	-6.0	Improving	=====			85.2	-2.0	Same
	Non-Hispanic, Black	2002	75.4	2019	84.3	-3.4	Improving	=====			84.3	4.0	Same
	Non-Hispanic, others	2002	63.4	2019	84.9	-4.3	Improving	=====			84.9	0.0	Same
Income	400% of PG or more	2002	76.8	2019	86.3	-3.4	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	68.1	2019	81.6	-3.7	Improving	=====	400% of PG or more	86.3	81.6	34.3	Worse
	100-199% of PG	2002	71.1	2019	85.2	-3.7	Improving	=====			85.2	8.0	Same
	200-399% of PG	2002	71.7	2019	85.3	-3.8	Improving	=====			85.3	7.3	Same
Health insurance	Any private	2002	73.8	2019	85.9	-3.9	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	69.7	2019	83.5	-3.5	Improving	=====	Any private	85.9	83.5	17.0	Same
	Uninsured	2002	69.6	2016	82.3	-4.1	Improving	=====			-----	-----	-----

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2002	75.5	2019	86.4	-3.2	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	72.2	2019	85.2	-3.7	Improving	=====	Large fringe metro	86.4	85.2	8.8	Same
	Large central metro	2002	69.4	2019	84.1	-4.1	Improving	=====			84.1	16.9	Same
	Medium metro	2002	72.1	2019	86.3	-4.3	Improving	=====			86.3	0.7	Same
	Small metro	2002	71.7	2019	83.2	-2.9	Improving	=====			83.2	23.5	Same
	Nonmetropolitan	2002	74.5	2019	84.6	-3.2	Improving	=====			84.6	13.2	Same
	Micropolitan	2002	75.5	2019	86.6	-2.9	Improving	=====			86.6	-1.5	Same
	Noncore	2002	72.4	2019	81.8	-4.0	Improving	=====			81.8	33.8	Same
Age	0-5	2002	72.6	2019	85.7	-4.2	Improving	=====	=====	=====	=====	=====	=====
	6-17	2002	72.5	2019	84.8	-3.4	Improving	=====	0-5	85.7	84.8	6.3	Same
Gender	Male	2002	72.2	2019	84.5	-3.7	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	72.9	2019	85.7	-3.6	Improving	=====	Male	84.5	85.7	-7.7	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.4. Children who had a doctor's office or clinic visit in the last 12 months whose health providers always listened carefully

Source: Medical Expenditure Panel Survey

Benchmark: Not available

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	72.2	2019	84.9	-3.7	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	72.5	2019	84.4	-3.5	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2009	81.6	2009	81.6	-----	-----	=====	White	84.4	-----	-----	-----
	Asian	2002	60.7	2019	89.1	-6.7	Improving	=====			89.1	-30.1	Better
	Black	2002	74.5	2019	85.9	-3.7	Improving	=====			85.9	-9.6	Same
	Multiple races	2002	58.0	2019	86.5	-5.4	Improving	=====			86.5	-13.5	Same
Ethnicity	Non-Hispanic, White	2002	73.6	2019	84.0	-3.4	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	68.7	2019	85.9	-4.0	Improving	=====	Non-Hispanic, White	84.0	85.9	-11.9	Same
	Non-Hispanic, all races	2002	72.8	2019	84.6	-3.7	Improving	=====			84.6	-3.8	Same
	Non-Hispanic, Asian	2002	60.0	2019	88.7	-6.5	Improving	=====			88.7	-29.4	Same
	Non-Hispanic, Black	2002	74.6	2019	85.5	-3.7	Improving	=====			85.5	-9.4	Same
	Non-Hispanic, others	2002	62.4	2019	84.8	-4.8	Improving	=====			84.8	-5.0	Same
Income	400% of PG or more	2002	75.5	2019	87.0	-3.7	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	68.0	2019	83.1	-4.0	Improving	=====	400% of PG or more	87.0	83.1	30.0	Same
	100-199% of PG	2002	70.8	2019	85.6	-3.8	Improving	=====			85.6	10.8	Same
	200-399% of PG	2002	71.8	2019	82.8	-3.3	Improving	=====			82.8	32.3	Worse
Health insurance	Any private	2002	73.4	2019	85.5	-3.8	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	69.7	2019	83.7	-3.6	Improving	=====	Any private	85.5	83.7	12.4	Same
	Uninsured	2002	67.7	2016	89.2	-5.5	Improving	=====			-----	-----	-----

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2002	74.8	2019	86.2	-3.1	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	71.6	2019	85.1	-3.8	Improving	=====	Large fringe metro	86.2	85.1	8.0	Same
	Large central metro	2002	68.9	2019	84.0	-4.1	Improving	=====			84.0	15.9	Same
	Medium metro	2002	71.0	2019	86.4	-4.5	Improving	=====			86.4	-1.4	Same
	Small metro	2002	72.2	2019	82.6	-2.8	Improving	=====			82.6	26.1	Same
	Nonmetropolitan	2002	75.4	2019	83.9	-3.0	Improving	=====			83.9	16.7	Same
	Micropolitan	2002	76.0	2019	86.5	-2.9	Improving	=====			86.5	-2.2	Same
	Noncore	2002	74.1	2019	80.2	-3.8	Improving	=====			80.2	43.5	Same
Age	0-5	2002	72.6	2019	85.6	-4.1	Improving	=====	=====	=====	=====	=====	=====
	6-17	2002	71.9	2019	84.5	-3.4	Improving	=====	0-5	85.6	84.5	7.6	Same
Gender	Male	2002	71.9	2019	84.4	-3.7	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	72.4	2019	85.5	-3.6	Improving	=====	Male	84.4	85.5	-7.1	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.5. Children who had a doctor's office or clinic visit in the last 12 months whose health providers always explained things in a way they or their parents could understand

Source: Medical Expenditure Panel Survey

Benchmark: Not available

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	75.6	2019	85.6	-3.3	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	75.7	2019	85.6	-3.2	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2009	77.8	2009	77.8	-----	-----	=====	White	85.6	-----	-----	-----
	Asian	2002	60.7	2019	83.4	-6.1	Improving	=====			83.4	15.3	Same
	Black	2002	78.9	2019	85.1	-2.9	Improving	=====			85.1	3.5	Same
	Multiple races	2002	67.4	2019	89.9	-4.7	Improving	=====			89.9	-29.9	Same
Ethnicity	Non-Hispanic, White	2002	77.1	2019	86.0	-3.2	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	70.7	2019	84.8	-3.7	Improving	=====	Non-Hispanic, White	86.0	84.8	8.6	Same
	Non-Hispanic, all races	2002	76.5	2019	85.8	-3.3	Improving	=====			85.8	1.4	Same
	Non-Hispanic, Asian	2002	60.1	2019	82.8	-5.9	Improving	=====			82.8	22.9	Same
	Non-Hispanic, Black	2002	78.7	2019	85.0	-3.0	Improving	=====			85.0	7.1	Same
	Non-Hispanic, others	2002	70.0	2019	88.9	-4.4	Improving	=====			88.9	-20.7	Same
Income	400% of PG or more	2002	79.9	2019	86.1	-2.8	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	70.2	2019	79.5	-3.4	Improving	=====	400% of PG or more	86.1	79.5	47.5	Worse
	100-199% of PG	2002	73.4	2019	85.7	-3.5	Improving	=====			85.7	2.9	Same
	200-399% of PG	2002	75.4	2019	87.8	-3.7	Improving	=====			87.8	-12.2	Same
Health insurance	Any private	2002	77.1	2019	86.4	-3.4	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	72.0	2019	83.8	-3.4	Improving	=====	Any private	86.4	83.8	19.1	Same
	Uninsured	2002	71.5	2016	79.1	-4.1	Improving	=====			-----	-----	-----

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2002	78.5	2019	86.6	-2.6	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	75.4	2019	85.5	-3.3	Improving	=====	Large fringe metro	86.6	85.5	8.2	Same
	Large central metro	2002	72.0	2019	85.0	-3.9	Improving	=====			85.0	11.9	Same
	Medium metro	2002	76.0	2019	86.8	-4.0	Improving	=====			86.8	-1.5	Same
	Small metro	2002	75.3	2019	81.2	-1.7	Improving	=====			81.2	40.3	Same
	Nonmetropolitan	2002	76.8	2019	86.2	-3.2	Improving	=====			86.2	3.0	Same
	Micropolitan	2002	78.6	2019	88.4	-2.8	Improving	=====			88.4	-13.4	Same
	Noncore	2002	73.0	2019	83.1	-4.4	Improving	=====			83.1	26.1	Same
Age	0-5	2002	75.9	2019	86.4	-4.0	Improving	=====	=====	=====	=====	=====	=====
	6-17	2002	75.4	2019	85.2	-2.9	Improving	=====	0-5	86.4	85.2	8.8	Same
Gender	Male	2002	75.1	2019	85.2	-3.4	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	76.0	2019	86.0	-3.1	Improving	=====	Male	85.2	86.0	-5.4	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.6. Children who had a doctor's office or clinic visit in the last 12 months whose health providers always showed respect for what they or their parents had to say

Source: Medical Expenditure Panel Survey

Benchmark: Not available

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	75.2	2019	87.7	-4.3	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	75.5	2019	87.2	-4.0	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2009	80.4	2009	80.4	-----	-----	=====	White	87.2	-----	-----	-----
	Asian	2002	63.7	2019	90.9	-7.7	Improving	=====			90.9	-28.9	Same
	Black	2002	78.5	2019	89.1	-4.6	Improving	=====			89.1	-14.8	Same
	Multiple races	2002	60.1	2019	88.7	-5.3	Improving	=====			88.7	-11.7	Same
Ethnicity	Non-Hispanic, White	2002	76.2	2019	86.1	-3.8	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	73.4	2019	90.8	-5.1	Improving	=====	Non-Hispanic, White	86.1	90.8	-33.8	Better
	Non-Hispanic, all races	2002	75.6	2019	86.8	-4.1	Improving	=====			86.8	-5.0	Same
	Non-Hispanic, Asian	2002	63.0	2019	90.6	-7.5	Improving	=====			90.6	-32.4	Better
	Non-Hispanic, Black	2002	78.5	2019	88.6	-4.6	Improving	=====			88.6	-18.0	Same
	Non-Hispanic, others	2002	62.9	2019	85.6	-4.6	Improving	=====			85.6	3.6	Same
Income	400% of PG or more	2002	79.7	2019	88.3	-4.1	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	72.1	2019	85.1	-4.4	Improving	=====	400% of PG or more	88.3	85.1	27.4	Same
	100-199% of PG	2002	74.2	2019	88.4	-4.3	Improving	=====			88.4	-0.9	Same
	200-399% of PG	2002	73.4	2019	87.7	-4.4	Improving	=====			87.7	5.1	Same
Health insurance	Any private	2002	76.4	2019	88.2	-4.6	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	72.1	2019	86.5	-4.1	Improving	=====	Any private	88.2	86.5	14.4	Same
	Uninsured	2002	73.8	2016	86.4	-5.1	Improving	=====			-----	-----	-----

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2002	78.8	2019	88.5	-3.8	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	75.2	2019	87.7	-4.4	Improving	=====	Large fringe metro	88.5	87.7	7.0	Same
	Large central metro	2002	72.9	2019	86.3	-4.6	Improving	=====			86.3	19.1	Same
	Medium metro	2002	75.0	2019	89.2	-5.1	Improving	=====			89.2	-6.1	Same
	Small metro	2002	72.8	2019	86.5	-3.6	Improving	=====			86.5	17.4	Same
	Nonmetropolitan	2002	75.3	2019	87.5	-3.7	Improving	=====			87.5	8.7	Same
	Micropolitan	2002	76.5	2019	89.5	-3.5	Improving	=====			89.5	-8.7	Same
	Noncore	2002	72.8	2019	84.8	-4.4	Improving	=====			84.8	32.2	Same
Age	0-5	2002	74.6	2019	87.9	-4.8	Improving	=====	=====	=====	=====	=====	=====
	6-17	2002	75.6	2019	87.5	-4.0	Improving	=====	0-5	87.9	87.5	3.3	Same
Gender	Male	2002	75.1	2019	87.0	-4.3	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	75.4	2019	88.3	-4.2	Improving	=====	Male	87.0	88.3	-10.0	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.7. Children who had a doctor's office or clinic visit in the last 12 months whose health providers always spent enough time with them

Source: Medical Expenditure Panel Survey

Benchmark: Not available

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2002	67.4	2019	82.5	-3.5	Improving	=====	=====	=====	=====	=====	=====
Race	White	2002	67.6	2019	83.5	-3.7	Improving	=====	=====	=====	=====	=====	=====
	AI/AN	2009	75.5	2009	75.5	-----	-----	=====	White	83.5	-----	-----	-----
	Asian	2002	59.6	2019	79.4	-5.0	Improving	=====			79.4	24.8	Same
	Black	2002	69.9	2019	78.9	-2.9	Improving	=====			78.9	27.9	Same
	Multiple races	2002	56.3	2019	83.3	-4.3	Improving	=====			83.3	1.2	Same
Ethnicity	Non-Hispanic, White	2002	69.2	2019	83.7	-3.8	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2002	61.1	2019	83.5	-3.8	Improving	=====	Non-Hispanic, White	83.7	83.5	1.2	Same
	Non-Hispanic, all races	2002	68.6	2019	82.2	-3.6	Improving	=====			82.2	9.2	Same
	Non-Hispanic, Asian	2002	59.2	2019	78.7	-4.8	Improving	=====			78.7	30.7	Same
	Non-Hispanic, Black	2002	70.0	2019	78.4	-2.8	Improving	=====			78.4	32.5	Same
	Non-Hispanic, others	2002	59.1	2019	80.5	-3.6	Improving	=====			80.5	19.6	Same
Income	400% of PG or more	2002	72.3	2019	84.0	-3.3	Improving	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2002	62.1	2019	79.1	-3.3	Improving	=====	400% of PG or more	84.0	79.1	30.6	Worse
	100-199% of PG	2002	66.2	2019	81.4	-3.4	Improving	=====			81.4	16.3	Same
	200-399% of PG	2002	66.2	2019	83.1	-4.1	Improving	=====			83.1	5.6	Same
Health insurance	Any private	2002	68.4	2019	83.8	-4.0	Improving	=====	=====	=====	=====	=====	=====
	Public only	2002	64.8	2019	80.2	-3.2	Improving	=====	Any private	83.8	80.2	22.2	Worse
	Uninsured	2002	66.8	2016	75.4	-2.8	Improving	=====			-----	-----	-----

