

Healthy People: Data Requirements

Secretary's Advisory Committee on National Health
Promotion and Disease Prevention Objectives for 2030

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Outline

- **Introduction**
- **Contributions of NCHS to Healthy People**
- **Planning for Healthy People 2030: Data Considerations**

Introduction

About NCHS

The nation's principal health statistics agency since 1960

Mission: The mission of the National Center for Health Statistics (NCHS) is to provide statistical information that will guide actions and policies to improve the health of the American people. As the Nation's principal health statistics agency, NCHS leads the way with accurate, relevant, and timely data.

Part of CDC since 1987





NCHS Data Collection Programs



**National Vital
Statistics
System**



**National
Health
Interview
Survey**



**National
Health and
Nutrition
Examination
Survey**



**National
Health Care
Surveys**



**National
Survey of
Family
Growth**



http://www.cdc.gov/nchs/data/factsheets/current_surveys_2016.pdf

In addition to its major data collection programs, NCHS fulfills its mission by conducting targeted surveys and through its Data Linkage Program.

Contributions of NCHS to Healthy People

Role of NCHS/HPSB in Healthy People

- Serve as **Statistical Advisor** to HHS and the Topic Area workgroups on health promotion data
- Research and develop methods for measuring the **overarching goals** of Healthy People (e.g., health disparities)
- Create **analytic and graphical presentations** to display progress towards reaching the goals and objectives
- Maintain comprehensive **database** for all the Healthy People objectives
- Provide **expertise and technical assistance** to national, state, and local health monitoring efforts.

Healthy People Website

□ HealthyPeople.gov

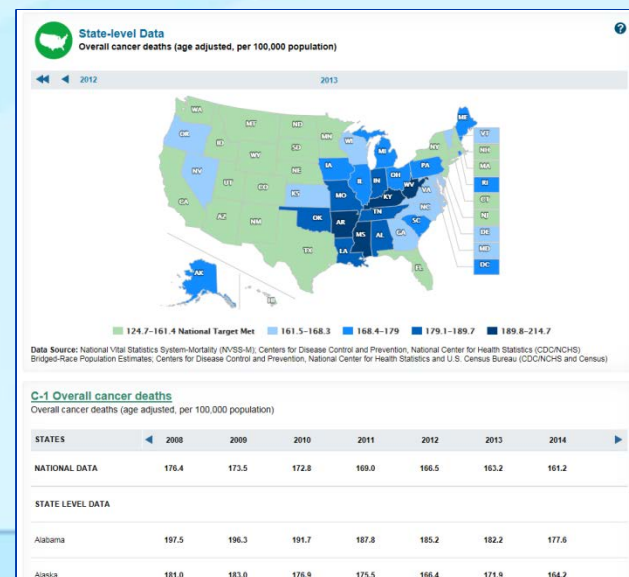
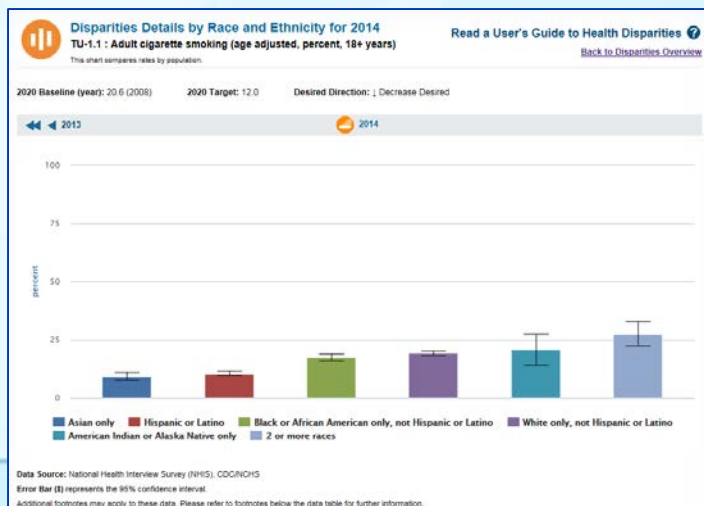
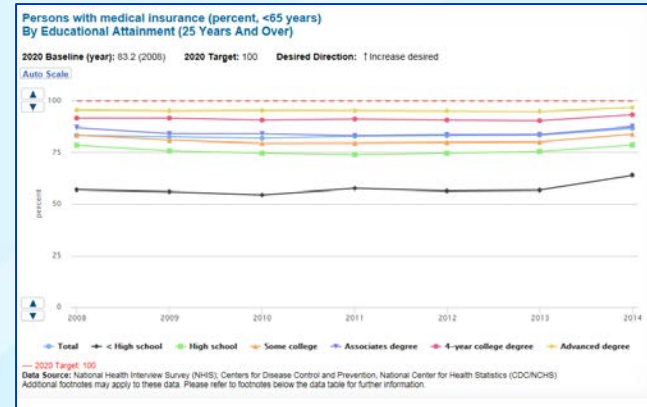
■ DATA2020:

- National and State Data
- Totals and Population Data

■ Charting Tools: Trends and population data

■ Disparities Tool: Disparities-related graphics and text

■ State-level Maps: Maps



Analysis and Data Visualization

□ Leading Health Indicators

- Monthly bulletins: Infographics and bullets
- Bimonthly webinars: Data slides

□ Progress Reviews

□ Midcourse and Final Review

- Snapshots of data to assess:

- Progress toward Healthy People 2020 overarching goals and objective targets
- Disparities by demographic variables including geography (maps), where data are applicable and reliable

Current Cigarette Smoking by Educational Attainment, 2015

A [October 2016 Tobacco LHI Infographic](#) for age-adjusted rates of current cigarette smoking varied by educational attainment in 2015.

3.7% among adults with an advanced degree

7.3% among adults with a 4-year college degree
(twice the best group rate)

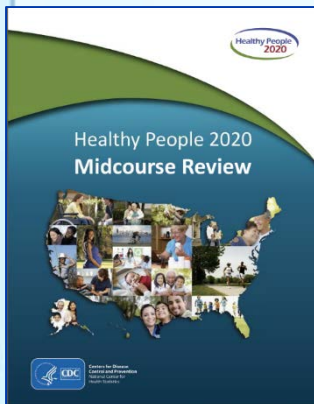
16.4% among adults with an associate's degree
(4.5 times the best group rate)

19.0% among adults with some college education
(more than 5 times the best group rate)

22.9% among high school graduates
(more than 6 times the best group rate)

25.6% among adults with less than a high school education
(7 times the best group rate)

Data source: National Health Interview Survey (NHIS), CDC/NCHS.



Tools and Technical Assistance

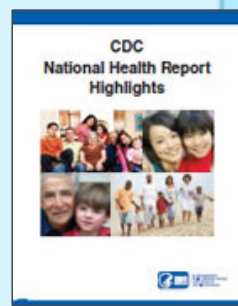
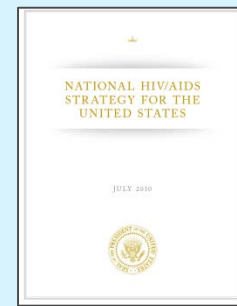
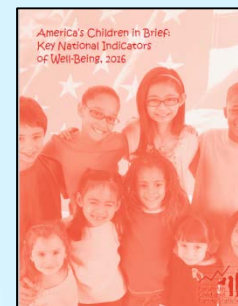
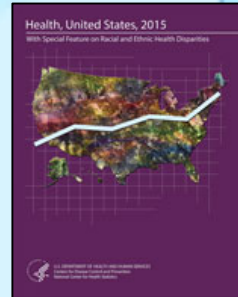
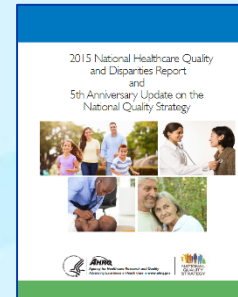
- Healthy People data for benchmarking
- Statistical workshops
- Technical assistance to stakeholders
 - State and local health departments
 - Academia
- Research and dissemination
 - Statistical Notes
 - Published research



