

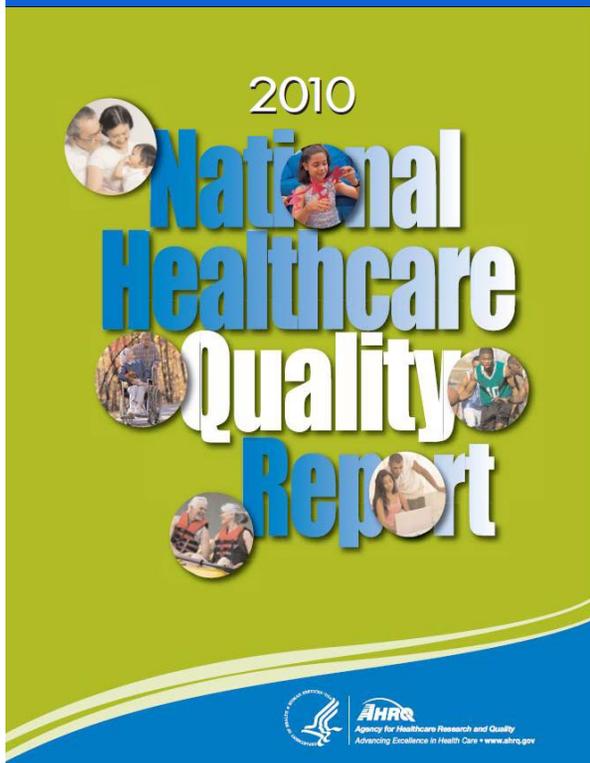


Agency for Healthcare Research and Quality

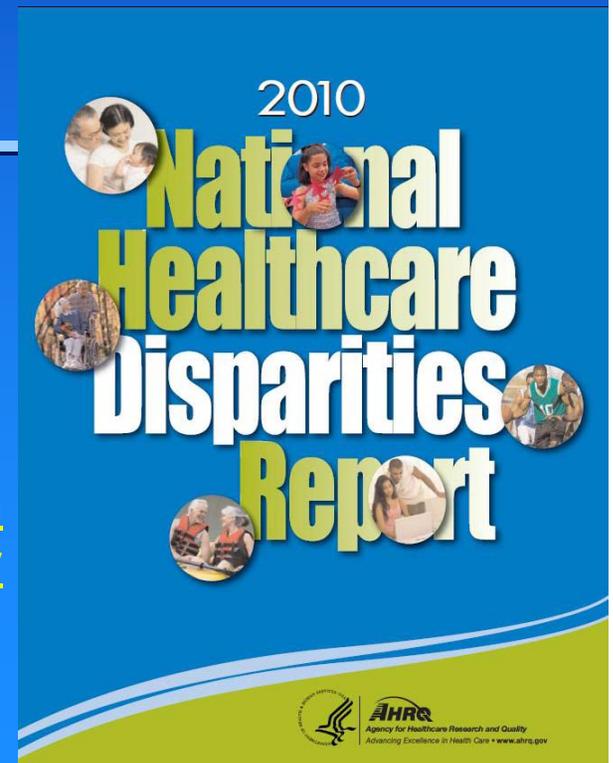
Advancing Excellence in Health Care

www.ahrq.gov

Uses of SES: National Healthcare Quality and Disparities Reports and State Snapshots



Ernest Moy
Ernest.moy@ahrq.hhs.gov
301-427-1329
www.ahrq.gov/qual/qdr10.htm
<http://statesnapshots.ahrq.gov>





Charge of NHQR & NHDR

■ Healthcare Research and Quality Act (PL. 106-129)

- Health and Human Services Secretary required to submit annual report to Congress
- National trends in health care quality (NHQR)
- Prevailing disparities in health care delivery as it relates to racial factors and **socioeconomic factors** in priority populations (NHDR)

■ Institute of Medicine, 2002 and 2010

- Stratify all quality measures
- By OMB race and Hispanic ethnicity categories
- **By socioeconomic status variables (e.g., income, education)**
- By insurance status
- Marian Gornick: Measuring the Effects of SES on Health Care, 2002
http://www.nap.edu/openbook.php?record_id=10512&page=45