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Metropolitan status	Large fringe metro	2002	70.2	2019	84.3	-3.4	Improving	=====	=====	=====	=====	=====	=====
	Metropolitan	2002	66.8	2019	82.7	-3.7	Improving	=====	Large fringe metro	84.3	82.7	10.2	Same
	Large central metro	2002	63.9	2019	81.1	-3.8	Improving	=====			81.1	20.4	Same
	Medium metro	2002	66.6	2019	83.1	-3.8	Improving	=====			83.1	7.6	Same
	Small metro	2002	66.6	2019	82.7	-3.4	Improving	=====			82.7	10.2	Same
	Nonmetropolitan	2002	71.0	2019	81.0	-2.9	Improving	=====			81.0	21.0	Same
	Micropolitan	2002	71.0	2019	82.3	-2.6	Improving	=====			82.3	12.7	Same
	Noncore	2002	70.9	2019	79.2	-3.6	Improving	=====			79.2	32.5	Same
Age	0-5	2002	67.1	2019	82.8	-4.1	Improving	=====	=====	=====	=====	=====	=====
	6-17	2002	67.6	2019	82.4	-3.3	Improving	=====	0-5	82.8	82.4	2.3	Same
Gender	Male	2002	66.9	2019	81.5	-3.6	Improving	=====	=====	=====	=====	=====	=====
	Female	2002	67.9	2019	83.5	-3.5	Improving	=====	Male	81.5	83.5	-10.8	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.8. Adult hospital patients who always had good communication with doctors in the hospital

Source: Hospital Consumer Assessment of Healthcare Providers and Systems

Benchmark: 85.0 in 2015

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2009	78.0	2020	79.7	-1.0	Improving	More than 20 years	=====	=====	=====	=====	=====
Race	White	2009	77.8	2020	79.5	-1.1	Improving	More than 20 years	=====	=====	=====	=====	=====
	AI/AN	2009	75.9	2020	79.2	-1.3	Improving	More than 20 years	White	79.5	79.2	1.5	Same
	Asian	2009	74.2	2020	79.9	-2.5	Improving	9 years			79.9	-2.0	Same
	NHPI	2009	79.2	2020	81.6	-1.2	Improving	15 years			81.6	-10.2	Better
	Black	2009	81.3	2020	83.2	-1.2	Improving	9 years			83.2	-18.0	Better
	Multiple races	2009	78.6	2020	78.5	-0.2	No change	No progress			78.5	4.9	Same
Ethnicity	Non-Hispanic, all races	2009	78.0	2020	79.7	-1.0	Improving	More than 20 years	=====	=====	=====	=====	=====
	Hispanic, all races	2009	81.3	2020	83.4	-1.6	Improving	6 years	Non-Hispanic, all races	79.7	83.4	-18.2	Better
Age	18-44	2009	82.0	2020	85.6	-2.1	Improving	Reached	=====	=====	=====	=====	=====
	45-64	2009	78.7	2020	81.1	-1.3	Improving	15 years	18-44	85.6	81.1	31.3	Worse
	65 and over	2009	75.7	2020	77.4	-1.0	Improving	More than 20 years			77.4	56.9	Worse
Education	At least some college	2009	77.7	2020	79.9	-1.2	Improving	20 years	=====	=====	=====	=====	=====
	Less than high school graduate	2009	79.2	2020	80.5	-1.0	Improving	More than 20 years	At least some college	79.9	80.5	-3.0	Same
	High school graduate	2009	78.4	2020	79.6	-0.9	No change	More than 20 years			79.6	1.5	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.9. Composite measure: Adult hospital patients who always had good communication with nurses in the hospital

Source: Hospital Consumer Assessment of Healthcare Providers and Systems

Benchmark: 83.0 in 2015

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2009	73.8	2020	79.5	-2.5	Improving	6 years	=====	=====	=====	=====	=====
Race	White	2009	73.7	2020	79.6	-2.6	Improving	6 years	=====	=====	=====	=====	=====
	AI/AN	2009	71.2	2020	78.1	-2.4	Improving	8 years	White	79.6	78.1	7.4	Same
	Asian	2009	67.2	2020	77.0	-3.4	Improving	7 years			77.0	12.7	Worse
	NHPI	2009	73.4	2020	79.3	-2.6	Improving	6 years			79.3	1.5	Same
	Black	2009	77.4	2020	81.9	-2.1	Improving	3 years			81.9	-11.3	Better
	Multiple races	2009	75.0	2020	78.0	-1.5	Improving	15 years			78.0	7.8	Same
Ethnicity	Non-Hispanic, all races	2009	73.8	2020	79.7	-2.6	Improving	6 years	=====	=====	=====	=====	=====
	Hispanic, all races	2009	75.0	2020	80.6	-2.7	Improving	4 years	Non-Hispanic, all races	79.7	80.6	-4.4	Same
Age	18-44	2009	75.3	2020	83.0	-3.3	Improving	Reached	=====	=====	=====	=====	=====
	45-64	2009	74.4	2020	80.3	-2.6	Improving	5 years	18-44	83.0	80.3	15.9	Worse
	65 and over	2009	72.7	2020	78.1	-2.4	Improving	9 years			78.1	28.8	Worse
Education	At least some college	2009	72.5	2020	79.6	-2.9	Improving	5 years	=====	=====	=====	=====	=====
	Less than high school graduate	2009	76.0	2020	79.2	-1.7	Improving	10 years	At least some college	79.6	79.2	2.0	Same
	High school graduate	2009	75.0	2020	80.0	-2.3	Improving	6 years			80.0	-2.0	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.10. Adult hospital patients who strongly agree that they understood how to manage their health after discharge

Source: Hospital Consumer Assessment of Healthcare Providers and Systems

Benchmark: 59.8 in 2015

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2014	53.5	2020	51.6	0.5	No change	No progress	=====	=====	=====	=====	=====
Race	White	2014	54.8	2020	52.3	0.7	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2014	53.2	2020	51.5	0.4	No change	No progress	White	52.3	51.5	1.7	Same
	Asian	2014	49.7	2020	51.4	-0.7	No change	More than 20 years			51.4	1.9	Same
	NHPI	2014	57.8	2020	54.3	0.8	No change	No progress			54.3	-4.2	Same
	Black	2014	55.9	2020	53.8	0.6	No change	No progress			53.8	-3.1	Same
	Multiple races	2014	54.9	2020	53.2	0.5	No change	No progress			53.2	-1.9	Same
Ethnicity	Non-Hispanic, all races	2014	55.3	2020	52.7	0.7	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2014	55.1	2020	55.2	-0.1	No change	No progress	Non-Hispanic, all races	52.7	55.2	-5.3	Same
Age	18-44	2014	60.8	2020	63.0	-0.9	No change	Reached	=====	=====	=====	=====	=====
	45-64	2014	56.3	2020	55.0	0.3	No change	No progress	18-44	63.0	55.0	21.6	Worse
	65 and over	2014	48.5	2020	47.0	0.2	No change	No progress			47.0	43.2	Worse
Education	At least some college	2014	57.5	2020	55.0	0.8	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2014	50.5	2020	48.6	0.5	No change	No progress	At least some college	55.0	48.6	14.2	Worse
	High school graduate	2014	51.7	2020	48.5	0.9	No change	No progress			48.5	14.4	Worse

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.11. Adult hospital patients who strongly agree that they understood the purpose of taking each of their medications after discharge

Source: Hospital Consumer Assessment of Healthcare Providers and Systems

Benchmark: 56.6 in 2015

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2014	50.6	2020	50.2	0.0	No change	No progress	=====	=====	=====	=====	=====
Race	White	2014	51.7	2020	50.7	0.1	No change	No progress	=====	=====	=====	=====	=====
	AI/AN	2014	51.0	2020	50.4	0.0	No change	No progress	White	50.7	50.4	0.6	Same
	Asian	2014	52.2	2020	53.8	-0.7	No change	9 years			53.8	-6.3	Same
	NHPI	2014	56.9	2020	56.0	0.1	No change	No progress			56.0	-10.8	Better
	Black	2014	53.7	2020	53.3	0.0	No change	No progress			53.3	-5.3	Same
	Multiple races	2014	50.0	2020	49.7	0.0	No change	No progress			49.7	2.0	Same
Ethnicity	Non-Hispanic, all races	2014	52.3	2020	51.2	0.2	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2014	52.3	2020	53.5	-0.5	No change	14 years	Non-Hispanic, all races	51.2	53.5	-4.7	Same
Age	18-44	2014	55.7	2020	56.1	0.0	No change	No progress	=====	=====	=====	=====	=====
	45-64	2014	56.2	2020	56.1	-0.1	No change	No progress	18-44	56.1	56.1	0.0	Same
	65 and over	2014	44.9	2020	46.1	-0.6	No change	No progress			46.1	22.8	Worse
Education	At least some college	2014	54.5	2020	53.1	0.3	No change	No progress	=====	=====	=====	=====	=====
	Less than high school graduate	2014	46.9	2020	47.1	-0.2	No change	No progress	At least some college	53.1	47.1	12.8	Worse
	High school graduate	2014	49.2	2020	48.0	0.2	No change	No progress			48.0	10.9	Worse

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Measure Category: 8. Supplemental Measures
Subcategory: Care Coordination

Appendix Table 8.12. Composite measure: Emergency department visits with a principal diagnosis related to mental health, alcohol, or substance use disorder, per 100,000 population

Source: Healthcare Cost and Utilization Project National Emergency Department Sample

Benchmark: Not available

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is rate per 100,000.

Legend: Trend: ■ Improving ■ Not changing ■ Worsening Disparities: ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	2062.0	2019	2168.0	1.5	No change	=====	=====	=====	=====	=====	=====
Income	400% of PG or more	2016	1534.0	2019	1601.0	0.3	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	2627.0	2019	2704.0	1.8	No change	=====	400% of PG or more	1601.0	2704.0	68.9	Worse
	100-199% of PG	2016	2102.0	2019	2189.0	1.4	No change	=====			2189.0	36.7	Worse
	200-399% of PG	2016	1699.0	2019	1856.0	2.1	No change	=====			1856.0	15.9	Worse
Metropolitan status	Large fringe metro	2016	1802.0	2019	1824.0	0.6	No change	=====	=====	=====	=====	=====	=====
	Large central metro	2016	2214.0	2019	2125.0	-1.9	No change	=====	Large fringe metro	1824.0	2125.0	16.5	Same
	Medium metro	2016	2033.0	2019	2462.0	6.1	Worsening	=====			2462.0	35.0	Worse
	Small metro	2016	2100.0	2019	2043.0	-0.1	No change	=====			2043.0	12.0	Same
	Micropolitan	2016	2083.0	2019	2279.0	3.1	No change	=====			2279.0	24.9	Worse
	Noncore	2016	1724.0	2019	1958.0	3.8	No change	=====			1958.0	7.3	Same
Age	18-44	2016	3005.0	2019	3181.0	1.7	No change	=====	=====	=====	=====	=====	=====
	0-17	2016	915.0	2019	1004.0	3.6	No change	=====	18-44	3181.0	1004.0	-68.4	Better
	45-64	2016	2296.0	2019	2390.0	1.1	No change	=====			2390.0	-24.9	Better
	65-84	2016	1100.0	2019	1161.0	1.7	Worsening	=====			1161.0	-63.5	Better
	85 and over	2016	1587.0	2019	1525.0	-1.4	No change	=====			1525.0	-52.1	Better
Gender	Male	2016	2320.0	2019	2485.0	2.1	No change	=====	=====	=====	=====	=====	=====
	Female	2016	1812.0	2019	1861.0	0.8	No change	=====	Male	2485.0	1861.0	-25.1	Better

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.13. Emergency department visits with any diagnosis of dementia, adults age 65 and over

Source: Healthcare Cost and Utilization Project National Emergency Department Sample

Benchmark: Not available

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	9.9	2019	9.8	-0.1	No change	=====	=====	=====	=====	=====	=====
Age	65-69	2016	2.2	2019	2.4	2.8	Worsening	=====	=====	=====	=====	=====	=====
	70-74	2016	4.6	2019	4.7	1.1	Worsening	=====	65-69	2.4	4.7	95.9	Worse
	75-79	2016	8.4	2019	8.7	1.2	Worsening	=====			8.7	258.3	Worse
	80-84	2016	13.9	2019	13.9	0.2	No change	=====			13.9	475.2	Worse
	85 and over	2016	22.0	2019	22.2	0.4	No change	=====			22.2	815.7	Worse

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.14. Emergency department visits with any diagnosis of dementia per 100,000 population, adults age 65 and over

Source: Healthcare Cost and Utilization Project National Emergency Department Sample

Benchmark: Not available

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	5323.0	2019	5404.0	0.2	No change	=====	=====	=====	=====	=====	=====
Age	65-69	2016	890.0	2019	937.0	1.5	No change	=====	=====	=====	=====	=====	=====
	70-74	2016	2068.0	2019	2275.0	2.9	Worsening	=====	65-69	937.0	2275.0	142.8	Worse
	75-79	2016	4711.0	2019	5212.0	3.2	Worsening	=====			5212.0	456.2	Worse
	80-84	2016	9784.0	2019	10318.0	1.4	No change	=====			10318.0	1001.2	Worse
	85 and over	2016	19817.0	2019	20170.0	0.2	No change	=====			20170.0	2052.6	Worse

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.15. Composite measure: Hospitalizations for all conditions per 100,000 population, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark: 747.4 in 2016

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	1289.2	2019	1297.5	0.1	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	1152.8	2019	1141.1	-0.5	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	1225.3	2019	1207.1	-0.3	No change	No progress	Non-Hispanic, White	1141.1	1207.1	5.8	Same
	Non-Hispanic, API	2016	570.6	2019	554.9	-1.1	No change	No progress			554.9	-51.4	Better
	Non-Hispanic, Black	2016	2378.3	2019	2512.8	1.7	No change	No progress			2512.8	120.2	Worse
Income	400% of PG or more	2016	822.2	2019	816.3	-0.6	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	1925.7	2019	1958.8	0.5	No change	No progress	400% of PG or more	816.3	1958.8	140.0	Worse
	100-199% of PG	2016	1361.8	2019	1374.2	0.2	No change	No progress			1374.2	68.3	Worse
	200-399% of PG	2016	1086.8	2019	1091.2	0.1	No change	No progress			1091.2	33.7	Worse
Metropolitan status	Large fringe metro	2016	1216.6	2019	1207.5	-0.5	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	1294.9	2019	1304.1	0.1	No change	No progress	Large fringe metro	1207.5	1304.1	8.0	Same
	Medium metro	2016	1241.9	2019	1268.5	0.7	No change	No progress			1268.5	5.1	Same
	Small metro	2016	1261.4	2019	1307.3	1.0	No change	No progress			1307.3	8.3	Same
	Micropolitan	2016	1377.3	2019	1413.0	0.6	No change	No progress			1413.0	17.0	Worse
	Noncore	2016	1610.1	2019	1552.7	-1.4	No change	No progress			1552.7	28.6	Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	323.9	2019	339.8	1.8	Worsening	No progress	=====	=====	=====	=====	=====
	18-64	2016	691.1	2019	729.7	1.8	No change	No progress	18-44	339.8	729.7	114.7	Worse
	45-64	2016	1195.7	2019	1274.7	2.1	No change	No progress			1274.7	275.1	Worse
	65 and over	2016	4074.1	2019	3892.0	-1.8	No change	No progress			3892.0	1045.4	Worse
	65-69	2016	2206.4	2019	2071.0	-2.3	Improving	No progress			2071.0	509.5	Worse
	70-74	2016	3022.1	2019	3002.6	-0.6	No change	No progress			3002.6	783.6	Worse
	75-79	2016	4304.2	2019	4325.8	0.0	No change	No progress			4325.8	1173.0	Worse
	80-84	2016	6034.4	2019	5968.8	-0.7	No change	No progress			5968.8	1656.6	Worse
	85 and over	2016	9048.6	2019	8474.1	-2.5	No change	No progress			8474.1	2393.8	Worse
Gender	Male	2016	1308.8	2019	1360.2	1.1	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	1280.3	2019	1246.7	-1.1	No change	No progress	Male	1360.2	1246.7	-8.3	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.16. Composite measure: Hospital admissions for all conditions per 100,000 population, ages 6-17