Healthy People 2020 Leading Health Indicators: Progress Update

Progress Toward Target*	Leading Health Topic and Indicator	Baseline (Year)	Most Recent (Year)	Target
Access to Health Services				
🟡	AHS-1.1 Persons with medical insurance (percent, <65 years)	83.2% (2008)	83.1% (2012)	100.0%
🟡	AHS-3 Persons with a usual primary care provider (percent)	76.3% (2007)	77.3% (2011)	83.9%
Clinical Preventive Services				
+	C-16 Adults receiving colorectal cancer screening based on most recent guidelines (age adjusted, percent, 50-75 years)	52.1% (2008)	59.2% (2010)	70.5%
+	HDS-12 Adults with hypertension whose blood pressure is under control (age adjusted, percent, 18+ years)	43.7% (2005-06)	48.9% (2009-12)	61.2%
🟡	D-5.1 Persons with diagnosed diabetes whose A1c value is >9 percent (age adjusted, percent, 18+ years)	17.9% (2009-08)	21.0% (2009-12)	16.1%
+	ID-8 Children receiving the recommended doses of DTaP, polio, MMR, Hib, hepatitis B, varicella and PCV vaccines (percent, aged 19-35 months)	44.3% (2009)	68.5% (2011)	80.0%
Environmental Quality				
+	EH-1 Air Quality Index (AQI) exceeding 100 (number of billion population, unadjusted, by population, and Air Quality Index)	2,237 (2006-08)	1,252 (2006-11)	1,980

Harmonizing Measures across National Health Monitoring Efforts



Other HHS Initiatives

Planning for Healthy People 2030: Data Considerations

HP2020 Criteria for Selecting Objectives

- Important and understandable to a broad audience
- Prevention oriented and should address health improvements
- Drive actions that will work toward the achievement of the proposed targets
- Useful and reflect issues of national importance
- Measurable and should address a range of issues
- Continuity and comparability (relative to previous Healthy People iterations)
- Supported by the best available scientific evidence
- Address population disparities
- Valid, reliable, nationally representative data and data systems

**Accurate, relevant, timely data are
relevant to all these criteria**

Data Sources

- **HP2020 uses about 200 data sources**
- **Top 7 data sources account for 465 objectives (42.7%)**
 - National Health Interview Survey (NHIS)
 - National Health and Nutrition Examination Survey (NHANES)
 - National Vital Statistics System (NVSS)
 - School Health Policies and Practices Study (SHPPS)
 - National Survey of Family Growth (NSFG)
 - National Immunization Survey (NIS)
 - Youth Risk Behavior Surveillance System (YRBSS)

Possible Options for Focusing

- **Data source considerations**
 - National representativeness
 - Statistical reliability
 - Response rate
 - Availability to public
 - Timeliness of data
 - State/local
- **Core vs. supplemental – national vs. programmatic measures**
- **Specific and more well-defined objective selection criteria**
- **Strict limit on objectives and/or topic areas**

Key Takeaways

- **Data play an important role in Healthy People**
- **Burden of collecting, analyzing, and disseminating Healthy People data is substantial**
- **A more focused set of objectives would provide:**
 - Increased opportunities for research, dissemination and technical assistance by NCHS
 - *A more useful HP endeavor overall*
- **Healthy People is national, but health status/delivery are local**

Online Resources

Healthy People Site:

<http://www.healthypeople.gov>

NCHS Healthy People Site:

http://www.cdc.gov/nchs/healthy_people.htm

Healthy People Statistical Notes:

http://www.cdc.gov/nchs/products/hp_pubs.htm



The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.