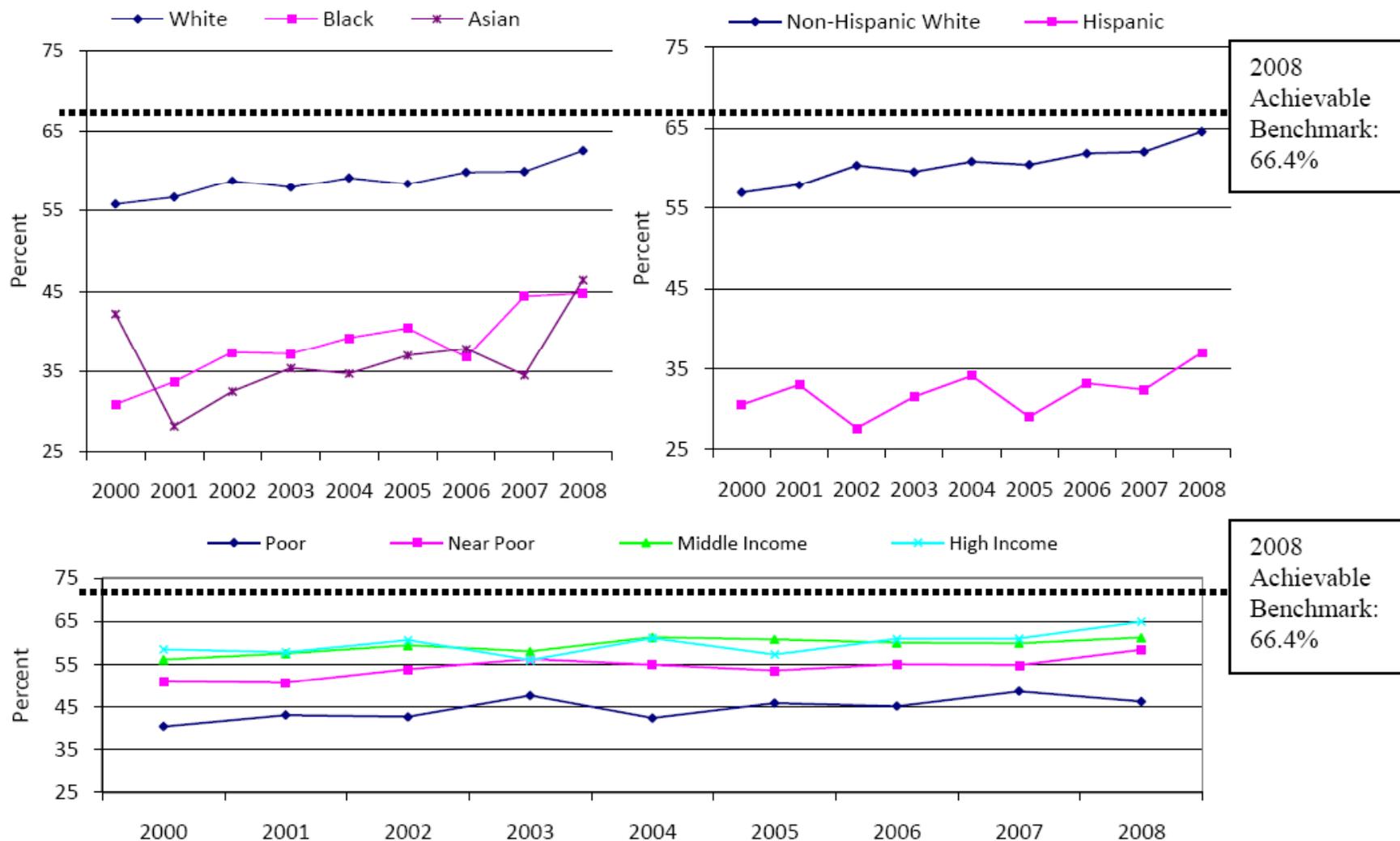
NHQR / NHDR Constraints / Choices

- Extant data only, but standardize
- SES Hierarchy / HP2010
 - Household income relative to federal thresholds: <1x, 1-1.99, 2-3.99, 4+
 - Individual education: <12 yrs, 12, >12
 - Insurance type:
 - <65: Any private, public only, none
 - 65+: Medicare + private, Medicare + public, Medicare only
 - Area income: Quartiles
- Not composite