Source: Healthcare Cost and Utilization Project

Benchmark: Not available

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	120.6	2019	100.8	-5.5	Improving	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	89.6	2019	75.0	-5.3	Improving	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	111.5	2019	91.9	-6.0	Improving	=====	Non-Hispanic, White	75.0	91.9	22.5	Worse
	Non-Hispanic, API	2016	47.8	2019	39.4	-6.2	Improving	=====			39.4	-47.5	Better
	Non-Hispanic, Black	2016	235.5	2019	198.2	-5.6	Improving	=====			198.2	164.3	Worse
Income	400% of PG or more	2016	75.2	2019	65.3	-4.1	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	182.6	2019	147.5	-6.6	Improving	=====	400% of PG or more	65.3	147.5	125.9	Worse
	100-199% of PG	2016	118.1	2019	98.2	-5.5	Improving	=====			98.2	50.4	Worse
	200-399% of PG	2016	103.7	2019	89.3	-4.7	Improving	=====			89.3	36.8	Worse
Metropolitan status	Large fringe metro	2016	99.5	2019	86.1	-4.7	Improving	=====	=====	=====	=====	=====	=====
	Large central metro	2016	150.4	2019	124.6	-5.7	Improving	=====	Large fringe metro	86.1	124.6	44.7	Worse
	Medium metro	2016	124.4	2019	104.6	-5.3	Improving	=====			104.6	21.5	Same
	Small metro	2016	103.3	2019	87.3	-5.2	Improving	=====			87.3	1.4	Same
	Micropolitan	2016	95.2	2019	74.5	-7.2	Improving	=====			74.5	-13.5	Same
	Noncore	2016	101.6	2019	80.6	-7.4	Improving	=====			80.6	-6.4	Same
Age	6-9	2016	159.8	2019	122.1	-8.3	Improving	=====	=====	=====	=====	=====	=====
	10-14	2016	100.4	2019	90.9	-3.0	No change	=====	6-9	122.1	90.9	-25.6	Better
	15-17	2016	103.5	2019	90.0	-4.3	Improving	=====			90.0	-26.3	Better
Gender	Male	2016	116.1	2019	95.6	-5.8	Improving	=====	=====	=====	=====	=====	=====
	Female	2016	125.3	2019	106.3	-5.2	Improving	=====	Male	95.6	106.3	11.2	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.17. Composite measure: Hospital admissions for acute conditions per 100,000 population, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark: 215.7 in 2016

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	370.8	2019	308.1	-5.0	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	367.0	2019	309.8	-4.4	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	356.5	2019	268.4	-8.3	Improving	2 years	Non-Hispanic, White	309.8	268.4	-13.4	Better
	Non-Hispanic, API	2016	169.0	2019	130.7	-7.7	Improving	No progress			130.7	-57.8	Better
	Non-Hispanic, Black	2016	429.0	2019	352.5	-5.6	No change	No progress			352.5	13.8	Worse
Income	400% of PG or more	2016	263.4	2019	217.3	-5.6	Improving	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	504.9	2019	425.9	-4.3	No change	No progress	400% of PG or more	217.3	425.9	96.0	Worse
	100-199% of PG	2016	399.1	2019	331.7	-4.9	No change	No progress			331.7	52.6	Worse
	200-399% of PG	2016	321.3	2019	264.5	-5.2	No change	No progress			264.5	21.7	Worse
Metropolitan status	Large fringe metro	2016	354.7	2019	294.1	-5.1	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	326.0	2019	258.8	-6.6	Improving	No progress	Large fringe metro	294.1	258.8	-12.0	Better
	Medium metro	2016	346.3	2019	291.1	-4.4	No change	No progress			291.1	-1.0	Same
	Small metro	2016	368.1	2019	318.4	-3.4	No change	No progress			318.4	8.3	Same
	Micropolitan	2016	443.4	2019	387.8	-3.2	No change	No progress			387.8	31.9	Worse
	Noncore	2016	595.6	2019	504.2	-4.6	No change	No progress			504.2	71.4	Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	88.9	2019	68.8	-7.9	Improving	No progress	=====	=====	=====	=====	=====
	18-64	2016	160.0	2019	130.2	-5.5	No change	No progress	18-44	68.8	130.2	89.2	Worse
	45-64	2016	257.4	2019	215.4	-4.2	No change	No progress			215.4	213.1	Worse
	65 and over	2016	1320.9	2019	1087.8	-5.3	No change	No progress			1087.8	1481.1	Worse
	65-69	2016	541.9	2019	423.9	-6.4	No change	No progress			423.9	516.1	Worse
	70-74	2016	833.5	2019	717.2	-3.5	No change	No progress			717.2	942.4	Worse
	75-79	2016	1335.7	2019	1169.9	-2.9	No change	No progress			1169.9	1600.4	Worse
	80-84	2016	2102.4	2019	1822.4	-3.7	No change	No progress			1822.4	2548.8	Worse
	85 and over	2016	3582.6	2019	2942.8	-5.9	Improving	No progress			2942.8	4177.3	Worse
Gender	Male	2016	323.4	2019	267.6	-4.9	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	412.6	2019	342.8	-5.1	No change	No progress	Male	267.6	342.8	28.1	Worse

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.18. Composite measure: Hospital admissions for acute conditions per 100,000 population, ages 6-17

Source: Healthcare Cost and Utilization Project

Benchmark: 13.1 in 2016

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	31.6	2019	25.9	-6.8	Improving	6 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	31.2	2019	25.9	-6.3	Improving	7 years	=====	=====	=====	=====	=====
	Hispanic, all races	2016	33.5	2019	26.5	-8.3	Improving	5 years	Non-Hispanic, White	25.9	26.5	2.3	Same
	Non-Hispanic, API	2016	14.6	2019	12.8	-4.2	Improving	Reached			12.8	-50.6	Better
	Non-Hispanic, Black	2016	26.0	2019	21.5	-6.5	Improving	No progress			21.5	-17.0	Better
Income	400% of PG or more	2016	24.1	2019	20.6	-5.5	Improving	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	39.9	2019	31.1	-8.3	Improving	6 years	400% of PG or more	20.6	31.1	51.0	Worse
	100-199% of PG	2016	32.3	2019	25.6	-8.0	Improving	5 years			25.6	24.3	Worse
	200-399% of PG	2016	29.9	2019	25.9	-5.0	No change	No progress			25.9	25.7	Worse
Metropolitan status	Large fringe metro	2016	27.6	2019	23.4	-6.1	Improving	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	34.2	2019	26.8	-8.1	Improving	5 years	Large fringe metro	23.4	26.8	14.5	Same
	Medium metro	2016	32.7	2019	27.5	-6.1	Improving	No progress			27.5	17.5	Same
	Small metro	2016	28.9	2019	25.4	-4.6	Improving	No progress			25.4	8.5	Same
	Micropolitan	2016	30.9	2019	25.2	-6.7	Improving	6 years			25.2	7.7	Same
	Noncore	2016	37.2	2019	27.7	-9.7	Improving	4 years			27.7	18.4	Same
Age	6-9	2016	39.0	2019	32.0	-6.9	Improving	7 years	=====	=====	=====	=====	=====
	10-14	2016	22.3	2019	18.4	-6.8	Improving	4 years	6-9	32.0	18.4	-42.5	Better
	15-17	2016	37.3	2019	30.2	-6.9	Improving	7 years			30.2	-5.6	Same
Gender	Male	2016	20.9	2019	17.2	-6.7	Improving	3 years	=====	=====	=====	=====	=====
	Female	2016	42.9	2019	35.0	-7.0	Improving	8 years	Male	17.2	35.0	103.5	Worse

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.19. Composite measure: Hospital admissions for chronic conditions per 100,000 population, age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark: 513.6 in 2016

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	918.4	2019	989.4	1.9	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	785.8	2019	831.3	1.2	No change	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	868.8	2019	938.7	2.7	No change	No progress	Non-Hispanic, White	831.3	938.7	12.9	Worse
	Non-Hispanic, API	2016	401.7	2019	424.2	1.4	No change	No progress			424.2	-49.0	Better
	Non-Hispanic, Black	2016	1949.3	2019	2160.3	3.1	No change	No progress			2160.3	159.9	Worse
Income	400% of PG or more	2016	558.8	2019	599.0	1.6	No change	No progress	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	1420.8	2019	1532.9	2.1	No change	No progress	400% of PG or more	599.0	1532.9	155.9	Worse
	100-199% of PG	2016	962.7	2019	1042.5	2.2	No change	No progress			1042.5	74.0	Worse
	200-399% of PG	2016	765.5	2019	826.7	2.2	No change	No progress			826.7	38.0	Worse
Metropolitan status	Large fringe metro	2016	862.0	2019	913.4	1.3	No change	No progress	=====	=====	=====	=====	=====
	Large central metro	2016	968.9	2019	1045.4	2.1	No change	No progress	Large fringe metro	913.4	1045.4	14.5	Worse
	Medium metro	2016	895.6	2019	977.5	2.5	No change	No progress			977.5	7.0	Same
	Small metro	2016	893.3	2019	988.9	2.7	No change	No progress			988.9	8.3	Same
	Micropolitan	2016	933.9	2019	1025.2	2.4	No change	No progress			1025.2	12.2	Worse
	Noncore	2016	1014.5	2019	1048.6	0.4	No change	No progress			1048.6	14.8	Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Age	18-44	2016	235.0	2019	271.0	5.1	Worsening	Reached, getting worse	=====	=====	=====	=====	=====
	18-64	2016	531.1	2019	599.6	3.8	No change	No progress	18-44	271.0	599.6	121.3	Worse
	45-64	2016	938.4	2019	1059.4	3.7	No change	No progress			1059.4	290.9	Worse
	65 and over	2016	2753.3	2019	2804.2	-0.2	No change	No progress			2804.2	934.8	Worse
	65-69	2016	1664.6	2019	1647.2	-1.0	No change	No progress			1647.2	507.8	Worse
	70-74	2016	2188.7	2019	2285.5	0.6	No change	No progress			2285.5	743.4	Worse
	75-79	2016	2968.6	2019	3156.0	1.2	No change	No progress			3156.0	1064.6	Worse
	80-84	2016	3932.0	2019	4146.5	0.9	No change	No progress			4146.5	1430.1	Worse
	85 and over	2016	5466.1	2019	5531.4	-0.4	No change	No progress			5531.4	1941.1	Worse
Gender	Male	2016	985.5	2019	1092.6	3.0	No change	No progress	=====	=====	=====	=====	=====
	Female	2016	867.7	2019	903.8	0.8	No change	No progress	Male	1092.6	903.8	-17.3	Better

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.20. Composite measure: Hospital admissions for chronic conditions per 100,000 population, ages 6-17

Source: Healthcare Cost and Utilization Project

Benchmark: Not available

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	89.0	2019	74.9	-5.0	Improving	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	58.4	2019	49.1	-4.7	No change	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	78.0	2019	65.4	-5.1	Improving	=====	Non-Hispanic, White	49.1	65.4	33.2	Worse
	Non-Hispanic, API	2016	33.2	2019	26.6	-7.1	Improving	=====			26.6	-45.8	Better
	Non-Hispanic, Black	2016	209.5	2019	176.6	-5.4	Improving	=====			176.6	259.7	Worse
Income	400% of PG or more	2016	51.2	2019	44.7	-3.5	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	142.7	2019	116.4	-6.1	No change	=====	400% of PG or more	44.7	116.4	160.4	Worse
	100-199% of PG	2016	85.7	2019	72.6	-4.5	No change	=====			72.6	62.4	Worse
	200-399% of PG	2016	73.8	2019	63.4	-4.6	Improving	=====			63.4	41.8	Worse
Metropolitan status	Large fringe metro	2016	71.9	2019	62.7	-4.1	Improving	=====	=====	=====	=====	=====	=====
	Large central metro	2016	116.2	2019	97.8	-5.0	No change	=====	Large fringe metro	62.7	97.8	56.0	Worse
	Medium metro	2016	91.7	2019	77.1	-5.0	Improving	=====			77.1	23.0	Same
	Small metro	2016	74.4	2019	61.9	-5.5	Improving	=====			61.9	-1.3	Same
	Micropolitan	2016	64.4	2019	49.4	-7.5	No change	=====			49.4	-21.2	Same
	Noncore	2016	64.5	2019	52.9	-6.2	Improving	=====			52.9	-15.6	Same
Age	6-9	2016	120.8	2019	90.1	-8.7	Improving	=====	=====	=====	=====	=====	=====
	10-14	2016	78.1	2019	72.5	-2.0	No change	=====	6-9	90.1	72.5	-19.5	Better
	15-17	2016	66.3	2019	59.8	-2.9	No change	=====			59.8	-33.6	Better
Gender	Male	2016	95.2	2019	78.4	-5.7	Improving	=====	=====	=====	=====	=====	=====
	Female	2016	82.4	2019	71.3	-4.3	Improving	=====	Male	78.4	71.3	-9.1	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.21. Perforated appendixes per 1,000 admissions with appendicitis, age 18 and over, in Indian Health Service, tribal, and contract hospitals

