National Conference on Health Statistics

NATIONAL CENTERFOR HEALTH STATISTICS

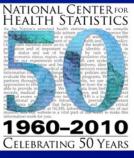
As the Nation's principal health statistics agoncy, we compile statistical information to guide actions and policies to improve the health of our people. We are a unique public resource for health information - a critical element of public health and Our health statistics allow us to: document the health status of the population and of important submount, identify d health status and use of health same by race of socioeconomic status, region, and other population characteristics, describe our experiences with the health care system, monitor trends in health status and health care delivery, iden the health problems, support biomedical and health services research, provide information for making changes in public policies and programs, evaluate the impact of health policies and programs. Working with partners throughout the health community, we use a variety of approaches to efficiently obtain information from the sources most able to provide information. We collect data from birth and death records, medical records interview surveys, and through direct physical exams and laboratory testing NCHS is a key element of our rational public health infrastructure providing important surveillance information that helps identify and address critical health problems. Here at NCHS, information is at the core of our mission, and our website is a vital part of our errort to make this information work for you.

1960–2010

Celebrating 50 Years

Data for Action and Health Reform







NCHS at 50

A brief history ...

- NCHS today
 - Our principal roles
- Impact of Reform
- A glimpse of the future
 - Dissemination and Community Data

But first....

- Thank you to our plenary speakers
 - Thomas Frieden (this morning)
 - Ed Spar (this afternoon)
 - Bob Groves (this afternoon)
 - Kathy Wallman (this afternoon)
 - Connie Citro (this afternoon)
 - Michael Wolfson (Wednesday morning)

But first....

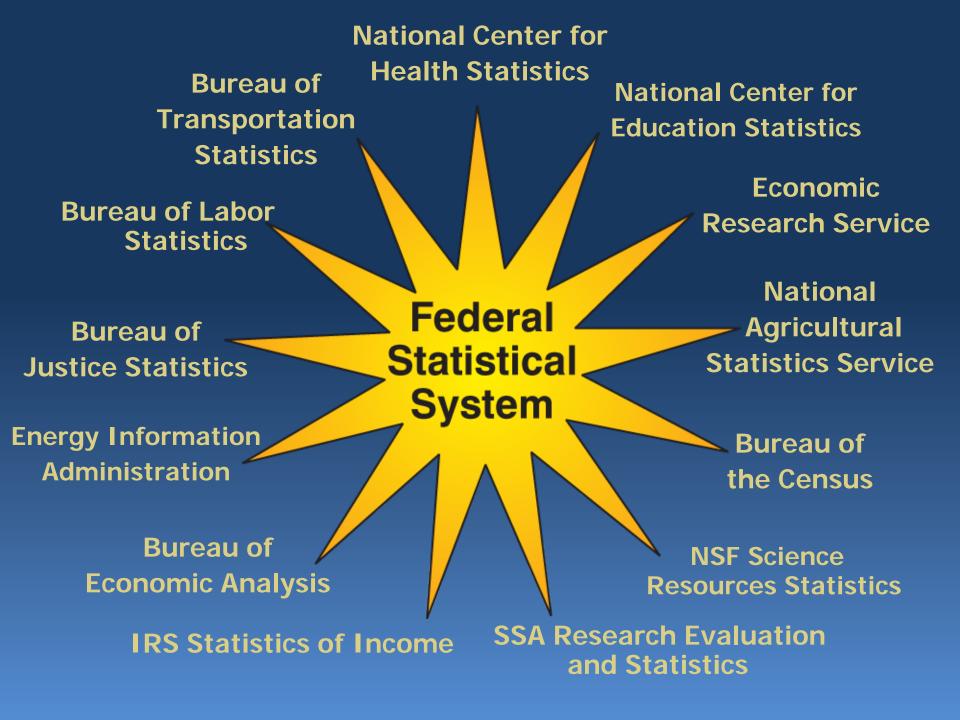
Thank you to our NCHS
Conference Committee
Our Speakers and
Our Reception's Sponsors

We invite you to...

- Our Conference sessions, exhibits and posters
- Join us for tonight's reception
- Give us your feedback—attend our informal session in the Senate room during lunchtime today or tomorrow

A Brief History ...

