2023 National Healthcare Quality and Disparities Report

Appendix B. Quality Trends and Disparities Tables: 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. However, more than half of all Americans are managing at least one chronic disease and many of them 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, showing number of deaths from those causes in 2021 and estimated healthcare costs to treat the conditions. Condition-specific costs are obtained from separate sources and methodologies may differ[3]:

- Heart disease: 695,547 deaths in 2021 and $239.9 billion annual average in 2018 to 2019.[4]
- Cancer: 605,213 deaths in 2021 and $183 billion in 2015.[5]
- COVID-19: 416,893 deaths in 2021.
- Accidents (unintentional injuries): 224,935 deaths in 2021 and $327 billion in 2019.[6]
- Stroke (cerebrovascular diseases): 162,890 deaths in 2021 and $45.5 billion annual average for 2014-2015.[7]
- Chronic lower respiratory diseases: 142,342 deaths in 2021, $49 billion for chronic obstructive pulmonary disease in 2020[7] and $50 billion for asthma in 2013.[8]
- Alzheimer's disease: 119,399 deaths in 2021 and $355 billion in 2021.[9]
- Diabetes: 103,294 deaths in 2021 and $237 billion in 2017.[10]
- Chronic liver disease and cirrhosis: 56,585 deaths in 2021.
- Nephritis, nephrotic syndrome, and nephrosis: 54,358 deaths in 2021 and $87.2 billion in Medicare for chronic kidney disease without end stage renal disease and $37.3 billion in Medicare for end stage renal disease in 2019.[11]

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.
- HIV infection deaths per 100,000 population.
- Deaths per 1,000 hospital admissions with percutaneous coronary intervention, age 40 years and over.
- Patients with tuberculosis who completed a curative course of treatment within 1 year of initiation of treatment.
- Deaths per 1,000 hospital admissions with heart failure, age 18 years and over.

Effective care measures that worsened overall include:

- Emergency department visits involving opioid-related diagnoses per 100,000 population.
- Hospital inpatient stays involving opioid-related diagnoses per 100,000 population.
- Suicide deaths among people age 12 and over per 100,000 population.
- Adults age 40 years 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:

- Lung cancer deaths per 100,000 population per year.
- Hospital admissions for heart failure per 100,000 population.
- Colorectal cancer deaths per 100,000 population per year.

Effective care measures that showed worsening disparities include:

- Emergency department visits involving opioid-related diagnoses per 100,000 population.
- Hospital inpatient stays involving opioid-related diagnoses per 100,000 population.

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Measure Category: 4. Effectiveness of Care, Subcategory: 1. Cancer

Appendix Table 4.1.1. 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: NCDB

Benchmark: 86.8 in 2015

Data year for disparities analysis: 2020

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

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	2005	82.1	2020	82.4	0.6	No change	No progress	======	======	======	======	======
Race	White	2005	81.9	2020	82.4	0.5	No change	No progress	======	======	======	======	======
	AI/AN	2005	86.8	2020	83.1	1.5	Worsening	No progress	White	82.4	83.1	-4.0	Same
	Asian	2005	82.0	2020	80.7	1.5	Worsening	No progress			80.7	9.7	Same
	NHPI	2005	75.9	2020	81.4	0.2	No change	No progress			81.4	5.7	Same
	Black	2005	82.6	2020	81.9	1.2	Worsening	No progress			81.9	2.8	Same
Ethnicity	Non-Hispanic, White	2005	81.9	2020	82.4	0.5	No change	No progress	======	======	======	======	======
	Hispanic, all races	2005	83.8	2020	84.5	1.0	Worsening	No progress	Non-Hispanic, White	82.4	84.5	-11.9	Better
	Non-Hispanic, AI/AN	2005	86.8	2020	83.1	1.5	Worsening	No progress			83.1	-4.0	Same
	Non-Hispanic, Asian	2005	82.0	2020	80.7	1.5	Worsening	No progress			80.7	9.7	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
	Non-Hispanic, NHPI	2005	75.9	2020	81.4	0.2	No change	No progress			81.4	5.7	Same
	Non-Hispanic, Black	2005	82.6	2020	81.9	1.2	Worsening	No progress			81.9	2.8	Same
	Non-Hispanic, other	2005	78.4	2020	82.5	0.6	No change	No progress			82.5	-0.6	Same
Income	400% of PL or more	2005	78.8	2020	80.3	-0.1	No change	No progress	======	======	======	======	======
	Less than 100% of PL	2005	83.4	2020	85.0	0.9	No change	No progress	400% of PL or more	80.3	85.0	-23.9	Better
	100%-199% of PL	2005	82.7	2020	82.8	0.7	No change	No progress			82.8	-12.7	Better
	200%-399% of PL	2005	80.7	2020	81.3	0.5	No change	No progress			81.3	-5.1	Same
Health insurance	Private	2005	83.2	2020	85.0	-0.1	No change	No progress	======	======	======	======	======
	Public only	2005	85.7	2020	86.4	0.8	No change	No progress	Private	85.0	86.4	-9.3	Same
	Uninsured/other	2005	83.6	2020	85.3	0.1	No change	No progress			85.3	-2.0	Same
Metropolitan status	Large metropolitan	2005	81.2	2020	81.6	0.7	No change	No progress	======	======	======	======	======
	Metropolitan	2005	81.7	2020	82.0	0.7	No change	No progress	Large metropolitan	81.6	82.0	-2.2	Same
	Small metro	2005	82.6	2020	82.7	0.6	No change	No progress			82.7	-6.0	Same
	Micropolitan	2005	83.6	2020	84.7	0.0	No change	No progress			84.7	-16.8	Better
	Noncore	2005	85.4	2020	84.9	0.9	No change	No progress			84.9	-17.9	Better
	Noncore, adjacent	2005	85.4	2020	84.7	0.8	No change	No progress			84.7	-16.8	Better

Measure Category: 4. Effectiveness of Care, Subcategory: 1. Cancer

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
	Noncore, rural	2005	85.7	2020	85.3	1.3	Worsening	No progress				85.3	-20.1	Better
Age	40-49	2005	82.6	2020	85.3	-0.3	No change	No progress		======	======	======	======	======
	Under 40	2005	90.2	2020	91.7	-1.1	Improving	Reached		40-49	85.3	91.7	-43.5	Better
	50-59	2005	82.8	2020	84.5	0.1	No change	No progress				84.5	5.4	Same
	60-69	2005	84.1	2020	83.8	0.9	No change	No progress				83.8	10.2	Worse
	70-79	2005	81.9	2020	77.5	2.1	Worsening	No progress				77.5	53.1	Worse
	80 and over	2005	68.6	2020	64.5	1.6	Worsening	No progress				64.5	141.5	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.1.2. 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: NCDB

Benchmark: 95.6 in 2015

Data year for disparities analysis: 2020

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

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	2005	84.1	2020	90.1	-3.0	Improving	15 years		======	======	======	======	======
Race	White	2005	85.6	2020	91.2	-3.0	Improving	14 years		======	======	======	======	======

Measure Category: 4. Effectiveness of Care, Subcategory: 1. Cancer

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
	AI/AN	2005	83.1	2020	88.0	-2.0	No change	No progress	White	91.2	88.0	36.4	Same
	Asian	2005	85.4	2020	91.6	-4.3	Improving	8 years			91.6	-4.5	Same
	NHPI	2005	85.2	2020	85.9	-0.2	No change	No progress			85.9	60.2	Same
	Black	2005	78.0	2020	87.4	-3.5	Improving	15 years			87.4	43.2	Worse
Ethnicity	Non-Hispanic, White	2005	85.6	2020	91.2	-3.0	Improving	14 years	======	======	======	======	======
	Hispanic, all races	2005	72.6	2020	86.3	-5.1	Improving	10 years	Non-Hispanic, White	91.2	86.3	55.7	Worse
	Non-Hispanic, AI/AN	2005	83.1	2020	88.0	-2.0	No change	No progress			88.0	36.4	Same
	Non-Hispanic, Asian	2005	85.4	2020	91.6	-4.3	Improving	8 years			91.6	-4.5	Same
	Non-Hispanic, NHPI	2005	85.2	2020	85.9	-0.2	No change	No progress			85.9	60.2	Same
	Non-Hispanic, Black	2005	78.0	2020	87.4	-3.5	Improving	15 years			87.4	43.2	Worse
	Non-Hispanic, other	2005	77.9	2020	82.4	-2.9	Improving	More than 20 years			82.4	100.0	Worse
Income	400% of PL or more	2005	85.8	2020	90.9	-4.4	Improving	11 years	======	======	======	======	======
	Less than 100% of PL	2005	75.8	2020	82.0	-3.3	Improving	More than 20 years	400% of PL or more	90.9	82.0	97.8	Worse
	100%-199% of PL	2005	84.1	2020	89.7	-2.6	Improving	19 years			89.7	13.2	Same
	200%-399% of PL	2005	84.9	2020	91.6	-3.9	Improving	10 years			91.6	-7.7	Same

Measure Category: 4. Effectiveness of Care, Subcategory: 1. Cancer

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
Health insurance	Private	2005	85.0	2020	92.6	-4.7	Improving	6 years	======	======	======	======	======
	Public only	2005	79.9	2020	85.6	-2.2	Improving	More than 20 years	Private	92.6	85.6	94.6	Worse
	Uninsured/other	2005	84.1	2020	91.0	-3.1	Improving	13 years			91.0	21.6	Worse
Metropolitan status	Large metropolitan	2005	82.3	2020	89.9	-3.9	Improving	12 years	======	======	======	======	======
	Metropolitan	2005	84.1	2020	90.1	-3.2	Improving	15 years	Large metropolitan	89.9	90.1	-2.0	Same
	Small metro	2005	87.4	2020	90.5	-1.5	No change	No progress			90.5	-5.9	Same
	Micropolitan	2005	86.4	2020	89.9	-1.7	No change	No progress			89.9	0.0	Same
	Noncore	2005	86.8	2020	90.8	-1.3	Improving	No progress			90.8	-8.9	Same
	Noncore, adjacent	2005	86.6	2020	90.4	-1.3	Improving	No progress			90.4	-5.0	Same
	Noncore, rural	2005	87.5	2020	92.4	-1.0	No change	No progress			92.4	-24.8	Same
Age	40-49	2005	83.1	2020	91.6	-4.6	Improving	8 years	======	======	======	======	======
	Under 40	2005	80.7	2020	89.3	-3.5	Improving	12 years	40-49	91.6	89.3	27.4	Worse
	50-59	2005	85.0	2020	91.6	-3.7	Improving	10 years			91.6	0.0	Same
	60-69	2005	84.6	2020	88.6	-1.8	Improving	More than 20 years			88.6	35.7	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Measure Category: 4. Effectiveness of Care, Subcategory: 1. Cancer

Appendix Table 4.1.3. Breast cancer deaths per 100,000 female population per year

Source: NVSS_M

Benchmark: 17.8 in 2015

Data year for disparities analysis: 2021

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

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	26.8	2021	19.4	-1.6	Improving	4 years	======	======	======	======	======
Race	White	2018	19.3	2021	19.2	-0.3	No change	No progress	======	======	======	======	======
	AI/AN	2018	10.7	2021	10.5	-2.2	No change	No progress	White	19.2	10.5	-45.3	Better
	Asian	2018	11.7	2021	11.5	-0.7	No change	No progress			11.5	-40.1	Better
	NHPI	2018	23.6	2021	26.4	3.7	No change	No progress			26.4	37.5	Worse
	Black	2018	27.2	2021	25.5	-2.4	Improving	No progress			25.5	32.8	Worse
	Multiple races	2020	8.8	2021	8.8	------	------	------			8.8	-54.2	Better
Ethnicity	Non-Hispanic, White	2018	19.9	2021	19.8	-0.2	No change	No progress	======	======	======	======	======
	Hispanic, all races	2018	13.4	2021	13.6	-0.1	No change	No progress	Non-Hispanic, White	19.8	13.6	-31.3	Better
	Non-Hispanic, all races	2018	20.5	2021	20.1	-0.7	No change	No progress			20.1	1.5	Same
	Non-Hispanic, AI/AN	2020	14.0	2021	14.3	------	------	------			14.3	-27.8	Better
	Non-Hispanic, Asian	2020	11.0	2021	11.5	------	------	------			11.5	-41.9	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
	Non-Hispanic, NHPI	2020	23.3	2021	30.8	------	------	------			30.8	55.6	Worse
	Non-Hispanic, Black	2018	28.0	2021	26.3	-2.4	Improving	No progress			26.3	32.8	Worse
	Non-Hispanic, multiple races	2020	9.4	2021	9.8	------	------	------			9.8	-50.5	Better
Metropolitan status	Large fringe metro	2013	20.8	2021	19.0	-1.2	Improving	5 years	======	======	======	======	======
	Metropolitan	2013	20.8	2021	19.2	-1.1	Improving	7 years	Large fringe metro	19.0	19.2	1.1	Same
	Large central metro	2013	21.5	2021	18.9	-1.6	Improving	3 years			18.9	-0.5	Same
	Medium metro	2013	20.0	2021	19.6	-0.5	No change	18 years			19.6	3.2	Same
	Small metro	2013	20.2	2021	19.6	-0.6	No change	16 years			19.6	3.2	Same
	Micropolitan	2013	21.1	2021	20.5	-0.6	No change	No progress			20.5	7.9	Same
	Noncore	2013	21.3	2021	21.0	-0.5	No change	No progress			21.0	10.5	Worse
Age	18-44	2000	5.9	2021	3.8	-3.0	Improving	Reached	======	======	======	======	======
	45-64	2000	43.5	2021	29.7	-1.7	Improving	19 years	18-44	3.8	29.7	681.6	Worse
	65 and over	2000	120.2	2021	89.9	-1.5	Improving	More than 20 years			89.9	2265.8	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.1.4. 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: NCDB

Benchmark: 95.5 in 2015

Data year for disparities analysis: 2020

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

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	2005	67.2	2020	82.9	-5.4	Improving	10 years	======	======	======	======	======
Race	AI/AN	2012	82.9	2018	84.4	-3.8	No change	No progress	------	------	------	------	------
	NHPI	2017	73.3	2017	73.3	------	------	------			------	------	------
	White	2005	68.5	2020	85.3	-6.0	Improving	8 years	======	======	======	======	======
	Asian	2005	76.5	2020	86.0	-4.4	Improving	10 years	White	85.3	86.0	-4.8	Same
	Black	2005	61.2	2020	77.0	-4.7	Improving	14 years			77.0	56.5	Worse
Ethnicity	Non-Hispanic, AI/AN	2012	82.9	2018	84.4	-3.8	No change	No progress	------	------	------	------	------
	Non-Hispanic, NHPI	2017	73.3	2017	73.3	------	------	------			------	------	------
	Non-Hispanic, other	2006	60.0	2019	81.0	-4.4	Improving	12 years			------	------	------
	Non-Hispanic, White	2005	68.5	2020	85.3	-6.0	Improving	8 years	======	======	======	======	======
	Hispanic, all races	2005	57.5	2020	78.0	-5.5	Improving	10 years	Non-Hispanic, White	85.3	78.0	49.7	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
	Non-Hispanic, Asian	2005	76.5	2020	86.0	-4.4	Improving	10 years			86.0	-4.8	Same
	Non-Hispanic, Black	2005	61.2	2020	77.0	-4.7	Improving	14 years			77.0	56.5	Worse
Income	400% of PL or more	2005	71.7	2020	88.6	-6.9	Improving	5 years	======	======	======	======	======
	Less than 100% of PL	2005	60.0	2020	70.0	-3.2	Improving	More than 20 years	400% of PL or more	88.6	70.0	163.2	Worse
	100%-199% of PL	2005	66.9	2020	82.7	-5.2	Improving	10 years			82.7	51.8	Same
	200%-399% of PL	2005	68.8	2020	83.5	-5.7	Improving	10 years			83.5	44.7	Same
Health insurance	Private	2005	71.9	2020	85.5	-5.2	Improving	10 years	======	======	======	======	======
	Public only	2005	65.0	2020	77.5	-3.8	Improving	18 years	Private	85.5	77.5	55.2	Worse
	Uninsured/other	2005	69.9	2020	80.2	-4.4	Improving	14 years			80.2	36.6	Same
Metropolitan status	Large metropolitan	2005	65.0	2020	82.4	-5.5	Improving	10 years	======	======	======	======	======
	Metropolitan	2005	67.1	2020	82.5	-5.4	Improving	10 years	Large metropolitan	82.4	82.5	-0.6	Same
	Small metro	2005	70.7	2020	82.5	-5.1	Improving	12 years			82.5	-0.6	Same
	Micropolitan	2005	71.6	2020	88.0	-5.7	Improving	7 years			88.0	-31.8	Better
	Noncore	2005	66.2	2020	85.5	-5.6	Improving	8 years			85.5	-17.6	Same
	Noncore, adjacent	2005	66.5	2020	85.9	-5.5	Improving	8 years			85.9	-19.9	Same
	Noncore, rural	2005	65.3	2020	83.8	-6.2	Improving	9 years			83.8	-8.0	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	40-49	2005	71.0	2020	82.1	-4.7	Improving	13 years	======	======	======	======	======
	Under 40	2005	68.8	2020	83.3	-5.2	Improving	11 years	40-49	82.1	83.3	-6.7	Same
	50-59	2005	70.3	2020	82.1	-4.7	Improving	13 years			82.1	0.0	Same
	60-69	2005	67.3	2020	86.1	-5.4	Improving	8 years			86.1	-22.3	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.1.5. 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: NCDB

Benchmark: 93.0 in 2015

Data year for disparities analysis: 2020

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

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	2005	68.2	2020	86.1	-5.3	Improving	6 years	======	======	======	======	======
Race	White	2005	70.5	2020	87.3	-5.3	Improving	6 years	======	======	======	======	======
	AI/AN	2005	62.1	2020	78.3	-4.6	Improving	13 years	White	87.3	78.3	70.9	Worse
	Asian	2005	65.4	2020	87.8	-6.4	Improving	4 years			87.8	-3.9	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
	NHPI	2005	66.3	2020	79.0	-3.4	Improving	17 years			79.0	65.4	Worse
	Black	2005	59.8	2020	81.7	-5.0	Improving	9 years			81.7	44.1	Worse
Ethnicity	Non-Hispanic, White	2005	70.5	2020	87.3	-5.3	Improving	6 years	======	======	======	======	======
	Hispanic, all races	2005	53.8	2020	82.1	-6.1	Improving	6 years	Non-Hispanic, White	87.3	82.1	40.9	Worse
	Non-Hispanic, AI/AN	2005	62.1	2020	78.3	-4.6	Improving	13 years			78.3	70.9	Worse
	Non-Hispanic, Asian	2005	65.4	2020	87.8	-6.4	Improving	4 years			87.8	-3.9	Same
	Non-Hispanic, NHPI	2005	66.3	2020	79.0	-3.4	Improving	17 years			79.0	65.4	Worse
	Non-Hispanic, Black	2005	59.8	2020	81.7	-5.0	Improving	9 years			81.7	44.1	Worse
	Non-Hispanic, other	2005	60.7	2020	75.6	-4.9	Improving	13 years			75.6	92.1	Worse
Income	400% of PL or more	2005	65.7	2020	88.8	-8.0	Improving	3 years	======	======	======	======	======
	Less than 100% of PL	2005	61.5	2020	79.1	-5.1	Improving	11 years	400% of PL or more	88.8	79.1	86.6	Worse
	100%-199% of PL	2005	68.9	2020	85.6	-4.8	Improving	8 years			85.6	28.6	Worse
	200%-399% of PL	2005	67.6	2020	87.7	-6.1	Improving	4 years			87.7	9.8	Same
Health insurance	Private	2005	69.1	2020	87.7	-5.8	Improving	5 years	======	======	======	======	======
	Public only	2005	63.5	2020	80.6	-3.8	Improving	13 years	Private	87.7	80.6	57.7	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
	Uninsured/other	2005	68.6	2020	83.5	-4.1	Improving	11 years			83.5	34.1	Worse
Metropolitan status	Large metropolitan	2005	64.5	2020	85.9	-5.8	Improving	6 years	======	======	======	======	======
	Metropolitan	2005	67.4	2020	86.2	-5.4	Improving	6 years	Large metropolitan	85.9	86.2	-2.1	Same
	Small metro	2005	72.4	2020	86.8	-4.5	Improving	7 years			86.8	-6.4	Same
	Micropolitan	2005	75.0	2020	86.0	-3.9	Improving	10 years			86.0	-0.7	Same
	Noncore	2005	73.6	2020	86.2	-4.3	Improving	9 years			86.2	-2.1	Same
	Noncore, adjacent	2005	73.4	2020	86.1	-4.1	Improving	9 years			86.1	-1.4	Same
	Noncore, rural	2005	74.4	2020	86.3	-4.6	Improving	9 years			86.3	-2.8	Same
Age	40-49	2005	66.3	2020	85.2	-5.1	Improving	7 years	======	======	======	======	======
	Under 40	2005	63.3	2020	81.4	-4.1	Improving	11 years	40-49	85.2	81.4	25.7	Worse
	50-59	2005	69.3	2020	86.4	-5.2	Improving	7 years			86.4	-8.1	Same
	60-69	2005	71.4	2020	87.7	-5.5	Improving	5 years			87.7	-16.9	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.1.6. 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: NCDB

Benchmark: 99.3 in 2015

Data year for disparities analysis: 2020

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

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	2005	76.2	2020	91.9	-6.8	Improving	7 years	======	======	======	======	======
Race	AI/AN	2005	88.2	2019	89.7	-2.8	No change	No progress	------	------	------	------	------
	NHPI	2016	90.0	2019	97.0	------	------	------			------	------	------
	White	2005	78.5	2020	93.6	-7.4	Improving	6 years	======	======	======	======	======
	Asian	2005	67.4	2020	90.1	-8.8	Improving	5 years	White	93.6	90.1	54.7	Same
	Black	2005	73.4	2020	90.5	-6.4	Improving	8 years			90.5	48.4	Worse
Ethnicity	Non-Hispanic, AI/AN	2005	88.2	2019	89.7	-2.8	No change	No progress	------	------	------	------	------
	Non-Hispanic, NHPI	2016	90.0	2019	97.0	------	------	------			------	------	------
	Non-Hispanic, White	2005	78.5	2020	93.6	-7.4	Improving	6 years	======	======	======	======	======
	Hispanic, all races	2005	62.2	2020	87.1	-7.1	Improving	7 years	Non-Hispanic, White	93.6	87.1	101.6	Worse
	Non-Hispanic, Asian	2005	67.4	2020	90.1	-8.8	Improving	5 years			90.1	54.7	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
	Non-Hispanic, Black	2005	73.4	2020	90.5	-6.4	Improving	8 years			90.5	48.4	Worse
	Non-Hispanic, other	2005	79.2	2020	82.7	-5.1	Improving	17 years			82.7	170.3	Worse
Income	400% of PL or more	2005	69.6	2020	92.2	-8.2	Improving	6 years	======	======	======	======	======
	Less than 100% of PL	2005	72.9	2020	86.2	-5.5	Improving	13 years	400% of PL or more	92.2	86.2	76.9	Same
	100%-199% of PL	2005	76.8	2020	91.7	-6.4	Improving	8 years			91.7	6.4	Same
	200%-399% of PL	2005	76.3	2020	92.9	-7.7	Improving	6 years			92.9	-9.0	Same
Health insurance	Private	2005	77.0	2020	93.6	-8.0	Improving	5 years	======	======	======	======	======
	Public only	2005	74.4	2020	89.4	-5.5	Improving	10 years	Private	93.6	89.4	65.6	Worse
	Uninsured/other	2005	77.5	2020	91.6	-6.2	Improving	8 years			91.6	31.3	Same
Metropolitan status	Large metropolitan	2005	73.1	2020	91.7	-7.3	Improving	6 years	======	======	======	======	======
	Metropolitan	2005	75.4	2020	91.8	-6.9	Improving	7 years	Large metropolitan	91.7	91.8	-1.2	Same
	Small metro	2005	79.5	2020	91.9	-6.1	Improving	9 years			91.9	-2.4	Same
	Micropolitan	2005	82.5	2020	91.0	-4.9	Improving	14 years			91.0	8.4	Same
	Noncore	2005	82.1	2020	94.1	-6.6	Improving	7 years			94.1	-28.9	Same
	Noncore, adjacent	2005	81.2	2020	93.0	-6.4	Improving	8 years			93.0	-15.7	Same
	Noncore, rural	2005	84.7	2020	98.3	-8.8	Improving	1 years			98.3	-79.5	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	40-49	2005	77.5	2020	93.0	-7.5	Improving	6 years	======	======	======	======	======
	Under 40	2005	79.6	2020	96.0	-9.0	Improving	3 years	40-49	93.0	96.0	-42.9	Better
	50-59	2005	76.3	2020	91.2	-6.6	Improving	8 years			91.2	25.7	Same
	60-69	2005	72.6	2020	90.0	-6.3	Improving	9 years			90.0	42.9	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.1.7. Radiation therapy completed within 60 days of initiation of radiation among women diagnosed with any stage of cervical cancer

Source: NCDB

Benchmark: 90.0 in 2015

Data year for disparities analysis: 2020

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

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	2005	74.9	2020	80.7	-2.0	Improving	20 years	======	======	======	======	======
Race	White	2005	76.3	2020	82.3	-2.0	Improving	18 years	======	======	======	======	======
	Asian	2005	79.3	2020	75.0	-1.6	No change	No progress	White	82.3	75.0	41.2	Same
	Black	2005	71.4	2020	75.4	-1.3	Improving	More than 20 years			75.4	39.0	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
Ethnicity	Non-Hispanic, other	2017	87.2	2019	85.7	------	------	------	------	------	------	------	------
	Non-Hispanic, White	2005	76.3	2020	82.3	-2.0	Improving	18 years	======	======	======	======	======
	Hispanic, all races	2005	71.2	2020	79.4	-2.6	Improving	17 years	Non-Hispanic, White	82.3	79.4	16.4	Same
	Non-Hispanic, Asian	2005	79.3	2020	75.0	-1.6	No change	No progress			75.0	41.2	Same
	Non-Hispanic, Black	2005	71.4	2020	75.4	-1.3	Improving	More than 20 years			75.4	39.0	Worse
Income	Less than 100% of PL	2005	77.3	2019	68.9	-0.3	No change	No progress	------	------	------	------	------
	100%-199% of PL	2005	74.4	2020	78.9	-1.7	Improving	More than 20 years			------	------	------
	200%-399% of PL	2005	74.4	2020	87.1	-3.5	Improving	4 years			------	------	------
	400% of PL or more	2005	81.8	2019	87.5	-5.4	No change	No progress	======	======	======	======	======
Health insurance	Private	2005	76.5	2020	85.2	-3.2	Improving	8 years	======	======	======	======	======
	Public only	2005	71.5	2020	75.1	-1.5	Improving	More than 20 years	Private	85.2	75.1	68.2	Worse
	Uninsured/other	2005	76.8	2020	81.4	-1.1	Improving	No progress			81.4	25.7	Same
Metropolitan status	Noncore, rural	2005	66.7	2019	89.3	-5.9	Improving	1 years	------	------	------	------	------
	Large metropolitan	2005	73.2	2020	83.3	-2.9	Improving	10 years	======	======	======	======	======

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	2005	74.2	2020	81.3	-2.3	Improving	17 years	Large metropolitan	83.3	81.3	12.0	Same
	Small metro	2005	76.2	2020	77.3	-1.1	Improving	More than 20 years			77.3	35.9	Worse
	Micropolitan	2005	74.8	2020	82.1	-1.5	No change	No progress			82.1	7.2	Same
	Noncore	2005	78.2	2020	71.6	-0.4	No change	No progress			71.6	70.1	Worse
	Noncore, adjacent	2005	80.4	2020	70.4	0.7	No change	No progress			70.4	77.2	Worse
Age	40-49	2005	75.6	2020	82.9	-2.3	Improving	14 years	======	======	======	======	======
	Under 40	2005	75.9	2020	78.6	-1.6	Improving	More than 20 years	40-49	82.9	78.6	25.1	Same
	50-59	2005	73.8	2020	80.2	-2.1	Improving	20 years			80.2	15.8	Same
	60-69	2005	72.0	2020	83.2	-2.5	Improving	12 years			83.2	-1.8	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.1.8. Use of brachytherapy in patients treated with primary radiation with curative intent in any stage of cervical cancer

Source: NCDB

Benchmark: 82.2 in 2015

Data year for disparities analysis: 2020

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

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	2005	56.7	2020	54.1	-0.2	No change	No progress	======	======	======	======	======
Race	White	2005	60.2	2020	55.5	0.2	No change	No progress	======	======	======	======	======
	Asian	2005	58.9	2020	69.6	-1.3	No change	No progress	White	55.5	69.6	-31.7	Better
	Black	2005	54.8	2020	47.6	-0.1	No change	No progress			47.6	17.8	Worse
Ethnicity	Non-Hispanic, other	2017	63.6	2019	62.5	------	------	------	------	------	------	------	------
	Non-Hispanic, White	2005	60.2	2020	55.5	0.2	No change	No progress	======	======	======	======	======
	Hispanic, all races	2005	49.8	2020	53.5	-1.4	No change	No progress	Non-Hispanic, White	55.5	53.5	4.5	Same
	Non-Hispanic, Asian	2005	58.9	2020	69.6	-1.3	No change	No progress			69.6	-31.7	Better
	Non-Hispanic, Black	2005	54.8	2020	47.6	-0.1	No change	No progress			47.6	17.8	Worse
Income	Less than 100% of PL	2005	70.1	2019	43.0	0.5	No change	No progress	------	------	------	------	------
	100%-199% of PL	2005	55.2	2020	54.5	-0.3	No change	No progress			------	------	------
	200%-399% of PL	2005	62.7	2020	50.4	0.5	No change	No progress			------	------	------