Source: Indian Health Service Workload and Population Data Mart

Benchmark: Not available

Disparity Year: 2021

Note: Lower estimates are better for this measure. The measure unit is rate per 1,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2003	317.8	2018	394.1	2.2	Worsening	=====	=====	=====	=====	=====	=====
Age	18-44	2003	263.6	2018	300.4	2.0	Worsening	=====	=====	=====	=====	=====	=====
	18-24	2013	234.9	2018	313.3	8.6	No change	=====	18-44	-----	-----	-----	-----
	25-34	2013	232.6	2018	297.3	7.8	No change	=====		-----	-----	-----	-----
	35-44	2013	314.6	2018	287.9	-0.5	No change	=====		-----	-----	-----	-----
	45-64	2003	453.2	2018	550.0	1.3	Worsening	=====		-----	-----	-----	-----
	65 and over	2003	560.0	2018	466.7	-0.3	No change	=====		-----	-----	-----	-----
Gender	Male	2003	341.8	2018	440.7	2.3	Worsening	=====	=====	=====	=====	=====	=====
	Female	2003	293.2	2018	398.0	2.5	Worsening	=====	Male	-----	-----	-----	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.22. Hospital admissions for urinary tract infections per 100,000 population age 18 and over in Indian Health Service areas

Source: Indian Health Service Workload and Population Data Mart

Benchmark: Not available

Disparity Year: 2021

Note: Lower estimates are better for this measure. The measure unit is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2003	171.6	2021	33.7	-7.2	Improving	=====	=====	=====	=====	=====	=====
Age	18-44	2003	96.2	2021	26.7	-5.6	Improving	=====	=====	=====	=====	=====	=====
	18-24	2014	34.0	2021	15.3	-8.3	Improving	=====	18-44	26.7	15.3	-42.7	Better
	25-34	2014	60.2	2021	28.2	-7.8	No change	=====			28.2	5.6	Same
	35-44	2014	64.1	2021	38.8	-4.1	No change	=====			38.8	45.3	Worse
	45-64	2003	190.6	2021	42.7	-7.8	Improving	=====			42.7	59.9	Worse
	65 and over	2003	603.0	2021	144.3	-7.6	Improving	=====			144.3	440.4	Worse
Gender	Male	2003	76.9	2021	21.4	-6.1	Improving	=====	=====	=====	=====	=====	=====
	Female	2003	260.3	2021	79.1	-6.7	Improving	=====	Male	21.4	79.1	269.6	Worse

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.23. Hospitals with computerized system that supports medication lists

Source: American Hospital Association

Benchmark: 88.9 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	43.5	2019	94.3	-29.8	Improving	Reached	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	46.5	2019	93.2	-28.0	Improving	Reached	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	40.0	2019	96.8	-34.4	Improving	Reached	Metropolitan	93.2	96.8	-52.9	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.24. Hospitals with computerized system that supports drug decision

Source: American Hospital Association

Benchmark: 95.2 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	62.0	2019	95.6	-25.5	Improving	Reached	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	67.7	2019	95.0	-22.3	Improving	0 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	55.3	2019	97.2	-31.3	Improving	Reached	Metropolitan	95.0	97.2	-44.0	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.25. Hospitals with computerized system that allows electronic clinical documentation, including physician notes

Source: American Hospital Association

Benchmark: 89.2 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	35.5	2019	93.9	-29.6	Improving	Reached	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	38.4	2019	92.9	-28.2	Improving	Reached	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	32.2	2019	96.3	-33.3	Improving	Reached	Metropolitan	92.9	96.3	-47.9	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.26. Hospitals with computerized system that allows electronic clinical documentation, including nursing notes

Source: American Hospital Association

Benchmark: 95.1 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	66.5	2019	94.5	-23.7	Improving	0 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	69.0	2019	93.0	-20.3	Improving	1 year	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	63.6	2019	97.6	-31.9	Improving	Reached	Metropolitan	93.0	97.6	-65.7	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.27. Hospitals with computerized system that allows electronic clinical documentation, including problem lists

Source: American Hospital Association

Benchmark: 93.6 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	58.0	2019	94.0	-25.1	Improving	Reached	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	60.9	2019	92.7	-22.5	Improving	0 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	54.6	2019	97.0	-31.6	Improving	Reached	Metropolitan	92.7	97.0	-58.9	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.28. Hospitals with computerized system that allows electronic clinical documentation, including medication lists

Source: American Hospital Association

Benchmark: 97.9 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	71.0	2019	96.1	-25.3	Improving	1 year	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	74.9	2019	95.2	-21.3	Improving	1 year	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	66.4	2019	98.2	-33.4	Improving	Reached	Metropolitan	95.2	98.2	-62.5	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.29. Hospitals with computerized system that allows electronic clinical documentation, including discharge summaries

Source: American Hospital Association

Benchmark: 94.3 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	62.1	2019	94.2	-24.4	Improving	0 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	66.5	2019	92.9	-21.0	Improving	0 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	57.0	2019	97.1	-31.3	Improving	Reached	Metropolitan	92.9	97.1	-59.2	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.30. Hospitals with computerized system that allows electronic clinical documentation, including advanced directives

Source: American Hospital Association

Benchmark: 97.3 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	64.3	2019	85.4	-9.9	Improving	5 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	65.9	2019	84.7	-8.8	Improving	6 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	62.4	2019	86.9	-12.2	Improving	4 years	Metropolitan	84.7	86.9	-14.4	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.31. Hospitals with computerized system that allows electronic clinical documentation

Source: American Hospital Association

Benchmark: 81.3 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	29.6	2019	84.3	-19.2	Improving	Reached	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	32.2	2019	83.9	-18.7	Improving	Reached	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	26.5	2019	85.4	-20.3	Improving	Reached	Metropolitan	83.9	85.4	-9.3	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.32. Hospitals with computerized system that allows results viewing, including laboratory reports

Source: American Hospital Association

Benchmark: 98.6 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	86.2	2019	94.0	-13.1	Improving	4 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	86.4	2019	92.6	-9.8	Improving	6 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	85.9	2019	97.3	-22.8	Improving	1 year	Metropolitan	92.6	97.3	-63.5	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.33. Hospitals with computerized system that allows results viewing, including radiology reports

Source: American Hospital Association

Benchmark: 97.9 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	85.0	2019	88.2	-6.9	No change	No progress	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	84.5	2019	84.9	-3.5	No change	No progress	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	85.5	2019	95.7	-18.3	Improving	1 year	Metropolitan	84.9	95.7	-71.5	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.34. Hospitals with computerized system that allows results viewing, including radiology images

Source: American Hospital Association

Benchmark: 95.9 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	82.3	2019	87.7	-7.6	Improving	7 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	82.9	2019	84.7	-3.5	No change	No progress	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	81.6	2019	94.3	-19.0	Improving	1 year	Metropolitan	84.7	94.3	-62.7	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.35. Hospitals with computerized system that allows results viewing, including diagnostic test results

Source: American Hospital Association

Benchmark: 93.5 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	73.9	2019	85.6	-10.0	Improving	4 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	77.8	2019	83.4	-5.4	Improving	10 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	69.1	2019	90.6	-17.5	Improving	1 year	Metropolitan	83.4	90.6	-43.4	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.36. Hospitals with computerized system that allows results viewing, including diagnostic test images

Source: American Hospital Association

Benchmark: 87.5 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	66.7	2019	81.7	-10.5	Improving	2 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	71.6	2019	79.3	-6.7	Improving	5 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	60.5	2019	86.9	-16.1	Improving	0 years	Metropolitan	79.3	86.9	-36.7	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.37. Hospitals with computerized system that allows results viewing, including consultant reports

Source: American Hospital Association

Benchmark: 94.2 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	69.6	2019	90.4	-17.8	Improving	1 year	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	73.2	2019	89.9	-15.5	Improving	2 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	65.1	2019	91.7	-20.7	Improving	1 year	Metropolitan	89.9	91.7	-17.8	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.38. Hospitals with computerized system that allows decision support, including clinical guidelines

Source: American Hospital Association

Benchmark: 87.5 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	53.8	2019	86.2	-17.2	Improving	0 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	60.3	2019	86.1	-15.1	Improving	0 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	45.7	2019	86.4	-19.0	Improving	0 years	Metropolitan	86.1	86.4	-2.2	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.39. Hospitals with computerized system that allows decision support, including clinical reminders

Source: American Hospital Association

Benchmark: 87.4 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	57.3	2019	87.9	-18.9	Improving	Reached	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	62.5	2019	88.1	-17.2	Improving	Reached	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	50.8	2019	87.5	-20.2	Improving	Reached	Metropolitan	88.1	87.5	5.0	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.40. Hospitals with computerized system that allows decision support, including drug allergy alerts

Source: American Hospital Association

Benchmark: 96.6 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	79.0	2019	96.0	-24.6	Improving	0 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	81.7	2019	95.3	-20.6	Improving	1 year	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	75.7	2019	97.8	-33.0	Improving	Reached	Metropolitan	95.3	97.8	-53.2	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.41. Hospitals with computerized system that allows decision support, including drug-drug interaction alerts

Source: American Hospital Association

Benchmark: 94.6 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	78.3	2019	95.3	-22.5	Improving	Reached	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	80.7	2019	94.5	-18.9	Improving	0 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	75.3	2019	97.0	-29.1	Improving	Reached	Metropolitan	94.5	97.0	-45.5	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.42. Hospitals with computerized system that allows decision support, including drug-lab interaction alerts

Source: American Hospital Association

Benchmark: 89.9 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	66.6	2019	88.5	-16.5	Improving	0 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	68.6	2019	87.5	-14.6	Improving	1 year	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	64.1	2019	90.8	-19.7	Improving	Reached	Metropolitan	87.5	90.8	-26.4	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.43. Hospitals with computerized system that allows decision support, including drug dosing support

Source: American Hospital Association

Benchmark: 88.3 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	62.9	2019	88.9	-17.7	Improving	Reached	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	67.3	2019	88.7	-16.0	Improving	Reached	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	57.5	2019	89.2	-19.1	Improving	Reached	Metropolitan	88.7	89.2	-4.4	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.44. Hospitals with computerized system that allows decision support

Source: American Hospital Association

Benchmark: 83.4 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	44.9	2019	80.3	-14.9	Improving	1 year	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	50.3	2019	81.3	-14.3	Improving	0 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	38.2	2019	78.0	-14.5	Improving	1 year	Metropolitan	81.3	78.0	17.6	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.45. Hospitals with computerized system that allows computerized provider order entry, including laboratory test

Source: American Hospital Association

Benchmark: 93.4 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	62.8	2019	93.6	-25.5	Improving	Reached	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	66.1	2019	92.2	-21.4	Improving	0 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	58.7	2019	96.8	-34.1	Improving	Reached	Metropolitan	92.2	96.8	-59.0	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.46. Hospitals with computerized system that allows computerized provider order entry, including radiology tests

Source: American Hospital Association

Benchmark: 92.9 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	62.4	2019	92.1	-23.3	Improving	0 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	65.3	2019	90.2	-19.3	Improving	1 year	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	58.7	2019	96.5	-33.0	Improving	Reached	Metropolitan	90.2	96.5	-64.3	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.47. Hospitals with computerized system that allows computerized provider order entry, including consultant requests

Source: American Hospital Association

Benchmark: 90.0 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	56.8	2019	89.9	-21.0	Improving	0 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	62.8	2019	90.0	-18.6	Improving	0 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	49.4	2019	89.7	-23.1	Improving	0 years	Metropolitan	90.0	89.7	3.0	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.48. Hospitals with computerized system that allows computerized provider order entry, including nursing orders

Source: American Hospital Association

Benchmark: 94.0 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	63.6	2019	93.1	-24.5	Improving	0 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	67.0	2019	91.5	-20.0	Improving	1 year	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	59.4	2019	96.8	-34.0	Improving	Reached	Metropolitan	91.5	96.8	-62.4	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.49. Hospitals with computerized system that allows computerized provider order entry

Source: American Hospital Association

Benchmark: 88.4 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	55.2	2019	88.4	-20.0	Improving	0 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	61.2	2019	88.1	-17.7	Improving	0 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	47.7	2019	88.9	-22.2	Improving	Reached	Metropolitan	88.1	88.9	-6.7	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.50. Hospitals with computerized system that allows results viewing

Source: American Hospital Association

Benchmark: 85.5 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	58.2	2019	79.5	-12.0	Improving	2 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	63.6	2019	78.0	-9.4	Improving	3 years	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	51.4	2019	82.8	-15.5	Improving	1 year	Metropolitan	78.0	82.8	-21.8	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.51. Hospitals with computerized system that allows computerized provider order entry, including medications

Source: American Hospital Association

Benchmark: 95.4 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2013	63.2	2019	94.3	-27.2	Improving	0 years	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2013	67.0	2019	93.2	-23.2	Improving	1 year	=====	=====	=====	=====	=====
	Nonmetropolitan	2013	58.4	2019	96.8	-34.7	Improving	Reached	Metropolitan	93.2	96.8	-52.9	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.52. Hospitals with fully implemented electronic medical record system

Source: American Hospital Association

Benchmark: 61.4 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2014	32.8	2019	63.5	-12.2	Improving	Reached	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2014	36.8	2019	65.2	-12.4	Improving	Reached	=====	=====	=====	=====	=====
	Nonmetropolitan	2014	27.7	2019	59.6	-10.9	Improving	0 years	Metropolitan	65.2	59.6	16.1	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.53. Practices with e-prescribing system for ordering prescriptions

Source: National Electronic Health Records Survey

Benchmark: Not available

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	79.5	2019	83.7	-2.0	No change	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	80.0	2019	84.0	-1.9	No change	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	75.4	2019	81.0	-2.1	No change	=====	Metropolitan	84.0	81.0	18.8	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.54. Practices with e-prescribing system for sending prescriptions electronically to pharmacy

Source: National Electronic Health Records Survey

Benchmark: Not available

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	73.3	2019	88.7	-12.2	Improving	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	73.8	2019	89.2	-13.1	Improving	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	69.2	2019	83.2	-5.0	No change	=====	Metropolitan	89.2	83.2	55.6	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.55. Practices with e-prescribing system for providing warning of drug interactions or contraindications

Source: National Electronic Health Records Survey

Benchmark: Not available

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	66.5	2019	82.1	-8.0	Improving	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	67.0	2019	82.3	-8.1	Improving	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	63.0	2019	80.3	-6.8	Improving	=====	Metropolitan	82.3	80.3	11.3	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.56. Practices that have computerized system for providing reminders

Source: National Electronic Health Records Survey

Benchmark: Not available

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	50.2	2019	56.7	0.0	No change	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	49.5	2019	55.9	0.0	No change	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	55.9	2019	64.6	-1.4	No change	=====	Metropolitan	55.9	64.6	-19.7	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.57. Office-based physicians with a computerized system for clinical decision support

Source: National Electronic Health Records Survey

Benchmark: Not available

Disparity Year: 2017

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	44.8	2017	57.7	-5.7	No change	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	44.3	2017	57.7	-5.9	No change	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	48.7	2017	57.3	-4.1	No change	=====	Metropolitan	57.7	-----	-----	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.58. Practices that have computerized system for recording patient history and demographic information

Source: National Electronic Health Records Survey

Benchmark: Not available

Disparity Year: 2017

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	79.3	2017	90.5	-14.8	Improving	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	79.3	2017	90.6	-15.1	Improving	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	79.2	2017	89.9	-11.9	Improving	=====	Metropolitan	90.6	-----	-----	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.59. Office-based physicians with a computerized system for providing clinical notes