- 1956: Congress passed the National Health Survey Act
- 1960: NCHS was established
 - Brought together the National Health Survey and the National Office of Vital Statistics
- Mission:
 - Monitor Health and Health Care
 - State and local needs (Cooperative Program)
 - Research and Training



Committee on National Statistics

of the National Academy of Sciences

HIGHLIGHTS

Principles and Practices for a Federal Statistical Agency

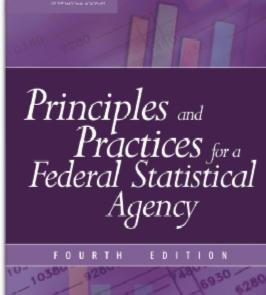
Fourth Edition • 2009

Four Principles for an Effective Statistical Agency

- A federal statistical agency must be in a
 position to provide objective information that
 is relevant to issues of public policy. Objective
 information is information that is as accurate and
 comprehensible as possible and is not intended to
 promote a particular policy position or group
 interest
- A federal statistical agency must have credibility with those who use its data and information. Few data users are in a position to

Eleven Practices for an Effective Statistical Agency

- A Clearly Defined and Well-Accepted Mission
- Continual
 Development of More Useful Data
- Openness About Sources and



Origin, Program, and Operation of the U.S. National Health Survey

HEALTH STATISTICS

FROM THE U.S. NATIONAL HEALTH SURVEY

plan and initial program of the Health Examination Survey

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE



DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

A Brief History ...



The Health Survey's major programs

- Health Interview Survey (1957)
- Health Examination Survey (1959)
 - → Health and Nutrition Examination Survey

- Health Records Survey (1965)
 - → Health Care Surveys
- National Survey of Family Growth (1973)
- State and Local Area Integrated Telephone Survey (1997)

Plus Others

A Brief History ...



- The Health Survey's major programs
- Health Interview Survey (1957)
- Health Examination Survey (1959)
 - → Health and Nutrition Examination Survey

- Health Records Survey (1965)
 - → Health Care Surveys
- National Survey of Family Growth (1973)
- State and Local Area Integrated Telephone Survey (1997)

Vital Statistics (Ancient Egypt, 900, 1946, 1960)

QUESTIONNAIRE

The items below show the exact content and wording of the basic questionnaire used in the nationwide household survey of the U.S. National Health Survey. The actual questionnaire is designed for a household as a unit and includes additional spaces for reports on more than one person, condition, accident, or hospitalization. Such repetitive spaces are omitted in this illustration.

L	CONFIDENTIAL - The National Health Survey is authorized by Public Law 652 of the 84th Congress (70 Stat 489; 42 U.S.C. 303). All information which would permit identification of the individual will be held strictly confidential, will be used only by persons engaged in and for the purposes of the survey, and will not be disclosed on released to others for any others for any others.																						
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	(b) Mailing address if not shown in (a): Include city, zone and State																			7. (a)	Segment type		
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	(a) Does this place have 10 or more acres? If "rent" in Item 9, ask: (b) Does the place you rent have 10 or more acres?												12. Ask in ALL segments: (Ask only if Item 2(a) address indicates a SINOLE-UNIT structure-). Are there any occupied or vocant living queriers BESIDES YOUR OWN - in the basement? on this floor? or on any other floor of this building? Yes (YIII Table X for each quarters NOT Itelest.) No										
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2009 NHIS Questionnaire - Sample Adult

Adult Identification

Document Version Date: 12-Apr-10

Question ID: AID.005_00.000 Instrument Variable Name: SADULT QuestionnaireFileName: Sample Adult

QuestionText: * The sample adult person is [fill: ALIAS of Sample Adult]. The next questions must be answered by this person. Probe

as necessary to determine the availability of [fill: ALIAS of Sample Adult].

* If refused enter CTRL-R

Available

2 Not available

3 Physical or mental condition prohibits responding

7 Refused

UniverseText: This is the Sample Adult and (the Sample Adult section has not been started or completed).