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
	400% of PL or more	2006	56.7	2019	64.1	-4.2	Improving	12 years	======	======	======	======	======
Health insurance	Private	2005	66.4	2020	58.4	0.4	No change	No progress	======	======	======	======	======
	Public only	2005	55.2	2020	51.6	0.0	No change	No progress	Private	58.4	51.6	16.3	Worse
	Uninsured/other	2005	54.6	2020	56.5	-0.8	No change	No progress			56.5	4.6	Same
Metropolitan status	Noncore, rural	2005	74.4	2019	48.1	2.0	No change	No progress	------	------	------	------	------
	Large metropolitan	2005	55.2	2020	51.2	-0.3	No change	No progress	======	======	======	======	======
	Metropolitan	2005	55.8	2020	52.8	-0.2	No change	No progress	Large metropolitan	51.2	52.8	-3.3	Same
	Small metro	2005	56.8	2020	55.9	-0.2	No change	No progress			55.9	-9.6	Same
	Micropolitan	2005	55.3	2020	63.9	-0.6	No change	No progress			63.9	-26.0	Better
	Noncore	2005	60.6	2020	53.0	0.4	No change	No progress			53.0	-3.7	Same
	Noncore, adjacent	2005	57.5	2020	54.1	-0.1	No change	No progress			54.1	-5.9	Same
Age	40-49	2005	60.1	2020	55.0	-0.2	No change	No progress	======	======	======	======	======
	Under 40	2005	58.1	2020	55.8	-0.2	No change	No progress	40-49	55.0	55.8	-1.8	Same
	50-59	2005	56.4	2020	57.2	-0.4	No change	No progress			57.2	-4.9	Same
	60-69	2005	60.8	2020	51.9	0.5	No change	No progress			51.9	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.1.9. Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined

Source: NCDB

Benchmark: 95.0 in 2015

Data year for disparities analysis: 2020

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

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	2004	55.2	2020	94.3	-12.1	Improving	0 years	======	======	======	======	======
Race	NHPI	2004	82.1	2019	96.2	-8.3	Improving	Reached	------	------	------	------	------
	White	2004	55.0	2020	94.4	-12.2	Improving	0 years	======	======	======	======	======
	AI/AN	2004	41.3	2020	89.1	-10.5	Improving	3 years	White	94.4	89.1	94.6	Same
	Asian	2004	59.3	2020	94.9	-13.0	Improving	0 years			94.9	-8.9	Same
	Black	2004	54.8	2020	93.0	-11.4	Improving	1 years			93.0	25.0	Worse
Ethnicity	Non-Hispanic, NHPI	2004	82.1	2019	96.2	-8.3	Improving	Reached	------	------	------	------	------
	Non-Hispanic, White	2004	55.0	2020	94.4	-12.2	Improving	0 years	======	======	======	======	======
	Hispanic, all races	2004	57.2	2020	95.9	-12.1	Improving	Reached	Non-Hispanic, White	94.4	95.9	-26.8	Better
	Non-Hispanic, AI/AN	2004	41.3	2020	89.1	-10.5	Improving	3 years			89.1	94.6	Same
	Non-Hispanic, Asian	2004	59.3	2020	94.9	-13.0	Improving	0 years			94.9	-8.9	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
	Non-Hispanic, Black	2004	54.8	2020	93.0	-11.4	Improving	1 years			93.0	25.0	Worse
	Non-Hispanic, other	2004	71.3	2020	91.0	-11.1	Improving	2 years			91.0	60.7	Same
Income	400% of PL or more	2004	62.1	2020	95.7	-13.4	Improving	Reached	======	======	======	======	======
	Less than 100% of PL	2004	54.3	2020	92.4	-10.7	Improving	1 years	400% of PL or more	95.7	92.4	76.7	Same
	100%-199% of PL	2004	54.1	2020	93.9	-11.8	Improving	1 years			93.9	41.9	Same
	200%-399% of PL	2004	58.6	2020	95.5	-13.0	Improving	Reached			95.5	4.7	Same
Health insurance	Private	2004	60.8	2020	95.3	-12.5	Improving	Reached	======	======	======	======	======
	Public only	2004	57.7	2020	94.7	-11.6	Improving	0 years	Private	95.3	94.7	12.8	Same
	Uninsured/other	2004	60.0	2020	95.4	-11.9	Improving	Reached			95.4	-2.1	Same
Metropolitan status	Large metropolitan	2004	57.2	2020	95.1	-12.7	Improving	Reached	======	======	======	======	======
	Metropolitan	2004	56.1	2020	94.6	-12.3	Improving	0 years	Large metropolitan	95.1	94.6	10.2	Same
	Small metro	2004	54.3	2020	93.8	-11.7	Improving	1 years			93.8	26.5	Worse
	Micropolitan	2004	47.4	2020	92.8	-11.8	Improving	1 years			92.8	46.9	Worse
	Noncore	2004	53.3	2020	91.9	-10.6	Improving	1 years			91.9	65.3	Worse
	Noncore, adjacent	2004	53.1	2020	91.6	-10.5	Improving	2 years			91.6	71.4	Worse
	Noncore, rural	2004	53.8	2020	93.4	-11.3	Improving	1 years			93.4	34.7	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	40-49	2004	67.1	2020	96.4	-13.2	Improving	Reached	======	======	======	======	======
	Under 40	2004	74.0	2020	97.2	-12.8	Improving	Reached	40-49	96.4	97.2	-22.2	Same
	50-59	2004	57.6	2020	94.7	-11.8	Improving	0 years			94.7	47.2	Worse
	60-69	2004	55.2	2020	93.9	-11.7	Improving	1 years			93.9	69.4	Worse
	70-79	2004	53.8	2020	94.0	-12.1	Improving	0 years			94.0	66.7	Worse
	80 and over	2004	52.1	2020	93.8	-12.2	Improving	1 years			93.8	72.2	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.1.10. Colorectal cancer deaths per 100,000 population per year

Source: NVSS_M

Benchmark: 11.5 in 2015

Data year for disparities analysis: 2021

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

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	20.8	2021	13.4	-2.2	Improving	5 years	======	======	======	======	======
Race	White	2018	13.3	2021	13.4	0.1	No change	No progress	======	======	======	======	======
	AI/AN	2018	10.4	2021	9.7	-1.1	No change	No progress	White	13.4	9.7	-27.6	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
	Asian	2018	8.8	2021	9.4	1.9	No change	No progress			9.4	-29.9	Better
	NHPI	2018	8.7	2021	12.0	10.8	Worsening	No progress			12.0	-10.4	Same
	Black	2018	17.4	2021	16.8	-1.2	Improving	No progress			16.8	25.4	Worse
	Multiple races	2020	5.6	2021	6.0	------	------	------			6.0	-55.2	Better
Ethnicity	Non-Hispanic, White	2018	13.5	2021	13.6	0.1	No change	No progress	======	======	======	======	======
	Hispanic, all races	2018	10.9	2021	10.9	0.0	No change	No progress	Non-Hispanic, White	13.6	10.9	-19.9	Better
	Non-Hispanic, all races	2018	13.7	2021	13.7	-0.1	No change	No progress			13.7	0.7	Same
	Non-Hispanic, AI/AN	2020	13.3	2021	13.1	------	------	------			13.1	-3.7	Same
	Non-Hispanic, Asian	2020	8.9	2021	9.5	------	------	------			9.5	-30.1	Better
	Non-Hispanic, NHPI	2020	11.0	2021	14.6	------	------	------			14.6	7.4	Same
	Non-Hispanic, Black	2018	17.8	2021	17.3	-1.0	No change	No progress			17.3	27.2	Worse
	Non-Hispanic, multiple races	2020	6.0	2021	6.5	------	------	------			6.5	-52.2	Better
Metropolitan status	Large fringe metro	2013	13.7	2021	12.4	-1.5	Improving	4 years	======	======	======	======	======
	Metropolitan	2013	14.3	2021	12.9	-1.6	Improving	6 years	Large fringe metro	12.4	12.9	4.0	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
	Large central metro	2013	14.6	2021	12.8	-2.0	Improving	5 years			12.8	3.2	Same
	Medium metro	2013	14.4	2021	13.1	-1.2	Improving	9 years			13.1	5.6	Same
	Small metro	2013	15.0	2021	14.0	-1.3	Improving	13 years			14.0	12.9	Worse
	Micropolitan	2013	16.6	2021	15.9	-0.8	No change	No progress			15.9	28.2	Worse
	Noncore	2013	16.9	2021	16.9	-0.4	No change	No progress			16.9	36.3	Worse
Age	18-44	2000	1.5	2021	1.7	0.4	No change	Reached, getting worse	======	======	======	======	======
	45-64	2000	19.5	2021	18.4	-0.1	No change	No progress	18-44	1.7	18.4	982.4	Worse
	65 and over	2000	124.9	2021	66.1	-3.2	Improving	18 years			66.1	3788.2	Worse
Gender	Male	2000	25.1	2021	15.7	-2.3	Improving	9 years	======	======	======	======	======
	Female	2000	17.7	2021	11.4	-2.3	Improving	Reached	Male	15.7	11.4	-27.4	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.1.11. 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: NCDB

Benchmark: 97.3 in 2015

Data year for disparities analysis: 2020

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

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	2005	84.8	2020	87.3	-1.9	Improving	No progress	======	======	======	======	======
Race	AI/AN	2008	83.8	2019	89.1	-2.8	No change	No progress	------	------	------	------	------
	NHPI	2018	92.1	2018	92.1	------	------	------			------	------	------
	White	2005	85.9	2020	88.5	-2.3	Improving	More than 20 years	======	======	======	======	======
	Asian	2005	82.1	2020	90.0	-2.8	Improving	20 years	White	88.5	90.0	-13.0	Same
	Black	2005	81.4	2020	83.6	-1.6	Improving	No progress			83.6	42.6	Worse
Ethnicity	Non-Hispanic, AI/AN	2008	83.8	2019	89.1	-2.8	No change	No progress	------	------	------	------	------
	Non-Hispanic, NHPI	2018	92.1	2018	92.1	------	------	------			------	------	------
	Non-Hispanic, White	2005	85.9	2020	88.5	-2.3	Improving	More than 20 years	======	======	======	======	======
	Hispanic, all races	2005	77.5	2020	84.5	-2.6	Improving	More than 20 years	Non-Hispanic, White	88.5	84.5	34.8	Same
	Non-Hispanic, Asian	2005	82.1	2020	90.0	-2.8	Improving	20 years			90.0	-13.0	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
	Non-Hispanic, Black	2005	81.4	2020	83.6	-1.6	Improving	No progress			83.6	42.6	Worse
	Non-Hispanic, other	2005	80.6	2020	76.3	0.3	No change	No progress			76.3	106.1	Same
Income	400% of PL or more	2005	87.5	2020	83.3	-1.8	No change	No progress	======	======	======	======	======
	Less than 100% of PL	2005	74.2	2020	92.1	-4.1	Improving	8 years	400% of PL or more	83.3	92.1	-52.7	Same
	100%-199% of PL	2005	84.5	2020	87.3	-1.9	Improving	No progress			87.3	-24.0	Same
	200%-399% of PL	2005	86.8	2020	87.4	-1.8	No change	No progress			87.4	-24.6	Same
Health insurance	Private	2005	88.9	2020	92.4	-2.7	Improving	More than 20 years	======	======	======	======	======
	Public only	2005	80.8	2020	85.9	-1.7	Improving	No progress	Private	92.4	85.9	85.5	Worse
	Uninsured/other	2005	87.2	2020	85.3	-0.4	No change	No progress			85.3	93.4	Worse
Metropolitan status	Large metropolitan	2005	83.2	2020	84.6	-1.8	No change	No progress	======	======	======	======	======
	Metropolitan	2005	84.5	2020	86.9	-1.9	No change	No progress	Large metropolitan	84.6	86.9	-14.9	Better
	Small metro	2005	86.5	2020	90.8	-2.2	Improving	No progress			90.8	-40.3	Better
	Micropolitan	2005	88.3	2020	89.3	-1.2	No change	No progress			89.3	-30.5	Better
	Noncore	2005	87.0	2020	91.2	-2.2	Improving	No progress			91.2	-42.9	Better
	Noncore, adjacent	2005	86.2	2020	92.2	-2.4	Improving	No progress			92.2	-49.4	Better
	Noncore, rural	2005	90.0	2020	86.0	-2.5	No change	No progress			86.0	-9.1	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	40-49	2005	88.0	2020	92.7	-3.8	Improving	14 years	======	======	======	======	======
	Under 40	2005	87.1	2020	93.0	-3.2	Improving	14 years	40-49	92.7	93.0	-4.1	Same
	50-59	2005	87.1	2020	88.1	-1.3	No change	No progress			88.1	63.0	Worse
	60-69	2005	85.3	2020	88.0	-1.2	No change	No progress			88.0	64.4	Worse
	70-79	2005	81.4	2020	82.4	-2.1	No change	No progress			82.4	141.1	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.1.12. Composite measure: Cancer deaths per 100,000 population per year for all cancers

Source: NVSS_M

Benchmark: 135.1 in 2015

Data year for disparities analysis: 2021

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

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	199.6	2021	146.6	-1.6	Improving	4 years	======	======	======	======	======
Race	White	2018	151.0	2021	149.3	-0.5	No change	No progress	======	======	======	======	======
	AI/AN	2018	96.2	2021	93.9	-0.9	No change	No progress	White	149.3	93.9	-37.1	Better
	Asian	2018	91.1	2021	92.3	0.3	No change	No progress			92.3	-38.2	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
	NHPI	2018	126.2	2021	124.7	-0.3	No change	No progress			124.7	-16.5	Better
	Black	2018	171.2	2021	162.4	-1.8	Improving	9 years			162.4	8.8	Same
	Multiple races	2020	63.1	2021	63.8	------	------	------			63.8	-57.3	Better
Ethnicity	Non-Hispanic, White	2018	155.0	2021	153.7	-0.4	No change	No progress	======	======	======	======	======
	Hispanic, all races	2018	107.4	2021	105.1	-0.8	No change	No progress	Non-Hispanic, White	153.7	105.1	-31.6	Better
	Non-Hispanic, all races	2018	153.3	2021	151.1	-0.6	No change	No progress			151.1	-1.7	Same
	Non-Hispanic, AI/AN	2020	122.1	2021	124.9	------	------	------			124.9	-18.7	Better
	Non-Hispanic, Asian	2020	89.4	2021	92.9	------	------	------			92.9	-39.6	Better
	Non-Hispanic, NHPI	2020	140.8	2021	144.6	------	------	------			144.6	-5.9	Same
	Non-Hispanic, Black	2018	175.9	2021	167.4	-1.7	Improving	11 years			167.4	8.9	Same
	Non-Hispanic, multiple races	2020	65.7	2021	67.3	------	------	------			67.3	-56.2	Better
Metropolitan status	Large fringe metro	2013	157.2	2021	140.8	-1.6	Improving	2 years	======	======	======	======	======
	Metropolitan	2013	159.9	2021	142.5	-1.7	Improving	3 years	Large fringe metro	140.8	142.5	1.2	Same
	Large central metro	2013	157.4	2021	135.0	-2.2	Improving	Reached			135.0	-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
	Medium metro	2013	162.8	2021	148.7	-1.4	Improving	6 years			148.7	5.6	Same
	Small metro	2013	168.6	2021	155.6	-1.2	Improving	10 years			155.6	10.5	Worse
	Micropolitan	2013	177.0	2021	164.8	-1.1	Improving	16 years			164.8	17.0	Worse
	Noncore	2013	178.9	2021	173.2	-0.8	No change	More than 20 years			173.2	23.0	Worse
Age	18-44	2000	19.4	2021	13.3	-2.1	Improving	Reached	======	======	======	======	======
	0-17	2000	2.7	2021	2.0	-1.3	Improving	Reached	18-44	13.3	2.0	-85.0	Better
	45-64	2000	221.2	2021	169.6	-1.1	Improving	17 years			169.6	1175.2	Worse
	65 and over	2000	1121.3	2021	799.2	-1.8	Improving	More than 20 years			799.2	5909.0	Worse
Gender	Male	2000	248.9	2021	172.0	-1.8	Improving	10 years	======	======	======	======	======
	Female	2000	167.6	2021	127.7	-1.4	Improving	Reached	Male	172.0	127.7	-25.8	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.1.13. Lung cancer deaths per 100,000 population per year

Source: NVSS_M

Benchmark: 27.5 in 2015

Data year for disparities analysis: 2021

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

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	56.1	2021	31.7	-2.8	Improving	3 years	======	======	======	======	======
Race	White	2018	35.8	2021	32.8	-3.0	Improving	5 years	======	======	======	======	======
	AI/AN	2018	23.0	2021	19.7	-5.3	Improving	Reached	White	32.8	19.7	-39.9	Better
	Asian	2018	18.5	2021	18.2	-0.8	No change	No progress			18.2	-44.5	Better
	NHPI	2018	23.9	2021	21.4	-3.5	No change	No progress			21.4	-34.8	Better
	Black	2018	36.3	2021	32.4	-4.0	Improving	4 years			32.4	-1.2	Same
	Multiple races	2020	13.3	2021	14.1	------	------	------			14.1	-57.0	Better
Ethnicity	Non-Hispanic, White	2018	38.1	2021	35.1	-2.8	Improving	No progress	======	======	======	======	======
	Hispanic, all races	2018	15.1	2021	14.2	-2.3	Improving	No progress	Non-Hispanic, White	35.1	14.2	-59.5	Better
	Non-Hispanic, all races	2018	36.8	2021	33.7	-3.1	Improving	6 years			33.7	-4.0	Same
	Non-Hispanic, AI/AN	2020	26.5	2021	26.2	------	------	------			26.2	-25.4	Better
	Non-Hispanic, Asian	2020	18.2	2021	18.3	------	------	------			18.3	-47.9	Better
	Non-Hispanic, NHPI	2020	26.7	2021	23.5	------	------	------			23.5	-33.0	Better
	Non-Hispanic, Black	2018	37.4	2021	33.4	-4.0	Improving	4 years			33.4	-4.8	Same
	Non-Hispanic, multiple races	2020	14.6	2021	15.7	------	------	------			15.7	-55.3	Better
Metropolitan status	Large fringe metro	2013	41.2	2021	29.8	-4.2	Improving	2 years	======	======	======	======	======

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	2013	41.6	2021	30.0	-4.3	Improving	2 years	Large fringe metro	29.8	30.0	0.7	Same
	Large central metro	2013	38.5	2021	26.3	-5.1	Improving	Reached			26.3	-11.7	Better
	Medium metro	2013	43.5	2021	32.6	-3.9	Improving	3 years			32.6	9.4	Same
	Small metro	2013	46.9	2021	36.0	-3.5	Improving	6 years			36.0	20.8	Worse
	Micropolitan	2013	50.8	2021	39.2	-3.5	Improving	7 years			39.2	31.5	Worse
	Noncore	2013	51.6	2021	42.7	-2.8	Improving	12 years			42.7	43.3	Worse
Age	18-44	2000	2.7	2021	0.8	-6.5	Improving	Reached	======	======	======	======	======
	45-64	2000	67.2	2021	36.8	-2.7	Improving	7 years	18-44	0.8	36.8	4500.0	Worse
	65 and over	2000	316.9	2021	184.2	-2.7	Improving	More than 20 years			184.2	22925.0	Worse
Gender	Male	2000	76.7	2021	37.4	-3.4	Improving	5 years	======	======	======	======	======
	Female	2000	41.3	2021	27.3	-2.1	Improving	Reached	Male	37.4	27.3	-27.0	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Measure Category: 4. Effectiveness of Care, Subcategory: 2. Cardiovascular Disease

Appendix Table 4.2.1. Adults with hypertension whose blood pressure is under control

Source: NHANES

Benchmark: Not available

Data year for disparities analysis: 2017 - March 2020

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

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	2001-2004	34.4	2017 - March 2020	42.9	-0.9	No change	======	======	======	======	======	======
Race	White	2001-2004	35.4	2017 - March 2020	47.5	-1.3	No change	======	======	======	======	======	======
	Asian	2013-2016	31.1	2017 - March 2020	40.1	------	------	======	White	47.5	40.1	14.1	Same
	Black	2001-2004	32.2	2017 - March 2020	32.4	-0.1	No change	======			32.4	28.8	Worse
Ethnicity	Non-Hispanic, White	2001-2004	35.4	2017 - March 2020	47.5	-1.3	No change	======	======	======	======	======	======

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
	Hispanic, all races	2009-2012	36.4	2017 - March 2020	34.8	------	------	======	Non-Hispanic, White	47.5	34.8	24.2	Worse
	Mexican American	2001-2004	24.0	2017 - March 2020	31.0	-0.7	No change	======			31.0	31.4	Worse
	Non-Hispanic, Asian	2013-2016	31.1	2017 - March 2020	40.1	------	------	======			40.1	14.1	Same
	Non-Hispanic, Black	2001-2004	32.2	2017 - March 2020	32.4	-0.1	No change	======			32.4	28.8	Worse
Income	400% of PL or more	2001-2004	41.2	2017 - March 2020	49.6	-1.1	Improving	======	======	======	======	======	======
	Less than 100% of PL	2001-2004	34.3	2017 - March 2020	34.4	-0.2	No change	======	400% of PL or more	49.6	34.4	30.2	Worse
	100%-199% of PL	2001-2004	32.6	2017 - March 2020	37.1	-0.7	No change	======			37.1	24.8	Worse
	200%-399% of PL	2001-2004	30.0	2017 - March 2020	41.9	-1.0	No change	======			41.9	15.3	Same
Health insurance	Private	2017 - March 2020	44.5	2017 - March 2020	44.5	------	------	======	======	======	======	======	======

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
	Insured	2017 - March 2020	44.8	2017 - March 2020	44.8	------	------	======		Private	44.5	44.8	-0.5	Same
	Public	2017 - March 2020	45.9	2017 - March 2020	45.9	------	------	======				45.9	-2.5	Same
	Uninsured	2017 - March 2020	21.3	2017 - March 2020	21.3	------	------	======				21.3	41.8	Worse
Age	18-39	2001-2004	29.2	2017 - March 2020	33.5	-0.5	No change	======		======	======	======	======	======
	40-59	2001-2004	39.0	2017 - March 2020	48.1	-1.1	No change	======		18-39	33.5	48.1	-22.0	Better
	60 and over	2001-2004	36.9	2017 - March 2020	52.5	-1.7	Improving	======				52.5	-28.6	Better
Gender	Male	2001-2004	32.3	2017 - March 2020	43.4	-1.0	Improving	======		======	======	======	======	======
	Female	2001-2004	40.9	2017 - March 2020	42.7	-0.4	No change	======		Male	43.4	42.7	1.2	Same
Education	At least some college	2001-2004	36.1	2017 - March 2020	47.1	-1.2	No change	======		======	======	======	======	======

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
	Less than high school graduate	2001-2004	31.1	2017 - March 2020	39.2	-1.0	No change	======	At least some college	47.1	39.2	14.9	Same
	High school graduate	2001-2004	35.9	2017 - March 2020	42.3	-0.5	No change	======			42.3	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.2.2. Deaths per 1,000 hospital admissions with acute myocardial infarction, age 18 and over, without transfer cases

Source: HCUP

Benchmark: 46.3 in 2016

Data year for disparities analysis: 2020

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

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	55.7	2020	51.1	-2.2	Improving	No progress	======	======	======	======	======
Race	White	2016	55.8	2020	51.1	-2.3	Improving	No progress	======	======	======	======	======
	API	2016	57.5	2020	49.6	-3.9	Improving	2 years	White	51.1	49.6	-2.9	Same
	Black	2016	53.3	2020	50.2	-1.4	No change	No progress			50.2	-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
Ethnicity	Non-Hispanic, White	2016	55.8	2020	51.1	-2.3	Improving	No progress	======	======	======	======	======
	Hispanic, all races	2016	56.1	2020	51.1	-2.0	Improving	No progress	Non-Hispanic, White	51.1	51.1	0.0	Same
	Non-Hispanic, API	2016	57.5	2020	49.6	-3.9	Improving	2 years			49.6	-2.9	Same
	Non-Hispanic, Black	2016	53.3	2020	50.2	-1.4	No change	No progress			50.2	-1.8	Same
Income	Fourth quartile (highest income)	2016	53.4	2020	48.3	-2.4	Improving	2 years	======	======	======	======	======
	First quartile (lowest income)	2016	58.1	2020	54.0	-1.8	No change	No progress	Fourth quartile (highest income)	48.3	54.0	11.8	Worse
	Second quartile	2016	56.4	2020	51.1	-2.6	Improving	No progress			51.1	5.8	Same
	Third quartile	2016	53.8	2020	49.5	-2.0	Improving	No progress			49.5	2.5	Same
Health insurance	Private insurance	2016	47.9	2020	45.8	-1.4	No change	No progress	======	======	======	======	======
	Medicare, under 65	2016	71.4	2020	67.2	-1.5	No change	No progress	Private insurance	45.8	67.2	46.7	Worse
	Medicaid	2016	55.8	2020	52.4	-2.1	No change	No progress			52.4	14.4	Worse
	Other insurance	2016	66.4	2020	54.7	-5.8	Improving	2 years			54.7	19.4	Worse
	Uninsured/self pay/no charge	2016	64.6	2020	59.7	-1.9	Improving	No progress			59.7	30.3	Worse
Metropolitan status	Large fringe metro	2016	52.8	2020	49.1	-1.8	No change	No progress	======	======	======	======	======

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
	Large central metro	2016	54.7	2020	49.0	-2.6	Improving	2 years	Large fringe metro	49.1	49.0	-0.2	Same
	Medium metro	2016	57.5	2020	52.5	-2.4	Improving	No progress			52.5	6.9	Same
	Small metro	2016	56.7	2020	53.2	-1.9	No change	No progress			53.2	8.4	Same
	Micropolitan	2016	57.4	2020	52.1	-2.2	Improving	No progress			52.1	6.1	Same
	Noncore	2016	59.9	2020	55.6	-1.8	No change	No progress			55.6	13.2	Worse
Age	18-44	2016	25.5	2020	27.2	0.8	No change	No progress	======	======	======	======	======
	65-69	2016	51.8	2020	47.8	-2.0	Improving	No progress	18-44	27.2	47.8	75.7	Worse
	18-64	2016	37.7	2020	37.2	-0.7	No change	No progress			37.2	36.8	Worse
	70-74	2016	60.8	2020	55.6	-2.4	No change	No progress			55.6	104.4	Worse
	75-79	2016	64.0	2020	60.8	-1.3	No change	No progress			60.8	123.5	Worse
	45-64	2016	39.2	2020	38.4	-0.8	No change	No progress			38.4	41.2	Worse
	80-84	2016	69.3	2020	64.7	-1.4	No change	No progress			64.7	137.9	Worse
	65 and over	2016	64.0	2020	58.2	-2.3	Improving	No progress			58.2	114.0	Worse
	85 and over	2016	70.5	2020	62.7	-2.8	Improving	9 years			62.7	130.5	Worse
Gender	Male	2016	55.8	2020	50.7	-2.5	Improving	No progress	======	======	======	======	======
	Female	2016	55.7	2020	51.6	-1.8	Improving	No progress	Male	50.7	51.6	1.8	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.2.3. Median time in minutes from emergency department arrival to receipt of ECG for outpatients with chest pain or possible heart attack

Source: HOQR

Benchmark: 6.2 in 2016

Data year for disparities analysis: 2019

Note: Lower estimates are better for this measure. The measure unit is median time in minutes.

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	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 or reliable for the analysis. Subgroups without valid data in any year are not listed.

====== : Not applicable.