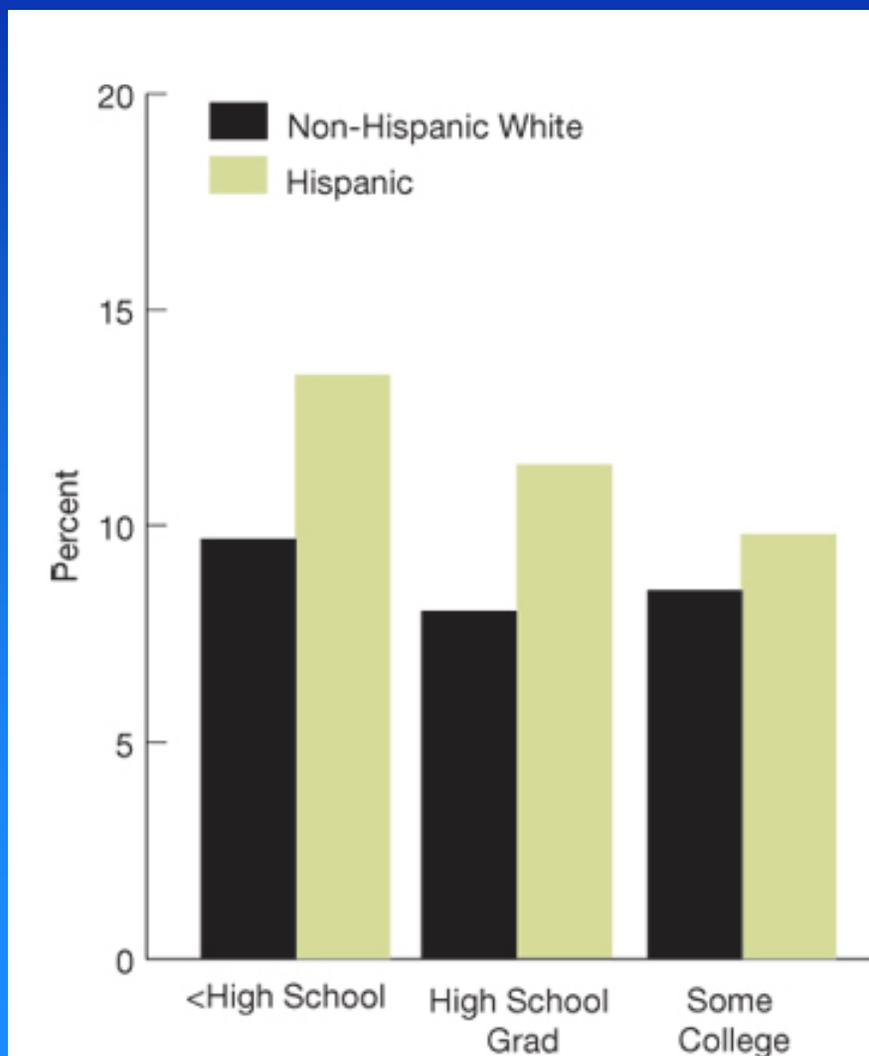
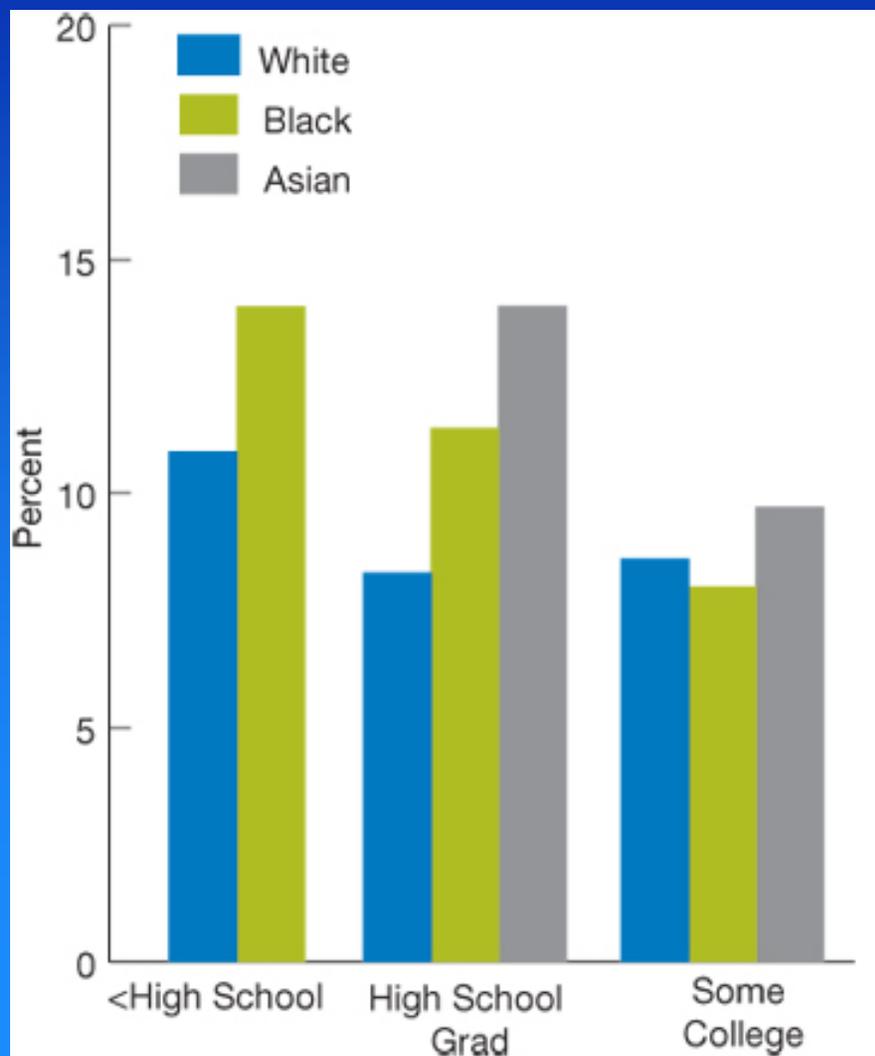
Achievable Benchmarks of Care for Disparities Eliminations (A-E)