SkipInstructions: <1> if Sample Adult = demographics.hhc.RELRESP_A

goto beginning of adult.asd

elseif Sample Adult = demographics.hhc.HHRESP

goto beginning of adult.asd

else

goto AIDVERF S

endif

<2> goto callbk.ACALLBK1

<3> goto PROX1

<R> store '4' in ASTAT

if recontact.RCIFLAG ne '1'

goto recontact.RCI_BEGIN procedure

else

goto back.OUTCOMEB1 procedure

Mobile Exam Center Circa 1960



Mobile Exam Center Today



1960 Data Challenges (National Health Survey Act)

- Number and characteristics of persons suffering from heart disease, cancer, diabetes, arthritis and rheumatism, and other diseases, injuries and handicapping conditions...
- Need for reasonably current periodic inventories
 - For appraising true state of health
 - For adequate planning to improve health
 - For research in the field of chronic diseases
 - For measurement of the numbers of persons in working ages so disabled as to be unable to perform gainful work

Current Data Challenges

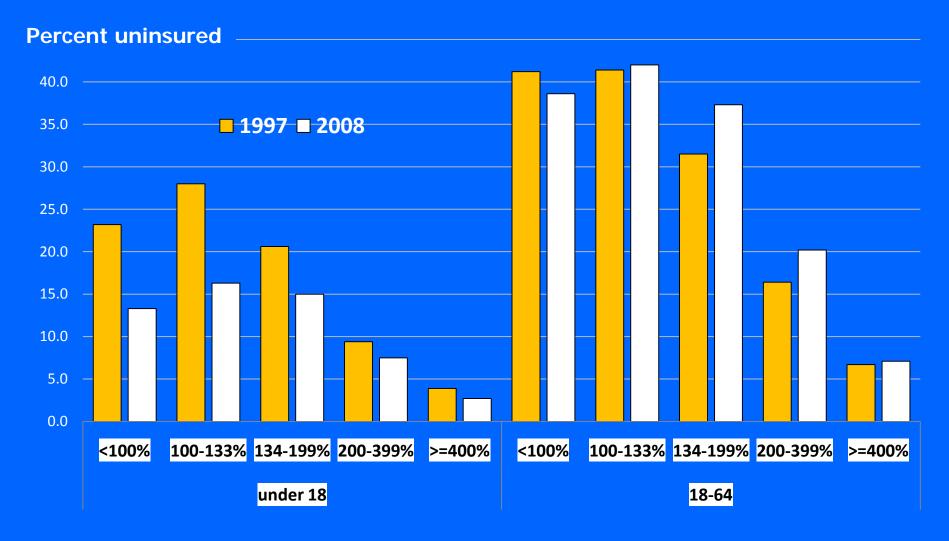
- Health Reform/Affordable Care Act
 - What are the data needs in this time of health reform?
- Open Government and Community needs
 - How is NCHS meeting state and local (community) needs
- Dissemination
 - How do we focus our data to meet research and policy needs?

Patient Protection and Affordable Care Act

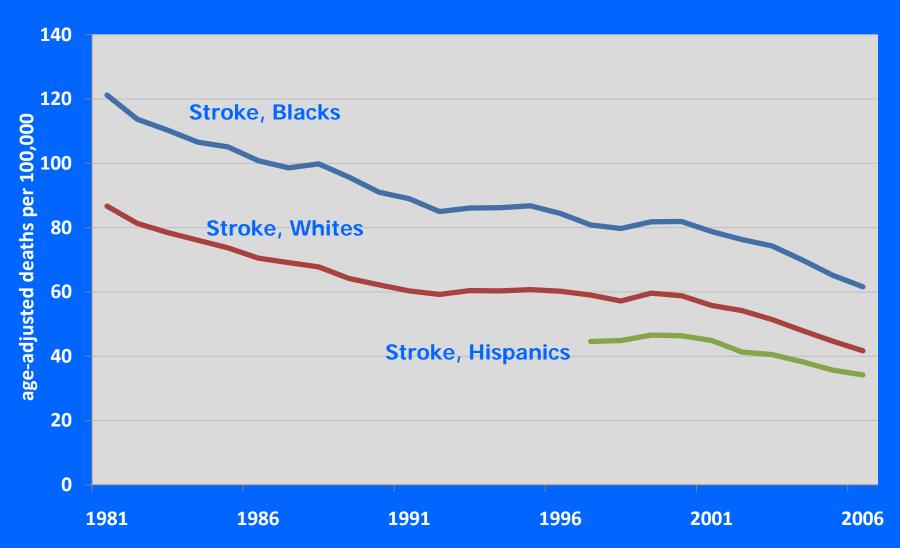
Affordable Care Act Data and Measurement Provisions