This measure is not a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.2.4. Outpatients with chest pain or possible heart attack who received fibrinolytic therapy within 30 minutes of arrival

Source: HOQR

Benchmark: 79.4 in 2016

Data year for disparities analysis: 2020-2021

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

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	58.0	2020-2021	52.4	2.4	Worsening	No progress	======	======	======	======	======
Race	White	2016	58.8	2020-2021	54.5	1.8	Worsening	No progress	======	======	======	======	======
	AI/AN	2016	53.8	2020-2021	50.9	1.7	No change	No progress	White	54.5	50.9	7.9	Same
	Asian	2016	59.5	2020-2021	48.0	------	------	------			48.0	14.3	Same
	Black	2016	48.1	2020-2021	40.2	3.9	No change	No progress			40.2	31.4	Worse
Ethnicity	Non-Hispanic, all races	2016	58.5	2020-2021	54.1	1.9	Worsening	No progress	======	======	======	======	======
	Hispanic, all races	2016	48.5	2020-2021	47.1	0.9	No change	No progress	Non-Hispanic, all races	54.1	47.1	15.3	Worse
Age	0-64	2016	59.8	2020-2021	53.4	2.6	No change	No progress	======	======	======	======	======
	65-74	2016	58.6	2020-2021	52.5	2.9	Worsening	No progress	0-64	53.4	52.5	1.9	Same
	75-84	2016	48.6	2020-2021	50.5	0.2	No change	No progress			50.5	6.2	Same
	85 and over	2016	53.3	2020-2021	41.5	3.7	Worsening	No progress			41.5	25.5	Worse
Gender	Male	2016	52.7	2020-2021	56.0	-0.5	No change	No progress	======	======	======	======	======
	Female	2016	59.9	2020-2021	47.3	4.2	No change	No progress	Male	56.0	47.3	19.8	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.2.5. 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: HOQR

Benchmark: 41.0 in 2016

Data year for disparities analysis: 2020-2021

Note: Lower estimates are better for this measure. The measure unit is median time in minutes.

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	58.0	2020-2021	62.0	1.4	Worsening	No progress	======	======	======	======	======
Race	NHPI	2018	206.0	2018	206.0	------	------	------	------	------	------	------	------
	White	2016	57.0	2020-2021	60.0	1.1	No change	No progress	======	======	======	======	======
	AI/AN	2016	68.0	2020-2021	66.0	-1.4	No change	No progress	White	60.0	66.0	10.0	------
	Asian	2016	59.0	2020-2021	58.0	-0.8	No change	No progress			58.0	-3.3	------
	Black	2016	72.0	2020-2021	74.0	0.8	No change	No progress			74.0	23.3	------
Ethnicity	Non-Hispanic, all races	2016	58.0	2020-2021	61.0	1.0	No change	No progress	======	======	======	======	======
	Hispanic, all races	2016	69.0	2020-2021	62.0	-1.3	No change	No progress	Non-Hispanic, all races	61.0	62.0	1.6	------
Age	0-64	2016	55.0	2020-2021	59.0	1.3	Worsening	No progress	======	======	======	======	======
	65-74	2016	59.0	2020-2021	63.0	1.6	No change	No progress	0-64	59.0	63.0	6.8	------
	75-84	2016	69.0	2020-2021	69.0	0.2	No change	No progress			69.0	16.9	------
	85 and over	2016	75.0	2020-2021	76.0	0.7	No change	No progress			76.0	28.8	------

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
Gender	Male	2016	56.0	2020-2021	58.0	0.7	No change	No progress	======	======	======	======	======
	Female	2016	66.0	2020-2021	67.0	0.5	No change	No progress	Male	58.0	67.0	15.5	------

------ : 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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.2.6. Hospital admissions for heart failure per 100,000 population, age 18 and over

Source: HCUP

Benchmark: 220.2 in 2016

Data year for disparities analysis: 2020

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

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	384.3	2020	367.0	-0.5	No change	No progress	======	======	======	======	======
Race	White	2016	318.8	2020	305.7	-0.4	No change	No progress	======	======	======	======	======
	API	2016	209.6	2020	178.7	-2.8	No change	No progress	White	305.7	178.7	-41.5	Better
	Black	2016	859.7	2020	836.4	-0.1	No change	No progress			836.4	173.6	Worse
Ethnicity	Non-Hispanic, White	2016	318.8	2020	305.7	-0.4	No change	No progress	======	======	======	======	======

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
	Hispanic, all races	2016	368.5	2020	319.1	-3.0	No change	No progress	Non-Hispanic, White	305.7	319.1	4.4	Same
	Non-Hispanic, API	2016	209.6	2020	178.7	-2.8	No change	No progress			178.7	-41.5	Better
	Non-Hispanic, Black	2016	859.7	2020	836.4	-0.1	No change	No progress			836.4	173.6	Worse
Income	Fourth quartile (highest income)	2016	267.2	2020	243.0	-1.6	No change	No progress	======	======	======	======	======
	First quartile (lowest income)	2016	555.5	2020	547.3	0.1	No change	No progress	Fourth quartile (highest income)	243.0	547.3	125.2	Worse
	Second quartile	2016	391.4	2020	377.6	-0.2	No change	No progress			377.6	55.4	Worse
	Third quartile	2016	334.0	2020	315.3	-0.6	No change	No progress			315.3	29.8	Worse
Metropolitan status	Large fringe metro	2016	371.7	2020	342.1	-1.3	No change	No progress	======	======	======	======	======
	Large central metro	2016	410.5	2020	389.6	-0.7	No change	No progress	Large fringe metro	342.1	389.6	13.9	Worse
	Medium metro	2016	372.5	2020	362.7	0.2	No change	No progress			362.7	6.0	Same
	Small metro	2016	370.4	2020	377.1	0.8	No change	No progress			377.1	10.2	Same
	Micropolitan	2016	376.7	2020	369.5	0.1	No change	No progress			369.5	8.0	Same
	Noncore	2016	387.0	2020	362.5	-1.3	No change	No progress			362.5	6.0	Same
Age	18-44	2016	38.6	2020	44.8	4.2	Worsening	No progress	======	======	======	======	======
	65-69	2016	673.2	2020	629.9	-1.4	No change	No progress	18-44	44.8	629.9	1306.0	Worse
	18-64	2016	148.6	2020	164.6	2.9	No change	No progress			164.6	267.4	Worse
	70-74	2016	977.8	2020	914.9	-1.0	No change	No progress			914.9	1942.2	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
	75-79	2016	1500.6	2020	1391.8	-1.0	No change	No progress			1391.8	3006.7	Worse
	45-64	2016	300.7	2020	334.5	3.0	No change	No progress			334.5	646.7	Worse
	80-84	2016	2318.1	2020	2076.8	-1.8	No change	No progress			2076.8	4535.7	Worse
	65 and over	2016	1479.7	2020	1291.2	-2.6	No change	No progress			1291.2	2782.1	Worse
	85 and over	2016	3877.5	2020	3161.4	-4.1	No change	No progress			3161.4	6956.7	Worse
Gender	Male	2016	453.6	2020	440.2	-0.2	No change	No progress	======	======	======	======	======
	Female	2016	329.0	2020	306.2	-1.1	No change	No progress	Male	440.2	306.2	-30.4	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.2.7. Deaths per 1,000 hospital admissions with heart failure, age 18 and over

Source: HCUP

Benchmark: 22.1 in 2016

Data year for disparities analysis: 2020

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

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	29.2	2020	26.2	-3.4	Improving	4 years	======	======	======	======	======
Race	White	2016	30.4	2020	27.2	-3.4	Improving	5 years	======	======	======	======	======

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
	API	2016	27.5	2020	24.9	-2.5	No change	No progress	White	27.2	24.9	-8.5	Same
	Black	2016	24.8	2020	23.1	-2.3	No change	No progress			23.1	-15.1	Better
Ethnicity	Non-Hispanic, White	2016	30.4	2020	27.2	-3.4	Improving	5 years	======	======	======	======	======
	Hispanic, all races	2016	25.9	2020	23.3	-3.5	Improving	No progress	Non-Hispanic, White	27.2	23.3	-14.3	Better
	Non-Hispanic, API	2016	27.5	2020	24.9	-2.5	No change	No progress			24.9	-8.5	Same
	Non-Hispanic, Black	2016	24.8	2020	23.1	-2.3	No change	No progress			23.1	-15.1	Better
Income	Fourth quartile (highest income)	2016	29.6	2020	25.5	-4.0	Improving	3 years	======	======	======	======	======
	First quartile (lowest income)	2016	29.0	2020	26.3	-3.0	Improving	5 years	Fourth quartile (highest income)	25.5	26.3	3.1	Same
	Second quartile	2016	30.0	2020	26.7	-3.9	Improving	No progress			26.7	4.7	Same
	Third quartile	2016	28.2	2020	25.8	-3.0	Improving	No progress			25.8	1.2	Same
Health insurance	Private insurance	2016	37.3	2020	28.2	-7.3	Improving	2 years	======	======	======	======	======
	Medicare, under 65	2016	32.0	2020	30.5	-1.2	No change	No progress	Private insurance	28.2	30.5	8.2	Same
	Medicaid	2016	26.2	2020	24.3	-2.7	No change	No progress			24.3	-13.8	Better
	Other insurance	2016	62.3	2020	38.3	-12.5	Improving	2 years			38.3	35.8	Worse
	Uninsured/self pay/no charge	2016	29.5	2020	23.9	-6.5	Improving	No progress			23.9	-15.2	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
Metropolitan status	Large fringe metro	2016	27.5	2020	24.6	-3.6	Improving	3 years	======	======	======	======	======
	Large central metro	2016	27.8	2020	23.7	-4.4	Improving	1 years	Large fringe metro	24.6	23.7	-3.7	Same
	Medium metro	2016	29.4	2020	28.0	-2.2	No change	No progress			28.0	13.8	Worse
	Small metro	2016	30.9	2020	27.9	-2.9	Improving	7 years			27.9	13.4	Worse
	Micropolitan	2016	31.4	2020	28.4	-3.2	Improving	No progress			28.4	15.4	Worse
	Noncore	2016	33.7	2020	29.8	-3.8	Improving	6 years			29.8	21.1	Worse
Age	18-44	2016	16.4	2020	15.2	-1.4	No change	No progress	======	======	======	======	======
	65-69	2016	27.7	2020	23.8	-4.3	Improving	2 years	18-44	15.2	23.8	56.6	Worse
	18-64	2016	20.4	2020	19.0	-2.1	No change	No progress			19.0	25.0	Worse
	70-74	2016	29.5	2020	26.9	-2.9	Improving	6 years			26.9	77.0	Worse
	75-79	2016	33.6	2020	29.2	-4.1	Improving	5 years			29.2	92.1	Worse
	45-64	2016	21.1	2020	19.7	-2.1	No change	No progress			19.7	29.6	Worse
	80-84	2016	32.0	2020	29.8	-2.7	Improving	No progress			29.8	96.1	Worse
	65 and over	2016	32.1	2020	28.2	-3.9	Improving	5 years			28.2	85.5	Worse
	85 and over	2016	33.7	2020	28.9	-4.6	Improving	5 years			28.9	90.1	Worse
Gender	Male	2016	31.4	2020	28.1	-3.4	Improving	6 years	======	======	======	======	======
	Female	2016	26.9	2020	24.1	-3.5	Improving	2 years	Male	28.1	24.1	-14.2	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.2.8. Deaths per 1,000 hospital admissions with abdominal aortic aneurysm repair, age 18 and over

Source: HCUP

Benchmark: 24.8 in 2016

Data year for disparities analysis: 2020

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

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	34.4	2020	33.9	-1.3	No change	No progress	======	======	======	======	======
Race	White	2016	34.6	2020	34.2	-1.2	No change	No progress	======	======	======	======	======
	API	2016	38.0	2020	36.1	-6.2	No change	No progress	White	34.2	36.1	5.6	Same
	Black	2016	27.0	2020	26.7	-1.6	No change	No progress			26.7	-21.9	Better
Ethnicity	Non-Hispanic, White	2016	34.6	2020	34.2	-1.2	No change	No progress	======	======	======	======	======
	Hispanic, all races	2016	33.8	2020	39.7	3.9	No change	No progress	Non-Hispanic, White	34.2	39.7	16.1	Same
	Non-Hispanic, API	2016	38.0	2020	36.1	-6.2	No change	No progress			36.1	5.6	Same
	Non-Hispanic, Black	2016	27.0	2020	26.7	-1.6	No change	No progress			26.7	-21.9	Better
Income	Fourth quartile (highest income)	2016	30.5	2020	36.9	4.0	No change	No progress	======	======	======	======	======
	First quartile (lowest income)	2016	36.4	2020	34.9	-2.2	No change	No progress	Fourth quartile (highest income)	36.9	34.9	-5.4	Same
	Second quartile	2016	33.7	2020	30.0	-3.5	No change	No progress			30.0	-18.7	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
	Third quartile	2016	35.9	2020	35.1	-1.4	No change	No progress			35.1	-4.9	Same
Health insurance	Private insurance	2016	29.5	2020	31.7	0.0	No change	No progress	======	======	======	======	======
	Medicare, under 65	2016	39.5	2020	34.1	-4.8	No change	No progress	Private insurance	31.7	34.1	7.6	Same
	Medicaid	2016	35.2	2020	28.0	-5.8	Improving	2 years			28.0	-11.7	Same
	Other insurance	2016	25.8	2020	24.9	-3.3	No change	No progress			24.9	-21.5	Same
	Uninsured/self pay/no charge	2016	52.3	2020	41.4	-4.9	No change	No progress			41.4	30.6	Same
Metropolitan status	Large fringe metro	2016	33.4	2020	35.4	1.2	No change	No progress	======	======	======	======	======
	Large central metro	2016	34.1	2020	34.1	-1.6	No change	No progress	Large fringe metro	35.4	34.1	-3.7	Same
	Medium metro	2016	35.1	2020	34.6	-0.8	No change	No progress			34.6	-2.3	Same
	Small metro	2016	35.9	2020	34.3	-2.9	No change	No progress			34.3	-3.1	Same
	Micropolitan	2016	31.5	2020	30.8	-2.5	No change	No progress			30.8	-13.0	Same
	Noncore	2016	37.6	2020	31.4	-4.4	No change	No progress			31.4	-11.3	Same
Age	65-69	2016	28.6	2020	27.1	-2.3	No change	No progress	------	------	------	------	------
	18-64	2016	24.9	2020	22.8	-2.7	Improving	No progress			------	------	------
	70-74	2016	33.6	2020	34.9	0.0	No change	No progress			------	------	------
	75-79	2016	38.2	2020	38.4	-0.2	No change	No progress			------	------	------
	45-64	2016	24.6	2020	23.4	-1.9	No change	No progress			------	------	------
	80-84	2016	44.5	2020	39.3	-5.6	No change	No progress			------	------	------
	65 and over	2016	37.5	2020	36.8	-1.5	No change	No progress			------	------	------

Measure Category: 4. Effectiveness of Care, Subcategory: 2. Cardiovascular Disease

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
	85 and over	2016	48.1	2020	48.7	-0.1	No change	No progress			------	------	------
Gender	Male	2016	33.3	2020	32.0	-1.9	No change	No progress	======	======	======	======	======
	Female	2016	37.6	2020	39.4	0.1	No change	No progress	Male	32.0	39.4	23.1	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.2.9. Deaths per 1,000 hospital admissions with coronary artery bypass graft, age 40 and over

Source: HCUP

Benchmark: 13.3 in 2016

Data year for disparities analysis: 2020

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

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	24.3	2020	24.2	-1.0	No change	No progress	======	======	======	======	======
Race	White	2016	23.8	2020	23.7	-0.9	No change	No progress	======	======	======	======	======
	API	2016	27.4	2020	26.4	-2.9	No change	No progress	White	23.7	26.4	11.4	Same
	Black	2016	25.2	2020	28.3	1.1	No change	No progress			28.3	19.4	Worse
Ethnicity	Non-Hispanic, White	2016	23.8	2020	23.7	-0.9	No change	No progress	======	======	======	======	======

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
	Hispanic, all races	2016	26.7	2020	23.3	-4.5	Improving	No progress	Non-Hispanic, White	23.7	23.3	-1.7	Same
	Non-Hispanic, API	2016	27.4	2020	26.4	-2.9	No change	No progress			26.4	11.4	Same
	Non-Hispanic, Black	2016	25.2	2020	28.3	1.1	No change	No progress			28.3	19.4	Worse
Income	Fourth quartile (highest income)	2016	19.0	2020	19.2	-0.4	No change	No progress	======	======	======	======	======
	First quartile (lowest income)	2016	25.4	2020	28.1	1.7	No change	No progress	Fourth quartile (highest income)	19.2	28.1	46.4	Worse
	Second quartile	2016	26.5	2020	25.1	-2.0	No change	No progress			25.1	30.7	Worse
	Third quartile	2016	24.8	2020	22.6	-3.7	No change	No progress			22.6	17.7	Worse
Health insurance	Private insurance	2016	21.9	2020	21.0	-2.9	No change	No progress	======	======	======	======	======
	Medicare, under 65	2016	34.3	2020	34.7	-0.1	No change	No progress	Private insurance	21.0	34.7	65.2	Worse
	Medicaid	2016	24.1	2020	25.1	0.0	No change	No progress			25.1	19.5	Worse
	Other insurance	2016	25.7	2020	21.2	-5.9	No change	No progress			21.2	1.0	Same
	Uninsured/self pay/no charge	2016	27.5	2020	23.7	-2.8	No change	No progress			23.7	12.9	Same
Metropolitan status	Large fringe metro	2016	23.1	2020	21.1	-3.2	Improving	No progress	======	======	======	======	======
	Large central metro	2016	22.7	2020	23.0	-1.4	No change	No progress	Large fringe metro	21.1	23.0	9.0	Same
	Medium metro	2016	23.4	2020	24.1	0.3	No change	No progress			24.1	14.2	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
	Small metro	2016	27.8	2020	29.2	0.4	No change	No progress			29.2	38.4	Worse
	Micropolitan	2016	27.8	2020	26.5	-1.9	No change	No progress			26.5	25.6	Worse
	Noncore	2016	25.7	2020	27.7	1.3	No change	No progress			27.7	31.3	Worse
Age	18-44	2016	13.6	2020	17.2	1.3	No change	No progress	======	======	======	======	======
	40-64	2016	18.0	2020	17.4	-1.8	No change	No progress	18-44	17.2	17.4	1.2	Same
	65-69	2016	22.8	2020	22.0	-2.2	No change	No progress			22.0	27.9	Worse
	70-74	2016	26.4	2020	26.7	-0.6	No change	No progress			26.7	55.2	Worse
	45-64	2016	18.2	2020	17.4	-1.9	No change	No progress			17.4	1.2	Same
	75-79	2016	29.3	2020	30.1	-0.8	No change	No progress			30.1	75.0	Worse
	80-84	2016	37.4	2020	37.6	0.3	No change	No progress			37.6	118.6	Worse
	65 and over	2016	28.4	2020	28.0	-1.2	No change	No progress			28.0	62.8	Worse
	85 and over	2016	43.7	2020	42.3	-1.3	No change	No progress			42.3	145.9	Worse
Gender	Male	2016	21.5	2020	21.5	-1.0	No change	No progress	======	======	======	======	======
	Female	2016	31.6	2020	31.0	-1.2	No change	No progress	Male	21.5	31.0	44.2	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.2.10. Deaths per 1,000 hospital admissions with percutaneous coronary intervention, age 40 and over

Source: HCUP

Benchmark: 30.0 in 2016

Data year for disparities analysis: 2020

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

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	38.1	2020	30.6	-5.1	Improving	No progress	======	======	======	======	======
Race	White	2016	38.4	2020	30.6	-5.2	Improving	No progress	======	======	======	======	======
	API	2016	39.0	2020	31.0	-5.4	Improving	No progress	White	30.6	31.0	1.3	Same
	Black	2016	35.3	2020	30.2	-3.6	No change	No progress			30.2	-1.3	Same
Ethnicity	Non-Hispanic, White	2016	38.4	2020	30.6	-5.2	Improving	No progress	======	======	======	======	======
	Hispanic, all races	2016	38.6	2020	30.3	-6.1	Improving	0 years	Non-Hispanic, White	30.6	30.3	-1.0	Same
	Non-Hispanic, API	2016	39.0	2020	31.0	-5.4	Improving	No progress			31.0	1.3	Same
	Non-Hispanic, Black	2016	35.3	2020	30.2	-3.6	No change	No progress			30.2	-1.3	Same
Income	Fourth quartile (highest income)	2016	37.3	2020	28.6	-6.1	Improving	Reached	======	======	======	======	======
	First quartile (lowest income)	2016	40.1	2020	32.4	-4.9	No change	No progress	Fourth quartile (highest income)	28.6	32.4	13.3	Worse
	Second quartile	2016	37.8	2020	30.7	-5.2	Improving	0 years			30.7	7.3	Same
	Third quartile	2016	36.6	2020	29.7	-4.6	Improving	No progress			29.7	3.8	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
Health insurance	Private insurance	2016	32.5	2020	27.5	-4.2	Improving	No progress	======	======	======	======	======
	Medicare, under 65	2016	47.5	2020	37.2	-5.4	Improving	No progress	Private insurance	27.5	37.2	35.3	Worse
	Medicaid	2016	37.4	2020	30.9	-4.7	Improving	No progress			30.9	12.4	Worse
	Other insurance	2016	36.4	2020	31.2	-5.1	No change	No progress			31.2	13.5	Worse
	Uninsured/self pay/no charge	2016	47.6	2020	38.2	-5.1	Improving	No progress			38.2	38.9	Worse
Metropolitan status	Large fringe metro	2016	35.5	2020	28.2	-5.3	Improving	Reached	======	======	======	======	======
	Large central metro	2016	38.3	2020	29.3	-6.0	Improving	Reached	Large fringe metro	28.2	29.3	3.9	Same
	Medium metro	2016	40.6	2020	32.7	-5.4	Improving	No progress			32.7	16.0	Worse
	Small metro	2016	39.0	2020	33.0	-3.9	Improving	No progress			33.0	17.0	Worse
	Micropolitan	2016	37.4	2020	31.5	-3.9	No change	No progress			31.5	11.7	Worse
	Noncore	2016	38.4	2020	31.8	-4.0	No change	No progress			31.8	12.8	Worse
Age	18-44	2016	18.3	2020	15.7	-4.5	No change	No progress	======	======	======	======	======
	40-64	2016	25.6	2020	22.5	-3.2	No change	No progress	18-44	15.7	22.5	43.3	Worse
	65-69	2016	34.7	2020	28.6	-4.6	Improving	No progress			28.6	82.2	Worse
	70-74	2016	41.7	2020	32.5	-5.8	Improving	No progress			32.5	107.0	Worse
	45-64	2016	26.1	2020	23.0	-3.2	No change	No progress			23.0	46.5	Worse
	75-79	2016	46.1	2020	34.7	-6.4	Improving	2 years			34.7	121.0	Worse
	80-84	2016	51.5	2020	40.4	-5.7	Improving	4 years			40.4	157.3	Worse
	65 and over	2016	45.8	2020	35.6	-5.7	Improving	No progress			35.6	126.8	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
	85 and over	2016	67.5	2020	51.7	-5.8	Improving	No progress			51.7	229.3	Worse
Gender	Male	2016	36.9	2020	28.8	-6.0	Improving	No progress	======	======	======	======	======
	Female	2016	40.5	2020	33.7	-3.9	Improving	No progress	Male	28.8	33.7	17.0	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.2.11. 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: HOQR

Benchmark: 77.5 in 2016

Data year for disparities analysis: 2020-2021

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

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	71.3	2020-2021	71.1	0.3	No change	No progress	======	======	======	======	======
Race	White	2016	71.7	2020-2021	72.1	0.0	No change	No progress	======	======	======	======	======
	AI/AN	2016	55.7	2020-2021	61.8	-2.5	No change	No progress	White	72.1	61.8	36.9	Worse
	Asian	2016	71.4	2020-2021	69.8	1.7	No change	No progress			69.8	8.2	Same
	NHPI	2016	68.3	2020-2021	68.4	0.3	No change	No progress			68.4	13.3	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
	Black	2016	69.7	2020-2021	69.1	0.2	No change	No progress			69.1	10.8	Worse
Ethnicity	Non-Hispanic, all races	2016	71.6	2020-2021	71.8	0.1	No change	No progress	======	======	======	======	======
	Hispanic, all races	2016	66.7	2020-2021	67.3	-0.3	No change	No progress	Non-Hispanic, all races	71.8	67.3	16.0	Worse
Age	0-64	2016	69.1	2020-2021	68.1	0.7	No change	No progress	======	======	======	======	======
	65-74	2016	71.9	2020-2021	71.4	0.7	No change	No progress	0-64	68.1	71.4	-10.3	Better
	75-84	2016	73.0	2020-2021	73.5	-0.1	No change	No progress			73.5	-16.9	Better
	85 and over	2016	74.3	2020-2021	74.2	0.2	No change	No progress			74.2	-19.1	Better
Gender	Male	2016	69.9	2020-2021	72.2	-0.9	No change	No progress	======	======	======	======	======
	Female	2016	72.7	2020-2021	70.6	1.3	Worsening	No progress	Male	72.2	70.6	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Measure Category: 4. Effectiveness of Care, Subcategory: 3. Chronic Kidney Disease

Appendix Table 4.3.1. Adult end stage renal disease patients who saw a nephrologist at least 12 months prior to initiation of renal replacement therapy

Source: USRDS

Benchmark: 54.1 in 2015

Data year for disparities analysis: 2020

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

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	2005	25.7	2020	37.8	-1.4	Improving	17 years	======	======	======	======	======
Race	White	2005	27.3	2020	39.1	-1.4	Improving	16 years	======	======	======	======	======
	AI/AN	2005	25.2	2020	37.1	-1.1	Improving	More than 20 years	White	39.1	37.1	3.3	Same
	API	2005	25.3	2020	38.9	-1.7	Improving	13 years			38.9	0.3	Same
	Black	2005	22.1	2020	34.5	-1.3	Improving	More than 20 years			34.5	7.6	Same
Ethnicity	Non-Hispanic, White	2005	28.8	2020	42.2	-1.6	Improving	12 years	======	======	======	======	======
	Hispanic, all races	2005	20.0	2020	29.8	-1.0	No change	More than 20 years	Non-Hispanic, White	42.2	29.8	21.5	Worse
	Non-Hispanic, all races	2005	26.6	2020	39.5	-1.5	Improving	15 years			39.5	4.7	Same
	Non-Hispanic, Black	2005	22.1	2020	34.6	-1.3	Improving	More than 20 years			34.6	13.1	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	2005	23.2	2020	30.8	-0.9	No change	More than 20 years	======	======	======	======	======
	45-64	2005	25.7	2020	34.9	-1.1	Improving	More than 20 years	18-44	30.8	34.9	-5.9	Same
	65-74	2005	27.1	2020	40.9	-1.6	Improving	13 years			40.9	-14.6	Better
	75 and over	2005	25.3	2020	42.6	-1.9	Improving	9 years			42.6	-17.1	Better
Gender	Male	2005	26.1	2020	37.2	-1.3	Improving	19 years	======	======	======	======	======
	Female	2005	25.3	2020	38.7	-1.4	Improving	16 years	Male	37.2	38.7	-2.4	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.3.2. 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: USRDS

Benchmark: 28.2 in 2015

Data year for disparities analysis: 2019

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

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	15.2	2019	15.7	-0.1	No change	No progress	======	======	======	======	======

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
Race	White	2000	17.0	2019	16.4	0.0	No change	No progress	======	======	======	======	======
	AI/AN	2000	13.0	2019	10.7	0.0	No change	No progress	White	16.4	10.7	6.8	Same
	API	2000	24.1	2019	21.9	0.1	No change	No progress			21.9	-6.6	Same
	Black	2000	11.1	2019	13.2	-0.2	No change	More than 20 years			13.2	3.8	Same
Ethnicity	Non-Hispanic, White	2000	18.0	2019	17.1	0.0	No change	No progress	======	======	======	======	======
	Hispanic, all races	2000	12.9	2019	14.1	-0.1	No change	No progress	Non-Hispanic, White	17.1	14.1	3.6	Same
	Non-Hispanic, all races	2000	15.5	2019	15.8	-0.1	No change	No progress			15.8	1.6	Same
	Non-Hispanic, Black	2000	11.2	2019	13.1	-0.2	No change	More than 20 years			13.1	4.8	Same
Age	18-44	2000	26.3	2019	22.7	0.1	No change	No progress	======	======	======	======	======
	45-64	2000	14.1	2019	14.7	-0.1	No change	No progress	18-44	22.7	14.7	10.3	Worse
	65-69	2000	5.0	2019	11.0	-0.4	No change	More than 20 years			11.0	15.1	Worse
Gender	Male	2000	16.4	2019	16.3	0.0	No change	No progress	======	======	======	======	======
	Female	2000	13.4	2019	14.8	-0.1	No change	More than 20 years	Male	16.3	14.8	1.8	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.3.3. Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure

Source: USRDS

Benchmark: 23.7 in 2015

Data year for disparities analysis: 2017

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

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	19.1	2017	14.1	0.5	No change	No progress	======	======	======	======	======
Race	White	2000	24.6	2017	16.6	0.8	No change	No progress	======	======	======	======	======
	AI/AN	2000	15.5	2017	7.1	0.4	No change	No progress	White	16.6	7.1	11.4	Worse
	API	2000	15.7	2017	15.3	0.2	No change	No progress			15.3	1.6	Same
	Black	2000	9.8	2017	8.6	0.2	No change	No progress			8.6	9.6	Same
Ethnicity	Non-Hispanic, White	2000	26.9	2017	18.6	0.8	No change	No progress	======	======	======	======	======
	Hispanic, all races	2000	15.2	2017	11.1	0.4	No change	No progress	Non-Hispanic, White	18.6	11.1	9.2	Same
	Non-Hispanic, all races	2000	19.4	2017	14.4	0.5	No change	No progress			14.4	5.2	Same
	Non-Hispanic, Black	2000	9.8	2017	8.5	0.2	No change	No progress			8.5	12.4	Worse
Age	18-44	2000	31.3	2017	22.5	0.9	No change	No progress	======	======	======	======	======
	45-64	2000	15.9	2017	12.0	0.4	No change	No progress	18-44	22.5	12.0	13.5	Worse
	65-69	2000	6.2	2017	8.4	0.0	No change	No progress			8.4	18.2	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
Gender	Male	2000	20.5	2017	14.1	0.6	No change	No progress	======	======	======	======	======
	Female	2000	17.3	2017	14.0	0.3	No change	No progress	Male	14.1	14.0	0.1	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.3.4. Hemodialysis patients whose hemoglobin level is less than 10 g/dL