Source: National Electronic Health Records Survey

Benchmark: Not available

Disparity Year: 2017

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	72.8	2017	86.8	-14.5	Improving	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	73.0	2017	86.8	-14.5	Improving	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	71.3	2017	86.4	-13.0	Improving	=====	Metropolitan	86.8	-----	-----	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.60. Practices that have computerized system (not including billing)

Source: National Electronic Health Records Survey

Benchmark: Not available

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	71.8	2019	89.9	-14.1	Improving	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	72.0	2019	90.1	-14.5	Improving	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	69.5	2019	88.4	-10.4	Improving	=====	Metropolitan	90.1	88.4	17.2	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.61. Practices that have computerized system for discharge summaries

Source: National Electronic Health Records Survey

Benchmark: Not available

Disparity Year: 2017

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	56.1	2017	71.7	-8.3	No change	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	56.3	2017	72.0	-8.4	No change	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	54.5	2017	68.4	-6.4	No change	=====	Metropolitan	72.0	-----	-----	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.62. Practices that have computerized system for hospital discharge summary

Source: National Electronic Health Records Survey

Benchmark: Not available

Disparity Year: 2017

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2012	30.4	2017	20.1	3.4	No change	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2012	30.7	2017	19.9	3.5	No change	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2012	28.7	2017	21.7	2.3	No change	=====	Metropolitan	19.9	-----	-----	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.63. Hospitals with computerized systems that are enabled for electronic prescribing of controlled substances

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	94.6	2020	94.6	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	94.7	2020	94.7	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	94.3	2020	94.3	-----	-----	=====	Metropolitan	94.7	94.3	7.5	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.64. Hospitals with computerized systems that provide outpatient care to patients

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	90.5	2020	90.5	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	88.2	2020	88.2	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	95.9	2020	95.9	-----	-----	=====	Metropolitan	88.2	95.9	-65.3	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.65. Hospitals with two or more primary electronic medical record or electronic health record systems in use across outpatient sites

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	26.1	2020	26.1	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	24.5	2020	24.5	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	29.7	2020	29.7	-----	-----	=====	Metropolitan	24.5	29.7	-6.9	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.66. Hospitals with computerized systems enabling patients to view their health information or medical information from their inpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	86.0	2020	86.0	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	83.5	2020	83.5	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	91.7	2020	91.7	-----	-----	=====	Metropolitan	83.5	91.7	-49.7	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.67. Hospitals with computerized systems enabling patients to view their health information or medical information from their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	81.0	2020	81.0	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	79.2	2020	79.2	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	85.0	2020	85.0	-----	-----	=====	Metropolitan	79.2	85.0	-27.9	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.68. Hospitals with computerized systems enabling patients to download health medical information from their inpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	83.3	2020	83.3	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	81.5	2020	81.5	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	87.6	2020	87.6	-----	-----	=====	Metropolitan	81.5	87.6	-33.0	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.69. Hospitals with computerized systems enabling patients to download health medical information from their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	78.6	2020	78.6	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	77.6	2020	77.6	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	80.8	2020	80.8	-----	-----	=====	Metropolitan	77.6	80.8	-14.3	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.70. Hospitals with computerized systems enabling patients to import their medical records from other organizations into their inpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	44.4	2020	44.4	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	44.7	2020	44.7	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	43.6	2020	43.6	-----	-----	=====	Metropolitan	44.7	43.6	2.0	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.71. Hospitals with computerized systems enabling patients to import their medical records from other organizations into some or all their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	42.7	2020	42.7	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	43.7	2020	43.7	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	40.5	2020	40.5	-----	-----	=====	Metropolitan	43.7	40.5	5.7	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.72. Hospitals with computerized systems enabling patients to electronically send health information or medical information in any format (including scanned or structured documents) to a third party from their inpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	63.8	2020	63.8	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	63.9	2020	63.9	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	63.7	2020	63.7	-----	-----	=====	Metropolitan	63.9	63.7	0.6	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.73. Hospitals with computerized systems enabling patients to electronically send health information or medical information in any format to a third party from some or all their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	61.4	2020	61.4	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	62.5	2020	62.5	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	59.1	2020	59.1	-----	-----	=====	Metropolitan	62.5	59.1	9.1	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.74. Hospitals with computerized systems enabling patients to electronically send health information or medical information in a structured format to a third party from their inpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	69.7	2020	69.7	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	69.9	2020	69.9	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	69.3	2020	69.3	-----	-----	=====	Metropolitan	69.9	69.3	2.0	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.75. Hospitals with computerized systems enabling patients to electronically send health information or medical information in a structured format to a third party from some or all their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	64.6	2020	64.6	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	65.3	2020	65.3	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	62.9	2020	62.9	-----	-----	=====	Metropolitan	65.3	62.9	6.9	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.76. Hospitals with computerized systems enabling patients to request an amendment to change or update their medical record on their inpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	65.2	2020	65.2	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	67.6	2020	67.6	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	59.6	2020	59.6	-----	-----	=====	Metropolitan	67.6	59.6	24.7	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.77. Hospitals with computerized systems enabling patients to request an amendment to change or update their medical record on some or all their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	63.0	2020	63.0	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	65.0	2020	65.0	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	58.4	2020	58.4	-----	-----	=====	Metropolitan	65.0	58.4	18.9	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.78. Hospitals with computerized systems enabling patients to designate family member or caregiver to access their health information or medical information on behalf of the patient on their inpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	78.8	2020	78.8	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	78.7	2020	78.7	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	79.0	2020	79.0	-----	-----	=====	Metropolitan	78.7	79.0	-1.4	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.79. Hospitals enabled patients to designate family members or caregivers to access their health information or medical information on behalf of the patient on some or all their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	74.0	2020	74.0	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	73.6	2020	73.6	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	75.2	2020	75.2	-----	-----	=====	Metropolitan	73.6	75.2	-6.1	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.80. Hospitals with computerized systems enabling patients to view their clinical notes in their inpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	74.6	2020	74.6	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	74.1	2020	74.1	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	75.6	2020	75.6	-----	-----	=====	Metropolitan	74.1	75.6	-5.8	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.81. Hospitals with computerized systems enabling patients to view their clinical notes in some or all their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	71.7	2020	71.7	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	71.8	2020	71.8	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	71.2	2020	71.2	-----	-----	=====	Metropolitan	71.8	71.2	2.1	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.82. Hospitals with computerized systems enabling patients to access their health information or medical information using applications configured to meet the application programming interface specifications from their inpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	64.4	2020	64.4	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	62.9	2020	62.9	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	67.9	2020	67.9	-----	-----	=====	Metropolitan	62.9	67.9	-13.5	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.83. Hospitals with computerized systems enabling patients to access their health information or medical information using applications configured to meet the application programming interface specifications from some or all their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	58.4	2020	58.4	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	57.5	2020	57.5	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	60.5	2020	60.5	-----	-----	=====	Metropolitan	57.5	60.5	-7.1	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.84. Hospitals with computerized systems enabling patients to access their health information or medical information using applications configured to meet Fast Healthcare Interoperability

Resource specifications from their inpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	53.5	2020	53.5	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	54.3	2020	54.3	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	51.7	2020	51.7	-----	-----	=====	Metropolitan	54.3	51.7	5.7	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.85. Hospitals with computerized systems enabling patients to access their health information or medical information using applications configured to meet Fast Healthcare Interoperability Resource specifications from some or all their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	47.7	2020	47.7	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	49.1	2020	49.1	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	44.5	2020	44.5	-----	-----	=====	Metropolitan	49.1	44.5	9.0	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.86. Hospitals with computerized systems enabling patients to submit patient generated data to their inpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	38.3	2020	38.3	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	36.5	2020	36.5	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	42.5	2020	42.5	-----	-----	=====	Metropolitan	36.5	42.5	-9.4	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.87. Hospitals with computerized systems enabling patients to submit patient generated data from some or all their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	49.4	2020	49.4	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	48.1	2020	48.1	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	52.2	2020	52.2	-----	-----	=====	Metropolitan	48.1	52.2	-7.9	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.88. Hospitals with computerized systems enabling patients to send or receive secure messages with inpatient providers

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	69.2	2020	69.2	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	69.0	2020	69.0	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	69.8	2020	69.8	-----	-----	=====	Metropolitan	69.0	69.8	-2.6	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.89. Hospitals with computerized systems enabling patients to send or receive secure messages with providers from some or all their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	74.5	2020	74.5	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	73.8	2020	73.8	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	76.1	2020	76.1	-----	-----	=====	Metropolitan	73.8	76.1	-8.8	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.90. Hospitals with computerized systems enabling patients to pay bills online from their inpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	83.0	2020	83.0	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	83.6	2020	83.6	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	81.6	2020	81.6	-----	-----	=====	Metropolitan	83.6	81.6	12.2	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.91. Hospitals with computerized systems enabling patients to pay bills online from some or all their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	74.3	2020	74.3	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	73.1	2020	73.1	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	77.3	2020	77.3	-----	-----	=====	Metropolitan	73.1	77.3	-15.6	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.92. Hospitals with computerized systems enabling patients to request refills for prescriptions online from some or all their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	74.0	2020	74.0	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	74.7	2020	74.7	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	72.2	2020	72.2	-----	-----	=====	Metropolitan	74.7	72.2	9.9	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.93. Hospitals with computerized systems enabling patients to schedule appointments on-line from some or all their outpatient portals

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	66.5	2020	66.5	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	70.0	2020	70.0	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	58.3	2020	58.3	-----	-----	=====	Metropolitan	70.0	58.3	39.0	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.94. Hospitals currently participating in a state, regional, or local health information exchange or health information organization network

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	78.9	2020	78.9	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	79.3	2020	79.3	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	78.1	2020	78.1	-----	-----	=====	Metropolitan	79.3	78.1	5.8	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.95. Hospitals currently participating in CommonWell Health Alliance network

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	32.8	2020	32.8	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	33.2	2020	33.2	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	31.9	2020	31.9	-----	-----	=====	Metropolitan	33.2	31.9	1.9	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.96. Hospitals currently participating in e-Health Exchange network

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	30.3	2020	30.3	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	32.5	2020	32.5	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	25.0	2020	25.0	-----	-----	=====	Metropolitan	32.5	25.0	11.1	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.97. Hospitals currently participating in Strategic Health Information Exchange Collaborative or Patient Centered Data Home network

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	6.1	2020	6.1	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	6.1	2020	6.1	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	6.1	2020	6.1	-----	-----	=====	Metropolitan	6.1	6.1	0.0	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.98. Hospitals currently participating in Carequality (network-to-network) trust or governance framework participation network

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	36.4	2020	36.4	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	40.2	2020	40.2	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	27.5	2020	27.5	-----	-----	=====	Metropolitan	40.2	27.5	21.2	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.99. Hospitals currently participating in electronic health records (EHR) vendor-based-network that enables record location and exchange within the EHR vendor's network of users

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	44.5	2020	44.5	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	46.8	2020	46.8	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	39.1	2020	39.1	-----	-----	=====	Metropolitan	46.8	39.1	14.5	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.100. Hospitals currently participating in other national health exchange networks

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	20.2	2020	20.2	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	22.1	2020	22.1	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	15.7	2020	15.7	-----	-----	=====	Metropolitan	22.1	15.7	8.2	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.101. Hospitals not currently participating in any national health information exchange networks (either via vendor or directly)

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	25.9	2020	25.9	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	25.2	2020	25.2	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	27.5	2020	27.5	-----	-----	=====	Metropolitan	25.2	27.5	-3.1	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.102. Hospital emergency departments regularly providing electronic notification to their patients' primary care physicians

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	77.6	2020	77.6	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	80.1	2020	80.1	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	72.7	2020	72.7	-----	-----	=====	Metropolitan	80.1	72.7	37.2	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.103. Hospital emergency departments regularly providing electronic notification to their patients' primary care physicians inside the system

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	73.5	2020	73.5	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	73.3	2020	73.3	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	74.1	2020	74.1	-----	-----	=====	Metropolitan	73.3	74.1	-3.0	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.104. Hospital emergency departments regularly providing electronic notification to their patients' primary care physicians outside the system

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	65.4	2020	65.4	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	68.5	2020	68.5	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	59.0	2020	59.0	-----	-----	=====	Metropolitan	68.5	59.0	30.2	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.105. Hospitals electronically submitting production data for public health reporting related to syndromic surveillance reporting

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	86.5	2020	86.5	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	87.6	2020	87.6	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	84.2	2020	84.2	-----	-----	=====	Metropolitan	87.6	84.2	27.4	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.106. Hospitals electronically submitting production data for immunization registry reporting

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	86.2	2020	86.2	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	85.8	2020	85.8	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	87.0	2020	87.0	-----	-----	=====	Metropolitan	85.8	87.0	-8.5	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.107. Hospitals electronically submitting production data for public health reporting related to electronic case reporting

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	62.0	2020	62.0	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	65.8	2020	65.8	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	52.8	2020	52.8	-----	-----	=====	Metropolitan	65.8	52.8	38.0	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.108. Hospitals electronically submitting production data for public health reporting related to public health registry reporting

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	73.1	2020	73.1	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	76.8	2020	76.8	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	64.5	2020	64.5	-----	-----	=====	Metropolitan	76.8	64.5	53.0	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.109. Hospitals electronically submitting production data for public health reporting related to clinical data registry reporting

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	58.4	2020	58.4	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	57.5	2020	57.5	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	60.7	2020	60.7	-----	-----	=====	Metropolitan	57.5	60.7	-7.5	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.110. Hospitals electronically submitting production data for public health reporting related to immunization registry reporting

Source: American Hospital Association

Benchmark: Not available

Disparity Year: 2020

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	85.3	2020	85.3	-----	-----	=====	=====	=====	=====	=====	=====
Metropolitan status	Metropolitan	2020	88.0	2020	88.0	-----	-----	=====	=====	=====	=====	=====	=====
	Nonmetropolitan	2020	78.9	2020	78.9	-----	-----	=====	Metropolitan	88.0	78.9	75.8	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Measure Category: 8. Supplemental Measures
Subcategory: Effectiveness of Care

Appendix Table 8.111. Hospital admissions for uncontrolled diabetes per 100,000 population age 18 and over in Indian Health Service areas

Source: Indian Health Service Workload and Population Data Mart

Benchmark: Not available

Disparity Year: 2020

Note: Lower estimates are better for this measure. The measure unit is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	46.0	2020	1.7	-14.0	Improving	=====	=====	=====	=====	=====	=====
Age	18-44	2000	23.8	2019	1.5	-15.0	Improving	=====	=====	=====	=====	=====	=====
	45-64	2000	96.0	2019	3.1	-15.8	Improving	=====	18-44	-----	-----	-----	-----
	65 and over	2000	88.5	2020	5.3	-10.5	Improving	=====		-----	-----	-----	-----
Gender	Male	2000	42.1	2019	2.0	-13.9	Improving	=====	=====	=====	=====	=====	=====
	Female	2000	49.6	2020	2.3	-13.6	Improving	=====	Male	-----	-----	-----	-----