- Vital statistics
- Quality improvement
- Disparities
- Levels of geography
- Health outcomes
- Oral health
- National health indicators

Uninsured Rates for Persons Under Age 65, By Poverty Status and Age, 1997 and 2008

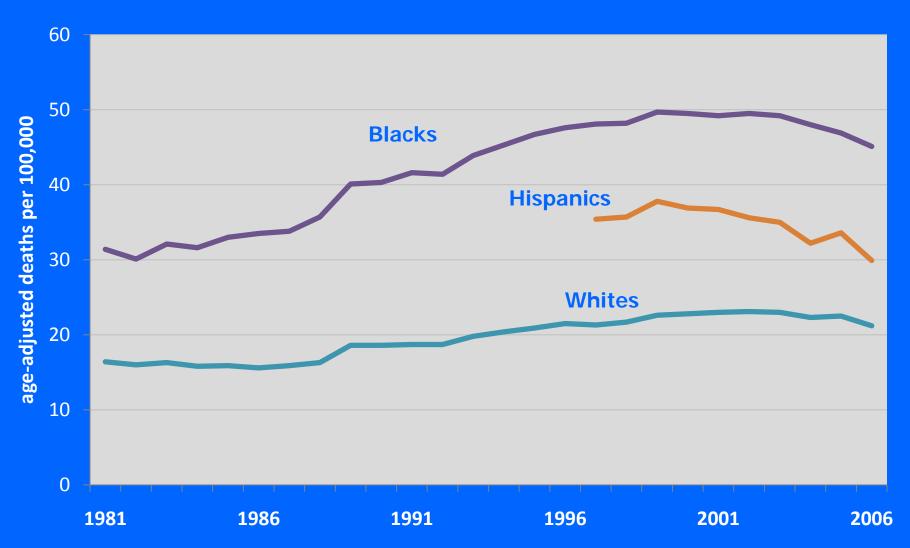


Trends in Stroke Mortality, By Race and Ethnicity, 1981-2006



Source: CDC/NCHS, National Vital Statistics System

Trends Diabetes Mortality, By Race and Ethnicity, 1981-2006



Source: CDC/NCHS, National Vital Statistics System

Affordable Care Act Evaluation Assessing change over time in ...

- Coverage and access to care
 - Low and middle-income families and childless adults
 - Dependents up to age 26
- Barriers to primary care
- Access to care for chronic conditions
- State variation in coverage and access
- Use of clinical preventive services (no longer subject to cost sharing)
- Population health and health disparities
- Electronic Health Records: Adoption and meaningful use

Affordable Care Act

- Requires data on health status and access to care by sub-populations
 - Race and ethnicity (and underserved rural and frontier populations)
 - Primary Language
 - Sex
 - Disability status
 - Plus (possibly) other factors
- Collected at the lowest geographic level—
 - Data for local level decision-making

NCHS Challenge: With Limited Resources to Navigate Competing Priorities

- Which data are most critical for setting baselines and measuring impact of programs and policies?
- What are the most important new data elements and for which populations?
 - Geographic detail
 - Which sub-populations?

NCHS Program Changes to Meet Affordable Care Act/ARRA

Program Changes...

Affordable Care Act: New survey questions

- For example new questions on the NHIS about health insurance coverage
- Adding new questions to long-term care surveys to respond to anticipated direct care workforce shortages
- Developmental work on questions about delivery of clinical preventive services
- Assessing adoption and meaningful use of Electronic Health Records

Program Changes...

Expanding sample size of our surveys to provide more data for subpopulations

- Selected state-level estimates from the NAMCS on primary care visits
- Surveying new provider settings including community health centers and residential care places

NAMCS = National Ambulatory Medical Care Survey

NCHS Continuing Priorities ...

- Timeliness
- Research to improve quality
- Data access for confidential and non-confidential data
- Targeted dissemination for research and policy [National and Community]
- And support of joint agency efforts ...