Source: UMKECC

Benchmark: 16.1 in 2015

Data year for disparities analysis: 2021

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

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	2015	20.7	2021	22.9	1.1	No change	No progress	======	======	======	======	======
Race	White	2015	19.8	2021	21.9	1.2	No change	No progress	======	======	======	======	======
	Asian	2015	20.7	2021	21.3	-0.2	No change	No progress	White	21.9	21.3	-2.7	Same
	Black	2015	22.2	2021	24.8	1.2	No change	No progress			24.8	13.2	Worse
Ethnicity	Non-Hispanic, all races	2015	21.3	2021	23.4	1.1	No change	No progress	======	======	======	======	======

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
	Hispanic, all races	2015	18.7	2021	21.1	1.3	No change	No progress		Non-Hispanic, all races	23.4	21.1	-9.8	Same
Age	0-17	2015	22.7	2021	22.3	-1.0	No change	No progress		======	======	======	======	======
	18-64	2015	21.2	2021	23.9	1.4	No change	No progress		0-17	22.3	23.9	7.2	Same
	65 and over	2015	20.2	2021	22.0	0.9	No change	No progress				22.0	-1.3	Same
Gender	Male	2015	19.2	2021	21.3	1.1	No change	No progress		======	======	======	======	======
	Female	2015	22.7	2021	25.2	1.2	No change	No progress		Male	21.3	25.2	18.3	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.3.5. Adult hemodialysis patients who use arteriovenous fistulas as the primary mode of vascular access

Source: USRDS

Benchmark: 72.8 in 2015

Data year for disparities analysis: 2020

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

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	2020	62.6	-0.3	No change	No progress		======	======	======	======	======
Race	White	2012	64.4	2020	65.4	-0.5	No change	No progress		======	======	======	======	======

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
	AI/AN	2012	72.2	2020	73.9	-0.8	No change	No progress	White	65.4	73.9	-24.6	Better
	API	2012	66.6	2020	68.3	-0.7	No change	No progress			68.3	-8.4	Same
	Black	2012	57.4	2020	56.3	0.3	No change	No progress			56.3	26.3	Worse
Ethnicity	Non-Hispanic, White	2012	62.9	2020	63.6	-0.4	No change	No progress	======	======	======	======	======
	Hispanic, all races	2012	67.8	2020	68.8	-0.7	No change	No progress	Non-Hispanic, White	63.6	68.8	-14.3	Better
	Non-Hispanic, all races	2012	60.8	2020	61.0	-0.2	No change	No progress			61.0	7.1	Same
	Non-Hispanic, Black	2012	57.3	2020	56.2	0.3	No change	No progress			56.2	20.3	Worse
Age	18-44	2012	66.0	2020	62.9	1.0	Worsening	No progress	======	======	======	======	======
	45-64	2012	64.0	2020	64.8	-0.4	No change	No progress	18-44	62.9	64.8	-5.1	Same
	65-74	2012	60.0	2020	62.3	-0.9	No change	More than 20 years			62.3	1.6	Same
	75 and over	2012	54.9	2020	58.7	-1.3	Improving	More than 20 years			58.7	11.3	Worse
Gender	Male	2012	68.4	2020	68.0	-0.1	No change	No progress	======	======	======	======	======
	Female	2012	54.0	2020	55.2	-0.4	No change	No progress	Male	68.0	55.2	40.0	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Measure Category: 4. Effectiveness of Care, Subcategory: 4. Diabetes

Appendix Table 4.4.1. 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: MEPS

Benchmark: Not available

Data year for disparities analysis: 2020

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

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	2008	21.0	2020	24.0	-0.4	No change	======	======	======	======	======	======
Race	Asian	2011	23.9	2016	18.2	0.7	No change	======	------	------	------	------	------
	White	2008	21.8	2020	25.7	-0.5	No change	======	======	======	======	======	======
	Black	2008	16.6	2020	16.0	-0.4	No change	======	White	25.7	16.0	13.1	Worse
Ethnicity	Non-Hispanic, Asian	2011	23.9	2016	18.3	0.7	No change	======	------	------	------	------	------
	Non-Hispanic, White	2008	22.7	2020	27.8	-0.6	No change	======	======	======	======	======	======
	Hispanic, all races	2008	18.7	2020	18.1	-0.2	No change	======	Non-Hispanic, White	27.8	18.1	13.4	Worse
	Non-Hispanic, all races	2008	21.5	2020	25.5	-0.6	No change	======			25.5	3.2	Same
	Non-Hispanic, Black	2008	16.6	2020	16.1	-0.4	No change	======			16.1	16.2	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
Income	400% of PL or more	2008	27.8	2020	28.9	-0.2	No change	======		======	======	======	======	======
	Less than 100% of PL	2008	16.2	2020	18.1	-0.6	No change	======		400% of PL or more	28.9	18.1	15.2	Worse
	100%-199% of PL	2008	17.9	2020	18.4	-0.3	No change	======				18.4	14.8	Worse
	200%-399% of PL	2008	17.0	2020	23.2	-0.6	No change	======				23.2	8.0	Same
Health insurance	Uninsured	2012	10.0	2016	17.4	-2.2	Improving	======		------	------	------	------	------
	Any private	2008	22.5	2020	25.5	0.1	No change	======		======	======	======	======	======
	Public only	2008	17.4	2020	16.4	-0.3	No change	======		Any private	25.5	16.4	12.2	Worse
Metropolitan status	Large fringe metro	2008	22.5	2020	28.1	-0.3	No change	======		======	======	======	======	======
	Metropolitan	2008	20.4	2020	23.4	-0.4	No change	======		Large fringe metro	28.1	23.4	6.5	Same
	Large central metro	2008	18.8	2020	23.6	-0.8	No change	======				23.6	6.3	Same
	Medium metro	2008	18.0	2020	16.1	-0.2	No change	======				16.1	16.7	Worse
	Small metro	2008	25.2	2020	26.3	0.0	No change	======				26.3	2.5	Same
	Nonmetropolitan	2008	24.3	2020	27.0	-0.6	No change	======				27.0	1.5	Same
	Micropolitan	2008	25.7	2020	29.6	-0.7	No change	======				29.6	-2.1	Same
	Noncore	2009	13.9	2020	22.5	-0.8	No change	======				22.5	7.8	Same
Age	40-59	2008	16.0	2020	18.4	-0.4	No change	======		======	======	======	======	======
	60 and over	2008	29.0	2020	33.1	-0.6	No change	======		40-59	18.4	33.1	-18.0	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
Disability status	Without disability	2013	24.7	2020	23.8	-0.2	No change	======	======	======	======	======	======
	With any disability	2013	23.6	2020	23.3	-0.6	No change	======	Without disability	23.8	23.3	0.7	Same
Gender	Male	2008	21.4	2020	23.0	-0.4	No change	======	======	======	======	======	======
	Female	2008	20.5	2020	25.3	-0.5	No change	======	Male	23.0	25.3	-3.0	Same
Education	At least some college	2008	25.2	2020	29.8	-0.3	No change	======	======	======	======	======	======
	Less than high school graduate	2008	16.1	2020	11.2	-0.2	No change	======	At least some college	29.8	11.2	26.5	Worse
	High school graduate	2008	19.5	2020	21.7	-0.6	No change	======			21.7	11.5	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.4.2. Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year

Source: MEPS

Benchmark: 79.5 in 2015

Data year for disparities analysis: 2020

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

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	80.7	2020	77.3	0.3	No change	No progress		======	======	======	======	======
Race	Asian	2014	52.8	2014	52.8	------	------	------		------	------	------	------	------
	White	2002	80.1	2020	78.1	0.1	No change	No progress		======	======	======	======	======
	Black	2002	81.5	2020	76.9	1.0	No change	No progress		White	78.1	76.9	5.5	Same
Ethnicity	Non-Hispanic, Asian	2014	52.8	2014	52.8	------	------	------		------	------	------	------	------
	Non-Hispanic, White	2002	80.6	2020	80.7	-0.2	No change	No progress		======	======	======	======	======
	Hispanic, all races	2002	77.6	2020	70.4	0.6	No change	No progress		Non-Hispanic, White	80.7	70.4	53.4	Worse
	Non-Hispanic, all races	2002	81.2	2020	78.9	0.2	No change	No progress				78.9	9.3	Same
	Non-Hispanic, Black	2002	81.3	2020	77.6	1.0	No change	No progress				77.6	16.1	Same
Income	400% of PL or more	2002	81.7	2020	82.3	-0.2	No change	No progress		======	======	======	======	======
	Less than 100% of PL	2002	83.9	2020	75.8	0.5	No change	No progress		400% of PL or more	82.3	75.8	36.7	Same
	100%-199% of PL	2002	81.6	2020	69.3	0.7	No change	No progress				69.3	73.4	Worse
	200%-399% of PL	2002	77.6	2020	75.0	0.5	No change	No progress				75.0	41.2	Same
Health insurance	Uninsured	2002	73.8	2016	78.4	1.7	No change	No progress		------	------	------	------	------
	Any private	2002	81.9	2020	78.1	0.7	No change	No progress		======	======	======	======	======
	Public only	2002	81.1	2020	72.5	1.1	No change	No progress		Any private	78.1	72.5	25.6	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
Metropolitan status	Noncore	2002	79.9	2019	77.8	-0.2	No change	No progress		------	------	------	------	------
	Large fringe metro	2002	83.5	2020	78.4	0.3	No change	No progress		======	======	======	======	======
	Metropolitan	2002	80.8	2020	77.1	0.3	No change	No progress		Large fringe metro	78.4	77.1	6.0	Same
	Large central metro	2002	79.1	2020	75.7	0.0	No change	No progress				75.7	12.5	Same
	Medium metro	2002	79.0	2020	74.5	1.1	Worsening	No progress				74.5	18.1	Same
	Small metro	2002	84.6	2020	80.1	0.0	No change	No progress				80.1	-7.9	Same
	Nonmetropolitan	2002	80.4	2020	78.5	0.4	No change	No progress				78.5	-0.5	Same
	Micropolitan	2002	80.3	2020	80.3	1.3	No change	No progress				80.3	-8.8	Same
Age	40-59	2002	81.7	2020	76.5	0.5	No change	No progress		======	======	======	======	======
	60 and over	2002	79.2	2020	78.6	0.0	No change	No progress		40-59	76.5	78.6	-8.9	Same
Disability status	Without disability	2013	72.5	2020	76.7	-0.9	No change	No progress		======	======	======	======	======
	With any disability	2013	77.1	2020	77.8	-2.0	No change	No progress		Without disability	76.7	77.8	-4.7	Same
Gender	Male	2002	80.9	2020	73.7	0.7	No change	No progress		======	======	======	======	======
	Female	2002	80.7	2020	81.1	-0.2	No change	No progress		Male	73.7	81.1	-28.1	Better
Education	At least some college	2002	82.0	2020	79.5	-0.2	No change	No progress		======	======	======	======	======
	Less than high school graduate	2002	77.0	2020	62.2	1.8	Worsening	No progress		At least some college	79.5	62.2	84.4	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
	High school graduate	2002	81.9	2020	81.3	0.4	No change	No progress				81.3	-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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.4.3. Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year

Source: MEPS

Benchmark: 75.2 in 2015

Data year for disparities analysis: 2020

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

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	62.1	2020	56.7	0.0	No change	No progress		======	======	======	======	======
Race	Asian	2009	52.8	2016	58.3	2.6	No change	No progress		------	------	------	------	------
	White	2002	62.0	2020	57.5	-0.1	No change	No progress		======	======	======	======	======
	Black	2002	62.6	2020	52.4	0.3	No change	No progress		White	57.5	52.4	12.0	Same
Ethnicity	Non-Hispanic, Asian	2009	52.9	2016	57.9	2.7	No change	No progress		------	------	------	------	------
	Non-Hispanic, White	2002	62.8	2020	59.2	-0.1	No change	No progress		======	======	======	======	======

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
	Hispanic, all races	2002	57.2	2020	51.9	-0.4	No change	No progress	Non-Hispanic, White	59.2	51.9	17.9	Same
	Non-Hispanic, all races	2002	62.7	2020	58.0	0.0	No change	No progress			58.0	2.9	Same
	Non-Hispanic, Black	2002	62.6	2020	52.1	0.4	No change	No progress			52.1	17.4	Same
Income	400% of PL or more	2002	69.5	2020	62.2	0.6	No change	No progress	======	======	======	======	======
	Less than 100% of PL	2002	55.9	2020	54.6	-0.8	No change	More than 20 years	400% of PL or more	62.2	54.6	20.1	Same
	100%-199% of PL	2002	55.5	2020	52.4	-0.6	No change	No progress			52.4	25.9	Same
	200%-399% of PL	2002	61.2	2020	53.2	0.3	No change	No progress			53.2	23.8	Same
Health insurance	Uninsured	2002	42.1	2016	45.1	-0.2	No change	No progress	------	------	------	------	------
	Any private	2002	62.9	2020	55.5	0.5	No change	No progress	======	======	======	======	======
	Public only	2002	52.3	2020	51.6	-0.1	No change	No progress	Any private	55.5	51.6	8.8	Same
Metropolitan status	Large fringe metro	2002	61.9	2020	54.2	0.9	No change	No progress	======	======	======	======	======
	Metropolitan	2002	62.6	2020	58.0	0.0	No change	No progress	Large fringe metro	54.2	58.0	-8.3	Same
	Large central metro	2002	64.1	2020	59.3	-0.2	No change	No progress			59.3	-11.1	Same
	Medium metro	2002	63.0	2020	57.9	-0.2	No change	No progress			57.9	-8.1	Same
	Small metro	2002	56.4	2020	61.8	-0.7	No change	No progress			61.8	-16.6	Same
	Nonmetropolitan	2002	60.1	2020	50.0	-0.1	No change	No progress			50.0	9.2	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
	Micropolitan	2002	63.0	2020	51.6	-0.2	No change	No progress				51.6	5.7	Same
	Noncore	2002	55.9	2020	46.0	-0.1	No change	No progress				46.0	17.9	Same
Age	40-59	2002	59.1	2020	51.0	0.2	No change	No progress		======	======	======	======	======
	60 and over	2002	67.0	2020	65.8	-0.3	No change	No progress		40-59	51.0	65.8	-30.2	Better
Disability status	Without disability	2013	62.5	2020	57.8	1.4	Worsening	No progress		======	======	======	======	======
	With any disability	2013	61.0	2020	53.4	0.7	No change	No progress		Without disability	57.8	53.4	10.4	Same
Gender	Male	2002	61.2	2020	57.4	0.0	No change	No progress		======	======	======	======	======
	Female	2002	62.9	2020	56.1	0.0	No change	No progress		Male	57.4	56.1	3.1	Same
Education	At least some college	2002	66.3	2020	60.9	0.1	No change	No progress		======	======	======	======	======
	Less than high school graduate	2002	55.7	2020	42.2	0.2	No change	No progress		At least some college	60.9	42.2	47.8	Worse
	High school graduate	2002	63.4	2020	58.4	0.3	No change	No progress				58.4	6.4	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.4.4. Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year

Source: MEPS

Benchmark: 84.0 in 2015

Data year for disparities analysis: 2020

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

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	73.0	2020	59.0	1.3	Worsening	No progress		======	======	======	======	======
Race	Asian	2009	56.4	2016	58.3	3.2	No change	No progress		------	------	------	------	------
	White	2002	72.9	2020	59.2	1.2	Worsening	No progress		======	======	======	======	======
	Black	2002	74.2	2020	54.9	2.2	Worsening	No progress		White	59.2	54.9	10.5	Same
Ethnicity	Non-Hispanic, Asian	2009	56.5	2016	57.9	3.3	No change	No progress		------	------	------	------	------
	Non-Hispanic, White	2002	74.7	2020	63.2	0.9	No change	No progress		======	======	======	======	======
	Hispanic, all races	2002	65.2	2020	49.6	1.7	Worsening	No progress		Non-Hispanic, White	63.2	49.6	37.0	Worse
	Non-Hispanic, all races	2002	74.3	2020	61.6	1.2	Worsening	No progress				61.6	4.3	Same
	Non-Hispanic, Black	2002	74.1	2020	55.7	2.1	Worsening	No progress				55.7	20.4	Same
Income	400% of PL or more	2002	77.2	2020	63.3	1.9	Worsening	No progress		======	======	======	======	======
	Less than 100% of PL	2002	70.0	2020	58.2	0.9	No change	No progress		400% of PL or more	63.3	58.2	13.9	Same
	100%-199% of PL	2002	73.4	2020	53.0	0.6	No change	No progress				53.0	28.1	Same
	200%-399% of PL	2002	69.7	2020	56.7	1.4	Worsening	No progress				56.7	18.0	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
Health insurance	Uninsured	2002	61.5	2016	61.6	0.0	No change	No progress		------	------	------	------	------
	Any private	2002	73.6	2020	59.1	1.9	Worsening	No progress		======	======	======	======	======
	Public only	2002	73.1	2020	58.1	1.4	Worsening	No progress		Any private	59.1	58.1	2.4	Same
Metropolitan status	Large fringe metro	2002	77.8	2020	60.3	2.3	Worsening	No progress		======	======	======	======	======
	Metropolitan	2002	73.8	2020	58.2	1.6	Worsening	No progress		Large fringe metro	60.3	58.2	5.3	Same
	Large central metro	2002	73.3	2020	57.8	1.3	Worsening	No progress				57.8	6.3	Same
	Medium metro	2002	74.4	2020	54.0	1.5	Worsening	No progress				54.0	15.9	Same
	Small metro	2002	64.4	2020	61.9	1.4	Worsening	No progress				61.9	-4.0	Same
	Nonmetropolitan	2002	69.4	2020	63.1	-0.1	No change	No progress				63.1	-7.1	Same
	Micropolitan	2002	71.5	2020	63.0	0.5	No change	No progress				63.0	-6.8	Same
	Noncore	2002	66.0	2020	62.4	-0.6	No change	No progress				62.4	-5.3	Same
Age	40-59	2002	73.0	2020	54.9	1.9	Worsening	No progress		======	======	======	======	======
	60 and over	2002	72.9	2020	65.5	0.2	No change	No progress		40-59	54.9	65.5	-23.5	Better
Disability status	Without disability	2013	63.4	2020	58.0	2.7	Worsening	No progress		======	======	======	======	======
	With any disability	2013	71.3	2020	61.1	4.2	Worsening	No progress		Without disability	58.0	61.1	-7.4	Same
Gender	Male	2002	74.1	2020	60.6	1.1	Worsening	No progress		======	======	======	======	======
	Female	2002	72.0	2020	57.3	1.6	Worsening	No progress		Male	60.6	57.3	8.4	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
Education	At least some college	2002	78.3	2020	62.5	2.3	Worsening	No progress	======	======	======	======	======
	Less than high school graduate	2002	66.3	2020	43.3	1.6	Worsening	No progress	At least some college	62.5	43.3	51.2	Worse
	High school graduate	2002	72.2	2020	62.5	0.5	No change	No progress			62.5	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.4.5. Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year

Source: MEPS

Benchmark: 65.8 in 2015

Data year for disparities analysis: 2020

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

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	2008	58.2	2020	64.8	-1.0	Improving	3 years	======	======	======	======	======
Race	Asian	2009	50.5	2016	63.8	-0.2	No change	No progress	------	------	------	------	------
	White	2008	58.7	2020	66.5	-1.0	Improving	Reached	======	======	======	======	======
	Black	2008	51.8	2020	55.5	-0.9	No change	No progress	White	66.5	55.5	32.8	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
Ethnicity	Non-Hispanic, Asian	2009	50.6	2016	64.1	-0.3	No change	No progress		------	------	------	------	------
	Non-Hispanic, White	2008	59.8	2020	69.3	-1.1	Improving	Reached		======	======	======	======	======
	Hispanic, all races	2008	52.9	2020	57.3	-1.4	Improving	14 years		Non-Hispanic, White	69.3	57.3	39.1	Worse
	Non-Hispanic, all races	2008	59.0	2020	66.5	-1.1	Improving	Reached				66.5	9.1	Same
	Non-Hispanic, Black	2008	52.0	2020	56.2	-0.8	No change	No progress				56.2	42.7	Worse
Income	400% of PL or more	2008	62.4	2020	66.4	-0.5	No change	No progress		======	======	======	======	======
	Less than 100% of PL	2008	56.0	2020	58.5	-0.8	No change	No progress		400% of PL or more	66.4	58.5	23.5	Same
	100%-199% of PL	2008	56.1	2020	64.6	-1.1	Improving	No progress				64.6	5.4	Same
	200%-399% of PL	2008	56.0	2020	65.8	-1.5	Improving	0 years				65.8	1.8	Same
Health insurance	Uninsured	2008	36.7	2016	49.7	-2.5	Improving	No progress		------	------	------	------	------
	Any private	2008	60.6	2020	68.2	-0.5	No change	No progress		======	======	======	======	======
	Public only	2008	52.5	2020	53.5	0.1	No change	No progress		Any private	68.2	53.5	46.2	Worse
Metropolitan status	Large fringe metro	2008	60.3	2020	69.4	-0.7	No change	No progress		======	======	======	======	======
	Metropolitan	2008	58.4	2020	63.9	-1.0	Improving	5 years		Large fringe metro	69.4	63.9	18.0	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
	Large central metro	2008	58.9	2020	65.6	-1.8	Improving	0 years				65.6	12.4	Same
	Medium metro	2008	57.0	2020	58.2	-1.2	No change	No progress				58.2	36.6	Same
	Small metro	2008	55.5	2020	60.3	0.1	No change	No progress				60.3	29.7	Same
	Nonmetropolitan	2008	57.0	2020	69.4	-1.2	No change	No progress				69.4	0.0	Same
	Micropolitan	2008	53.3	2020	69.9	-1.6	No change	No progress				69.9	-1.6	Same
	Noncore	2009	50.8	2020	67.6	-1.4	No change	No progress				67.6	5.9	Same
Age	40-59	2008	49.7	2020	57.1	-1.0	No change	19 years		======	======	======	======	======
	60 and over	2008	71.9	2020	77.1	-1.3	Improving	No progress		40-59	57.1	77.1	-46.6	Better
Disability status	Without disability	2013	58.4	2020	66.6	-3.3	Improving	Reached		======	======	======	======	======
	With any disability	2013	64.0	2020	60.7	1.4	Worsening	No progress		Without disability	66.6	60.7	17.7	Same
Gender	Male	2008	57.8	2020	60.4	-0.3	No change	No progress		======	======	======	======	======
	Female	2008	58.5	2020	69.7	-1.9	Improving	Reached		Male	60.4	69.7	-23.5	Better
Education	At least some college	2008	61.7	2020	70.1	-1.1	Improving	No progress		======	======	======	======	======
	Less than high school graduate	2008	54.6	2020	59.6	-0.9	No change	No progress		At least some college	70.1	59.6	35.1	Same
	High school graduate	2008	57.4	2020	58.7	-0.7	No change	No progress				58.7	38.1	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.4.6. Adults age 40 and over with diabetes whose condition was diagnosed

Source: NHANES

Benchmark: Not available

Data year for disparities analysis: 2017 - March 2020

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

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	2001-2004	70.1	2017 - March 2020	76.9	-1.9	No change	======		======	======	======	======	======
Race	White	2001-2004	67.1	2017 - March 2020	80.9	-3.7	Improving	======		======	======	======	======	======
	Asian	2013-2016	68.6	2017 - March 2020	68.6	------	------	======		White	80.9	68.6	64.4	Same
	Black	2001-2004	75.3	2017 - March 2020	71.1	-0.3	No change	======				71.1	51.3	Same
Ethnicity	Non-Hispanic, White	2001-2004	67.1	2017 - March 2020	80.9	-3.7	Improving	======		======	======	======	======	======
	Hispanic, all races	2009-2012	70.3	2017 - March 2020	75.2	------	------	======		Non-Hispanic, White	80.9	75.2	29.8	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
	Mexican American	2001-2004	78.6	2017 - March 2020	77.6	0.8	No change	======				77.6	17.3	Same
	Non-Hispanic, all races	2009-2012	71.9	2017 - March 2020	77.8	------	------	======				77.8	16.2	Same
	Non-Hispanic, Asian	2013-2016	68.6	2017 - March 2020	68.6	------	------	======				68.6	64.4	Same
	Non-Hispanic, Black	2001-2004	75.3	2017 - March 2020	71.1	-0.3	No change	======				71.1	51.3	Same
Income	400% of PL or more	2001-2004	72.7	2017 - March 2020	79.3	-3.5	No change	======		======	======	======	======	======
	Less than 100% of PL	2001-2004	65.5	2017 - March 2020	75.1	-1.4	No change	======		400% of PL or more	79.3	75.1	20.3	Same
	100%-199% of PL	2001-2004	72.7	2017 - March 2020	76.2	-0.8	No change	======				76.2	15.0	Same
	200%-399% of PL	2001-2004	70.8	2017 - March 2020	73.6	-0.8	No change	======				73.6	27.5	Same
Health insurance	Uninsured	2005-2008	72.2	2009-2012	61.9	------	------	======		------	------	------	------	------

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
	Private	2005-2008	73.9	2017 - March 2020	80.3	-3.6	No change	======	======	======	======	======	======
	Insured	2005-2008	76.9	2017 - March 2020	78.1	-1.3	No change	======	Private	80.3	78.1	11.2	Same
	Public	2009-2012	85.3	2017 - March 2020	72.5	------	------	======			72.5	39.6	Same
Age	40-59	2001-2004	71.7	2017 - March 2020	74.8	-0.9	No change	======	======	======	======	======	======
	60 and over	2001-2004	67.7	2017 - March 2020	80.4	-3.4	Improving	======	40-59	74.8	80.4	-22.2	Same
Gender	Male	2001-2004	64.2	2017 - March 2020	80.2	-4.1	Improving	======	======	======	======	======	======
	Female	2001-2004	77.8	2017 - March 2020	73.0	1.1	No change	======	Male	80.2	73.0	36.4	Same
Education	At least some college	2001-2004	70.7	2017 - March 2020	77.5	-1.6	No change	======	======	======	======	======	======
	Less than high school graduate	2001-2004	68.6	2017 - March 2020	78.2	-1.2	No change	======	At least some college	77.5	78.2	-3.1	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
	High school graduate	2001-2004	72.7	2017 - March 2020	75.5	-2.1	No change	======				75.5	8.9	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.4.7. Adults age 40 and over with diagnosed diabetes with hemoglobin A1c less than 8.0% (optimal control)

Source: NHANES

Benchmark: Not available

Data for Disparities are not available

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

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	1999-2002	67.1	2015-2018	72.8	-0.3	No change	======		======	======	======	======	======
Race	Asian	2011-2014	78.8	2015-2018	74.1	------	------	======		------	------	------	------	------
	Black	1999-2002	58.4	2015-2018	63.7	-0.8	No change	======				------	------	------
	White	1999-2002	71.7	2015-2018	77.2	0.0	No change	======		======	======	======	======	======

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
Ethnicity	Hispanic, all races	2011-2014	61.5	2015-2018	62.4	------	------	======	------	------	------	------	------
	Mexican American	1999-2002	53.8	2015-2018	61.2	-1.3	No change	======			------	------	------
	Non-Hispanic, Asian	2011-2014	78.8	2015-2018	74.1	------	------	======			------	------	------
	Non-Hispanic, Black	1999-2002	58.4	2015-2018	63.7	-0.8	No change	======			------	------	------
	Non-Hispanic, White	1999-2002	71.7	2015-2018	77.2	0.0	No change	======	======	======	======	======	======
Income	Less than 100% of PL	1999-2002	64.4	2015-2018	67.4	-1.1	No change	======	------	------	------	------	------
	100%-199% of PL	1999-2002	66.4	2015-2018	65.9	0.8	No change	======			------	------	------
	200%-399% of PL	1999-2002	65.1	2015-2018	72.5	0.2	No change	======			------	------	------
	400% of PL or more	1999-2002	72.9	2015-2018	78.9	-0.2	No change	======	======	======	======	======	======
Health insurance	Insured	2015-2018	73.2	2015-2018	73.2	------	------	======	------	------	------	------	------
	Public	2015-2018	70.3	2015-2018	70.3	------	------	======			------	------	------
	Uninsured	2015-2018	55.5	2015-2018	55.5	------	------	======			------	------	------
	Private	2015-2018	74.7	2015-2018	74.7	------	------	======	======	======	======	======	======
Age	60 and over	1999-2002	72.2	2015-2018	82.1	-0.7	No change	======	------	------	------	------	------