Figure 2.29. Adults age 65 and over who reported ever receiving pneumococcal vaccination, by race, ethnicity, and income, 2000-2008



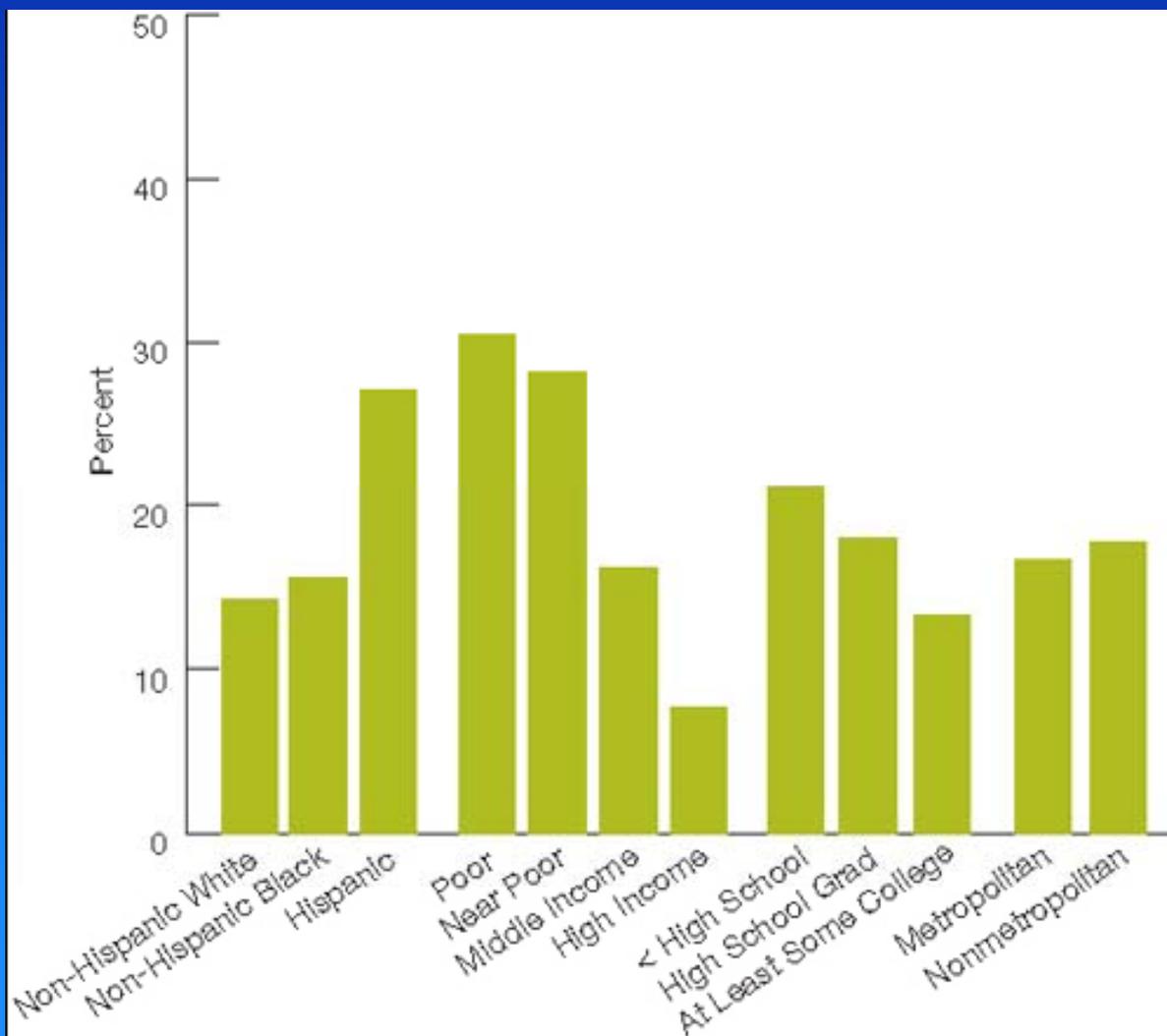