A Word About Timeliness

- Two Examples:
- Health Interview Survey
 - Key indicators quarterly
 - Full year within 6 months of close
- NHANES
 - Full year of data within 8 months of close

Timeliness

- Future expansion of electronic registration systems for birth and death (with NAPHSIS)
- NAMCS mail survey supplement on use of Electronic Medical Records
- Continuous interviewing design for National Survey of Family Growth

Quality

- Scientific review of all NCHS programs by our Board of Scientific Counselors
- Improved interviewer training for Census interviewers for NHIS
- Use paradata to improve management and quality of data collection
- Research to assess impact of cell phones and response rates

Access

- New publications, including Data Briefs series and Health US in Brief
- Advances to NCHS website including award-winning NHANES tutorial, tools such as *Health Data Interactive* and *VitalStats* and development of Indicators Warehouse
- Expansion of network of Research Data Centers
- Work to expand data linkages across agencies, and

Dissemination

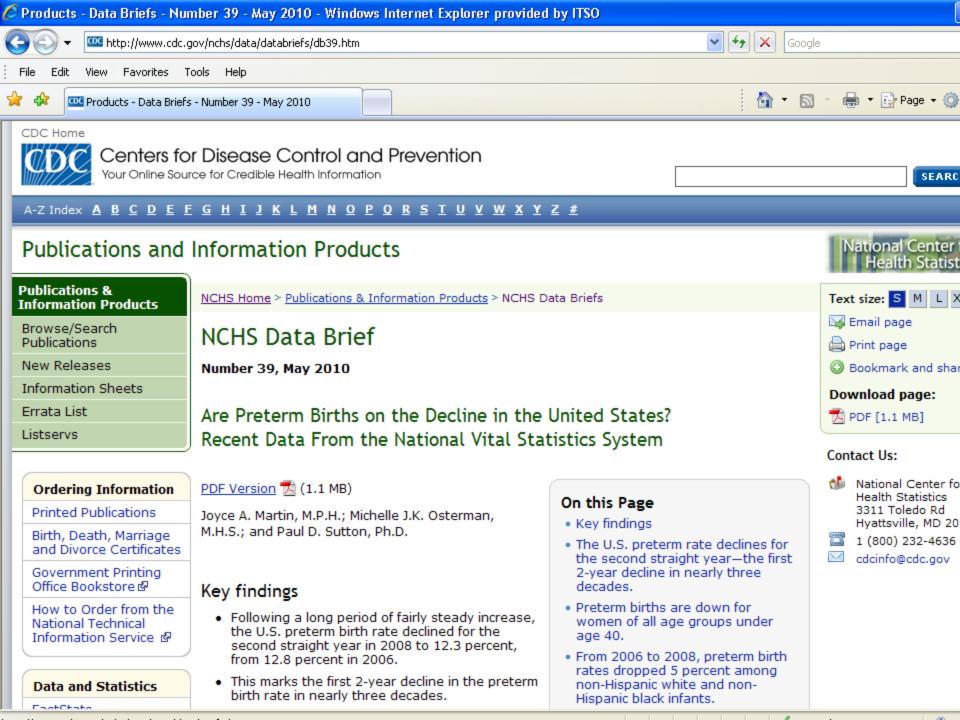
Health, United States, 2009

with Special Feature on Medical Technology

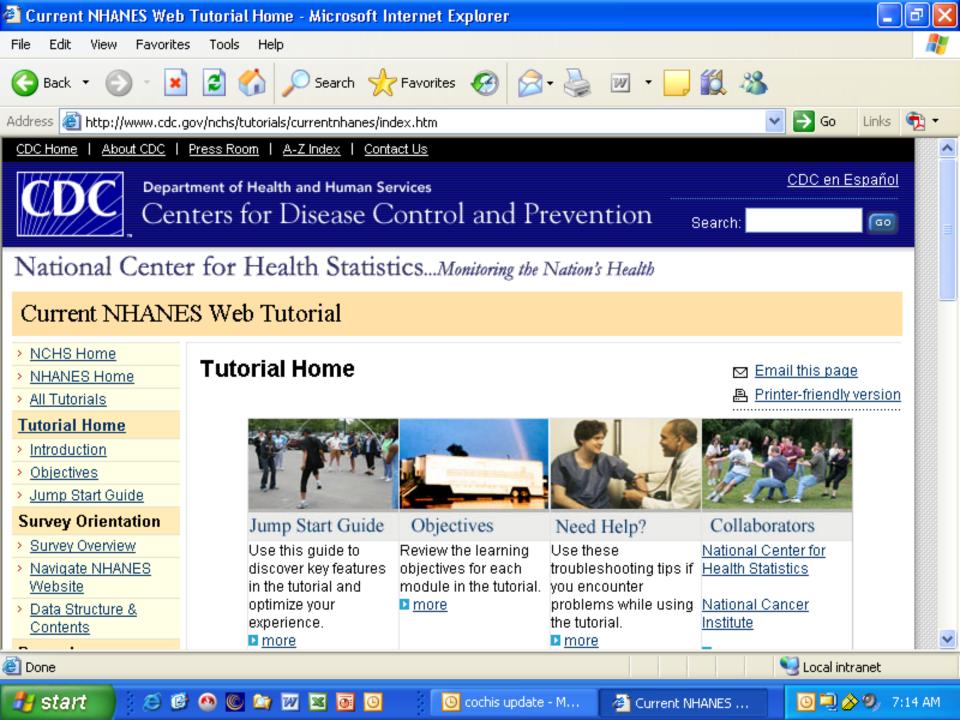




U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics







Census and NCHS Research Data Centers



NCHS Continuing Priorities ...

- Timeliness
- Research to improve quality
- Data access for confidential and non-confidential data
- Targeted dissemination for research and policy [National and Community]
- And support of joint agency efforts ...

Tracking Healthy People



About NCHS STATS A to Z

s and Data n Systems NHANES NHCS > NHIS . NIS . LSOAS NSFG . AITS .

> stics » On a

National Center for Health Statistics Healthy People ... tracking the Nation's health NCHS Home | Healthy People 2000 | Healthy People 2010
Related Links | CDC/NCHS Privacy Policy Notice | Accessibility

...the Healthy People 2010 Database



About DATA 2010

- What is DATA2010?
- How to access DATA2010
- Information included in data tables
- How to construct data tables Advanced Selection Options