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.112. Hospital admissions for short-term complications of diabetes per 100,000 population age 18 and over in Indian Health Service areas

Source: Indian Health Service Workload and Population Data Mart

Benchmark: Not available

Disparity Year: 2021

Note: Lower estimates are better for this measure. The measure unit is rate per 100,000.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2000	53.3	2021	11.6	-5.5	Improving	=====	=====	=====	=====	=====	=====
Age	18-44	2000	52.7	2021	18.8	-4.9	Improving	=====	=====	=====	=====	=====	=====
	18-24	2012	41.5	2021	13.5	-12.2	Improving	=====	18-44	18.8	13.5	-28.3	Better
	25-34	2012	66.2	2021	21.9	-11.9	Improving	=====			21.9	16.3	Same
	35-44	2012	59.2	2021	22.2	-12.1	Improving	=====			22.2	17.9	Same
	45-64	2000	63.8	2021	14.2	-6.2	Improving	=====			14.2	-24.6	Better
	65 and over	2000	34.6	2021	19.8	-1.9	Improving	=====			19.8	5.1	Same
Gender	Male	2000	67.1	2021	19.5	-5.8	Improving	=====	=====	=====	=====	=====	=====
	Female	2000	40.5	2021	15.2	-3.9	Improving	=====	Male	19.5	15.2	-22.1	Better

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.113. Ryan White HIV patients with at least one HIV care visit and at least two ambulatory visit dates at least 90 days apart during the year

Source: Health Resources and Services Administration

Benchmark: 85.9 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2010	82.2	2019	80.9	0.7	No change	No progress	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2010	83.1	2019	79.2	1.9	Worsening	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2010	83.6	2019	84.2	0.2	No change	No progress	Non-Hispanic, White	79.2	84.2	-24.0	Better
	Non-Hispanic, AI/AN	2010	80.1	2019	74.8	2.5	Worsening	No progress			74.8	21.2	Worse
	Non-Hispanic, Asian	2010	84.6	2019	83.6	0.9	No change	No progress			83.6	-21.2	Better
	Non-Hispanic, NHPI	2010	79.0	2019	81.0	0.1	No change	No progress			81.0	-8.7	Same
	Non-Hispanic, Black	2010	81.2	2019	80.1	0.5	No change	No progress			80.1	-4.3	Same
	Non-Hispanic, multiple races	2010	86.3	2019	78.5	5.4	Worsening	No progress			78.5	3.4	Same
Income	400% of PG or more	2014	81.6	2019	80.0	1.1	No change	No progress	=====	=====	=====	=====	=====
	0-100% of PG	2010	82.9	2019	80.6	0.9	No change	No progress	400% of PG or more	80.0	80.6	-3.0	Same
	101-138% of PG	2014	82.6	2019	83.4	-1.1	No change	No progress			83.4	-17.0	Better
	139-250% of PG	2014	81.8	2019	82.1	-0.4	No change	No progress			82.1	-10.5	Better
	251-400% of PG	2014	79.5	2019	80.9	-1.3	Improving	No progress			80.9	-4.5	Same
	Health insurance	Private, employer-sponsored	2014	80.6	2019	79.3	1.3	Worsening	No progress	=====	=====	=====	=====
	Private individual only	2014	77.4	2019	80.4	-2.9	Improving	No progress	Private, employer-sponsored	79.3	80.4	-5.3	Same
	Medicare and Medicaid	2015	85.1	2019	85.8	-0.4	No change	No progress			85.8	-31.4	Better
	Medicaid only	2015	80.7	2019	80.5	0.4	No change	No progress			80.5	-5.8	Same
	Medicare only	2014	83.4	2019	83.4	0.0	No change	No progress			83.4	-19.8	Better
	Veterans administration	2014	81.2	2019	73.3	6.5	Worsening	No progress			73.3	29.0	Worse
	Other insurance	2015	81.0	2019	78.1	5.0	No change	No progress			78.1	5.8	Same
	Uninsured	2010	81.5	2019	79.3	0.9	No change	No progress			79.3	0.0	Same
	Indian Health Service	2014	78.3	2019	66.0	5.6	No change	No progress			66.0	64.3	Worse
	Multiple coverages	2010	87.1	2019	83.5	2.4	Worsening	No progress			83.5	-20.3	Better

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Age	35-44	2010	81.6	2019	78.5	1.7	Worsening	No progress	=====	=====	=====	=====	=====
	0-12	2010	88.6	2019	87.4	1.2	No change	No progress	35-44	78.5	87.4	-41.4	Better
	13-24	2010	78.0	2019	76.2	0.8	No change	No progress			76.2	10.7	Worse
	25-34	2010	77.9	2019	74.9	1.6	Worsening	No progress			74.9	16.7	Worse
	45-54	2010	83.6	2019	82.2	1.0	Worsening	No progress			82.2	-17.2	Better
	55-64	2010	85.6	2019	84.7	0.6	No change	No progress			84.7	-28.8	Better
	65 and over	2010	85.0	2019	86.4	-1.2	No change	No progress			86.4	-36.7	Better
Gender	Male	2010	82.0	2019	80.2	1.0	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2010	82.9	2019	82.7	0.0	No change	No progress	Male	80.2	82.7	-12.6	Better
	Male-to-female transgender	2015	78.4	2019	79.2	0.0	No change	No progress			79.2	5.1	Same
	Female-to-male transgender	2015	82.5	2019	82.3	0.1	No change	No progress			82.3	-10.6	Same
	Transgender other	2017	77.0	2019	81.9	-----	-----	-----			81.9	-8.6	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.114. Ryan White HIV patients with at least one HIV care visit and most recent viral load <200 during the year

Source: Health Resources and Services Administration

Benchmark: 92.7 in 2015

Disparity Year: 2019

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2010	69.5	2019	88.1	-10.2	Improving	2 years	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2010	76.3	2019	91.8	-11.4	Improving	1 year	=====	=====	=====	=====	=====
	Hispanic, all races	2010	73.6	2019	90.1	-10.6	Improving	1 year	Non-Hispanic, White	91.8	90.1	20.7	Worse
	Non-Hispanic, AI/AN	2010	70.4	2019	87.8	-8.9	Improving	3 years			87.8	48.8	Worse
	Non-Hispanic, Asian	2010	78.8	2019	94.7	-14.5	Improving	Reached			94.7	-35.4	Better
	Non-Hispanic, NHPI	2010	70.5	2019	88.2	-9.2	Improving	3 years			88.2	43.9	Worse
	Non-Hispanic, Black	2010	63.4	2019	85.2	-9.8	Improving	3 years			85.2	80.5	Worse
	Non-Hispanic, multiple races	2010	70.4	2019	87.0	-8.9	Improving	3 years			87.0	58.5	Worse
	Income	400% of PG or more	2014	85.3	2019	96.1	-20.3	Improving	Reached	=====	=====	=====	=====
0-100% of PG		2010	67.3	2019	85.6	-9.0	Improving	3 years	400% of PG or more	96.1	85.6	269.2	Worse
101-138% of PG		2014	84.9	2019	90.7	-9.1	Improving	2 years			90.7	138.5	Worse
139-250% of PG		2014	87.4	2019	91.8	-8.1	Improving	1 year			91.8	110.3	Worse
251-400% of PG		2014	87.2	2019	93.9	-12.7	Improving	Reached			93.9	56.4	Worse
Health insurance	Private, employer-sponsored	2014	88.3	2019	93.7	-12.4	Improving	Reached	=====	=====	=====	=====	=====
	Private individual only	2014	87.8	2019	93.1	-10.9	Improving	Reached	Private, employer-sponsored	93.7	93.1	9.5	Same
	Medicare and Medicaid	2015	87.4	2019	91.3	-8.2	Improving	2 years			91.3	38.1	Worse
	Medicaid only	2015	80.2	2019	85.0	-6.6	Improving	7 years			85.0	138.1	Worse
	Medicare only	2015	88.2	2019	92.1	-9.5	Improving	1 year			92.1	25.4	Worse
	Veterans administration	2014	89.5	2019	92.6	-9.7	Improving	No progress			92.6	17.5	Same
	Other insurance	2015	86.7	2019	87.4	-1.9	No change	No progress			87.4	100.0	Worse
	Indian Health Service	2014	81.2	2019	85.7	-6.2	Improving	No progress			85.7	127.0	Worse
	Uninsured	2010	65.5	2019	83.4	-7.4	Improving	5 years			83.4	163.5	Worse
Multiple coverages	2010	72.0	2019	92.4	-13.9	Improving	0 years			92.4	20.6	Worse	

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Age	35-44	2010	69.3	2019	86.0	-8.6	Improving	4 years	=====	=====	=====	=====	=====
	0-12	2010	71.7	2019	89.4	-10.4	Improving	2 years	35-44	86.0	89.4	-24.3	Better
	13-24	2010	46.6	2019	79.4	-10.2	Improving	4 years			79.4	47.1	Worse
	25-34	2010	58.7	2019	82.1	-8.9	Improving	4 years			82.1	27.9	Worse
	45-54	2010	74.2	2019	89.4	-9.7	Improving	2 years			89.4	-24.3	Better
	55-64	2010	79.2	2019	92.4	-10.9	Improving	0 years			92.4	-45.7	Better
	65 and over	2010	83.7	2019	95.4	-13.1	Improving	Reached			95.4	-67.1	Better
Gender	Male	2010	71.0	2019	88.4	-10.0	Improving	2 years	=====	=====	=====	=====	=====
	Female	2010	66.4	2019	87.9	-10.9	Improving	2 years	Male	88.4	87.9	4.3	Same
	Male-to-female transgender	2015	77.0	2019	83.0	-6.9	Improving	7 years			83.0	46.6	Worse
	Female-to-male transgender	2015	82.7	2019	84.2	-3.5	No change	No progress			84.2	36.2	Worse
	Transgender other	2017	85.3	2019	86.1	-----	-----	-----			86.1	19.8	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.115. Adults who received mental health treatment or counseling in the last 12 months

Source: National Survey on Drug Use and Health

Benchmark: 10.4 in 2015

Disparity Year: 2020

Note: Lower estimates are better for this measure. The measure unit is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening Disparities: ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	16.9	2020	16.9	-----	-----	-----	=====	=====	=====	=====	=====
Race	White	2020	19.0	2020	19.0	-----	-----	-----	=====	=====	=====	=====	=====
	AI/AN	2020	14.5	2020	14.5	-----	-----	-----	White	19.0	14.5	-23.7	Same
	Asian	2020	5.8	2020	5.8	-----	-----	-----			5.8	-69.5	Better
	Black	2020	9.4	2020	9.4	-----	-----	-----			9.4	-50.5	Better
	Multiple races	2020	20.0	2020	20.0	-----	-----	-----			20.0	5.3	Same
Ethnicity	Non-Hispanic, White	2020	21.0	2020	21.0	-----	-----	-----	=====	=====	=====	=====	=====
	Hispanic, all races	2020	10.7	2020	10.7	-----	-----	-----	Non-Hispanic, White	21.0	10.7	-49.0	Better
	Non-Hispanic, all races	2020	18.2	2020	18.2	-----	-----	-----			18.2	-13.3	Better
	Non-Hispanic, Black	2020	9.4	2020	9.4	-----	-----	-----			9.4	-55.2	Better
Income	400% of PG or more	2020	16.4	2020	16.4	-----	-----	-----	=====	=====	=====	=====	=====
	Less than 100% of PG	2020	18.0	2020	18.0	-----	-----	-----	400% of PG or more	16.4	18.0	9.8	Same
	100-199% of PG	2020	16.3	2020	16.3	-----	-----	-----			16.3	-0.6	Same
	200-399% of PG	2020	17.6	2020	17.6	-----	-----	-----			17.6	7.3	Same
Metropolitan status	Large fringe metro	2020	17.1	2020	17.1	-----	-----	-----	=====	=====	=====	=====	=====
	Metropolitan	2020	17.1	2020	17.1	-----	-----	-----	Large fringe metro	17.1	17.1	0.0	Same
	Large central metro	2020	14.7	2020	14.7	-----	-----	-----			14.7	-14.0	Better
	Medium metro	2020	18.3	2020	18.3	-----	-----	-----			18.3	7.0	Same
	Small metro	2020	21.3	2020	21.3	-----	-----	-----			21.3	24.6	Worse
	Nonmetropolitan	2020	16.3	2020	16.3	-----	-----	-----			16.3	-4.7	Same
	Micropolitan	2020	15.8	2020	15.8	-----	-----	-----			15.8	-7.6	Same
	Noncore	2020	17.1	2020	17.1	-----	-----	-----			17.1	0.0	Same

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Age	18-44	2020	18.5	2020	18.5	-----	-----	-----	=====	=====	=====	=====	=====
	45-64	2020	17.6	2020	17.6	-----	-----	-----	18-44	18.5	17.6	-4.9	Same
	65 and over	2020	12.9	2020	12.9	-----	-----	-----			12.9	-30.3	Better
Gender	Male	2020	11.3	2020	11.3	-----	-----	-----	=====	=====	=====	=====	=====
	Female	2020	22.2	2020	22.2	-----	-----	-----	Male	11.3	22.2	96.5	Worse
Education	At least some college	2020	19.3	2020	19.3	-----	-----	-----	=====	=====	=====	=====	=====
	Less than high school graduate	2020	11.9	2020	11.9	-----	-----	-----	At least some college	19.3	11.9	-38.3	Better
	High school graduate	2020	13.8	2020	13.8	-----	-----	-----			13.8	-28.5	Better

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.116. Adults who received outpatient mental health treatment or counseling in the last 12 months