Stratified Analyses: Adults Reporting Poor Communication



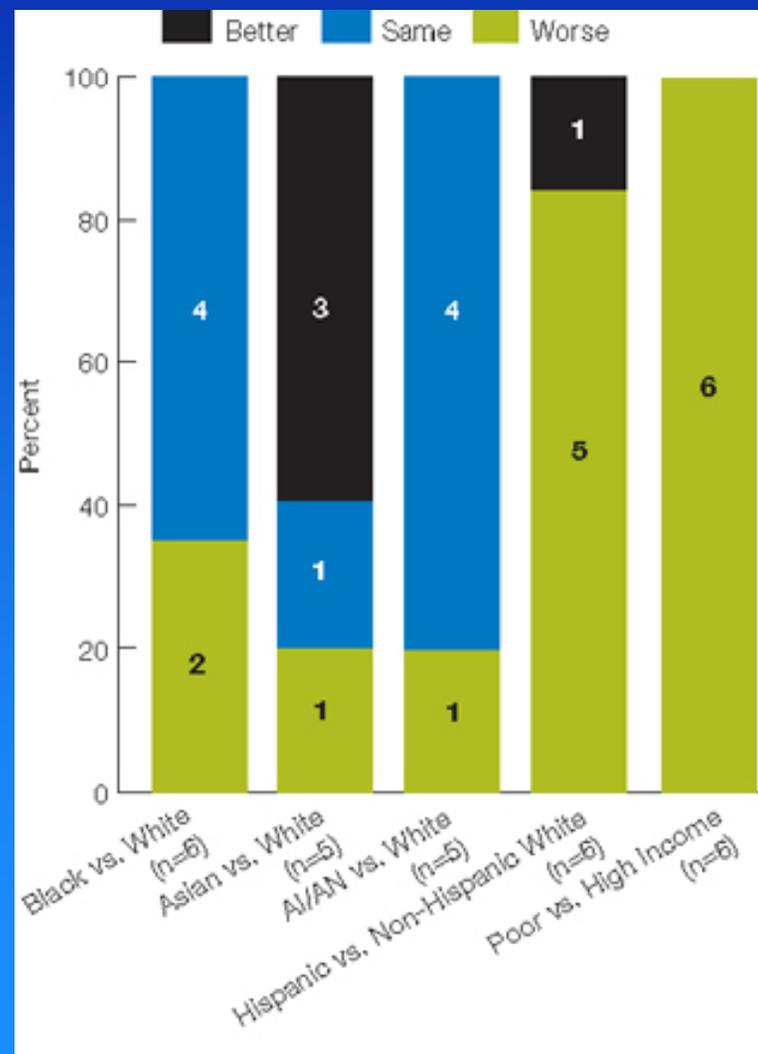
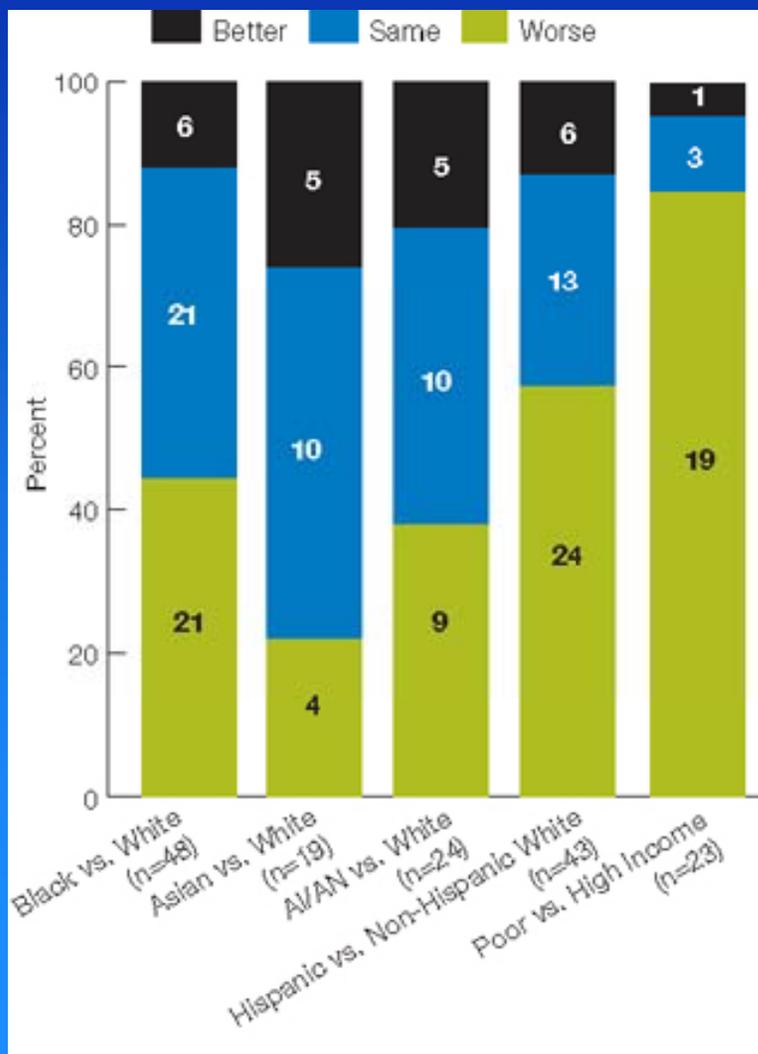