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
	40-59	1999-2002	63.9	2015-2018	67.0	-0.1	No change	======	======	======	======	======	======
Gender	Female	1999-2002	66.5	2015-2018	75.8	-0.8	No change	======	------	------	------	------	------
	Male	1999-2002	67.2	2015-2018	70.4	-0.1	No change	======	======	======	======	======	======
Education	Less than high school graduate	1999-2002	64.4	2015-2018	67.3	-1.0	No change	======	------	------	------	------	------
	High school graduate	1999-2002	60.2	2015-2018	66.4	0.2	No change	======			------	------	------
	At least some college	1999-2002	71.8	2015-2018	77.3	0.0	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.4.8. Adults age 40 and over with diagnosed diabetes with hemoglobin A1c more than 9.0% (poor control)

Source: NHANES

Benchmark: Not available

Data year for disparities analysis: 2017 - March 2020

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

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	2001-2004	15.5	2017 - March 2020	14.7	0.4	No change	======		======	======	======	======	======
Race	White	2001-2004	12.0	2017 - March 2020	11.0	0.4	No change	======		======	======	======	======	======
	Asian	2017 - March 2020	16.8	2017 - March 2020	16.8	------	------	======		White	11.0	16.8	52.7	Same
	Black	2001-2004	23.1	2017 - March 2020	25.0	0.5	No change	======				25.0	127.3	Worse
Ethnicity	Non-Hispanic, White	2001-2004	12.0	2017 - March 2020	11.0	0.4	No change	======		======	======	======	======	======
	Hispanic, all races	2009-2012	21.4	2017 - March 2020	21.3	------	------	======		Non-Hispanic, White	11.0	21.3	93.6	Worse
	Mexican American	2001-2004	24.7	2017 - March 2020	19.6	-0.9	No change	======				19.6	78.2	Same
	Non-Hispanic, Asian	2017 - March 2020	16.8	2017 - March 2020	16.8	------	------	======				16.8	52.7	Same
	Non-Hispanic, Black	2001-2004	23.1	2017 - March 2020	25.0	0.5	No change	======				25.0	127.3	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
Income	Less than 100% of PL	2001-2004	17.9	2017 - March 2020	19.2	0.8	No change	======		------	------	------	------	------
	100%-199% of PL	2001-2004	13.6	2017 - March 2020	19.2	2.5	Worsening	======				------	------	------
	200%-399% of PL	2001-2004	15.4	2017 - March 2020	13.3	1.4	No change	======				------	------	------
	400% of PL or more	2001-2004	14.5	2013-2016	13.4	------	------	======		======	======	======	======	======
Health insurance	Private	2017 - March 2020	14.5	2017 - March 2020	14.5	------	------	======		======	======	======	======	======
	Insured	2017 - March 2020	13.9	2017 - March 2020	13.9	------	------	======		Private	14.5	13.9	-4.1	Same
	Public	2017 - March 2020	12.9	2017 - March 2020	12.9	------	------	======				12.9	-11.0	Same
	Uninsured	2017 - March 2020	38.4	2017 - March 2020	38.4	------	------	======				38.4	164.8	Worse
Age	40-59	2001-2004	20.0	2017 - March 2020	18.9	0.5	No change	======		======	======	======	======	======

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
	60 and over	2001-2004	8.2	2017 - March 2020	8.0	-0.2	No change	======	40-59	18.9	8.0	-57.7	Better
Gender	Male	2001-2004	17.0	2017 - March 2020	17.5	0.8	No change	======	======	======	======	======	======
	Female	2001-2004	13.9	2017 - March 2020	11.2	-0.5	No change	======	Male	17.5	11.2	-36.0	Better
Education	At least some college	2001-2004	13.1	2017 - March 2020	11.6	-0.2	No change	======	======	======	======	======	======
	Less than high school graduate	2001-2004	17.4	2017 - March 2020	20.8	1.3	No change	======	At least some college	11.6	20.8	79.3	Worse
	High school graduate	2001-2004	18.6	2017 - March 2020	16.7	0.9	No change	======			16.7	44.0	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.4.9. Adults age 40 and over with diagnosed diabetes with blood pressure less than 130/80 mm Hg

Source: NHANES

Benchmark: Not available

Data year for disparities analysis: 2017 - March 2020

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

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	2001-2004	44.7	2017 - March 2020	46.6	-0.4	No change	======	======	======	======	======	======
Race	White	2001-2004	50.2	2017 - March 2020	48.3	-0.1	No change	======	======	======	======	======	======
	Asian	2013-2016	59.5	2017 - March 2020	55.7	------	------	======	White	48.3	55.7	-14.3	Same
	Black	2001-2004	35.6	2017 - March 2020	33.5	0.3	No change	======			33.5	28.6	Worse
Ethnicity	Non-Hispanic, White	2001-2004	50.2	2017 - March 2020	48.3	-0.1	No change	======	======	======	======	======	======
	Hispanic, all races	2009-2012	49.8	2017 - March 2020	49.1	------	------	======	Non-Hispanic, White	48.3	49.1	-1.5	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
	Mexican American	2001-2004	46.5	2017 - March 2020	47.1	-0.1	No change	======			47.1	2.3	Same
	Non-Hispanic, all races	2009-2012	54.6	2017 - March 2020	46.1	------	------	======			46.1	4.3	Same
	Non-Hispanic, Asian	2013-2016	59.5	2017 - March 2020	55.7	------	------	======			55.7	-14.3	Same
	Non-Hispanic, Black	2001-2004	35.6	2017 - March 2020	33.5	0.3	No change	======			33.5	28.6	Worse
Income	400% of PL or more	2001-2004	57.0	2017 - March 2020	56.6	-0.6	No change	======	======	======	======	======	======
	Less than 100% of PL	2001-2004	49.1	2017 - March 2020	39.8	0.9	No change	======	400% of PL or more	56.6	39.8	38.7	Worse
	100%-199% of PL	2001-2004	34.5	2017 - March 2020	45.1	-1.3	No change	======			45.1	26.5	Same
	200%-399% of PL	2001-2004	40.5	2017 - March 2020	37.6	0.2	No change	======			37.6	43.8	Worse
Health insurance	Private	2005-2008	52.6	2017 - March 2020	49.0	0.7	No change	======	======	======	======	======	======

Measure Category: 4. Effectiveness of Care, Subcategory: 4. Diabetes

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
	Insured	2005-2008	52.2	2017 - March 2020	47.3	1.0	No change	======	Private	49.0	47.3	3.3	Same
	Public	2005-2008	50.4	2017 - March 2020	44.4	1.5	No change	======			44.4	9.0	Same
	Uninsured	2005-2008	57.6	2017 - March 2020	56.3	-0.1	No change	======			56.3	-14.3	Same
Age	40-59	2001-2004	51.3	2017 - March 2020	47.1	0.2	No change	======	======	======	======	======	======
	60 and over	2001-2004	34.1	2017 - March 2020	45.7	-1.2	Improving	======	40-59	47.1	45.7	2.6	Same
Gender	Male	2001-2004	46.9	2017 - March 2020	50.5	-0.4	No change	======	======	======	======	======	======
	Female	2001-2004	42.7	2017 - March 2020	41.6	-0.3	No change	======	Male	50.5	41.6	18.0	Same
Education	At least some college	2001-2004	46.2	2017 - March 2020	51.6	-0.6	No change	======	======	======	======	======	======
	Less than high school graduate	2001-2004	43.8	2017 - March 2020	42.9	-0.3	No change	======	At least some college	51.6	42.9	18.0	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
	High school graduate	2001-2004	44.4	2017 - March 2020	40.1	0.2	No change	======				40.1	23.8	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.4.10. Adjusted incident rates of end stage renal disease due to diabetes per million population

Source: USRDS

Benchmark: Not available

Data year for disparities analysis: 2020

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

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	2001	177.8	2020	167.8	-0.2	No change	======		======	======	======	======	======
Race	White	2001	133.3	2020	137.2	0.4	No change	======		======	======	======	======	======
	AI/AN	2001	526.0	2020	288.4	-3.5	Improving	======		White	137.2	288.4	110.2	Worse
	API	2001	210.3	2020	220.6	0.6	No change	======				220.6	60.8	Worse
	Black	2001	525.7	2020	377.2	-2.1	Improving	======				377.2	174.9	Worse
Ethnicity	Non-Hispanic, White	2001	114.5	2020	121.1	0.8	No change	======		======	======	======	======	======

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
	Hispanic, all races	2001	410.0	2020	288.6	-2.2	Improving	======	Non-Hispanic, White	121.1	288.6	138.3	Worse
	Non-Hispanic, all races	2001	164.3	2020	152.8	-0.2	No change	======			152.8	26.2	Worse
	Non-Hispanic, Black	2001	532.6	2020	434.4	-1.4	Improving	======			434.4	258.7	Worse
Age	18-44	2001	33.6	2020	44.7	1.6	Worsening	======	======	======	======	======	======
	45-64	2001	342.9	2020	293.8	-0.8	No change	======	18-44	44.7	293.8	557.3	Worse
	65-74	2001	746.5	2020	553.0	-1.4	Improving	======			553.0	1137.1	Worse
	75 and over	2001	614.1	2020	563.3	-0.4	No change	======			563.3	1160.2	Worse
Gender	Male	2001	194.2	2020	209.2	0.4	No change	======	======	======	======	======	======
	Female	2001	163.8	2020	132.2	-1.0	No change	======	Male	209.2	132.2	-36.8	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.4.11. Kidney failure due to diabetes among people with diabetes

Source: USRDS

Benchmark: Not available

Data year for disparities analysis: 2020

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

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	2282.1	2020	2393.6	0.7	No change	======	======	======	======	======	======
Race	White	2014	2033.4	2020	2183.1	1.3	Worsening	======	======	======	======	======	======
	AI/AN	2014	1728.9	2020	3032.0	9.2	Worsening	======	White	2183.1	3032.0	38.9	Worse
	API	2014	2854.4	2020	1343.4	-10.7	Improving	======			1343.4	-38.5	Better
	Black	2014	3531.3	2020	3449.9	0.2	No change	======			3449.9	58.0	Worse
Ethnicity	Non-Hispanic, White	2014	1840.9	2020	1912.7	0.9	No change	======	======	======	======	======	======
	Hispanic, all races	2014	2666.4	2020	2794.9	0.8	No change	======	Non-Hispanic, White	1912.7	2794.9	46.1	Worse
	Non-Hispanic, all races	2014	2209.6	2020	2305.6	0.8	No change	======			2305.6	20.5	Worse
	Non-Hispanic, Black	2014	3737.9	2020	3615.3	-0.1	No change	======			3615.3	89.0	Worse
Age	18-44	2014	1699.6	2020	1922.4	0.3	No change	======	======	======	======	======	======
	45-64	2014	2122.2	2020	2393.4	2.5	Worsening	======	18-44	1922.4	2393.4	24.5	Worse
	65-74	2014	2535.0	2020	2636.3	1.3	Worsening	======			2636.3	37.1	Worse
	75 and over	2014	2397.7	2020	2506.8	0.4	No change	======			2506.8	30.4	Worse
Gender	Male	2014	2593.5	2020	2716.8	0.8	No change	======	======	======	======	======	======
	Female	2014	1966.5	2020	2059.2	0.8	No change	======	Male	2716.8	2059.2	-24.2	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Measure Category: 4. Effectiveness of Care, Subcategory: 5. HIV/AIDS

Appendix Table 4.5.1. New AIDS cases per 100,000 population age 13 and over

Source: NHSS

Benchmark: 2.2 in 2015

Data year for disparities analysis: 2021

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

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	16.6	2021	5.7	-5.8	Improving	6 years	======	======	======	======	======
Race	White	2000	6.2	2021	2.2	-5.6	Improving	Reached	======	======	======	======	======
	AI/AN	2000	7.8	2021	4.3	-3.7	Improving	11 years	White	2.2	4.3	95.5	Worse
	Asian	2000	2.9	2021	1.7	-3.3	Improving	Reached			1.7	-22.7	Better
	NHPI	2003	11.6	2021	6.1	------	------	------			6.1	177.3	Worse
	Black	2000	66.8	2021	20.0	-6.2	Improving	7 years			20.0	809.1	Worse
	Multiple races	2000	91.3	2021	14.9	-9.4	Improving	3 years			14.9	577.3	Worse
Ethnicity	Non-Hispanic, White	2000	6.2	2021	2.2	-5.6	Improving	Reached	======	======	======	======	======
	Hispanic, all races	2000	29.3	2021	8.3	-6.8	Improving	6 years	Non-Hispanic, White	2.2	8.3	277.3	Worse
	Non-Hispanic, AI/AN	2000	7.8	2021	4.3	-3.7	Improving	11 years			4.3	95.5	Worse
	Non-Hispanic, Asian	2000	2.9	2021	1.7	-3.3	Improving	Reached			1.7	-22.7	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
	Non-Hispanic, NHPI	2003	11.6	2021	6.1	------	------	------				6.1	177.3	Worse
	Non-Hispanic, Black	2000	66.8	2021	20.0	-6.2	Improving	7 years				20.0	809.1	Worse
	Non-Hispanic, multiple races	2000	91.3	2021	14.9	-9.4	Improving	3 years				14.9	577.3	Worse
Age	35-44	2000	35.0	2021	9.4	-7.5	Improving	5 years		======	======	======	======	======
	13-24	2000	3.5	2021	2.0	-3.0	Improving	Reached		35-44	9.4	2.0	-78.7	Better
	25-34	2000	24.3	2021	9.8	-4.6	Improving	11 years				9.8	4.3	Same
	45-54	2000	20.9	2021	7.5	-5.4	Improving	7 years				7.5	-20.2	Better
	55 and over	2000	5.0	2021	3.5	-2.4	Improving	12 years				3.5	-62.8	Better
Gender	Male	2000	25.2	2021	9.0	-5.5	Improving	8 years		======	======	======	======	======
	Female	2000	8.5	2021	2.5	-6.5	Improving	1 years		Male	9.0	2.5	-72.2	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.5.2. New HIV cases per 100,000 population age 13 and over

Source: NHSS

Benchmark: 4.1 in 2015

Data year for disparities analysis: 2021

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

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	2008	18.7	2021	12.7	-3.0	Improving	19 years	======	======	======	======	======
Race	White	2008	7.2	2021	5.3	-2.7	Improving	8 years	======	======	======	======	======
	AI/AN	2008	7.5	2021	10.9	2.9	Worsening	No progress	White	5.3	10.9	105.7	Worse
	Asian	2008	5.7	2021	4.4	-1.9	Improving	No progress			4.4	-17.0	Better
	NHPI	2008	12.9	2021	14.8	0.8	No change	No progress			14.8	179.2	Worse
	Black	2008	70.5	2021	41.8	-3.9	Improving	18 years			41.8	688.7	Worse
	Multiple races	2008	95.3	2021	19.9	-11.3	Improving	3 years			19.9	275.5	Worse
Ethnicity	Non-Hispanic, White	2008	7.2	2021	5.3	-2.7	Improving	8 years	======	======	======	======	======
	Hispanic, all races	2008	28.7	2021	20.4	-2.6	Improving	More than 20 years	Non-Hispanic, White	5.3	20.4	284.9	Worse
	Non-Hispanic, AI/AN	2008	7.5	2021	10.9	2.9	Worsening	No progress			10.9	105.7	Worse
	Non-Hispanic, Asian	2008	5.7	2021	4.4	-1.9	Improving	No progress			4.4	-17.0	Better
	Non-Hispanic, NHPI	2008	12.9	2021	14.8	0.8	No change	No progress			14.8	179.2	Worse
	Non-Hispanic, Black	2008	70.5	2021	41.8	-3.9	Improving	18 years			41.8	688.7	Worse
	Non-Hispanic, multiple races	2008	95.3	2021	19.9	-11.3	Improving	3 years			19.9	275.5	Worse
Age	35-44	2008	29.6	2021	17.4	-4.4	Improving	14 years	======	======	======	======	======
	13-24	2008	16.7	2021	13.3	-2.1	Improving	More than 20 years	35-44	17.4	13.3	-23.6	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
	25-34	2008	30.4	2021	28.8	-0.3	No change	No progress			28.8	65.5	Worse
	45-54	2008	21.0	2021	10.9	-5.1	Improving	9 years			10.9	-37.4	Better
	55 and over	2008	5.7	2021	3.8	-3.2	Improving	Reached			3.8	-78.2	Better
Gender	Male	2008	29.0	2021	21.1	-2.6	Improving	More than 20 years	======	======	======	======	======
	Female	2008	8.8	2021	4.6	-4.8	Improving	2 years	Male	21.1	4.6	-78.2	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.5.3. People age 13 and over living with HIV who know their serostatus

Source: NHSS

Benchmark: 90.5 in 2015

Data year for disparities analysis: 2021

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

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	82.3	2021	87.3	-3.0	Improving	7 years	======	======	======	======	======
Race	White	2010	85.7	2021	89.1	-2.4	Improving	5 years	======	======	======	======	======
	AI/AN	2010	71.7	2021	80.1	-3.2	Improving	13 years	White	89.1	80.1	82.6	Worse
	Asian	2010	67.1	2021	88.7	-9.6	Improving	1 years			88.7	3.7	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
	NHPI	2010	68.6	2021	80.7	-4.2	Improving	9 years			80.7	77.1	Worse
	Black	2010	81.6	2021	87.3	-3.3	Improving	6 years			87.3	16.5	Worse
	Multiple races	2010	84.8	2021	89.6	-3.5	Improving	2 years			89.6	-4.6	Same
Ethnicity	Non-Hispanic, White	2010	85.7	2021	89.1	-2.4	Improving	5 years	======	======	======	======	======
	Hispanic, all races	2010	79.4	2021	84.9	-2.8	Improving	11 years	Non-Hispanic, White	89.1	84.9	38.5	Worse
	Non-Hispanic, AI/AN	2010	71.7	2021	80.1	-3.2	Improving	13 years			80.1	82.6	Worse
	Non-Hispanic, Asian	2010	67.1	2021	88.7	-9.6	Improving	1 years			88.7	3.7	Same
	Non-Hispanic, NHPI	2010	68.6	2021	80.7	-4.2	Improving	9 years			80.7	77.1	Worse
	Non-Hispanic, Black	2010	81.6	2021	87.3	-3.3	Improving	6 years			87.3	16.5	Worse
	Non-Hispanic, multiple races	2010	84.8	2021	89.6	-3.5	Improving	2 years			89.6	-4.6	Same
Age	35-44	2010	85.9	2021	84.8	0.8	No change	No progress	======	======	======	======	======
	13-24	2010	34.5	2021	56.4	-3.3	Improving	19 years	35-44	84.8	56.4	186.8	Worse
	25-34	2010	72.1	2021	72.3	0.1	No change	No progress			72.3	82.2	Worse
	45-54	2010	91.5	2021	92.4	-1.0	No change	Reached			92.4	-50.0	Better
	55 and over	2010	93.1	2021	95.8	-4.4	Improving	Reached			95.8	-72.4	Better
Gender	Male	2010	81.2	2021	86.5	-3.0	Improving	8 years	======	======	======	======	======
	Female	2010	86.1	2021	90.2	-3.1	Improving	1 years	Male	86.5	90.2	-27.4	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.5.4. 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: NHSS

Benchmark: 87.8 in 2015

Data year for disparities analysis: 2021

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

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	2017	75.3	2021	75.3	0.6	No change	No progress	======	======	======	======	======
Race	White	2017	79.1	2021	78.8	1.0	No change	No progress	======	======	======	======	======
	AI/AN	2017	75.5	2021	75.3	0.6	No change	No progress	White	78.8	75.3	16.5	Worse
	Asian	2017	75.0	2021	74.5	1.1	No change	No progress			74.5	20.3	Worse
	NHPI	2017	75.1	2021	72.7	3.1	Worsening	No progress			72.7	28.8	Worse
	Black	2017	72.9	2021	73.4	0.2	No change	No progress			73.4	25.5	Worse
	Multiple races	2017	85.8	2021	85.5	2.1	No change	No progress			85.5	-31.6	Better
Ethnicity	Non-Hispanic, White	2017	79.1	2021	78.8	1.0	No change	No progress	======	======	======	======	======
	Hispanic, all races	2017	72.8	2021	72.4	0.9	No change	No progress	Non-Hispanic, White	78.8	72.4	30.2	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
	Non-Hispanic, AI/AN	2017	75.5	2021	75.3	0.6	No change	No progress				75.3	16.5	Worse
	Non-Hispanic, Asian	2017	75.0	2021	74.5	1.1	No change	No progress				74.5	20.3	Worse
	Non-Hispanic, NHPI	2017	75.1	2021	72.7	3.1	Worsening	No progress				72.7	28.8	Worse
	Non-Hispanic, Black	2017	72.9	2021	73.4	0.2	No change	No progress				73.4	25.5	Worse
	Non-Hispanic, multiple races	2017	85.8	2021	85.5	2.1	No change	No progress				85.5	-31.6	Better
Age	35-44	2017	74.4	2021	75.0	0.1	No change	No progress		======	======	======	======	======
	13-24	2017	77.2	2021	79.6	-1.8	No change	No progress		35-44	75.0	79.6	-18.4	Better
	25-34	2017	75.6	2021	77.1	-0.8	No change	No progress				77.1	-8.4	Same
	45-54	2017	76.3	2021	75.4	1.6	No change	No progress				75.4	-1.6	Same
	55 and over	2017	74.6	2021	74.4	0.7	No change	No progress				74.4	2.4	Same
Gender	Male	2017	75.4	2021	75.5	0.6	No change	No progress		======	======	======	======	======
	Female	2017	75.2	2021	74.8	1.1	No change	No progress		Male	75.5	74.8	2.9	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.5.5. 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: NHSS

Benchmark: 76.1 in 2015

Data year for disparities analysis: 2021

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

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	2017	63.1	2021	65.9	-1.5	Improving	No progress	======	======	======	======	======
Race	White	2017	70.0	2021	71.7	-1.0	No change	No progress	======	======	======	======	======
	AI/AN	2017	63.0	2021	63.8	0.2	No change	No progress	White	71.7	63.8	27.9	Worse
	Asian	2017	68.7	2021	69.9	-0.3	No change	No progress			69.9	6.4	Same
	NHPI	2017	65.6	2021	63.4	1.5	Worsening	No progress			63.4	29.3	Worse
	Black	2017	57.7	2021	61.6	-2.0	Improving	17 years			61.6	35.7	Worse
	Multiple races	2017	70.0	2021	73.5	-2.3	No change	No progress			73.5	-6.4	Same
Ethnicity	Non-Hispanic, White	2017	70.0	2021	71.7	-1.0	No change	No progress	======	======	======	======	======
	Hispanic, all races	2017	62.5	2021	64.3	-0.8	No change	No progress	Non-Hispanic, White	71.7	64.3	26.1	Worse
	Non-Hispanic, AI/AN	2017	63.0	2021	63.8	0.2	No change	No progress			63.8	27.9	Worse
	Non-Hispanic, Asian	2017	68.7	2021	69.9	-0.3	No change	No progress			69.9	6.4	Same
	Non-Hispanic, NHPI	2017	65.6	2021	63.4	1.5	Worsening	No progress			63.4	29.3	Worse
	Non-Hispanic, Black	2017	57.7	2021	61.6	-2.0	Improving	17 years			61.6	35.7	Worse
	Non-Hispanic, multiple races	2017	70.0	2021	73.5	-2.3	No change	No progress			73.5	-6.4	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	35-44	2017	60.6	2021	63.9	-1.7	Improving	No progress	======	======	======	======	======
	13-24	2017	57.1	2021	65.1	-4.8	Improving	6 years	35-44	63.9	65.1	-3.3	Same
	25-34	2017	58.5	2021	63.8	-3.0	Improving	10 years			63.8	0.3	Same
	45-54	2017	65.1	2021	66.4	-0.6	No change	No progress			66.4	-6.9	Same
	55 and over	2017	65.9	2021	67.5	-0.7	No change	No progress			67.5	-10.0	Same
Gender	Male	2017	63.8	2021	66.3	-1.4	No change	No progress	======	======	======	======	======
	Female	2017	61.1	2021	64.5	-1.9	Improving	No progress	Male	66.3	64.5	5.3	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.5.6. HIV infection deaths per 100,000 population

Source: NVSS_M

Benchmark: 0.8 in 2015

Data year for disparities analysis: 2021

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

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	5.2	2021	1.3	-7.0	Improving	3 years	======	======	======	======	======
Race	White	2018	0.9	2021	0.8	-3.5	No change	No progress	======	======	======	======	======

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
	AI/AN	2018	1.1	2021	1.0	-0.6	No change	No progress	White	0.8	1.0	25.0	Same
	Asian	2018	0.3	2021	0.3	-4.0	No change	No progress			0.3	-62.5	Better
	Black	2018	6.2	2021	5.3	-4.4	Improving	No progress			5.3	562.5	Worse
	Multiple races	2020	0.6	2021	0.6	------	------	------			0.6	-25.0	Better
Ethnicity	Non-Hispanic, White	2018	0.7	2021	0.6	-3.0	No change	No progress	======	======	======	======	======
	Hispanic, all races	2018	1.4	2021	1.4	-0.7	No change	No progress	Non-Hispanic, White	0.6	1.4	133.3	Worse
	Non-Hispanic, all races	2018	1.5	2021	1.4	-2.0	No change	No progress			1.4	133.3	Worse
	Non-Hispanic, AI/AN	2020	1.4	2021	1.5	------	------	------			1.5	150.0	Worse
	Non-Hispanic, Asian	2020	0.2	2021	0.3	------	------	------			0.3	-50.0	Better
	Non-Hispanic, Black	2018	6.5	2021	5.5	-4.7	Improving	No progress			5.5	816.7	Worse
	Non-Hispanic, multiple races	2020	0.7	2021	0.7	------	------	------			0.7	16.7	Same
Metropolitan status	Large fringe metro	2013	1.4	2021	0.9	-5.1	Improving	3 years	======	======	======	======	======
	Metropolitan	2013	2.3	2021	1.4	-6.0	Improving	6 years	Large fringe metro	0.9	1.4	55.6	Worse
	Large central metro	2013	3.6	2021	2.0	-7.6	Improving	6 years			2.0	122.2	Worse
	Medium metro	2013	1.8	2021	1.3	-5.2	Improving	7 years			1.3	44.4	Worse

Measure Category: 4. Effectiveness of Care, Subcategory: 5. HIV/AIDS

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
	Small metro	2013	1.4	2021	1.0	-3.6	Improving	6 years			1.0	11.1	Same
	Micropolitan	2013	1.4	2021	1.0	-4.9	Improving	4 years			1.0	11.1	Same
	Noncore	2013	1.2	2021	1.0	-3.5	Improving	7 years			1.0	11.1	Same
Age	0-17	2000	0.1	2006	0.1	0.0	No change	Reached	------	------	------	------	------
	18-44	2000	7.6	2021	1.1	-10.4	Improving	1 years	======	======	======	======	======
	45-64	2000	8.7	2021	3.1	-5.3	Improving	8 years	18-44	1.1	3.1	181.8	Worse
	65 and over	2000	1.4	2021	1.9	1.7	Worsening	No progress			1.9	72.7	Worse
Gender	Male	2000	7.9	2021	2.1	-6.9	Improving	4 years	======	======	======	======	======
	Female	2000	2.5	2021	0.6	-7.2	Improving	Reached	Male	2.1	0.6	-71.4	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.5.7. Adolescents and adults ages 16-64 with HIV testing

Source: NHANES

Benchmark: Not available

Data year for disparities analysis: 2017 - March 2020

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

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	2001-2004	37.5	2017 - March 2020	45.8	-0.6	No change	======	======	======	======	======	======
Race	White	2001-2004	36.3	2017 - March 2020	42.8	-0.4	No change	======	======	======	======	======	======
	Asian	2013-2016	24.9	2017 - March 2020	25.1	------	------	======	White	42.8	25.1	30.9	Worse
	Black	2001-2004	51.9	2017 - March 2020	66.0	-1.9	Improving	======			66.0	-40.6	Better
Ethnicity	Non-Hispanic, White	2001-2004	36.3	2017 - March 2020	42.8	-0.4	No change	======	======	======	======	======	======
	Hispanic, all races	2009-2012	36.1	2017 - March 2020	47.3	------	------	======	Non-Hispanic, White	42.8	47.3	-7.9	Same
	Mexican American	2001-2004	32.9	2017 - March 2020	40.0	-0.4	No change	======			40.0	4.9	Same
	Non-Hispanic, all races	2009-2012	41.3	2017 - March 2020	45.5	------	------	======			45.5	-4.7	Same
	Non-Hispanic, Asian	2013-2016	24.9	2017 - March 2020	25.1	------	------	======			25.1	30.9	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
	Non-Hispanic, Black	2001-2004	51.9	2017 - March 2020	66.0	-1.9	Improving	======				66.0	-40.6	Better
Income	400% of PL or more	2001-2004	35.2	2017 - March 2020	44.6	-0.6	No change	======		======	======	======	======	======
	Less than 100% of PL	2001-2004	42.0	2017 - March 2020	50.0	-0.6	No change	======		400% of PL or more	44.6	50.0	-9.7	Same
	100%-199% of PL	2001-2004	40.8	2017 - March 2020	46.3	-0.4	No change	======				46.3	-3.1	Same
	200%-399% of PL	2001-2004	36.9	2017 - March 2020	46.1	-0.7	No change	======				46.1	-2.7	Same
Health insurance	Private	2017 - March 2020	45.4	2017 - March 2020	45.4	------	------	======		======	======	======	======	======
	Public	2017 - March 2020	59.0	2017 - March 2020	59.0	------	------	======		Private	45.4	59.0	-24.9	Better
	Uninsured	2017 - March 2020	46.0	2017 - March 2020	46.0	------	------	======				46.0	-1.1	Same
Age	20-44	2001-2004	47.9	2017 - March 2020	52.9	-0.3	No change	======		======	======	======	======	======