Source: National Survey on Drug Use and Health

Benchmark: 4.6 in 2015

Disparity Year: 2020

Note: Lower estimates are better for this measure. The measure unit is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening Disparities: ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	8.8	2020	8.8	-----	-----	-----	=====	=====	=====	=====	=====
Race	White	2020	9.6	2020	9.6	-----	-----	-----	=====	=====	=====	=====	=====
	AI/AN	2020	9.9	2020	9.9	-----	-----	-----	White	9.6	9.9	3.1	Same
	Asian	2020	2.9	2020	2.9	-----	-----	-----			2.9	-69.8	Better
	Black	2020	6.0	2020	6.0	-----	-----	-----			6.0	-37.5	Better
	Multiple races	2020	10.2	2020	10.2	-----	-----	-----			10.2	6.3	Same
Ethnicity	Non-Hispanic, White	2020	10.7	2020	10.7	-----	-----	-----	=====	=====	=====	=====	=====
	Hispanic, all races	2020	5.4	2020	5.4	-----	-----	-----	Non-Hispanic, White	10.7	5.4	-49.5	Better
	Non-Hispanic, all races	2020	9.5	2020	9.5	-----	-----	-----			9.5	-11.2	Better
	Non-Hispanic, Black	2020	6.0	2020	6.0	-----	-----	-----			6.0	-43.9	Better
Income	400% of PG or more	2020	8.7	2020	8.7	-----	-----	-----	=====	=====	=====	=====	=====
	Less than 100% of PG	2020	9.5	2020	9.5	-----	-----	-----	400% of PG or more	8.7	9.5	9.2	Same
	100-199% of PG	2020	8.5	2020	8.5	-----	-----	-----			8.5	-2.3	Same
	200-399% of PG	2020	8.8	2020	8.8	-----	-----	-----			8.8	1.1	Same
Metropolitan status	Large fringe metro	2020	8.7	2020	8.7	-----	-----	-----	=====	=====	=====	=====	=====
	Metropolitan	2020	9.1	2020	9.1	-----	-----	-----	Large fringe metro	8.7	9.1	4.6	Same
	Large central metro	2020	8.4	2020	8.4	-----	-----	-----			8.4	-3.4	Same
	Medium metro	2020	10.0	2020	10.0	-----	-----	-----			10.0	14.9	Same
	Small metro	2020	10.1	2020	10.1	-----	-----	-----			10.1	16.1	Same
	Nonmetropolitan	2020	7.3	2020	7.3	-----	-----	-----			7.3	-16.1	Same
	Micropolitan	2020	6.9	2020	6.9	-----	-----	-----			6.9	-20.7	Same
Noncore	2020	7.8	2020	7.8	-----	-----	-----			7.8	-10.3	Same	

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Age	18-44	2020	11.0	2020	11.0	-----	-----	-----	=====	=====	=====	=====	=====
	45-64	2020	8.0	2020	8.0	-----	-----	-----	18-44	11.0	8.0	-27.3	Better
	65 and over	2020	5.5	2020	5.5	-----	-----	-----			5.5	-50.0	Better
Gender	Male	2020	5.7	2020	5.7	-----	-----	-----	=====	=====	=====	=====	=====
	Female	2020	11.7	2020	11.7	-----	-----	-----	Male	5.7	11.7	105.3	Worse
Education	At least some college	2020	10.5	2020	10.5	-----	-----	-----	=====	=====	=====	=====	=====
	Less than high school graduate	2020	4.7	2020	4.7	-----	-----	-----	At least some college	10.5	4.7	-55.2	Better
	High school graduate	2020	6.6	2020	6.6	-----	-----	-----			6.6	-37.1	Better

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.117. Adults who received prescription medications for mental health treatment in the last 12 months

Source: National Survey on Drug Use and Health

Benchmark: 8.2 in 2015

Disparity Year: 2020

Note: Lower estimates are better for this measure. The measure unit is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2020	13.8	2020	13.8	-----	-----	-----	=====	=====	=====	=====	=====
Race	White	2020	15.7	2020	15.7	-----	-----	-----	=====	=====	=====	=====	=====
	AI/AN	2020	10.8	2020	10.8	-----	-----	-----	White	15.7	10.8	-31.2	Same
	Asian	2020	4.2	2020	4.2	-----	-----	-----			4.2	-73.2	Better
	Black	2020	6.8	2020	6.8	-----	-----	-----			6.8	-56.7	Better
	Multiple races	2020	15.7	2020	15.7	-----	-----	-----			15.7	0.0	Same
Ethnicity	Non-Hispanic, White	2020	17.5	2020	17.5	-----	-----	-----	=====	=====	=====	=====	=====
	Hispanic, all races	2020	7.8	2020	7.8	-----	-----	-----	Non-Hispanic, White	17.5	7.8	-55.4	Better
	Non-Hispanic, all races	2020	15.0	2020	15.0	-----	-----	-----			15.0	-14.3	Better
	Non-Hispanic, Black	2020	6.8	2020	6.8	-----	-----	-----			6.8	-61.1	Better
Income	400% of PG or more	2020	12.9	2020	12.9	-----	-----	-----	=====	=====	=====	=====	=====
	Less than 100% of PG	2020	14.5	2020	14.5	-----	-----	-----	400% of PG or more	12.9	14.5	12.4	Same
	100-199% of PG	2020	13.5	2020	13.5	-----	-----	-----			13.5	4.7	Same
	200-399% of PG	2020	14.9	2020	14.9	-----	-----	-----			14.9	15.5	Worse
Metropolitan status	Large fringe metro	2020	14.0	2020	14.0	-----	-----	-----	=====	=====	=====	=====	=====
	Metropolitan	2020	13.8	2020	13.8	-----	-----	-----	Large fringe metro	14.0	13.8	-1.4	Same
	Large central metro	2020	11.1	2020	11.1	-----	-----	-----			11.1	-20.7	Better
	Medium metro	2020	15.3	2020	15.3	-----	-----	-----			15.3	9.3	Same
	Small metro	2020	18.3	2020	18.3	-----	-----	-----			18.3	30.7	Worse
	Nonmetropolitan	2020	13.9	2020	13.9	-----	-----	-----			13.9	-0.7	Same
	Micropolitan	2020	13.2	2020	13.2	-----	-----	-----			13.2	-5.7	Same
	Noncore	2020	14.8	2020	14.8	-----	-----	-----			14.8	5.7	Same

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Age	18-44	2020	14.0	2020	14.0	-----	-----	-----	=====	=====	=====	=====	=====
	45-64	2020	15.3	2020	15.3	-----	-----	-----	18-44	14.0	15.3	9.3	Same
	65 and over	2020	11.2	2020	11.2	-----	-----	-----			11.2	-20.0	Better
Gender	Male	2020	8.9	2020	8.9	-----	-----	-----	=====	=====	=====	=====	=====
	Female	2020	18.4	2020	18.4	-----	-----	-----	Male	8.9	18.4	106.7	Worse
Education	At least some college	2020	15.4	2020	15.4	-----	-----	-----	=====	=====	=====	=====	=====
	Less than high school graduate	2020	9.5	2020	9.5	-----	-----	-----	At least some college	15.4	9.5	-38.3	Better
	High school graduate	2020	12.0	2020	12.0	-----	-----	-----			12.0	-22.1	Better

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.118. Cesarean delivery of low risk births giving birth for first time

Source: National Vital Statistics System - Natality

Benchmark: Not available

Disparity Year: 2020

Note: Lower estimates are better for this measure. The measure unit is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2007	27.5	2020	25.9	-0.7	No change	=====	=====	=====	=====	=====	=====
Race	White	2018	25.0	2020	24.9	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2018	22.8	2020	23.6	-----	-----	=====	White	24.9	23.6	-5.2	Same
	Asian	2019	27.3	2020	27.6	-----	-----	=====			27.6	10.8	Worse
	NHPI	2019	25.6	2020	27.9	-----	-----	=====			27.9	12.0	Worse
	Black	2018	29.7	2020	30.3	-----	-----	=====			30.3	21.7	Worse
Ethnicity	Non-Hispanic, White	2018	24.9	2020	24.9	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2018	25.4	2020	25.2	-----	-----	=====	Non-Hispanic, White	24.9	25.2	1.2	Same
	Non-Hispanic, all races	2018	26.1	2020	26.1	-----	-----	=====			26.1	4.8	Same
	Non-Hispanic, AI/AN	2020	23.7	2020	23.7	-----	-----	=====			23.7	-4.8	Same
	Non-Hispanic, Asian	2020	27.7	2020	27.7	-----	-----	=====			27.7	11.2	Worse
	Non-Hispanic, NHPI	2020	29.2	2020	29.2	-----	-----	=====			29.2	17.3	Worse
	Non-Hispanic, Black	2018	30.1	2020	30.6	-----	-----	=====			30.6	22.9	Worse
Metropolitan status	Large fringe metro	2013	28.0	2020	26.6	-0.6	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2013	26.9	2020	26.0	-0.3	No change	=====	Large fringe metro	26.6	26.0	-2.3	Same
	Large central metro	2013	27.7	2020	26.2	-0.6	No change	=====			26.2	-1.5	Same
	Medium metro	2013	25.8	2020	25.6	0.1	No change	=====			25.6	-3.8	Same
	Small metro	2013	24.2	2020	24.5	0.3	No change	=====			24.5	-7.9	Same
	Micropolitan	2013	25.7	2020	25.0	-0.2	No change	=====			25.0	-6.0	Same
	Noncore	2013	26.4	2020	25.5	-0.6	No change	=====			25.5	-4.1	Same

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Age	25-29	2007	28.7	2020	25.6	-1.2	Improving	=====	=====	=====	=====	=====	=====
	15-19	2007	19.4	2020	15.9	-1.9	Improving	=====	25-29	25.6	15.9	-37.9	Better
	20-24	2007	24.5	2020	21.5	-1.4	Improving	=====			21.5	-16.0	Better
	30-34	2007	34.3	2020	28.9	-1.5	Improving	=====			28.9	12.9	Worse
	35 and over	2007	44.9	2020	40.3	-1.0	Improving	=====			40.3	57.4	Worse
Gender	Male	2007	29.6	2020	28.2	-0.6	No change	=====	=====	=====	=====	=====	=====
	Female	2007	25.3	2020	23.5	-0.8	No change	=====	Male	28.2	23.5	-16.7	Better
Education	At least some college	2007	29.7	2020	27.3	-0.9	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2007	27.3	2020	25.6	-0.7	No change	=====	At least some college	27.3	25.6	-6.2	Same
	High school graduate	2007	28.8	2020	26.5	-0.9	No change	=====			26.5	-2.9	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.119. Total cesarean births
 Source: National Vital Statistics System - Natality
 Benchmark: Not available
 Disparity Year: 2020

Note: Lower estimates are better for this measure. The measure unit is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening Disparities: ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2009	32.9	2020	31.8	-0.4	No change	=====	=====	=====	=====	=====	=====
Race	White	2018	31.0	2020	30.9	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2018	29.0	2020	29.0	-----	-----	=====	White	30.9	29.0	-6.1	Same
	Asian	2019	32.6	2020	32.6	-----	-----	=====			32.6	5.5	Same
	NHPI	2019	30.0	2020	31.5	-----	-----	=====			31.5	1.9	Same
	Black	2018	35.6	2020	36.0	-----	-----	=====			36.0	16.5	Worse
Ethnicity	Non-Hispanic, White	2018	30.8	2020	30.8	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2018	31.6	2020	31.4	-----	-----	=====	Non-Hispanic, White	30.8	31.4	1.9	Same
	Non-Hispanic, all races	2018	32.0	2020	32.0	-----	-----	=====			32.0	3.9	Same
	Non-Hispanic, AI/AN	2020	28.8	2020	28.8	-----	-----	=====			28.8	-6.5	Same
	Non-Hispanic, Asian	2020	32.6	2020	32.6	-----	-----	=====			32.6	5.8	Same
	Non-Hispanic, NHPI	2020	32.3	2020	32.3	-----	-----	=====			32.3	4.9	Same
	Non-Hispanic, Black	2018	35.8	2020	36.3	-----	-----	=====			36.3	17.9	Worse
Metropolitan status	Large fringe metro	2013	34.2	2020	32.5	-0.7	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2013	32.8	2020	31.8	-0.4	No change	=====	Large fringe metro	32.5	31.8	-2.2	Same
	Large central metro	2013	33.0	2020	31.8	-0.4	No change	=====			31.8	-2.2	Same
	Medium metro	2013	31.9	2020	31.7	0.0	No change	=====			31.7	-2.5	Same
	Small metro	2013	30.8	2020	30.6	-0.2	No change	=====			30.6	-5.8	Same
	Micropolitan	2013	32.1	2020	31.4	-0.3	No change	=====			31.4	-3.4	Same
	Noncore	2013	32.4	2020	31.9	-0.2	No change	=====			31.9	-1.8	Same

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Age	25-29	2009	31.7	2020	29.7	-0.7	No change	=====	=====	=====	=====	=====	=====
	Under 15	2010	19.9	2020	16.6	-1.7	Improving	=====	25-29	29.7	16.6	-44.1	Better
	15-19	2009	23.2	2020	19.4	-1.7	Improving	=====			19.4	-34.7	Better
	20-24	2009	28.5	2020	25.3	-1.2	Improving	=====			25.3	-14.8	Better
	30-34	2009	36.3	2020	33.7	-0.7	No change	=====			33.7	13.5	Worse
	35 and over	2009	44.1	2020	41.1	-0.7	No change	=====			41.1	38.4	Worse
Gender	Male	2009	33.8	2020	32.7	-0.3	No change	=====	=====	=====	=====	=====	=====
	Female	2009	31.9	2020	30.8	-0.4	No change	=====	Male	32.7	30.8	-5.8	Same
Education	At least some college	2016	33.3	2020	32.9	-0.4	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2016	30.5	2020	30.2	-0.4	No change	=====	At least some college	32.9	30.2	-8.2	Same
	High school graduate	2016	32.0	2020	32.0	-0.1	No change	=====			32.0	-2.7	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.120. Total preterm births
 Source: National Vital Statistics System - Natality
 Benchmark: Not available
 Disparity Year: 2020