Regressions: Adjusted % of People <65 Uninsured All Year



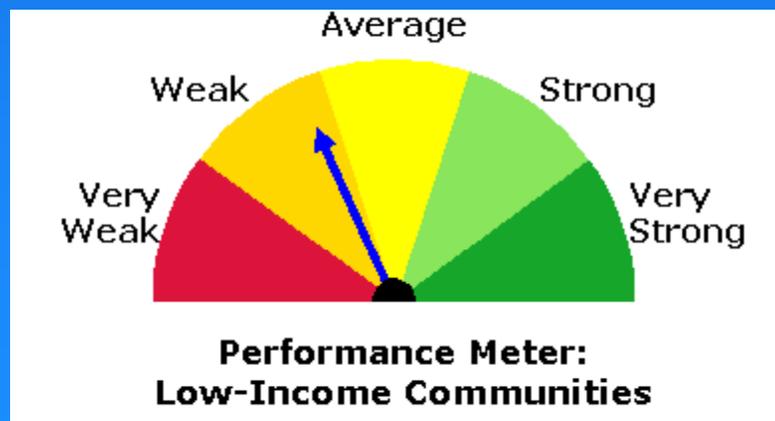
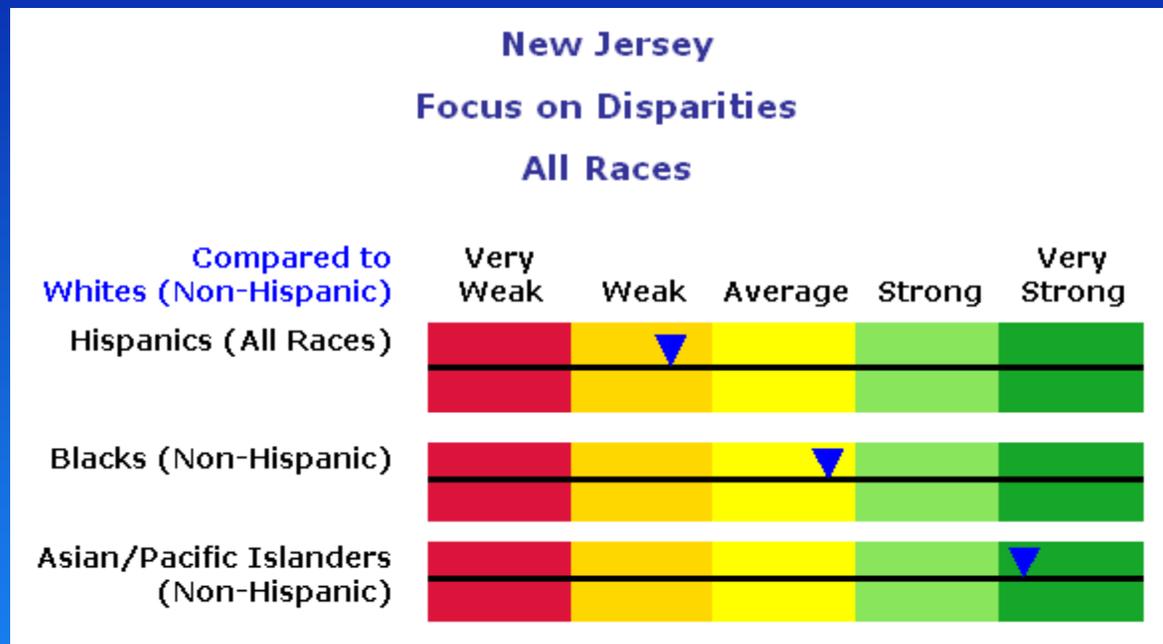


Disparities in Core Measures: Quality (L) and Access (R)