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
	16-19	2001-2004	15.6	2017 - March 2020	15.3	0.1	No change	======	20-44	52.9	15.3	79.8	Worse
	45-64	2001-2004	27.3	2017 - March 2020	43.0	-1.3	Improving	======			43.0	21.0	Worse
Gender	Male	2001-2004	35.2	2017 - March 2020	41.3	-0.4	No change	======	======	======	======	======	======
	Female	2001-2004	39.9	2017 - March 2020	50.3	-0.9	No change	======	Male	41.3	50.3	-15.3	Better
Education	At least some college	2001-2004	41.8	2017 - March 2020	52.6	-0.9	No change	======	======	======	======	======	======
	Less than high school graduate	2001-2004	37.3	2017 - March 2020	45.3	-0.6	No change	======	At least some college	52.6	45.3	15.4	Worse
	High school graduate	2001-2004	38.8	2017 - March 2020	48.0	-0.9	No change	======			48.0	9.7	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Measure Category: 4. Effectiveness of Care, Subcategory: 6. Mental Health and Substance Use Disorder

Appendix Table 4.6.1. Adults with a major depressive episode in the past year who received treatment for depression in the past year

Source: NSDUH

Benchmark: Not available

Data year for disparities analysis: 2021

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

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	2021	61.1	2021	61.1	------	------	======	======	======	======	======	======
Race	White	2021	63.3	2021	63.3	------	------	======	======	======	======	======	======
	Black	2021	52.4	2021	52.4	------	------	======	White	63.3	52.4	29.7	Worse
	Multiple races	2021	57.7	2021	57.7	------	------	======			57.7	15.3	Same
Ethnicity	Non-Hispanic, White	2021	64.1	2021	64.1	------	------	======	======	======	======	======	======
	Hispanic, all races	2021	58.7	2021	58.7	------	------	======	Non-Hispanic, White	64.1	58.7	15.0	Same
	Non-Hispanic, all races	2021	61.5	2021	61.5	------	------	======			61.5	7.2	Same
	Non-Hispanic, Black	2021	50.5	2021	50.5	------	------	======			50.5	37.9	Worse
Income	400% of PL or more	2021	63.7	2021	63.7	------	------	======	======	======	======	======	======
	Less than 100% of PL	2021	62.6	2021	62.6	------	------	======	400% of PL or more	63.7	62.6	3.0	Same
	100%-199% of PL	2021	60.0	2021	60.0	------	------	======			60.0	10.2	Same
	200%-399% of PL	2021	58.5	2021	58.5	------	------	======			58.5	14.3	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
Metropolitan status	Large fringe metro	2021	62.1	2021	62.1	------	------	======	======	======	======	======	======
	Metropolitan	2021	60.9	2021	60.9	------	------	======	Large fringe metro	62.1	60.9	3.2	Same
	Large central metro	2021	60.4	2021	60.4	------	------	======			60.4	4.5	Same
	Medium metro	2021	62.5	2021	62.5	------	------	======			62.5	-1.1	Same
	Small metro	2021	56.3	2021	56.3	------	------	======			56.3	15.3	Same
	Nonmetropolitan	2021	62.5	2021	62.5	------	------	======			62.5	-1.1	Same
	Micropolitan	2021	61.2	2021	61.2	------	------	======			61.2	2.4	Same
	Noncore	2021	64.9	2021	64.9	------	------	======			64.9	-7.4	Same
Age	18-44	2021	57.5	2021	57.5	------	------	======	======	======	======	======	======
	45-64	2021	68.4	2021	68.4	------	------	======	18-44	57.5	68.4	-25.6	Better
Gender	Male	2021	54.3	2021	54.3	------	------	======	======	======	======	======	======
	Female	2021	65.0	2021	65.0	------	------	======	Male	54.3	65.0	-23.4	Better
Education	At least some college	2021	64.0	2021	64.0	------	------	======	======	======	======	======	======
	Less than high school graduate	2021	54.2	2021	54.2	------	------	======	At least some college	64.0	54.2	27.2	Same
	High school graduate	2021	54.7	2021	54.7	------	------	======			54.7	25.8	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.2. Children ages 12-17 with a major depressive episode in the past year who received treatment for depression in the past year

Source: NSDUH

Benchmark: Not available

Data year for disparities analysis: 2021

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

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	2021	40.6	2021	40.6	------	------	======	======	======	======	======	======
Race	White	2021	42.2	2021	42.2	------	------	======	======	======	======	======	======
	Black	2021	40.9	2021	40.9	------	------	======	White	42.2	40.9	2.2	Same
Ethnicity	Non-Hispanic, White	2021	47.4	2021	47.4	------	------	======	======	======	======	======	======
	Hispanic, all races	2021	30.2	2021	30.2	------	------	======	Non-Hispanic, White	47.4	30.2	32.7	Worse
	Non-Hispanic, all races	2021	44.6	2021	44.6	------	------	======			44.6	5.3	Same
	Non-Hispanic, Black	2021	41.2	2021	41.2	------	------	======			41.2	11.8	Same
Income	400% of PL or more	2021	46.4	2021	46.4	------	------	======	======	======	======	======	======
	Less than 100% of PL	2021	35.8	2021	35.8	------	------	======	400% of PL or more	46.4	35.8	19.8	Worse
	100%-199% of PL	2021	37.7	2021	37.7	------	------	======			37.7	16.2	Same
	200%-399% of PL	2021	39.0	2021	39.0	------	------	======			39.0	13.8	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
Metropolitan status	Large fringe metro	2021	43.6	2021	43.6	------	------	======	======	======	======	======	======
	Metropolitan	2021	40.6	2021	40.6	------	------	======	Large fringe metro	43.6	40.6	5.3	Same
	Large central metro	2021	38.4	2021	38.4	------	------	======			38.4	9.2	Same
	Medium metro	2021	37.1	2021	37.1	------	------	======			37.1	11.5	Same
	Small metro	2021	45.0	2021	45.0	------	------	======			45.0	-2.5	Same
	Nonmetropolitan	2021	40.3	2021	40.3	------	------	======			40.3	5.9	Same
	Micropolitan	2021	39.8	2021	39.8	------	------	======			39.8	6.7	Same
	Noncore	2021	41.3	2021	41.3	------	------	======			41.3	4.1	Same
Age	12-13	2021	34.0	2021	34.0	------	------	======	======	======	======	======	======
	14-15	2021	42.2	2021	42.2	------	------	======	12-13	34.0	42.2	-12.4	Same
	16-17	2021	42.5	2021	42.5	------	------	======			42.5	-12.9	Better
Gender	Male	2021	37.8	2021	37.8	------	------	======	======	======	======	======	======
	Female	2021	41.7	2021	41.7	------	------	======	Male	37.8	41.7	-6.3	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.3. Suicide deaths among people age 12 and over per 100,000 population

Source: NVSS_M

Benchmark: 9.4 in 2015

Data year for disparities analysis: 2021

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

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	2008	14.0	2021	16.9	1.5	Worsening	No progress	======	======	======	======	======
Race	White	2018	19.5	2021	18.9	-1.3	No change	No progress	======	======	======	======	======
	AI/AN	2018	16.3	2021	20.1	7.1	Worsening	No progress	White	18.9	20.1	6.3	Same
	Asian	2018	8.0	2021	8.1	0.0	No change	No progress			8.1	-57.1	Better
	NHPI	2018	11.7	2021	12.6	1.2	No change	No progress			12.6	-33.3	Better
	Black	2018	8.5	2021	10.0	5.5	Worsening	No progress			10.0	-47.1	Better
	Multiple races	2020	10.5	2021	10.3	------	------	------			10.3	-45.5	Better
Ethnicity	Non-Hispanic, White	2018	21.9	2021	21.0	-1.7	No change	No progress	======	======	======	======	======
	Hispanic, all races	2018	8.9	2021	9.5	2.3	No change	No progress	Non-Hispanic, White	21.0	9.5	-54.8	Better
	Non-Hispanic, all races	2018	18.8	2021	18.5	-0.9	No change	No progress			18.5	-11.9	Better
	Non-Hispanic, AI/AN	2020	28.7	2021	33.7	------	------	------			33.7	60.5	Worse
	Non-Hispanic, Asian	2020	8.3	2021	8.9	------	------	------			8.9	-57.6	Better
	Non-Hispanic, NHPI	2020	16.0	2021	16.5	------	------	------			16.5	-21.4	Better
	Non-Hispanic, Black	2018	8.7	2021	10.5	6.2	Worsening	No progress			10.5	-50.0	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
	Non-Hispanic, multiple races	2020	12.2	2021	12.4	------	------	------			12.4	-41.0	Better
Metropolitan status	Large fringe metro	2013	13.6	2021	15.6	2.7	Worsening	No progress	======	======	======	======	======
	Metropolitan	2013	14.3	2021	16.5	7.2	No change	No progress	Large fringe metro	15.6	16.5	5.8	Same
	Large central metro	2013	12.5	2021	14.0	2.5	Worsening	No progress			14.0	-10.3	Better
	Medium metro	2013	16.5	2021	19.2	6.3	No change	No progress			19.2	23.1	Worse
	Small metro	2013	17.9	2021	21.9	3.4	Worsening	No progress			21.9	40.4	Worse
	Micropolitan	2013	19.4	2021	23.9	4.9	Worsening	No progress			23.9	53.2	Worse
	Noncore	2013	21.4	2021	27.2	-10.3	No change	No progress			27.2	74.4	Worse
Age	18-44	2008	13.8	2021	18.6	2.4	Worsening	No progress	======	======	======	======	======
	12-17	2008	3.7	2021	6.5	5.2	Worsening	Reached, getting worse	18-44	18.6	6.5	-65.1	Better
	45-64	2008	17.5	2021	17.6	0.2	No change	No progress			17.6	-5.4	Same
	65 and over	2008	14.8	2021	17.3	1.3	Worsening	No progress			17.3	-7.0	Same
Gender	Male	2008	23.0	2021	27.5	1.4	Worsening	No progress	======	======	======	======	======
	Female	2008	5.7	2021	6.9	1.7	Worsening	Reached, getting worse	Male	27.5	6.9	-74.9	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.4. Long-stay nursing home residents with depression symptoms

Source: MDS

Benchmark: 1.1 in 2015

Data year for disparities analysis: 2021

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

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	6.1	2021	7.8	3.2	No change	No progress	======	======	======	======	======
Race	White	2013	6.2	2021	7.5	2.6	No change	No progress	======	======	======	======	======
	AI/AN	2013	4.8	2021	4.2	-1.9	No change	No progress	White	7.5	4.2	-44.1	Better
	Asian	2013	4.6	2021	9.0	7.5	Worsening	No progress			9.0	20.2	Worse
	NHPI	2013	4.1	2021	7.2	5.1	No change	No progress			7.2	-3.4	Same
	Black	2013	6.1	2021	9.2	5.5	No change	No progress			9.2	23.5	Worse
	Multiple races	2013	6.5	2021	4.8	-4.3	Improving	16 years			4.8	-35.4	Better
Ethnicity	Non-Hispanic, White	2013	6.2	2021	7.5	2.6	No change	No progress	======	======	======	======	======
	Hispanic, all races	2013	5.9	2021	8.0	3.2	No change	No progress	Non-Hispanic, White	7.5	8.0	7.8	Same
	Non-Hispanic, AI/AN	2013	4.8	2021	4.2	-1.9	No change	No progress			4.2	-44.1	Better
	Non-Hispanic, Asian	2013	4.6	2021	9.0	7.5	Worsening	No progress			9.0	20.2	Worse
	Non-Hispanic, NHPI	2013	4.1	2021	7.2	5.1	No change	No progress			7.2	-3.4	Same
	Non-Hispanic, Black	2013	6.1	2021	9.2	5.5	No change	No progress			9.2	23.5	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
	Non-Hispanic, multiple races	2013	6.5	2021	4.8	-4.3	Improving	16 years				4.8	-35.4	Better
Metropolitan status	Metropolitan	2013	6.1	2021	8.3	4.0	No change	No progress		======	======	======	======	======
	Non-Metropolitan	2013	6.1	2021	6.0	-0.1	No change	No progress		Metropolitan	8.3	6.0	-28.2	Better
Age	0-64	2013	7.4	2021	10.5	4.8	Worsening	No progress		======	======	======	======	======
	65-74	2013	6.7	2021	9.1	4.2	No change	No progress		0-64	10.5	9.1	-14.0	Better
	75-84	2013	5.9	2021	7.3	2.7	No change	No progress				7.3	-30.6	Better
	85 and over	2013	5.6	2021	5.9	0.5	No change	No progress				5.9	-44.4	Better
Gender	Male	2013	6.2	2021	8.3	4.0	No change	No progress		======	======	======	======	======
	Female	2013	6.1	2021	7.5	2.7	No change	No progress		Male	8.3	7.5	-9.5	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.5. Short-stay nursing home patients given antipsychotic medication

Source: MDS

Benchmark: Not available

Data year for disparities analysis: 2021

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

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	2019	12.3	2021	12.7	------	------	======	======	======	======	======	======
Race	White	2019	12.8	2021	13.3	------	------	======	======	======	======	======	======
	AI/AN	2019	11.5	2021	13.1	------	------	======	White	13.3	13.1	-1.5	Same
	Asian	2019	7.5	2021	8.1	------	------	======			8.1	-39.1	Better
	NHPI	2019	10.5	2021	10.3	------	------	======			10.3	-22.6	Better
	Black	2019	10.7	2021	11.1	------	------	======			11.1	-16.5	Better
	Multiple races	2019	9.2	2021	8.3	------	------	======			8.3	-37.6	Better
Ethnicity	Non-Hispanic, White	2019	12.8	2021	13.3	------	------	======	======	======	======	======	======
	Hispanic, all races	2019	12.2	2021	11.9	------	------	======	Non-Hispanic, White	13.3	11.9	-10.5	Better
	Non-Hispanic, AI/AN	2019	11.5	2021	13.1	------	------	======			13.1	-1.5	Same
	Non-Hispanic, Asian	2019	7.5	2021	8.1	------	------	======			8.1	-39.1	Better
	Non-Hispanic, NHPI	2019	10.5	2021	10.3	------	------	======			10.3	-22.6	Better
	Non-Hispanic, Black	2019	10.7	2021	11.1	------	------	======			11.1	-16.5	Better
	Non-Hispanic, multiple races	2019	9.2	2021	8.3	------	------	======			8.3	-37.6	Better
Metropolitan status	Metropolitan	2019	12.0	2021	12.3	------	------	======	======	======	======	======	======
	Non-Metropolitan	2019	13.9	2021	14.7	------	------	======	Metropolitan	12.3	14.7	19.5	Worse
Age	0-64	2019	15.5	2021	16.1	------	------	======	======	======	======	======	======
	65-74	2019	13.2	2021	13.4	------	------	======	0-64	16.1	13.4	-16.8	Better
	75-84	2019	12.7	2021	12.8	------	------	======			12.8	-20.5	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
	85 and over	2019	10.0	2021	10.3	------	------	======			10.3	-36.0	Better
Gender	Male	2019	12.4	2021	12.7	------	------	======	======	======	======	======	======
	Female	2019	12.3	2021	12.8	------	------	======	Male	12.7	12.8	0.8	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.6. Long-stay nursing home patients given antipsychotic medication

Source: MDS

Benchmark: Not available

Data year for disparities analysis: 2021

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

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	2019	13.2	2021	13.5	------	------	======	======	======	======	======	======
Race	White	2019	14.1	2021	14.6	------	------	======	======	======	======	======	======
	AI/AN	2019	14.4	2021	15.4	------	------	======	White	14.6	15.4	5.5	Same
	Asian	2019	6.7	2021	7.4	------	------	======			7.4	-49.3	Better
	NHPI	2019	8.4	2021	10.1	------	------	======			10.1	-30.8	Better
	Black	2019	10.2	2021	9.9	------	------	======			9.9	-32.2	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
	Multiple races	2019	10.6	2021	8.9	------	------	======			8.9	-39.0	Better
Ethnicity	Non-Hispanic, White	2019	14.1	2021	14.6	------	------	======	======	======	======	======	======
	Hispanic, all races	2019	12.2	2021	11.6	------	------	======	Non-Hispanic, White	14.6	11.6	-20.5	Better
	Non-Hispanic, AI/AN	2019	14.4	2021	15.4	------	------	======			15.4	5.5	Same
	Non-Hispanic, Asian	2019	6.7	2021	7.4	------	------	======			7.4	-49.3	Better
	Non-Hispanic, NHPI	2019	8.4	2021	10.1	------	------	======			10.1	-30.8	Better
	Non-Hispanic, Black	2019	10.2	2021	9.9	------	------	======			9.9	-32.2	Better
	Non-Hispanic, multiple races	2019	10.6	2021	8.9	------	------	======			8.9	-39.0	Better
Metropolitan status	Metropolitan	2019	12.8	2021	12.8	------	------	======	======	======	======	======	======
	Non-Metropolitan	2019	14.6	2021	15.9	------	------	======	Metropolitan	12.8	15.9	24.2	Worse
Age	0-64	2019	16.9	2021	16.3	------	------	======	======	======	======	======	======
	65-74	2019	15.5	2021	15.2	------	------	======	0-64	16.3	15.2	-6.7	Same
	75-84	2019	14.6	2021	14.5	------	------	======			14.5	-11.0	Better
	85 and over	2019	10.4	2021	10.8	------	------	======			10.8	-33.7	Better
Gender	Male	2019	13.8	2021	13.6	------	------	======	======	======	======	======	======
	Female	2019	13.0	2021	13.5	------	------	======	Male	13.6	13.5	-0.7	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.7. 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 past year

Source: NSDUH

Benchmark: Not available

Data year for disparities analysis: 2021

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

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	2021	6.8	2021	6.8	------	------	======	======	======	======	======	======
Race	White	2021	6.9	2021	6.9	------	------	======	======	======	======	======	======
	Black	2021	6.8	2021	6.8	------	------	======	White	6.9	6.8	0.1	Same
	Multiple races	2021	7.5	2021	7.5	------	------	======			7.5	-0.6	Same
Ethnicity	Non-Hispanic, White	2021	7.4	2021	7.4	------	------	======	======	======	======	======	======
	Hispanic, all races	2021	3.9	2021	3.9	------	------	======	Non-Hispanic, White	7.4	3.9	3.8	Same
	Non-Hispanic, all races	2021	7.4	2021	7.4	------	------	======			7.4	0.0	Same
	Non-Hispanic, Black	2021	7.2	2021	7.2	------	------	======			7.2	0.2	Same
Income	400% of PL or more	2021	2.9	2021	2.9	------	------	======	======	======	======	======	======
	Less than 100% of PL	2021	12.3	2021	12.3	------	------	======	400% of PL or more	2.9	12.3	-9.7	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
	100%-199% of PL	2021	8.3	2021	8.3	------	------	======			8.3	-5.6	Same
	200%-399% of PL	2021	6.3	2021	6.3	------	------	======			6.3	-3.5	Same
Metropolitan status	Large fringe metro	2021	7.4	2021	7.4	------	------	======	======	======	======	======	======
	Metropolitan	2021	6.2	2021	6.2	------	------	======	Large fringe metro	7.4	6.2	1.3	Same
	Large central metro	2021	5.1	2021	5.1	------	------	======			5.1	2.5	Same
	Medium metro	2021	6.7	2021	6.7	------	------	======			6.7	0.8	Same
	Small metro	2021	6.1	2021	6.1	------	------	======			6.1	1.4	Same
	Nonmetropolitan	2021	10.3	2021	10.3	------	------	======			10.3	-3.1	Same
	Micropolitan	2021	9.2	2021	9.2	------	------	======			9.2	-1.9	Same
	Noncore	2021	11.9	2021	11.9	------	------	======			11.9	-4.9	Same
Age	18-44	2021	7.1	2021	7.1	------	------	======	======	======	======	======	======
	12-17	2021	2.8	2021	2.8	------	------	======	18-44	7.1	2.8	4.6	Same
	45-64	2021	7.3	2021	7.3	------	------	======			7.3	-0.2	Same
Gender	Male	2021	7.1	2021	7.1	------	------	======	======	======	======	======	======
	Female	2021	6.4	2021	6.4	------	------	======	Male	7.1	6.4	0.8	Same
Education	At least some college	2021	5.1	2021	5.1	------	------	======	======	======	======	======	======
	Less than high school graduate	2021	11.4	2021	11.4	------	------	======	At least some college	5.1	11.4	-6.6	Same
	High school graduate	2021	9.1	2021	9.1	------	------	======			9.1	-4.2	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.8. People age 12 and over who needed treatment for illicit drug use who received such treatment at a specialty facility in the past year

Source: NSDUH

Benchmark: Not available

Data year for disparities analysis: 2021

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

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	2021	8.4	2021	8.4	------	------	======	======	======	======	======	======
Race	White	2021	8.9	2021	8.9	------	------	======	======	======	======	======	======
	Black	2021	6.8	2021	6.8	------	------	======	White	8.9	6.8	2.3	Same
Ethnicity	Non-Hispanic, White	2021	10.3	2021	10.3	------	------	======	======	======	======	======	======
	Hispanic, all races	2021	3.3	2021	3.3	------	------	======	Non-Hispanic, White	10.3	3.3	7.8	Same
	Non-Hispanic, all races	2021	9.5	2021	9.5	------	------	======			9.5	0.9	Same
	Non-Hispanic, Black	2021	7.3	2021	7.3	------	------	======			7.3	3.3	Same
Income	400% of PL or more	2021	2.6	2021	2.6	------	------	======	======	======	======	======	======

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
	Less than 100% of PL	2021	14.7	2021	14.7	------	------	======	400% of PL or more	2.6	14.7	-12.4	Better
	100%-199% of PL	2021	9.0	2021	9.0	------	------	======			9.0	-6.6	Same
	200%-399% of PL	2021	7.2	2021	7.2	------	------	======			7.2	-4.7	Same
Metropolitan status	Large fringe metro	2021	9.2	2021	9.2	------	------	======	======	======	======	======	======
	Metropolitan	2021	7.8	2021	7.8	------	------	======	Large fringe metro	9.2	7.8	1.5	Same
	Large central metro	2021	6.9	2021	6.9	------	------	======			6.9	2.5	Same
	Medium metro	2021	8.3	2021	8.3	------	------	======			8.3	1.0	Same
	Small metro	2021	7.0	2021	7.0	------	------	======			7.0	2.4	Same
	Nonmetropolitan	2021	11.8	2021	11.8	------	------	======			11.8	-2.9	Same
	Micropolitan	2021	11.3	2021	11.3	------	------	======			11.3	-2.3	Same
	Noncore	2021	12.5	2021	12.5	------	------	======			12.5	-3.6	Same
Age	18-44	2021	8.1	2021	8.1	------	------	======	======	======	======	======	======
	45-64	2021	9.8	2021	9.8	------	------	======	18-44	8.1	9.8	-1.8	Same
Gender	Male	2021	8.1	2021	8.1	------	------	======	======	======	======	======	======
	Female	2021	8.8	2021	8.8	------	------	======	Male	8.1	8.8	-0.8	Same
Education	At least some college	2021	6.3	2021	6.3	------	------	======	======	======	======	======	======
	Less than high school graduate	2021	15.2	2021	15.2	------	------	======	At least some college	6.3	15.2	-9.5	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
	High school graduate	2021	10.2	2021	10.2	------	------	======				10.2	-4.2	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.9. People age 12 and over who needed treatment for an alcohol problem who received such treatment at a specialty facility in the past year

Source: NSDUH

Benchmark: Not available

Data year for disparities analysis: 2021

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

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	2021	4.7	2021	4.7	------	------	======		======	======	======	======	======
Race	White	2021	4.3	2021	4.3	------	------	======		======	======	======	======	======
	Black	2021	7.4	2021	7.4	------	------	======		White	4.3	7.4	-3.2	Same
Ethnicity	Non-Hispanic, White	2021	4.7	2021	4.7	------	------	======		======	======	======	======	======
	Non-Hispanic, all races	2021	5.2	2021	5.2	------	------	======		Non-Hispanic, White	4.7	5.2	-0.5	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
	Non-Hispanic, Black	2021	7.8	2021	7.8	------	------	======			7.8	-3.3	Same
Income	400% of PL or more	2021	2.8	2021	2.8	------	------	======	======	======	======	======	======
	Less than 100% of PL	2021	8.1	2021	8.1	------	------	======	400% of PL or more	2.8	8.1	-5.5	Same
	100%-199% of PL	2021	5.9	2021	5.9	------	------	======			5.9	-3.2	Same
	200%-399% of PL	2021	4.5	2021	4.5	------	------	======			4.5	-1.7	Same
Metropolitan status	Large fringe metro	2021	5.5	2021	5.5	------	------	======	======	======	======	======	======
	Metropolitan	2021	4.4	2021	4.4	------	------	======	Large fringe metro	5.5	4.4	1.2	Same
	Large central metro	2021	4.0	2021	4.0	------	------	======			4.0	1.6	Same
	Medium metro	2021	4.0	2021	4.0	------	------	======			4.0	1.6	Same
	Small metro	2021	4.5	2021	4.5	------	------	======			4.5	1.1	Same
	Nonmetropolitan	2021	6.5	2021	6.5	------	------	======			6.5	-1.1	Same
	Micropolitan	2021	6.8	2021	6.8	------	------	======			6.8	-1.4	Same
	Noncore	2021	6.1	2021	6.1	------	------	======			6.1	-0.6	Same
Age	18-44	2021	4.6	2021	4.6	------	------	======	======	======	======	======	======
	45-64	2021	5.2	2021	5.2	------	------	======	18-44	4.6	5.2	-0.6	Same
Gender	Male	2021	5.9	2021	5.9	------	------	======	======	======	======	======	======
	Female	2021	3.1	2021	3.1	------	------	======	Male	5.9	3.1	3.0	Same
Education	At least some college	2021	3.8	2021	3.8	------	------	======	======	======	======	======	======

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
	Less than high school graduate	2021	6.5	2021	6.5	------	------	======	At least some college	3.8	6.5	-2.8	Same
	High school graduate	2021	6.2	2021	6.2	------	------	======			6.2	-2.5	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.10. People age 12 and over treated for substance use disorder who completed treatment course

Source: TEDS

Benchmark: 65.2 in 2015

Data year for disparities analysis: 2020

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

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	2005	41.3	2020	42.2	0.5	No change	No progress	======	======	======	======	======
Ethnicity	Non-Hispanic, White	2005	45.6	2020	40.3	1.0	Worsening	No progress	======	======	======	======	======
	Hispanic, all races	2005	44.1	2020	41.5	0.4	No change	No progress	Non-Hispanic, White	40.3	41.5	-2.0	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
	Non-Hispanic, Asian	2018	47.1	2020	47.2	------	------	------			47.2	-11.6	Better
	Non-Hispanic, NHPI	2018	35.3	2020	36.9	------	------	------			36.9	5.7	Same
	Non-Hispanic, Black	2005	39.0	2020	38.7	0.4	No change	No progress			38.7	2.7	Same
Age	21-39	2015	40.9	2020	39.7	0.4	No change	No progress	======	======	======	======	======
	12-20	2005	39.6	2020	39.6	0.3	No change	No progress	21-39	39.7	39.6	0.2	Same
	40 and over	2015	48.7	2020	46.6	0.8	No change	No progress			46.6	-11.4	Better
Gender	Male	2005	46.3	2020	43.8	0.6	No change	No progress	======	======	======	======	======
	Female	2005	38.7	2020	39.8	0.4	No change	No progress	Male	43.8	39.8	7.1	Same
Education	At least some college	2005	49.0	2020	38.9	1.5	Worsening	No progress	======	======	======	======	======
	Less than high school graduate	2005	40.4	2020	32.5	0.9	No change	No progress	At least some college	38.9	32.5	10.5	Worse
	High school graduate	2005	45.3	2020	36.0	1.2	Worsening	No progress			36.0	4.7	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.11. Adults who filled an outpatient opioid prescription in the calendar year

