Analysis of Results

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Scoring

- Use the CAHPS macro version 4.1 for the scoring
  - The macro is an analysis program developed in SAS by CAHPS grantees
  - Macro been updated throughout the years
  - Specifically designed to analyze CAHPS data
  - Macro is available here: https://www.ahrq.gov/cahps/surveys-guidance/helpful-resources/analysis/index.html
- Macro is static
- Users customize a control program to execute the macro

Macro is standardized and flexible

- The macro provides a standardized way to:
  - Construct composite scores out of individual items
  - Adjust for case-mix
  - Estimate cancer center scores
  - Test the significance of cancer center rankings
  - Apply sampling weights
  - Report cancer center quality results
- Flexibility in setting analysis parameters in control program

Case Mix Adjusters

- All are from 'About You' section of survey
- Age
- Education
- General health rating
- Mental health rating
- Survey mode
- Respondent had help with survey

Benchmarking

- Given sufficient data, possible to define benchmarks at different levels
  - National
  - Regional
  - State
  - Other
- Cancer centers can also compare themselves to benchmarks from C&G database
- We recommend 200 completed surveys per unit for reliable estimates
- To generate scores separately by treatment modality, obtain 200 completed surveys per modality

Quality Improvement

- Track your scores over time
- Macro is not designed to do this kind of comparison
- More complex analyses may include:
  - Difference-in-difference for pre-post comparisons
  - For multiple year trends there are a variety of time-series options
- Payment or accreditation models could incorporate both benchmarking and quality improvement

Thank You