Information on web browser characteristics

to DATA2010

is DATA20102

WONDER Home

COC Home Search Health Topics A-Z

CDC WONDER



About DATA2010

Definitions

Web-browser Specific Information

Contact DATA2010 Staff

...the Healthy People 2010 Database

Database updated May 2009. Next databass update schedule is Summer 2009 (click here

for more info). Note: If SUBMIT table generation fails, select Excel focus area data spreadsheets Olula

(last option) below. Data by focus area (including Steps to a HealthierUS (measures), and Leading Health Indicators

MONTO)

Contact Us









OLDER AMERICANS 2010

Key Indicators of Well-Being



Beltsville \ BARC

Human Nutrition

Food Surveys

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Printable Version

= E-mail this page

Links

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This site only V



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- Research
- Products & Services
- Publications
- What We Eat In America, NHANES
- What's In The Foods You Eat Search Tool, 4.0
- USDA Food and Nutrient Database for Dietary Studies
- MyPyramid Equivalents Database
- HSDA Automated

Products & Services



WHAT WE EAT IN AMERICA

You are here: Products & Services / What We Eat In America, NHANES

... source of data on food and nutrient intakes of Americans

Data Data Research Overview

Tables Briefs Articles FAQs

Dietary Data Documentation Data Sets Tutorial

Overview

An Integrated Federal Food Survey

Fact Sheets (2005-2006) 2001-2002 2003-2004

Data Collection

Information Collected During Interview

Data Processing

WWEIA/NHANES Data Release

Dietary Intake Data Files

Dietary Data Web Tutorial

Suggested Citations

CDC's Winnable Battles

- Tobacco use
- Nutrition/obesity
- HIV
- Healthcare associated infections
- Motor vehicle accidents
- Teen pregnancy

Demand for Data at The Community Level

Data at The Community Level Health Indicators Warehouse

Health Indicators Warehouse

- Aims
 - Wider dissemination and application of health indicators and HHS data
 - Harmonize and improve data quality