Source: MEPS

Benchmark: Not available

Data year for disparities analysis: 2020

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

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	15.3	2020	7.9	-9.5	Improving	======		======	======	======	======	======
Race	White	2013	15.8	2020	8.2	-9.4	Improving	======		======	======	======	======	======
	AI/AN	2013	23.2	2020	7.6	-14.4	Improving	======		White	8.2	7.6	-7.3	Same
	Asian	2013	5.7	2020	1.9	-12.8	Improving	======				1.9	-76.8	Better
	Black	2013	15.6	2020	8.4	-9.5	Improving	======				8.4	2.4	Same
	Multiple races	2013	19.0	2020	9.8	-9.0	Improving	======				9.8	19.5	Same
Ethnicity	Non-Hispanic, White	2013	17.1	2020	9.2	-8.9	Improving	======		======	======	======	======	======
	Hispanic, all races	2013	9.9	2020	4.1	-12.6	Improving	======		Non-Hispanic, White	9.2	4.1	-55.4	Better
	Non-Hispanic, all races	2013	16.2	2020	8.6	-9.1	Improving	======				8.6	-6.5	Same
	Non-Hispanic, Asian	2013	5.7	2020	1.9	-12.6	Improving	======				1.9	-79.3	Better
	Non-Hispanic, Black	2013	15.8	2020	8.5	-9.4	Improving	======				8.5	-7.6	Same
	Non-Hispanic, others	2013	19.9	2020	10.7	-8.9	Improving	======				10.7	16.3	Same
Income	400% of PL or more	2013	13.3	2020	6.3	-10.4	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
	Less than 100% of PL	2013	21.4	2020	11.8	-9.1	Improving	======		400% of PL or more	6.3	11.8	87.3	Worse
	100%-199% of PL	2013	17.2	2020	10.1	-8.4	Improving	======				10.1	60.3	Worse
	200%-399% of PL	2013	14.1	2020	7.8	-8.3	Improving	======				7.8	23.8	Worse
Health insurance	Any private	2013	13.4	2020	5.7	-11.7	Improving	======		======	======	======	======	======
	Public only	2013	27.0	2020	12.7	-11.0	Improving	======		Any private	5.7	12.7	122.8	Worse
	Uninsured	2013	8.8	2020	2.4	-17.8	Improving	======				2.4	-57.9	Better
Metropolitan status	Large fringe metro	2013	15.0	2020	7.1	-10.7	Improving	======		======	======	======	======	======
	Metropolitan	2013	14.7	2020	7.5	-9.7	Improving	======		Large fringe metro	7.1	7.5	5.6	Same
	Large central metro	2013	12.3	2020	5.8	-10.5	Improving	======				5.8	-18.3	Better
	Medium metro	2013	17.3	2020	9.9	-7.7	Improving	======				9.9	39.4	Worse
	Small metro	2013	16.7	2020	9.2	-8.9	Improving	======				9.2	29.6	Same
	Nonmetropolitan	2013	18.5	2020	10.6	-8.1	Improving	======				10.6	49.3	Worse
	Micropolitan	2013	17.9	2020	10.1	-8.6	Improving	======				10.1	42.3	Worse
	Noncore	2013	19.6	2020	11.3	-7.7	Improving	======				11.3	59.2	Worse
Age	18-44	2013	11.6	2020	4.3	-13.5	Improving	======		======	======	======	======	======
	45-64	2013	17.7	2020	9.6	-9.0	Improving	======		18-44	4.3	9.6	123.3	Worse
	65 and over	2013	19.9	2020	12.5	-6.7	Improving	======				12.5	190.7	Worse
Disability status	Without disability	2013	11.2	2020	5.6	-10.2	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
	With any disability	2013	31.3	2020	19.2	-6.8	Improving	======	Without disability	5.6	19.2	242.9	Worse
Gender	Male	2013	13.1	2020	6.5	-10.3	Improving	======	======	======	======	======	======
	Female	2013	17.3	2020	9.2	-8.9	Improving	======	Male	6.5	9.2	41.5	Worse
Education	At least some college	2013	14.6	2020	7.4	-9.4	Improving	======	======	======	======	======	======
	Less than high school graduate	2013	15.5	2020	8.4	-9.0	Improving	======	At least some college	7.4	8.4	13.5	Same
	High school graduate	2013	16.8	2020	8.7	-9.9	Improving	======			8.7	17.6	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.12. Adults who filled four or more outpatient opioid prescriptions in the calendar year

Source: MEPS

Benchmark: Not available

Data year for disparities analysis: 2020

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

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	4.6	2020	2.6	-8.2	Improving	======		======	======	======	======	======
Race	AI/AN	2016	8.6	2016	8.6	------	------	======		------	------	------	------	------
	Asian	2013	1.1	2013	1.1	------	------	======				------	------	------
	White	2013	4.8	2020	2.6	-8.7	Improving	======		======	======	======	======	======
	Black	2013	4.7	2020	3.1	-6.3	Improving	======		White	2.6	3.1	18.3	Same
	Multiple races	2013	8.0	2020	4.1	-5.0	No change	======				4.1	58.0	Same
Ethnicity	Non-Hispanic, Asian	2013	1.1	2013	1.1	------	------	======		------	------	------	------	------
	Non-Hispanic, White	2013	5.3	2020	3.1	-8.3	Improving	======		======	======	======	======	======
	Hispanic, all races	2013	2.3	2020	0.9	-10.9	Improving	======		Non-Hispanic, White	3.1	0.9	-69.2	Better
	Non-Hispanic, all races	2013	5.1	2020	2.9	-7.9	Improving	======				2.9	-3.6	Same
	Non-Hispanic, Black	2013	4.8	2020	3.2	-6.2	Improving	======				3.2	3.9	Same
	Non-Hispanic, others	2013	7.8	2020	5.0	-2.4	No change	======				5.0	63.9	Same
Income	400% of PL or more	2013	3.1	2020	1.4	-10.3	Improving	======		======	======	======	======	======
	Less than 100% of PL	2013	8.7	2020	6.1	-5.5	Improving	======		400% of PL or more	1.4	6.1	345.6	Worse
	100%-199% of PL	2013	6.4	2020	3.9	-7.8	Improving	======				3.9	189.7	Worse
	200%-399% of PL	2013	3.8	2020	2.7	-5.5	Improving	======				2.7	98.5	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
Health insurance	Uninsured	2013	2.7	2018	1.1	-13.8	Improving	======		------	------	------	------	------
	Any private	2013	2.7	2020	1.2	-11.0	Improving	======		======	======	======	======	======
	Public only	2013	12.9	2020	6.4	-9.3	Improving	======		Any private	1.2	6.4	428.1	Worse
Metropolitan status	Large fringe metro	2013	4.2	2020	2.1	-8.6	Improving	======		======	======	======	======	======
	Metropolitan	2013	4.1	2020	2.4	-7.8	Improving	======		Large fringe metro	2.1	2.4	10.7	Same
	Large central metro	2013	3.0	2020	1.6	-8.5	Improving	======				1.6	-25.2	Same
	Medium metro	2013	5.2	2020	3.6	-5.5	Improving	======				3.6	65.9	Worse
	Small metro	2013	5.1	2020	3.2	-8.0	Improving	======				3.2	48.6	Same
	Nonmetropolitan	2013	7.6	2020	4.1	-8.9	Improving	======				4.1	92.1	Worse
	Micropolitan	2013	7.0	2020	3.4	-11.3	Improving	======				3.4	57.0	Worse
	Noncore	2013	8.7	2020	5.3	-6.4	Improving	======				5.3	149.5	Worse
Age	18-44	2013	2.0	2020	0.7	-13.1	Improving	======		======	======	======	======	======
	45-64	2013	6.6	2020	3.9	-8.0	Improving	======		18-44	0.7	3.9	492.3	Worse
	65 and over	2013	7.6	2020	4.7	-7.3	Improving	======				4.7	627.7	Worse
Disability status	Without disability	2013	1.9	2020	1.3	-7.0	Improving	======		======	======	======	======	======
	With any disability	2013	15.6	2020	9.6	-6.4	Improving	======		Without disability	1.3	9.6	661.9	Worse
Gender	Male	2013	3.9	2020	2.0	-10.2	Improving	======		======	======	======	======	======
	Female	2013	5.3	2020	3.2	-6.9	Improving	======		Male	2.0	3.2	65.1	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
Education	At least some college	2013	3.8	2020	1.9	-9.2	Improving	======		======	======	======	======	======
	Less than high school graduate	2013	5.8	2020	3.9	-6.5	Improving	======		At least some college	1.9	3.9	104.2	Worse
	High school graduate	2013	5.9	2020	3.5	-7.6	Improving	======				3.5	84.7	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.13. People age 12 and over with opioid (either prescription opioid or heroin) use disorder in the past year

Source: NSDUH

Benchmark: Not available

Data year for disparities analysis: 2021

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

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	2021	2.0	2021	2.0	------	------	======		======	======	======	======	======
Race	White	2021	2.0	2021	2.0	------	------	======		======	======	======	======	======
	AI/AN	2021	3.1	2021	3.1	------	------	======		White	2.0	3.1	55.0	Same
	Asian	2021	0.7	2021	0.7	------	------	======				0.7	-65.0	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
	Black	2021	2.4	2021	2.4	------	------	======			2.4	20.0	Same
	Multiple races	2021	2.8	2021	2.8	------	------	======			2.8	40.0	Same
Ethnicity	Non-Hispanic, White	2021	2.0	2021	2.0	------	------	======	======	======	======	======	======
	Hispanic, all races	2021	1.9	2021	1.9	------	------	======	Non-Hispanic, White	2.0	1.9	-5.0	Same
	Non-Hispanic, all races	2021	2.0	2021	2.0	------	------	======			2.0	0.0	Same
	Non-Hispanic, Black	2021	2.4	2021	2.4	------	------	======			2.4	20.0	Same
Income	400% of PL or more	2021	1.0	2021	1.0	------	------	======	======	======	======	======	======
	Less than 100% of PL	2021	3.9	2021	3.9	------	------	======	400% of PL or more	1.0	3.9	290.0	Worse
	100%-199% of PL	2021	2.4	2021	2.4	------	------	======			2.4	140.0	Worse
	200%-399% of PL	2021	2.0	2021	2.0	------	------	======			2.0	100.0	Worse
Metropolitan status	Large fringe metro	2021	1.4	2021	1.4	------	------	======	======	======	======	======	======
	Metropolitan	2021	1.9	2021	1.9	------	------	======	Large fringe metro	1.4	1.9	35.7	Worse
	Large central metro	2021	2.1	2021	2.1	------	------	======			2.1	50.0	Worse
	Medium metro	2021	1.9	2021	1.9	------	------	======			1.9	35.7	Same
	Small metro	2021	2.2	2021	2.2	------	------	======			2.2	57.1	Worse
	Nonmetropolitan	2021	2.7	2021	2.7	------	------	======			2.7	92.9	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
	Micropolitan	2021	2.0	2021	2.0	------	------	======			2.0	42.9	Same
	Noncore	2021	3.6	2021	3.6	------	------	======			3.6	157.1	Worse
Age	18-44	2021	1.9	2021	1.9	------	------	======	======	======	======	======	======
	12-17	2021	1.0	2021	1.0	------	------	======	18-44	1.9	1.0	-47.4	Better
	45-64	2021	2.5	2021	2.5	------	------	======			2.5	31.6	Worse
	65 and over	2021	1.8	2021	1.8	------	------	======			1.8	-5.3	Same
Gender	Male	2021	2.0	2021	2.0	------	------	======	======	======	======	======	======
	Female	2021	2.0	2021	2.0	------	------	======	Male	2.0	2.0	0.0	Same
Education	At least some college	2021	1.5	2021	1.5	------	------	======	======	======	======	======	======
	Less than high school graduate	2021	3.4	2021	3.4	------	------	======	At least some college	1.5	3.4	126.7	Worse
	High school graduate	2021	2.8	2021	2.8	------	------	======			2.8	86.7	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.14. Hospital inpatient stays involving opioid-related diagnoses per 100,000 population

Source: HCUP

Benchmark: 102.9 in 2015

Data year for disparities analysis: 2020

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

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	2005	136.8	2020	251.1	4.9	Worsening	No progress	======	======	======	======	======
Income	Fourth quartile (highest income)	2005	98.1	2020	162.0	4.2	Worsening	No progress	======	======	======	======	======
	First quartile (lowest income)	2005	179.6	2020	338.4	5.2	Worsening	No progress	Fourth quartile (highest income)	162.0	338.4	108.9	Worse
	Second quartile	2005	125.5	2020	251.2	5.7	Worsening	No progress			251.2	55.1	Worse
	Third quartile	2005	117.2	2020	214.7	5.2	Worsening	No progress			214.7	32.5	Worse
Metropolitan status	Large fringe metro	2005	111.5	2020	228.2	5.8	Worsening	No progress	======	======	======	======	======
	Large central metro	2005	195.8	2020	261.1	2.5	Worsening	No progress	Large fringe metro	228.2	261.1	14.4	Worse
	Medium metro	2005	126.0	2020	256.2	7.0	Worsening	No progress			256.2	12.3	Same
	Small metro	2005	89.6	2020	235.4	8.2	Worsening	No progress			235.4	3.2	Same
	Rural	2005	102.5	2020	226.9	6.7	Worsening	No progress			226.9	-0.6	Same
Age	25-44	2005	207.7	2020	345.8	4.2	Worsening	No progress	======	======	======	======	======
	Under 1	2005	27.9	2020	33.5	6.3	Worsening	Reached, getting worse	25-44	345.8	33.5	-90.3	Better
	1-24	2005	40.6	2020	42.2	0.7	No change	No progress			42.2	-87.8	Better
	45-64	2005	193.6	2020	356.4	4.8	Worsening	No progress			356.4	3.1	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
	65 and over	2005	133.8	2020	341.5	8.0	Worsening	No progress			341.5	-1.2	Same
Gender	Male	2005	145.6	2020	260.0	4.4	Worsening	No progress	======	======	======	======	======
	Female	2005	127.8	2020	242.4	5.4	Worsening	No progress	Male	260.0	242.4	-6.8	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.15. Emergency department visits involving opioid-related diagnoses per 100,000 population

Source: HCUP_NEDS

Benchmark: 65.3 in 2015

Data year for disparities analysis: 2020

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

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	2005	89.1	2020	218.5	8.5	Worsening	No progress	======	======	======	======	======
Income	Fourth quartile (highest income)	2005	65.5	2020	142.2	7.7	Worsening	No progress	======	======	======	======	======

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
	First quartile (lowest income)	2005	104.9	2020	297.3	9.7	Worsening	No progress	Fourth quartile (highest income)	142.2	297.3	109.1	Worse
	Second quartile	2005	90.2	2020	221.9	8.2	Worsening	No progress			221.9	56.0	Worse
	Third quartile	2005	83.2	2020	177.3	7.7	Worsening	No progress			177.3	24.7	Worse
Metropolitan status	Large fringe metro	2005	96.6	2020	190.8	7.4	Worsening	No progress	======	======	======	======	======
	Large central metro	2005	91.9	2020	205.7	8.9	Worsening	No progress	Large fringe metro	190.8	205.7	7.8	Same
	Medium metro	2005	93.0	2020	257.3	8.7	Worsening	No progress			257.3	34.9	Worse
	Small metro	2005	70.1	2020	190.6	8.5	Worsening	No progress			190.6	-0.1	Same
	Noncore	2005	71.9	2020	214.3	8.4	Worsening	No progress			214.3	12.3	Same
Age	25-44	2005	160.8	2020	463.6	9.9	Worsening	No progress	======	======	======	======	======
	Under 1	2005	6.4	2020	6.5	0.6	No change	No progress	25-44	463.6	6.5	-98.6	Better
	1-24	2005	52.4	2020	70.1	3.4	Worsening	No progress			70.1	-84.9	Better
	45-64	2005	90.3	2020	231.4	8.8	Worsening	No progress			231.4	-50.1	Better
	65 and over	2005	31.6	2020	101.4	10.7	Worsening	No progress			101.4	-78.1	Better
Gender	Male	2005	99.9	2020	271.8	9.1	Worsening	No progress	======	======	======	======	======
	Female	2005	78.6	2020	166.7	7.6	Worsening	No progress	Male	271.8	166.7	-38.7	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.16. Drug overdose deaths involving any opioid per 100,000 resident population

Source: NVSS_M

Benchmark: 4.3 in 2015

Data year for disparities analysis: 2021

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

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	1999	2.9	2021	24.7	9.1	Worsening	No progress	======	======	======	======	======
Race	White	2018	16.4	2021	25.8	18.0	Worsening	No progress	======	======	======	======	======
	AI/AN	2018	8.8	2021	24.2	41.8	Worsening	No progress	White	25.8	24.2	-6.2	Same
	Asian	2018	1.4	2021	2.7	28.3	Worsening	No progress			2.7	-89.5	Better
	NHPI	2018	4.3	2021	9.8	33.0	No change	No progress			9.8	-62.0	Better
	Black	2018	13.7	2021	32.4	35.0	Worsening	No progress			32.4	25.6	Worse
	Multiple races	2018	6.3	2021	14.0	33.8	Worsening	No progress			14.0	-45.7	Better
Ethnicity	Non-Hispanic, White	2018	18.8	2021	28.4	16.4	Worsening	No progress	======	======	======	======	======
	Hispanic, all races	2018	7.5	2021	16.0	30.6	Worsening	No progress	Non-Hispanic, White	28.4	16.0	-43.7	Better
	Non-Hispanic, AI/AN	2018	13.8	2021	38.7	42.7	Worsening	No progress			38.7	36.3	Worse
	Non-Hispanic, Asian	2018	1.3	2021	2.6	30.1	Worsening	No progress			2.6	-90.8	Better
	Non-Hispanic, NHPI	2018	4.0	2021	9.7	------	------	------			9.7	-65.8	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
	Non-Hispanic, Black	2018	14.1	2021	33.5	35.3	Worsening	No progress			33.5	18.0	Worse
	Non-Hispanic, multiple races	2018	7.0	2021	15.0	32.3	Worsening	No progress			15.0	-47.2	Better
Metropolitan status	Large fringe metro	1999	2.5	2021	22.8	10.0	Worsening	No progress	======	======	======	======	======
	Large central metro	1999	4.4	2021	26.7	7.7	Worsening	No progress	Large fringe metro	22.8	26.7	17.1	Worse
	Medium metro	1999	2.8	2021	26.2	9.2	Worsening	No progress			26.2	14.9	Worse
	Small metro	1999	1.6	2021	21.7	10.0	Worsening	No progress			21.7	-4.8	Same
	Micropolitan (nonmetro)	1999	1.5	2021	21.4	10.1	Worsening	No progress			21.4	-6.1	Same
	Noncore (nonmetro)	1999	1.2	2021	18.3	9.5	Worsening	No progress			18.3	-19.7	Better
Age	35-44	1999	7.2	2021	48.6	8.0	Worsening	No progress	======	======	======	======	======
	Under 1	2020	0.6	2021	1.2	------	------	------	35-44	48.6	1.2	-97.5	Better
	15-24	1999	1.6	2021	14.7	8.4	Worsening	No progress			14.7	-69.8	Better
	25-34	1999	4.1	2021	44.6	11.1	Worsening	No progress			44.6	-8.2	Same
	1-4	2005	0.1	2021	0.7	7.2	Worsening	Reached, getting worse			0.7	-98.6	Better
	5-14	2004	0.1	2021	0.2	2.3	Worsening	Reached, getting worse			0.2	-99.6	Better
	45-54	1999	5.4	2021	38.3	7.6	Worsening	No progress			38.3	-21.2	Better
	55-64	1999	1.5	2021	30.6	13.6	Worsening	No progress			30.6	-37.0	Better

Measure Category: 4. Effectiveness of Care, Subcategory: 6. Mental Health and Substance Use Disorder

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
	65-74	1999	0.5	2021	10.2	13.8	Worsening	No progress			10.2	-79.0	Better
	75-84	1999	0.4	2021	1.9	7.2	Worsening	Reached, getting worse			1.9	-96.1	Better
	85 and over	2001	0.5	2021	1.4	2.8	Worsening	Reached, getting worse			1.4	-97.1	Better
Gender	Male	1999	4.3	2021	34.8	9.0	Worsening	No progress	======	======	======	======	======
	Female	1999	1.5	2021	14.5	9.4	Worsening	No progress	Male	34.8	14.5	-58.3	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.17. Drug overdose deaths involving natural and semisynthetic opioids per 100,000 resident population

Source: NVSS_M

Benchmark: 2.2 in 2015

Data year for disparities analysis: 2021

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

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	1999	1.0	2021	4.0	6.6	Worsening	No progress	======	======	======	======	======
Race	White	2018	4.3	2021	4.5	2.8	No change	No progress	======	======	======	======	======

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
	AI/AN	2018	2.4	2021	3.9	18.0	Worsening	No progress	White	4.5	3.9	-13.3	Better
	Asian	2018	0.4	2021	0.5	9.3	No change	No progress			0.5	-88.9	Better
	Black	2018	2.6	2021	3.8	14.5	Worsening	No progress			3.8	-15.6	Better
	Multiple races	2018	1.8	2021	2.0	5.0	No change	No progress			2.0	-55.6	Better
Ethnicity	Non-Hispanic, White	2018	5.1	2021	5.2	1.8	No change	No progress	======	======	======	======	======
	Hispanic, all races	2018	1.6	2021	1.9	6.5	Worsening	No progress	Non-Hispanic, White	5.2	1.9	-63.5	Better
	Non-Hispanic, AI/AN	2018	3.8	2021	6.0	17.1	Worsening	No progress			6.0	15.4	Same
	Non-Hispanic, Asian	2018	0.4	2021	0.4	2.3	No change	No progress			0.4	-92.3	Better
	Non-Hispanic, Black	2018	2.7	2021	3.9	14.4	Worsening	No progress			3.9	-25.0	Better
	Non-Hispanic, multiple races	2018	2.1	2021	2.2	4.1	No change	No progress			2.2	-57.7	Better
Metropolitan status	Large fringe metro	1999	0.8	2021	3.8	7.7	Worsening	No progress	======	======	======	======	======
	Large central metro	1999	1.5	2021	3.9	5.4	Worsening	No progress	Large fringe metro	3.8	3.9	2.6	Same
	Medium metro	1999	1.0	2021	4.6	6.6	Worsening	No progress			4.6	21.1	Worse
	Small metro	1999	0.7	2021	4.2	7.7	Worsening	No progress			4.2	10.5	Worse
	Micropolitan (nonmetro)	1999	0.6	2021	4.4	8.1	Worsening	No progress			4.4	15.8	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
	Noncore (nonmetro)	1999	0.5	2021	4.4	8.2	Worsening	No progress			4.4	15.8	Worse
Age	1-4	2008	0.2	2016	0.1	-4.1	No change	No progress	------	------	------	------	------
	5-14	2004	0.1	2004	0.1	------	------	------			------	------	------
	35-44	1999	2.3	2021	7.3	5.4	Worsening	No progress	======	======	======	======	======
	15-24	1999	0.5	2021	1.4	4.0	Worsening	Reached, getting worse	35-44	7.3	1.4	-80.8	Better
	25-34	1999	1.3	2021	5.9	7.4	Worsening	No progress			5.9	-19.2	Better
	45-54	1999	2.0	2021	7.2	5.8	Worsening	No progress			7.2	-1.4	Same
	55-64	1999	0.7	2021	6.8	11.5	Worsening	No progress			6.8	-6.8	Same
	65-74	1999	0.3	2021	3.2	12.2	Worsening	No progress			3.2	-56.2	Better
	75-84	1999	0.2	2021	1.0	8.2	Worsening	Reached, getting worse			1.0	-86.3	Better
	85 and over	2003	0.5	2021	1.0	3.2	Worsening	Reached, getting worse			1.0	-86.3	Better
Gender	Male	1999	1.4	2021	4.9	6.0	Worsening	No progress	======	======	======	======	======
	Female	1999	0.5	2021	3.1	7.8	Worsening	No progress	Male	4.9	3.1	-36.7	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.18. Drug overdose deaths involving other synthetic opioids (other than methadone) per 100,000 resident population

Source: NVSS_M

Benchmark: 1.1 in 2015

Data year for disparities analysis: 2021

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

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	1999	0.3	2021	21.8	21.0	Worsening	No progress	======	======	======	======	======
Race	White	2018	11.0	2021	22.6	29.4	Worsening	No progress	======	======	======	======	======
	AI/AN	2018	4.4	2021	20.9	71.0	Worsening	No progress	White	22.6	20.9	-7.5	Same
	Asian	2018	0.9	2021	2.4	44.5	Worsening	No progress			2.4	-89.4	Better
	NHPI	2019	2.6	2021	8.9	------	------	------			8.9	-60.6	Better
	Black	2018	10.8	2021	30.3	43.3	Worsening	No progress			30.3	34.1	Worse
	Multiple races	2018	3.6	2021	12.0	53.5	Worsening	No progress			12.0	-46.9	Better
Ethnicity	Non-Hispanic, White	2018	12.7	2021	24.8	27.2	Worsening	No progress	======	======	======	======	======
	Hispanic, all races	2018	4.7	2021	14.2	46.9	Worsening	No progress	Non-Hispanic, White	24.8	14.2	-42.7	Better
	Non-Hispanic, AI/AN	2018	7.0	2021	33.6	71.6	Worsening	No progress			33.6	35.5	Worse
	Non-Hispanic, Asian	2018	0.9	2021	2.2	40.1	Worsening	No progress			2.2	-91.1	Better
	Non-Hispanic, NHPI	2020	4.5	2021	8.9	------	------	------			8.9	-64.1	Better
	Non-Hispanic, Black	2018	11.2	2021	31.4	43.4	Worsening	No progress			31.4	26.6	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
	Non-Hispanic, multiple races	2018	4.0	2021	13.1	52.4	Worsening	No progress			13.1	-47.2	Better
Metropolitan status	Large fringe metro	1999	0.2	2021	20.3	23.1	Worsening	No progress	======	======	======	======	======
	Large central metro	1999	0.3	2021	23.7	21.4	Worsening	No progress	Large fringe metro	20.3	23.7	16.7	Worse
	Medium metro	1999	0.3	2021	22.8	20.5	Worsening	No progress			22.8	12.3	Worse
	Small metro	1999	0.3	2021	18.7	17.9	Worsening	No progress			18.7	-7.9	Same
	Micropolitan (nonmetro)	1999	0.3	2021	18.3	18.6	Worsening	No progress			18.3	-9.9	Same
	Noncore (nonmetro)	1999	0.3	2021	15.3	16.4	Worsening	No progress			15.3	-24.6	Better
Age	35-44	1999	0.6	2021	43.8	19.9	Worsening	No progress	======	======	======	======	======
	Under 1	2021	1.1	2021	1.1	------	------	------	35-44	43.8	1.1	-97.5	Better
	15-24	1999	0.1	2021	13.8	24.1	Worsening	No progress			13.8	-68.5	Better
	25-34	1999	0.3	2021	40.9	25.6	Worsening	No progress			40.9	-6.6	Same
	1-4	2019	0.2	2021	0.6	------	------	------			0.6	-98.6	Better
	5-14	2020	0.1	2021	0.1	------	------	------			0.1	-99.8	Better
	45-54	1999	0.5	2021	33.1	18.7	Worsening	No progress			33.1	-24.4	Better
	55-64	1999	0.3	2021	25.2	21.8	Worsening	No progress			25.2	-42.5	Better
	65-74	1999	0.1	2021	7.3	19.3	Worsening	No progress			7.3	-83.3	Better
	75-84	2005	0.2	2021	0.9	7.8	Worsening	Reached, getting worse			0.9	-97.9	Better
	85 and over	2021	0.4	2021	0.4	------	------	------			0.4	-99.1	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
Gender	Male	1999	0.3	2021	31.4	22.9	Worsening	No progress		======	======	======	======	======
	Female	1999	0.2	2021	12.2	18.0	Worsening	No progress		Male	31.4	12.2	-61.1	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.19. People age 12 and over with opioid use disorder who received medication-assisted treatment for opioids in the past year

Source: NSDUH

Benchmark: Not available

Data year for disparities analysis: 2021

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

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	2021	22.1	2021	22.1	------	------	======		======	======	======	======	======
Race	White	2021	24.0	2021	24.0	------	------	======		======	======	======	======	======
Ethnicity	Non-Hispanic, White	2021	26.3	2021	26.3	------	------	======		======	======	======	======	======
	Non-Hispanic, all races	2021	23.9	2021	23.9	------	------	======		Non-Hispanic, White	26.3	23.9	3.3	Same
Income	100%-199% of PL	2021	13.8	2021	13.8	------	------	======		------	------	------	------	------

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	Metropolitan	2021	23.3	2021	23.3	------	------	======		------	------	------	------	------
Age	18-44	2021	26.8	2021	26.8	------	------	======		======	======	======	======	======
Gender	Female	2021	18.7	2021	18.7	------	------	======		------	------	------	------	------
Education	At least some college	2021	20.6	2021	20.6	------	------	======		======	======	======	======	======

------ : 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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.6.20. People age 12 and over who received medication-assisted treatment for opioids in the past year

Source: NSDUH

Benchmark: Not available

Data year for disparities analysis: 2021

Note: Percentages were flipped to negative direction for calculations.