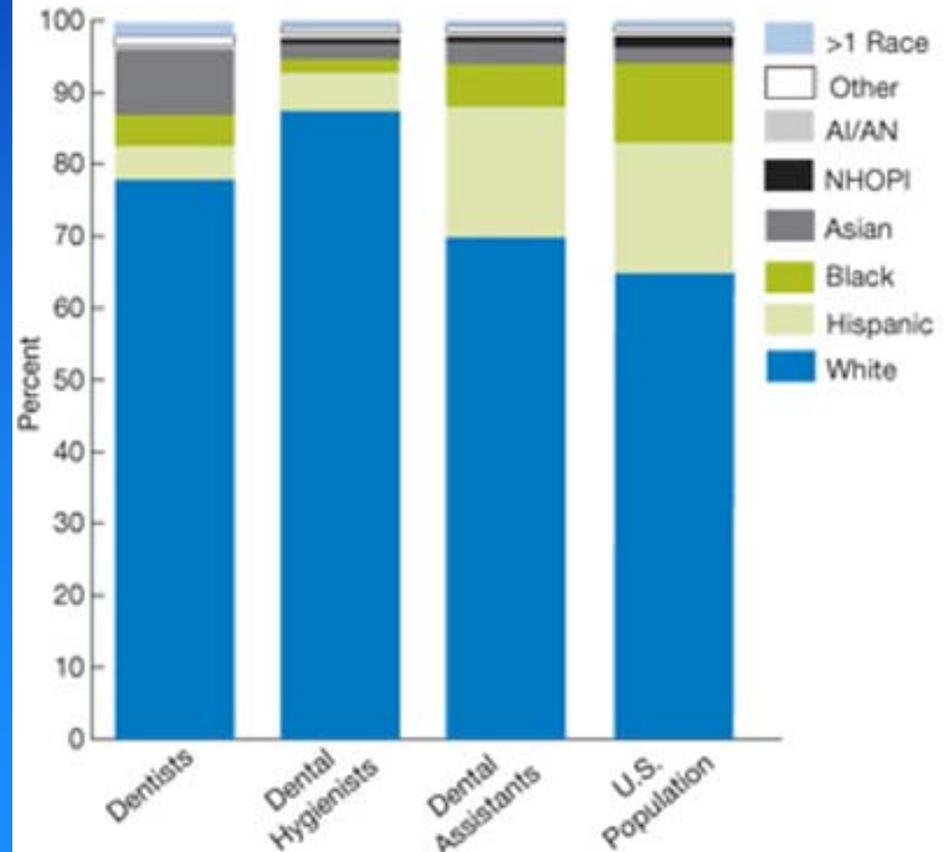
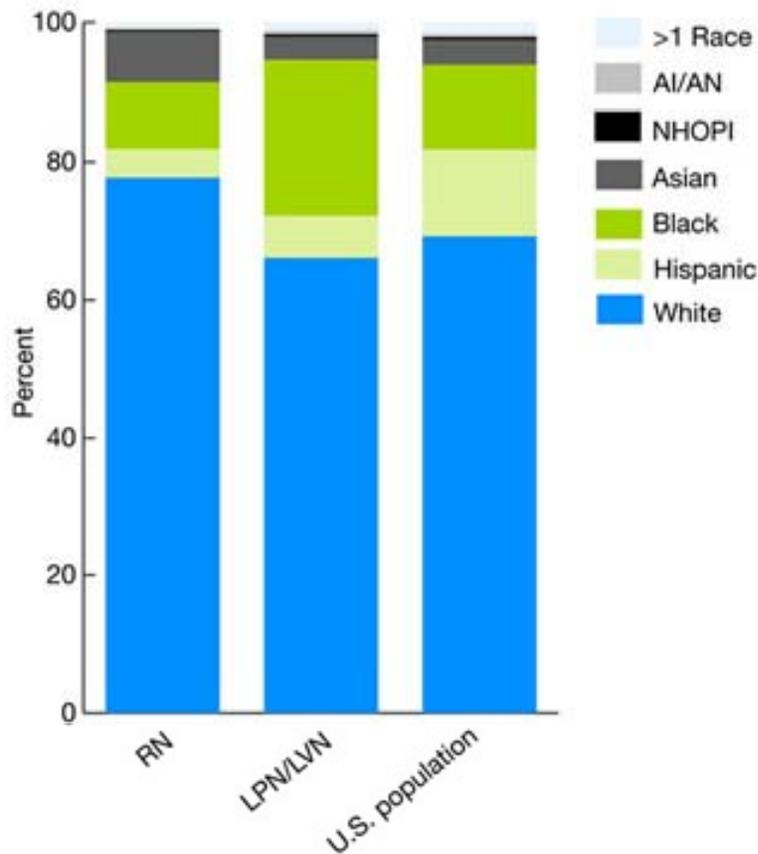


Variations in Magnitude of Disparities Across States





Occupation and Workforce Diversity





Index of SES for Medicare Beneficiaries Based on Block Groups

Occupation			
	Unemployment	Percentage of persons aged 16 years or older in the labor force who are unemployed (and actively seeking work)	-0.66
Income			
	Below US poverty line	Percentage of persons below the federally defined poverty line	-0.79
	Median income	Median household income	0.85
Wealth			
	Property values	Median value of owner-occupied homes	0.64
Education			
	Low education	Percentage of persons aged > 25 years with less than a 12th-grade education	-0.84
	High education	Percentage of persons aged > 25 years with at least 4 years of college	0.79
Housing			
	Crowded households	Percentage of households containing one or more person per room	-0.56



SES Issues

- Most federal surveys collect income, education, and insurance in ways that can be standardized.
- Information of wealth and childhood SES generally not available.
- In health care, SES factors related to financial assets (income, wealth) can have different effects than SES factors related to social assets (education, spouse's education, health literacy).
- Occupation?