 Warehouse is the core of the HHS Community Health Data Initiative under Open.gov





BLOG

PHOTOS & VIDEO

BRIEFING ROOM

ISSUES

Home • The Administration • Open Government Initiative

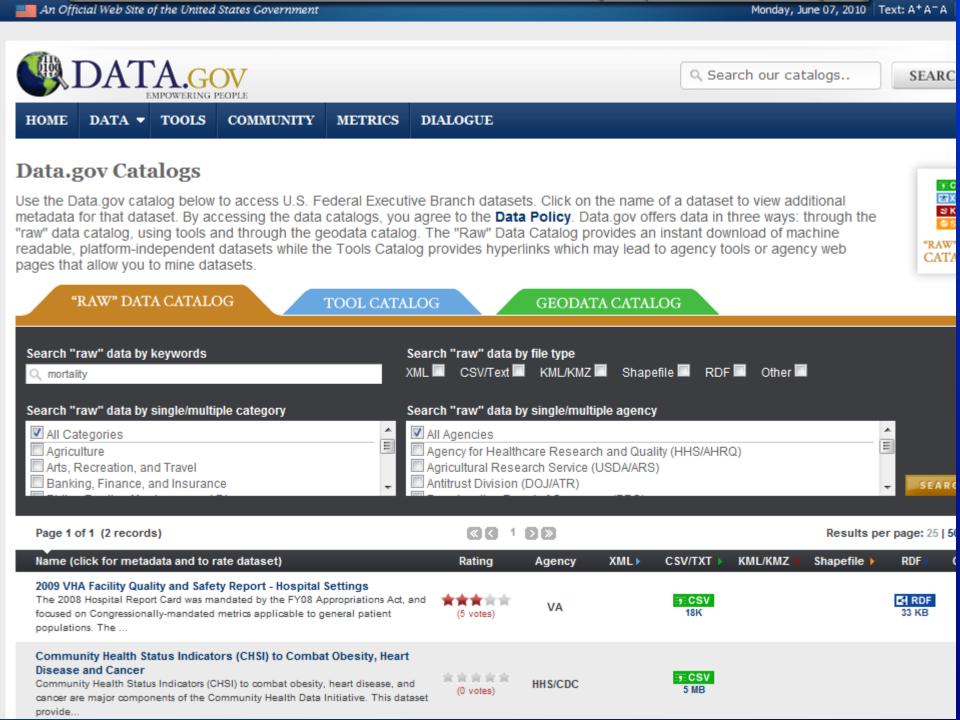
Open Government Initiative

About Open Government | Open Gov Blog | Around the Gov

My Administration is committed to creating an unprecedented level of openness in Government. We will work together to ensure the public trust and establish a system of transparency, public participation, and collaboration. Openness will strengthen our democracy and promote efficiency and effectiveness in Government.

- PRESIDENT OBAMA, 01/21/09





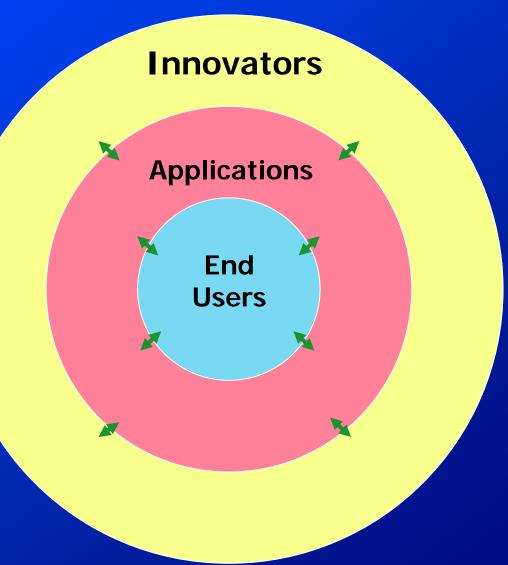
Health Indicators Warehouse

- Phase I (2011) will include:
 - Healthy People 2020
 - Community Health Status Indicators
 - CMS data
 - MATCH indicators
 - State of the USA

Community Health Data Initiative

Data Sources

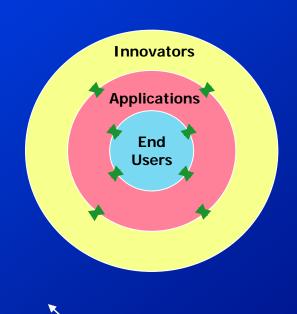
- Health Indicators Warehouse (HIW)
- Other federal data sets
- State and local governments
- Private sector data suppliers
- Others