Note: Lower estimates are better for this measure. The measure unit is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2007	10.4	2020	10.1	-0.2	No change	=====	=====	=====	=====	=====	=====
Race	White	2018	9.3	2020	9.3	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2018	11.3	2020	11.4	-----	-----	=====	White	9.3	11.4	22.6	Worse
	Asian	2019	8.9	2020	8.6	-----	-----	=====			8.6	-7.5	Same
	NHPI	2019	10.9	2020	11.6	-----	-----	=====			11.6	24.7	Worse
	Black	2018	13.7	2020	14.1	-----	-----	=====			14.1	51.6	Worse
Ethnicity	Non-Hispanic, White	2018	9.1	2020	9.1	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2018	9.7	2020	9.8	-----	-----	=====	Non-Hispanic, White	9.1	9.8	7.7	Same
	Non-Hispanic, all races	2018	10.1	2020	10.2	-----	-----	=====			10.2	12.1	Worse
	Non-Hispanic, AI/AN	2020	11.6	2020	11.6	-----	-----	=====			11.6	27.5	Worse
	Non-Hispanic, Asian	2020	8.5	2020	8.5	-----	-----	=====			8.5	-6.6	Same
	Non-Hispanic, NHPI	2020	12.0	2020	12.0	-----	-----	=====			12.0	31.9	Worse
	Non-Hispanic, Black	2018	14.0	2020	14.4	-----	-----	=====			14.4	58.2	Worse
Metropolitan status	Large fringe metro	2013	9.3	2020	9.7	0.8	No change	=====	=====	=====	=====	=====	=====
	Metropolitan	2013	9.6	2020	10.0	0.9	No change	=====	Large fringe metro	9.7	10.0	3.1	Same
	Large central metro	2013	9.6	2020	9.9	0.8	No change	=====			9.9	2.1	Same
	Medium metro	2013	9.9	2020	10.5	1.0	Worsening	=====			10.5	8.2	Same
	Small metro	2013	9.5	2020	10.2	1.3	Worsening	=====			10.2	5.2	Same
	Micropolitan	2013	9.8	2020	10.4	1.2	Worsening	=====			10.4	7.2	Same
	Noncore	2013	9.9	2020	10.8	1.4	Worsening	=====			10.8	11.3	Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Age	25-29	2007	9.7	2020	9.5	-0.1	No change	=====	=====	=====	=====	=====	=====
	Under 15	2007	15.1	2020	15.4	0.1	No change	=====	25-29	9.5	15.4	62.1	Worse
	15-19	2007	11.0	2020	10.3	-0.2	No change	=====			10.3	8.4	Same
	20-24	2007	10.1	2020	9.7	-0.1	No change	=====			9.7	2.1	Same
	30-34	2007	10.3	2020	9.8	-0.4	No change	=====			9.8	3.2	Same
	35 and over	2007	12.3	2020	11.7	-0.3	No change	=====			11.7	23.2	Worse
Gender	Male	2007	10.8	2020	10.5	-0.1	No change	=====	=====	=====	=====	=====	=====
	Female	2007	10.1	2020	9.7	-0.2	No change	=====	Male	10.5	9.7	-7.6	Same
Education	At least some college	2007	10.4	2020	9.3	-0.4	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2007	10.3	2020	11.7	1.2	Worsening	=====	At least some college	9.3	11.7	25.8	Worse
	High school graduate	2007	10.7	2020	11.2	0.4	No change	=====			11.2	20.4	Worse

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.121. Late preterm or live births at 34 to 36 weeks of gestation

Source: National Vital Statistics System - Natality

Benchmark: Not available

Disparity Year: 2020

Note: Lower estimates are better for this measure. The measure unit is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2007	7.5	2020	7.4	0.0	No change	=====	=====	=====	=====	=====	=====
Race	White	2018	6.9	2020	7.0	-----	-----	=====	=====	=====	=====	=====	=====
	AI/AN	2018	8.3	2020	8.4	-----	-----	=====	White	7.0	8.4	20.0	Worse
	Asian	2019	6.7	2020	6.5	-----	-----	=====			6.5	-7.1	Same
	NHPI	2019	8.1	2020	8.6	-----	-----	=====			8.6	22.9	Worse
	Black	2018	9.0	2020	9.4	-----	-----	=====			9.4	34.3	Worse
Ethnicity	Non-Hispanic, White	2018	6.8	2020	6.9	-----	-----	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2018	7.2	2020	7.3	-----	-----	=====	Non-Hispanic, White	6.9	7.3	5.8	Same
	Non-Hispanic, all races	2018	7.3	2020	7.4	-----	-----	=====			7.4	7.2	Same
	Non-Hispanic, AI/AN	2020	8.5	2020	8.5	-----	-----	=====			8.5	23.2	Worse
	Non-Hispanic, Asian	2020	6.4	2020	6.4	-----	-----	=====			6.4	-7.2	Same
	Non-Hispanic, NHPI	2020	9.0	2020	9.0	-----	-----	=====			9.0	30.4	Worse
	Non-Hispanic, Black	2018	9.2	2020	9.5	-----	-----	=====			9.5	37.7	Worse
Metropolitan status	Large fringe metro	2013	6.6	2020	7.1	1.4	Worsening	=====	=====	=====	=====	=====	=====
	Metropolitan	2013	6.8	2020	7.3	1.3	Worsening	=====	Large fringe metro	7.1	7.3	2.8	Same
	Large central metro	2013	6.7	2020	7.2	1.3	Worsening	=====			7.2	1.4	Same
	Medium metro	2013	7.0	2020	7.7	1.4	Worsening	=====			7.7	8.5	Same
	Small metro	2013	6.8	2020	7.5	1.7	Worsening	=====			7.5	5.6	Same
	Micropolitan	2013	7.1	2020	7.7	1.6	Worsening	=====			7.7	8.5	Same
	Noncore	2013	7.2	2020	8.0	1.6	Worsening	=====			8.0	12.7	Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Age	25-29	2007	7.1	2020	7.0	-0.1	No change	=====	=====	=====	=====	=====	=====
	Under 15	2007	9.5	2020	9.6	0.2	No change	=====	25-29	7.0	9.6	37.1	Worse
	15-19	2007	7.6	2020	7.2	-0.2	No change	=====			7.2	2.9	Same
	20-24	2007	7.3	2020	7.1	-0.1	No change	=====			7.1	1.4	Same
	30-34	2007	7.4	2020	7.2	-0.3	No change	=====			7.2	2.9	Same
	35 and over	2007	8.8	2020	8.6	-0.1	No change	=====			8.6	22.9	Worse
Gender	Male	2007	7.8	2020	7.7	0.0	No change	=====	=====	=====	=====	=====	=====
	Female	2007	7.2	2020	7.1	0.0	No change	=====	Male	7.7	7.1	-7.8	Same
Education	At least some college	2007	7.6	2020	6.9	-0.4	No change	=====	=====	=====	=====	=====	=====
	Less than high school graduate	2007	7.4	2020	8.6	1.3	Worsening	=====	At least some college	6.9	8.6	24.6	Worse
	High school graduate	2007	7.7	2020	8.1	0.5	No change	=====			8.1	17.4	Worse

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.122. Women who completed a pregnancy in the last 12 months who received prenatal care in the first trimester

Source: National Vital Statistics System - Natality

Benchmark: Not available

Disparity Year: 2016

Note: Higher estimates (percentages) are better for this measure. Percentages were flipped to negative direction for calculations.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	77.1	2016	77.1	-----	-----	=====					
Race	White	2016	76.3	2016	76.3	-----	-----	=====					
	AI/AN	2016	61.9	2016	61.9	-----	-----	=====	White	76.3	-----	-----	-----
	Black	2016	64.0	2016	64.0	-----	-----	=====					
Ethnicity	Non-Hispanic, White	2016	82.3	2016	82.3	-----	-----	=====					
	Hispanic, all races	2016	72.0	2016	72.0	-----	-----	=====	Non-Hispanic, White	82.3	-----	-----	-----
	Non-Hispanic, all races	2013	75.7	2013	75.7	-----	-----	=====					
	Non-Hispanic, Black	2016	66.5	2016	66.5	-----	-----	=====					
Metropolitan status	Large fringe metro	2013	76.5	2013	76.5	-----	-----	=====					
	Metropolitan	2013	74.7	2013	74.7	-----	-----	=====	Large fringe metro	-----	-----	-----	-----
	Large central metro	2013	74.6	2013	74.6	-----	-----	=====					
	Medium metro	2013	73.5	2013	73.5	-----	-----	=====					
	Small metro	2013	73.1	2013	73.1	-----	-----	=====					
	Micropolitan	2013	72.2	2013	72.2	-----	-----	=====					
	Noncore	2013	70.7	2013	70.7	-----	-----	=====					
Age	25-29	2016	77.8	2016	77.8	-----	-----	=====					
	Under 15	2016	36.7	2016	36.7	-----	-----	=====	25-29	77.8	-----	-----	-----
	15-19	2016	61.5	2016	61.5	-----	-----	=====					
	20-24	2016	70.3	2016	70.3	-----	-----	=====					
	30-34	2016	82.1	2016	82.1	-----	-----	=====					
	35 and over	2013	79.3	2013	79.3	-----	-----	=====					

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed. Data for race and ethnicity were for single race categories consistent with Healthy People 2030.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.123. Patients who received appropriate care for severe sepsis and septic shock

Source: HIQR

Benchmark: 34.3 in 2016

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is percentage.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	41.9	2019	59.6	12.7	Worsening	No progress	=====	=====	=====	=====	=====
Race	White	2016	42.4	2019	60.1	12.6	Worsening	No progress	=====	=====	=====	=====	=====
	AI/AN	2016	37.2	2019	54.9	13.6	Worsening	No progress	White	60.1	54.9	-8.7	Same
	Asian	2016	48.3	2019	65.7	10.5	Worsening	No progress			65.7	9.3	Same
	NHPI	2016	48.3	2019	63.8	10.2	Worsening	No progress			63.8	6.2	Same
	Black	2016	38.5	2019	56.1	13.5	Worsening	No progress			56.1	-6.7	Same
Ethnicity	Non-Hispanic, all races	2016	42.1	2019	59.5	12.4	Worsening	No progress	=====	=====	=====	=====	=====
	Hispanic, all races	2016	39.7	2019	59.9	14.8	Worsening	No progress	Non-Hispanic, all races	59.5	59.9	0.7	Same
Age	0-64	2016	41.6	2019	59.9	13.1	Worsening	No progress	=====	=====	=====	=====	=====
	65-74	2016	41.8	2019	58.7	12.2	Worsening	No progress	0-64	59.9	58.7	-2.0	Same
	75-84	2016	42.3	2019	59.5	12.4	Worsening	No progress			59.5	-0.7	Same
	85 and over	2016	42.2	2019	60.3	12.9	Worsening	No progress			60.3	0.7	Same
Gender	Male	2016	42.4	2019	60.5	12.8	Worsening	No progress	=====	=====	=====	=====	=====
	Female	2016	41.4	2019	58.6	12.5	Worsening	No progress	Male	60.5	58.6	-3.1	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Measure Category: 8. Supplemental Measures
Subcategory: Affordable Care

Appendix Table 8.124. Cost for hospital admissions for all conditions, adults age 18 and over
 Source: Healthcare Cost and Utilization Project
 Benchmark: Not available
 Disparity Year: 2019
 Note: Lower estimates are better for this measure. The measure unit is average cost in dollars.
 Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	9245.0	2019	10736.0	4.9	Worsening	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	8936.0	2019	10282.0	4.6	Worsening	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	10468.0	2019	12333.0	5.3	Worsening	=====	Non-Hispanic, White	10282.0	12333.0	19.9	Worse
	Non-Hispanic, API	2016	11830.0	2019	14439.0	6.7	Worsening	=====			14439.0	40.4	Worse
	Non-Hispanic, Black	2016	9380.0	2019	10873.0	4.8	Worsening	=====			10873.0	5.7	Same
Income	400% of PG or more	2016	10429.0	2019	12395.0	5.7	Worsening	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	8796.0	2019	10126.0	4.6	Worsening	=====	400% of PG or more	12395.0	10126.0	-18.3	Better
	100-199% of PG	2016	8937.0	2019	10336.0	4.9	Worsening	=====			10336.0	-16.6	Better
	200-399% of PG	2016	9498.0	2019	11055.0	4.9	Worsening	=====			11055.0	-10.8	Better

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.125. Cost for hospital admissions for acute conditions, adults age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark: Not available

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is average cost in dollars.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	8120.0	2019	8856.0	3.1	Worsening	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	8004.0	2019	8747.0	3.2	Worsening	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	8455.0	2019	9113.0	2.5	Worsening	=====	Non-Hispanic, White	8747.0	9113.0	4.2	Same
	Non-Hispanic, API	2016	10006.0	2019	11175.0	4.0	Worsening	=====			11175.0	27.8	Worse
	Non-Hispanic, Black	2016	8185.0	2019	8791.0	2.5	No change	=====			8791.0	0.5	Same
Income	400% of PG or more	2016	8781.0	2019	9590.0	3.1	No change	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	7850.0	2019	8541.0	3.0	Worsening	=====	400% of PG or more	9590.0	8541.0	-10.9	Better
	100-199% of PG	2016	7980.0	2019	8767.0	3.4	Worsening	=====			8767.0	-8.6	Same
	200-399% of PG	2016	8176.0	2019	8881.0	2.9	No change	=====			8881.0	-7.4	Same

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.126. Cost for hospital admissions for chronic conditions, adults age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark: Not available

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is average cost in dollars.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	9702.0	2019	11327.0	5.1	Worsening	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	9376.0	2019	10867.0	4.9	Worsening	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	11252.0	2019	13179.0	5.1	Worsening	=====	Non-Hispanic, White	10867.0	13179.0	21.3	Worse
	Non-Hispanic, API	2016	12572.0	2019	15392.0	6.8	Worsening	=====			15392.0	41.6	Worse
	Non-Hispanic, Black	2016	9637.0	2019	11200.0	4.9	Worsening	=====			11200.0	3.1	Same
Income	400% of PG or more	2016	11194.0	2019	13395.0	6.0	Worsening	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	9141.0	2019	10580.0	4.8	Worsening	=====	400% of PG or more	13395.0	10580.0	-21.0	Better
	100-199% of PG	2016	9341.0	2019	10846.0	5.0	Worsening	=====			10846.0	-19.0	Better
	200-399% of PG	2016	10051.0	2019	11751.0	5.1	Worsening	=====			11751.0	-12.3	Better

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.

Appendix Table 8.127. Cost for hospital admissions for diabetes, adults age 18 and over

Source: Healthcare Cost and Utilization Project

Benchmark: Not available

Disparity Year: 2019

Note: Lower estimates are better for this measure. The measure unit is average cost in dollars.

Legend:

Trend: ■ Improving ■ Not changing ■ Worsening **Disparities:** ■ Better ■ Same ■ Worse

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark	Reference Group	Estimate for Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	12139.0	2019	13958.0	4.4	Worsening	=====	=====	=====	=====	=====	=====
Ethnicity	Non-Hispanic, White	2016	11635.0	2019	13389.0	4.5	Worsening	=====	=====	=====	=====	=====	=====
	Hispanic, all races	2016	13988.0	2019	15865.0	3.9	Worsening	=====	Non-Hispanic, White	13389.0	15865.0	18.5	Worse
	Non-Hispanic, API	2016	16409.0	2019	20275.0	6.8	Worsening	=====			20275.0	51.4	Worse
	Non-Hispanic, Black	2016	11770.0	2019	13440.0	4.1	Worsening	=====			13440.0	0.4	Same
Income	400% of PG or more	2016	13991.0	2019	16737.0	5.7	Worsening	=====	=====	=====	=====	=====	=====
	Less than 100% of PG	2016	11444.0	2019	12985.0	3.9	Worsening	=====	400% of PG or more	16737.0	12985.0	-22.4	Better
	100-199% of PG	2016	11738.0	2019	13435.0	4.4	Worsening	=====			13435.0	-19.7	Better
	200-399% of PG	2016	12704.0	2019	14623.0	4.3	Worsening	=====			14623.0	-12.6	Better

----- : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

===== : Not applicable.

This measure is not a core measure. Additional information is available in the Introduction and Methods section and in the Measure Specification Appendix. More data are available at <https://datatools.ahrq.gov/nhqdr>.