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	2021	0.4	2021	0.4	------	------	======		======	======	======	======	======
Race	White	2021	0.4	2021	0.4	------	------	======		======	======	======	======	======
Ethnicity	Non-Hispanic, White	2021	0.5	2021	0.5	------	------	======		======	======	======	======	======

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
	Non-Hispanic, all races	2021	0.4	2021	0.4	------	------	======	Non-Hispanic, White	0.5	0.4	0.1	Same
Income	400% of PL or more	2021	0.1	2021	0.1	------	------	======	======	======	======	======	======
	Less than 100% of PL	2021	1.0	2021	1.0	------	------	======	400% of PL or more	0.1	1.0	-0.9	Same
	100%-199% of PL	2021	0.4	2021	0.4	------	------	======			0.4	-0.3	Same
	200%-399% of PL	2021	0.4	2021	0.4	------	------	======			0.4	-0.3	Same
Metropolitan status	Large fringe metro	2021	0.3	2021	0.3	------	------	======	======	======	======	======	======
	Metropolitan	2021	0.4	2021	0.4	------	------	======	Large fringe metro	0.3	0.4	-0.1	Same
	Large central metro	2021	0.4	2021	0.4	------	------	======			0.4	-0.1	Same
	Small metro	2021	0.4	2021	0.4	------	------	======			0.4	-0.1	Same
	Nonmetropolitan	2021	0.4	2021	0.4	------	------	======			0.4	-0.1	Same
Age	18-44	2021	0.6	2021	0.6	------	------	======	======	======	======	======	======
Gender	Male	2021	0.5	2021	0.5	------	------	======	======	======	======	======	======
	Female	2021	0.3	2021	0.3	------	------	======	Male	0.5	0.3	0.2	Same
Education	At least some college	2021	0.3	2021	0.3	------	------	======	======	======	======	======	======
	Less than high school graduate	2021	1.1	2021	1.1	------	------	======	At least some college	0.3	1.1	-0.8	Same
	High school graduate	2021	0.5	2021	0.5	------	------	======			0.5	-0.2	Same

------ : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

Measure Category: 4. Effectiveness of Care, Subcategory: 6. Mental Health and Substance Use Disorder

====== : Not applicable.

This measure is not a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.7.1. Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms

Source: NHIS

Benchmark: Not available

Data for Disparities are not available

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

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	70.5	2018	74.0	-0.9	No change	======	======	======	======	======	======
Race	AI/AN	2009	57.5	2018	70.5	-3.0	No change	======	------	------	------	------	------
	Asian	2009	62.4	2018	67.9	-3.3	Improving	======			------	------	------
	Black	2009	75.1	2018	78.4	-0.7	No change	======			------	------	------
	Multiple races	2009	70.8	2018	85.8	-1.9	No change	======			------	------	------
	White	2009	70.2	2018	73.4	-0.9	No change	======	======	======	======	======	======
Ethnicity	Hispanic, all races	2009	65.9	2018	66.9	-0.7	No change	======	------	------	------	------	------
	Non-Hispanic, all races	2009	71.3	2018	75.1	-1.0	No change	======			------	------	------
	Non-Hispanic, Black	2009	75.2	2018	78.3	-0.9	No change	======			------	------	------
	Non-Hispanic, White	2009	71.0	2018	74.5	-0.9	No change	======	======	======	======	======	======
Income	Less than 100% of PL	2009	72.2	2018	75.2	-1.1	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
	100%-199% of PL	2009	68.1	2018	72.9	-1.6	Improving	======				------	------	------
	200%-399% of PL	2009	70.4	2018	75.0	-1.1	No change	======				------	------	------
	400% of PL or more	2009	72.0	2018	73.1	-0.1	No change	======		======	======	======	======	======
Health insurance	Public only	2009	82.4	2018	78.7	2.7	Worsening	======		------	------	------	------	------
	Uninsured	2009	52.5	2018	56.9	-0.6	No change	======				------	------	------
	Any private	2009	69.4	2018	72.3	-0.5	No change	======		======	======	======	======	======
Metropolitan status	Metropolitan	2009	71.0	2018	74.1	-0.9	No change	======		------	------	------	------	------
	Large central metro	2009	68.2	2018	73.8	-2.0	Improving	======				------	------	------
	Medium metro	2009	71.0	2018	74.5	-0.5	No change	======				------	------	------
	Small metro	2009	72.3	2018	76.9	-1.4	No change	======				------	------	------
	Micropolitan (nonmetro)	2009	69.8	2018	72.2	-0.2	No change	======				------	------	------
	Noncore (nonmetro)	2009	66.4	2018	76.5	-2.4	No change	======				------	------	------
	Large fringe metro	2009	73.4	2018	72.9	0.1	No change	======		======	======	======	======	======
Age	45-64	2009	74.0	2018	76.9	-0.8	No change	======		------	------	------	------	------
	65 and over	2009	83.2	2018	82.9	0.1	No change	======				------	------	------
	18-44	2009	64.5	2018	69.4	-1.1	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
Gender	Female	2009	74.6	2018	77.0	-0.7	No change	======		------	------	------	------	------
	Male	2009	66.0	2018	71.0	-1.0	No change	======		======	======	======	======	======
Education	Less than high school graduate	2009	67.1	2018	68.2	-0.3	No change	======		------	------	------	------	------
	High school graduate	2009	72.3	2018	72.9	-0.5	No change	======				------	------	------
	At least some college	2009	72.5	2018	75.7	-0.6	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.8.1. Deaths per 1,000 hospital admissions with pneumonia, age 18 and over

Source: HCUP

Benchmark: 40.9 in 2016

Data year for disparities analysis: 2020

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

Population Category	Subgroup	Baseline Year	Baseline Estimate	Current Year	Current Estimate	Average Annual Change %	Change Over Time	Years to Benchmark		Reference Group	Reference Group	Estimate for Comparison Group	Relative Difference	Disparities
Total	Total	2016	54.4	2020	48.4	-3.8	No change	No progress		======	======	======	======	======
Race	White	2016	54.8	2020	48.3	-4.0	No change	No progress		======	======	======	======	======
	API	2016	54.8	2020	47.5	-4.1	Improving	No progress		White	48.3	47.5	-1.7	Same
	Black	2016	53.2	2020	49.5	-2.9	No change	No progress				49.5	2.5	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
Ethnicity	Non-Hispanic, White	2016	54.8	2020	48.3	-4.0	No change	No progress	======	======	======	======	======
	Hispanic, all races	2016	51.5	2020	48.6	-2.7	No change	No progress	Non-Hispanic, White	48.3	48.6	0.6	Same
	Non-Hispanic, API	2016	54.8	2020	47.5	-4.1	Improving	No progress			47.5	-1.7	Same
	Non-Hispanic, Black	2016	53.2	2020	49.5	-2.9	No change	No progress			49.5	2.5	Same
Income	Fourth quartile (highest income)	2016	53.6	2020	47.1	-4.0	No change	No progress	======	======	======	======	======
	First quartile (lowest income)	2016	56.1	2020	52.0	-2.9	No change	No progress	Fourth quartile (highest income)	47.1	52.0	10.4	Worse
	Second quartile	2016	54.6	2020	47.7	-4.3	No change	No progress			47.7	1.3	Same
	Third quartile	2016	52.9	2020	45.8	-4.4	No change	No progress			45.8	-2.8	Same
Health insurance	Private insurance	2016	60.8	2020	51.6	-5.5	No change	No progress	======	======	======	======	======
	Medicare, under 65	2016	53.6	2020	51.8	-2.0	No change	No progress	Private insurance	51.6	51.8	0.4	Same
	Medicaid	2016	50.1	2020	48.9	-1.5	No change	No progress			48.9	-5.2	Same
	Other insurance	2016	100.6	2020	66.8	-10.7	Improving	3 years			66.8	29.5	Worse
	Uninsured/self pay/no charge	2016	53.4	2020	49.1	-3.5	No change	No progress			49.1	-4.8	Same
Metropolitan status	Large fringe metro	2016	51.6	2020	46.2	-3.9	No change	No progress	======	======	======	======	======

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
	Large central metro	2016	52.3	2020	45.4	-4.2	No change	No progress	Large fringe metro	46.2	45.4	-1.7	Same
	Medium metro	2016	54.5	2020	48.9	-3.6	No change	No progress			48.9	5.8	Same
	Small metro	2016	55.3	2020	51.9	-2.6	No change	No progress			51.9	12.3	Worse
	Micropolitan	2016	57.0	2020	51.0	-3.7	No change	No progress			51.0	10.4	Worse
	Noncore	2016	65.7	2020	57.8	-4.2	No change	No progress			57.8	25.1	Worse
Age	18-44	2016	26.0	2020	26.9	-0.8	No change	No progress	======	======	======	======	======
	65-69	2016	51.1	2020	45.9	-3.7	No change	No progress	18-44	26.9	45.9	70.6	Worse
	18-64	2016	39.8	2020	39.0	-1.6	No change	No progress			39.0	45.0	Worse
	70-74	2016	53.8	2020	48.5	-3.4	No change	No progress			48.5	80.3	Worse
	75-79	2016	57.2	2020	52.6	-3.1	No change	No progress			52.6	95.5	Worse
	45-64	2016	43.5	2020	42.6	-1.6	No change	No progress			42.6	58.4	Worse
	80-84	2016	59.7	2020	52.7	-4.0	No change	No progress			52.7	95.9	Worse
	65 and over	2016	59.5	2020	51.4	-4.5	No change	No progress			51.4	91.1	Worse
	85 and over	2016	65.5	2020	54.0	-5.6	Improving	No progress			54.0	100.7	Worse
Gender	Male	2016	55.2	2020	49.8	-3.5	No change	No progress	======	======	======	======	======
	Female	2016	53.6	2020	47.0	-4.2	No change	No progress	Male	49.8	47.0	-5.6	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.8.2. Patients with tuberculosis who completed a curative course of treatment within 1 year of initiation of treatment

Source: NTBSS

Measure Category: 4. Effectiveness of Care, Subcategory: 8. Respiratory Diseases

Benchmark: 95.5 in 2015

Data year for disparities analysis: 2019

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

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	2004	82.3	2019	89.9	-4.1	Improving	10 years	======	======	======	======	======
Race	White	2004	81.5	2019	89.4	-3.7	Improving	12 years	======	======	======	======	======
	AI/AN	2008	85.0	2019	89.8	-4.9	No change	No progress	White	89.4	89.8	-3.8	Same
	Asian	2008	85.1	2019	90.5	-4.9	Improving	9 years			90.5	-10.4	Same
	Black	2004	82.9	2019	89.7	-3.1	Improving	14 years			89.7	-2.8	Same
Ethnicity	Non-Hispanic, White	2004	83.9	2019	91.5	-3.1	Improving	10 years	======	======	======	======	======
	Other Hispanic/Latino/Spanish origin	2008	82.5	2019	89.5	-2.4	No change	No progress	Non-Hispanic, White	91.5	89.5	23.5	Same
	Hispanic, all races	2004	80.0	2019	88.8	-4.2	Improving	11 years			88.8	31.8	Worse
	Mexican, Mexican American	2008	79.4	2019	87.8	-3.8	Improving	12 years			87.8	43.5	Worse
	Non-Hispanic, all races	2004	83.3	2019	90.4	-4.1	Improving	10 years			90.4	12.9	Same
	Non-Hispanic, Black	2004	82.9	2019	89.5	-3.0	Improving	15 years			89.5	23.5	Same
Age	18-44	2004	80.9	2019	90.0	-4.8	Improving	8 years	======	======	======	======	======
	0-17	2004	90.1	2019	94.8	-3.9	Improving	2 years	18-44	90.0	94.8	-48.0	Better
	45-64	2004	81.6	2019	89.1	-3.5	Improving	13 years			89.1	9.0	Same
	65 and over	2004	83.4	2019	89.5	-4.1	Improving	11 years			89.5	5.0	Same
Gender	Male	2004	80.8	2019	89.5	-4.3	Improving	10 years	======	======	======	======	======

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
	Female	2004	84.6	2019	90.5	-3.8	Improving	11 years		Male	89.5	90.5	-9.5	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.8.3. People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)

Source: MEPS

Benchmark: Not available

Data year for disparities analysis: 2020

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

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	2018	31.6	2020	33.3	------	------	======		======	======	======	======	======
Race	Multiple races	2018	28.8	2019	31.4	------	------	======		------	------	------	------	------
	White	2018	31.3	2020	34.1	------	------	======		======	======	======	======	======
	Black	2018	32.9	2020	37.1	------	------	======		White	34.1	37.1	-4.6	Same
Ethnicity	Non-Hispanic, others	2018	28.2	2019	31.6	------	------	======		------	------	------	------	------
	Non-Hispanic, White	2018	31.4	2020	33.8	------	------	======		======	======	======	======	======

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
	Hispanic, all races	2018	28.1	2020	32.8	------	------	======	Non-Hispanic, White	33.8	32.8	1.5	Same
	Non-Hispanic, all races	2018	31.9	2020	33.4	------	------	======			33.4	0.6	Same
	Non-Hispanic, Black	2018	32.5	2020	37.8	------	------	======			37.8	-6.0	Same
Income	400% of PL or more	2018	32.0	2020	36.5	------	------	======	======	======	======	======	======
	Less than 100% of PL	2018	32.0	2020	38.5	------	------	======	400% of PL or more	36.5	38.5	-3.1	Same
	100%-199% of PL	2018	35.9	2020	33.7	------	------	======			33.7	4.4	Same
	200%-399% of PL	2018	27.4	2020	25.0	------	------	======			25.0	18.1	Worse
Health insurance	Any private	2018	28.8	2020	29.1	------	------	======	======	======	======	======	======
	Public only	2018	32.6	2020	34.0	------	------	======	Any private	29.1	34.0	-6.9	Same
Metropolitan status	Noncore	2018	30.8	2019	34.0	------	------	======	------	------	------	------	------
	Large fringe metro	2018	31.5	2020	31.9	------	------	======	======	======	======	======	======
	Metropolitan	2018	31.5	2020	34.3	------	------	======	Large fringe metro	31.9	34.3	-3.5	Same
	Large central metro	2018	29.1	2020	36.6	------	------	======			36.6	-6.9	Same
	Medium metro	2018	35.1	2020	34.7	------	------	======			34.7	-4.1	Same
	Small metro	2018	30.9	2020	34.1	------	------	======			34.1	-3.2	Same
	Nonmetropolitan	2018	32.0	2020	27.7	------	------	======			27.7	6.2	Same

Measure Category: 4. Effectiveness of Care, Subcategory: 8. Respiratory Diseases

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
	Micropolitan	2018	32.3	2020	20.4	------	------	======			20.4	16.9	Worse
Age	18-44	2018	22.1	2020	22.6	------	------	======	======	======	======	======	======
	0-17	2018	30.2	2020	33.4	------	------	======	18-44	22.6	33.4	-14.0	Better
	45-64	2018	43.4	2020	42.4	------	------	======			42.4	-25.6	Better
	65 and over	2018	43.2	2020	50.1	------	------	======			50.1	-35.5	Better
Disability status	Without disability	2018	28.9	2020	31.4	------	------	======	======	======	======	======	======
	With any disability	2018	39.3	2020	38.6	------	------	======	Without disability	31.4	38.6	-10.5	Same
Gender	Male	2018	30.1	2020	31.8	------	------	======	======	======	======	======	======
	Female	2018	32.1	2020	33.8	------	------	======	Male	31.8	33.8	-2.9	Same
Education	At least some college	2018	31.1	2020	31.9	------	------	======	======	======	======	======	======
	Less than high school graduate	2018	35.2	2020	34.7	------	------	======	At least some college	31.9	34.7	-4.1	Same
	High school graduate	2018	32.4	2020	35.1	------	------	======			35.1	-4.7	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 a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.8.4. People with current asthma who received written asthma management plans from their healthcare provider

Source: NHIS

Benchmark: Not available

Data for Disparities are not available

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

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	33.4	2018	35.5	------	------	======		======	======	======	======	======
Race	Asian	2009	39.2	2018	39.2	------	------	======		------	------	------	------	------
	Black	2009	41.7	2018	43.9	------	------	======				------	------	------
	Multiple races	2009	30.6	2018	29.7	------	------	======				------	------	------
	White	2009	32.3	2018	33.7	------	------	======		======	======	======	======	======
Ethnicity	Hispanic, all races	2009	28.4	2018	34.2	------	------	======		------	------	------	------	------
	Non-Hispanic, all races	2009	34.1	2018	35.8	------	------	======				------	------	------
	Non-Hispanic, Black	2009	42.4	2018	42.9	------	------	======				------	------	------
	Non-Hispanic, White	2009	32.7	2018	33.8	------	------	======		======	======	======	======	======
Income	Less than 100% of PL	2009	30.9	2018	36.6	------	------	======		------	------	------	------	------
	100%-199% of PL	2009	32.4	2018	36.4	------	------	======				------	------	------
	200%-399% of PL	2009	35.4	2018	34.8	------	------	======				------	------	------
	400% of PL or more	2009	35.0	2018	35.2	------	------	======		======	======	======	======	======
Health insurance	Public only	2009	33.8	2018	36.9	------	------	======		------	------	------	------	------

Measure Category: 4. Effectiveness of Care, Subcategory: 8. Respiratory Diseases

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
	Uninsured	2009	25.8	2018	29.8	------	------	======			------	------	------
	Any private	2009	37.4	2018	36.9	------	------	======	======	======	======	======	======
Metropolitan status	Metropolitan	2009	35.3	2018	36.2	------	------	======	------	------	------	------	------
	Large central metro	2009	37.3	2018	39.2	------	------	======			------	------	------
	Medium metro	2009	34.8	2018	30.6	------	------	======			------	------	------
	Small metro	2009	32.0	2018	35.6	------	------	======			------	------	------
	Micropolitan (nonmetro)	2009	27.2	2018	33.2	------	------	======			------	------	------
	Noncore (nonmetro)	2009	20.1	2018	26.3	------	------	======			------	------	------
	Large fringe metro	2009	36.0	2018	38.0	------	------	======	======	======	======	======	======
Age	0-17	2009	44.3	2018	46.5	------	------	======	------	------	------	------	------
	45-64	2009	31.9	2018	31.9	------	------	======			------	------	------
	65 and over	2009	26.1	2018	26.5	------	------	======			------	------	------
	18-44	2009	29.8	2018	33.3	------	------	======	======	======	======	======	======
Gender	Female	2009	33.7	2018	33.5	------	------	======	------	------	------	------	------
	Male	2009	32.5	2018	37.5	------	------	======	======	======	======	======	======
Education	Less than high school graduate	2009	24.5	2018	29.8	------	------	======	------	------	------	------	------
	High school graduate	2009	26.8	2018	32.3	------	------	======			------	------	------

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
	At least some college	2009	33.3	2018	29.9	------	------	======		======	======	======	======	======

------ : Data were not available or reliable for the analysis. Subgroups without valid data in any year are not listed.

====== : Not applicable.

This measure is a core measure. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.8.5. People with current asthma who received education about the appropriate response to an asthma episode

Source: NHIS

Benchmark: Not available

Data for Disparities are not available

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

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	2011	64.8	2018	68.4	------	------	======		======	======	======	======	======
Race	Asian	2011	73.5	2018	80.3	------	------	======		------	------	------	------	------
	Black	2011	68.7	2018	73.9	------	------	======				------	------	------
	Multiple races	2011	66.8	2018	78.4	------	------	======				------	------	------
	White	2011	63.7	2018	65.4	------	------	======		======	======	======	======	======
Ethnicity	Hispanic, all races	2011	60.7	2018	66.2	------	------	======		------	------	------	------	------

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
	Non-Hispanic, all races	2011	65.6	2018	69.0	------	------	======			------	------	------
	Non-Hispanic, Black	2011	68.9	2018	74.0	------	------	======			------	------	------
	Non-Hispanic, White	2011	64.7	2018	65.9	------	------	======	======	======	======	======	======
Income	Less than 100% of PL	2011	58.8	2018	71.2	------	------	======	------	------	------	------	------
	100%-199% of PL	2011	60.9	2018	62.5	------	------	======			------	------	------
	200%-399% of PL	2011	65.3	2018	68.8	------	------	======			------	------	------
	400% of PL or more	2011	70.6	2018	70.5	------	------	======	======	======	======	======	======
Health insurance	Public only	2011	65.5	2018	69.7	------	------	======	------	------	------	------	------
	Uninsured	2011	60.7	2018	62.5	------	------	======			------	------	------
	Any private	2011	69.1	2018	71.4	------	------	======	======	======	======	======	======
Metropolitan status	Metropolitan	2011	66.2	2018	69.5	------	------	======	------	------	------	------	------
	Large central metro	2011	63.8	2018	72.2	------	------	======			------	------	------
	Medium metro	2011	70.5	2018	64.6	------	------	======			------	------	------
	Small metro	2011	63.2	2018	67.5	------	------	======			------	------	------
	Micropolitan (nonmetro)	2011	59.7	2018	57.0	------	------	======			------	------	------

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
	Noncore (nonmetro)	2011	56.9	2018	66.0	------	------	======				------	------	------
	Large fringe metro	2011	65.8	2018	71.8	------	------	======		======	======	======	======	======
Age	0-17	2011	76.7	2018	77.5	------	------	======		------	------	------	------	------
	45-64	2011	57.7	2018	61.8	------	------	======				------	------	------
	65 and over	2011	52.3	2018	54.3	------	------	======				------	------	------
	18-44	2011	65.1	2018	70.2	------	------	======		======	======	======	======	======
Gender	Female	2011	66.1	2018	69.2	------	------	======		------	------	------	------	------
	Male	2011	62.3	2018	66.6	------	------	======		======	======	======	======	======
Education	Less than high school graduate	2011	45.6	2018	57.4	------	------	======		------	------	------	------	------
	High school graduate	2011	54.4	2018	55.2	------	------	======				------	------	------
	At least some college	2011	67.0	2018	67.1	------	------	======		======	======	======	======	======

------ : 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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.8.6. People with current asthma who were advised to make changes to reduce exposure to irritants

Source: NHIS

Benchmark: Not available

Data for Disparities are not available

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

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	2011	50.8	2018	45.2	------	------	======		======	======	======	======	======
Race	Asian	2011	49.2	2018	62.8	------	------	======		------	------	------	------	------
	Black	2011	51.3	2018	52.5	------	------	======				------	------	------
	Multiple races	2011	66.1	2018	46.1	------	------	======				------	------	------
	White	2011	50.3	2018	42.7	------	------	======		======	======	======	======	======
Ethnicity	Hispanic, all races	2011	45.3	2018	41.3	------	------	======		------	------	------	------	------
	Non-Hispanic, all races	2011	51.6	2018	46.1	------	------	======				------	------	------
	Non-Hispanic, Black	2011	51.9	2018	52.7	------	------	======				------	------	------
	Non-Hispanic, White	2011	51.1	2018	43.0	------	------	======		======	======	======	======	======
Income	Less than 100% of PL	2011	49.7	2018	48.4	------	------	======		------	------	------	------	------
	100%-199% of PL	2011	52.9	2018	43.6	------	------	======				------	------	------
	200%-399% of PL	2011	49.6	2018	46.2	------	------	======				------	------	------

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
	400% of PL or more	2011	51.0	2018	41.4	------	------	======		======	======	======	======	======
Health insurance	Public only	2011	57.0	2018	50.9	------	------	======		------	------	------	------	------
	Uninsured	2011	49.4	2018	42.8	------	------	======				------	------	------
	Any private	2011	53.4	2018	45.3	------	------	======		======	======	======	======	======
Metropolitan status	Metropolitan	2011	50.7	2018	46.2	------	------	======		------	------	------	------	------
	Large central metro	2011	50.2	2018	49.5	------	------	======				------	------	------
	Medium metro	2011	52.0	2018	44.6	------	------	======				------	------	------
	Small metro	2011	46.7	2018	51.6	------	------	======				------	------	------
	Micropolitan (nonmetro)	2011	51.5	2018	37.7	------	------	======				------	------	------
	Noncore (nonmetro)	2011	51.6	2018	40.4	------	------	======				------	------	------
	Large fringe metro	2011	52.3	2018	42.3	------	------	======		======	======	======	======	======
Age	0-17	2011	53.2	2018	47.5	------	------	======		------	------	------	------	------
	45-64	2011	50.1	2018	48.1	------	------	======				------	------	------
	65 and over	2011	30.8	2018	31.7	------	------	======				------	------	------
	18-44	2011	56.2	2018	46.2	------	------	======		======	======	======	======	======
Gender	Female	2011	52.5	2018	46.2	------	------	======		------	------	------	------	------
	Male	2011	46.5	2018	43.2	------	------	======		======	======	======	======	======

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
Education	Less than high school graduate	2011	42.2	2018	44.7	------	------	======		------	------	------	------	------
	High school graduate	2011	44.6	2018	39.5	------	------	======				------	------	------
	At least some college	2011	54.2	2018	45.1	------	------	======		======	======	======	======	======

------ : 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. More information and data are available at https://datatools.ahrq.gov/nhqdr.

Appendix Table 4.8.7. People with current asthma

Source: MEPS

Benchmark: Not available

Data year for disparities analysis: 2020

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

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	6.8	2020	6.0	0.5	No change	======		======	======	======	======	======
Race	AI/AN	2003	7.3	2019	9.8	1.4	No change	======		------	------	------	------	------
	NHPI	2003	14.8	2017	13.1	------	------	======				------	------	------
	White	2003	6.5	2020	5.5	0.3	No change	======		======	======	======	======	======

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
	Asian	2003	4.3	2020	3.3	0.0	No change	======	White	5.5	3.3	-39.3	Better
	Black	2003	8.2	2020	8.7	1.5	Worsening	======			8.7	57.5	Worse
	Multiple races	2003	12.2	2020	11.8	0.0	No change	======			11.8	113.6	Worse
Ethnicity	Non-Hispanic, White	2003	6.9	2020	5.9	0.3	No change	======	======	======	======	======	======
	Hispanic, all races	2003	5.0	2020	4.7	1.0	No change	======	Non-Hispanic, White	5.9	4.7	-19.5	Better
	Non-Hispanic, all races	2003	7.1	2020	6.3	0.5	No change	======			6.3	7.4	Same
	Non-Hispanic, Black	2003	8.2	2020	8.8	1.6	Worsening	======			8.8	49.7	Worse
	Non-Hispanic, others	2003	10.9	2020	10.8	0.3	No change	======			10.8	83.9	Worse
Income	400% of PL or more	2003	5.5	2020	4.8	0.4	No change	======	======	======	======	======	======
	Less than 100% of PL	2003	9.8	2020	8.8	0.9	No change	======	400% of PL or more	4.8	8.8	82.2	Worse
	100%-199% of PL	2003	7.6	2020	7.8	1.3	Worsening	======			7.8	62.4	Worse
	200%-399% of PL	2003	6.6	2020	5.7	0.1	No change	======			5.7	17.2	Same
Health insurance	Any private	2003	6.3	2020	5.3	0.1	No change	======	======	======	======	======	======
	Public only	2003	11.4	2020	10.4	0.1	No change	======	Any private	5.3	10.4	96.6	Worse
	Uninsured	2003	5.1	2020	3.6	0.5	No change	======			3.6	-32.0	Better
Metropolitan status	Large fringe metro	2003	6.0	2020	6.7	1.2	Worsening	======	======	======	======	======	======

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	2003	6.7	2020	6.0	0.5	No change	======		Large fringe metro	6.7	6.0	-11.3	Same
	Large central metro	2003	6.8	2020	5.4	0.4	No change	======				5.4	-20.2	Better
	Medium metro	2003	7.1	2020	6.3	0.3	No change	======				6.3	-6.2	Same
	Small metro	2003	7.9	2020	5.5	-0.2	No change	======				5.5	-18.2	Same
	Nonmetropolitan	2003	6.9	2020	6.1	0.6	No change	======				6.1	-10.2	Same
	Micropolitan	2003	6.9	2020	5.3	0.1	No change	======				5.3	-20.8	Same
	Noncore	2003	7.0	2020	7.3	1.4	Worsening	======				7.3	8.0	Same
Age	18-44	2003	6.0	2020	6.2	1.4	Worsening	======		======	======	======	======	======
	0-17	2003	8.0	2020	5.1	-0.8	No change	======		18-44	6.2	5.1	-18.1	Better
	45-64	2003	6.7	2020	6.8	1.0	Worsening	======				6.8	8.3	Same
	65 and over	2003	6.7	2020	5.5	0.2	No change	======				5.5	-11.4	Same
Disability status	Without disability	2013	7.1	2020	5.3	-2.9	Improving	======		======	======	======	======	======
	With any disability	2013	17.1	2020	13.3	-3.0	Improving	======		Without disability	5.3	13.3	150.6	Worse
Gender	Male	2003	5.7	2020	5.0	0.3	No change	======		======	======	======	======	======
	Female	2003	7.8	2020	6.9	0.7	No change	======		Male	5.0	6.9	36.9	Worse
Education	At least some college	2003	6.5	2020	5.7	0.8	No change	======		======	======	======	======	======
	Less than high school graduate	2003	7.0	2020	6.9	0.9	No change	======		At least some college	5.7	6.9	19.5	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
	High school graduate	2003	5.7	2020	7.4	2.0	Worsening	======				7.4	28.4	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. More information and data are available at https://datatools.ahrq.gov/nhqdr.