Feedback on data

Innovators

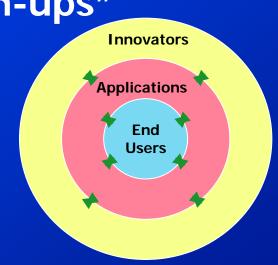
- Data analytics firms
- Social networking providers
- Web search providers
- Tech companies
- Nonprofits / philanthropy
- Media / journalism
- Real estate information providers
- Industries developing health-related products or services



Applications

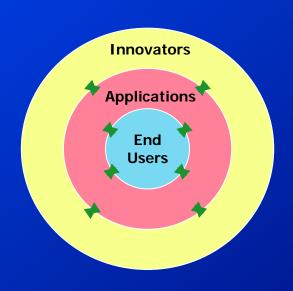
Interactive health maps. "mash-ups"

- Applications
- Networking apps
- Challenges
- Enhanced web search
- "Best places to live" ratings and rankings
- Games



End Users

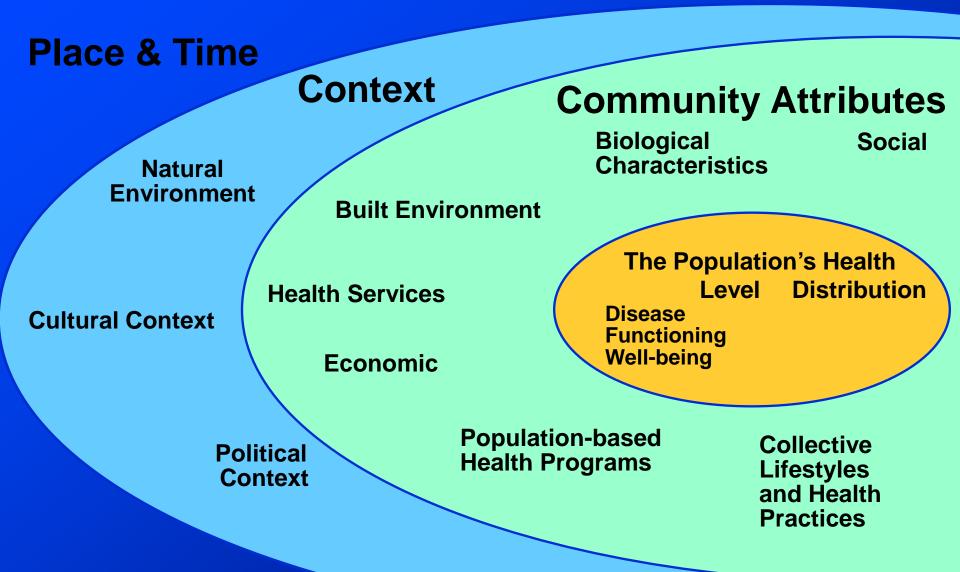
- Patients
- Consumers
- Providers
- **Community leaders**
- Policymakers
- Researchers
- Corporations



1960 Data Challenges (National Health Survey Act)

- Number and characteristics of persons suffering from heart disease, cancer, diabetes, arthritis and rheumatism, and other diseases, injuries and handicapping conditions...
- Need for reasonably current periodic inventories
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 - For adequate planning to improve health
 - For research in the field of chronic diseases
 - For measurement of the numbers of persons in working ages so disabled as to be unable to perform gainful work

Vision for 21st Century Health Statistics Influences on the Population's Health



More Than Just Numbers

NATIONAL CENTERFOR HEALTH STATISTICS

As the Nation's principal health statistics agency, we compile statistical information to guide actions and policies to improve the health of our people. We are a unique public resource for health information - a critical element of public health and health policy. Our health statistics allow us to: document the health status of the population and of important subgroups, identify disparities in health status and use of health scare by race or ethnicity, socioeconomic status, region, and other population characteristics, describe our experiences with the health care system, monitor trends in health status and health care delivery, iden the health problems, support biomedical and health services research, provide information for making changes in public policies and programs, evaluate the impact of health policies and programs. Working with partners throughout the health community, we use a variety of approaches to efficiently obtain information from the sources most able to provide information. We collect data from birth and death records, medical records, interview surveys, and through direct physical exams and laboratory testing. NCHS is a key element of our national public health infrastructure, providing important surveillance information that helps identify and address critical health problems. Here at NCHS, information is at the core of our mission, and our website is a vital part of our enort to make this information work for you.

1960-2010

Celebrating 50 Years