

Update on NCHS

Board of Scientific Counselors

Sept 23, 2010



Edward J. Sondik

Today's Update

- National Conference on Health Statistics
- NCHS Program Highlights
- Budget Update

New Board Members

- **Patricia Buffler, Ph.D., M.P.H.,**
 - **Kenneth and Marjory Kaiser Chair in Cancer Epidemiology, University of California, Berkeley School of Public Health**
- **Elizabeth Saadi, (Lou), Ph.D.,**
 - **Interim Director and State Registrar; Center for Health and Environmental Statistics, Division of Health, Kansas Department Health and Environment**
- **Duncan Thomas, Ph.D.,**
 - **Professor, Economics Department, Duke University Global Health Institute**

Thank You

- Ruth Stein
- Jim Lepkowski

*Thank you for your
service!*

National Conference on Health Statistics

NATIONAL CENTER FOR 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 care 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, identify 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 effort to make this information work for you.

1960-2010

CELEBRATING 50 YEARS

Conference Highlights

- Nearly 1000 attendees
- Celebrated NCHS 50th Anniversary
- New format and content with pre-conference workshop sessions
- Plenary speakers
 - Thomas Frieden (by video)
 - Bob Groves
 - Kathy Wallman
 - Connie Citro
 - Michael Wolfson

Thank You

- Tammy Stewart-Prather and Joe Fred Gonzalez , Jr., Conference Co-Chairs
- Virginia Cain, NCHS Senior Staff Advisor
- Our NCHS colleagues who made the meeting such a success

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CELEBRATING 50 YEARS

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 to be able 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?*

Affordable Care Act Data and Measurement Provisions

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

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: Section 4302

Understanding Health Disparities: Data Collection and Analysis

- Federally supported health related activities should collect and report:
 - Data on **race, ethnicity, sex, primary language, and disability status**
 - Data at the **lowest geographic level**
 - Sufficient data to generate statistically reliable estimates by racial, ethnic, sex, primary language and disability status subgroups
 - Other demographic data as deemed appropriate

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

- On the NHIS about **health insurance coverage**
- 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

➔ **PPACA funding in FY 10: \$14.745 M**

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 ...

NCHS Program Highlights

Health Interview Statistics

- Release of 2009 imputed family income and personal earnings data
- Release of point estimates instead of interval estimates for 2009 family income and personal earnings (soon estimates back to 1997)
- 2011 NHIS questionnaire will add a category for family income ($\leq \$150,000$) and poverty level ($\leq 200\%$ of poverty)
- The 2011 NHIS questionnaire will use a consistency check on total family income

Health and Nutrition Examination

- NHANES nutrition data extensively used HHS and USDA Dietary Guidelines for Americans report
- Major use of NHANES data in November 2010 release of the Dietary Reference Intakes for Vitamin D and Calcium.
- New Mobile Examination Center (MEC) trailers (Laboratory and Interview trailers)

Mobile Exam Centers Then



Mobile Exam Centers Then and Now



Program Highlights from DVS

- **Model Laws for Vital Registration**
 - **Significant update reflecting the changes in family formation, societal mores, security and electronic registration systems**
- **Drop in birth rate**
 - **USA Today and others coupled change to the recession**

Program Highlights from DVS

- Model Laws for Vital Registration
 - Significant update reflecting the changes in family formation, societal mores, security and electronic registration systems
- Drop in birth rate and coupled by to press changes in the economy

National Vital Statistics Reports

Volume 58, Number 25 August 27, 2010

NVSR

Births, Marriages, Divorces, and Deaths: Provisional Data for 2009

Births, Marriages, Divorces, and Deaths: Provisional Data for December 2009 will be the final issue of the monthly provisional data series. See the NVSR Monthly Provisional Notice (http://www.cdc.gov/nchs/products/nvsr/monthly_provisional_notice.htm) for more information.

Table A. Provisional vital statistics for the United States, December 2009

[Rates for infant deaths are deaths under 1 year per 1,000 live births; fertility rates are live births per 1,000 women aged 15–44 years; all other rates are per 1,000 total population. National data are based on events occurring in the United States, regardless of place of residence. Data are subject to monthly reporting variation. See "Technical Notes"]

Item	December				12 months ending with December				
	Number		Rate		Number		Rate		
	2009	2008	2009	2008	2009	2008	2009	2008	2007
Live births	344,000	351,000	13.1	13.5	4,136,000	4,247,000	13.5	13.9	14.3
Fertility rate	65.5	66.6	65.5	66.6	65.5	66.6	65.5	66.6	69.2
Deaths	242,000	243,000	8.8	8.9	2,420,000	2,453,000	7.9	8.4	8.6

Births, Marriages, Divorces, and Deaths:
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Health Care Statistics

- **Change National Hospital Discharge Survey**
 - **Increased focus on inpatient care**
 - **New sample of about 500 hospitals**
 - **First step toward electronic data collection and transmission.**
 - **Initially from Uniform Bills (UB's)**
 - **Over time from electronic extraction and transmission of clinical data from electronic health record systems**

Health Care Statistics

- **In 2013 move NHAMCS into NHCS hospitals**
 - **Enable data on care transitions within the hospital**
 - **For Inpatient and Ambulatory Care, these hospitals will provide a platform for special data collection in collaboration with other agencies**

Analysis and Epidemiology

- **Developing the Health Indicators Warehouse, on target for December 2010**
- **Released Health United States, 2009: In Brief—Medical Technology.**
- **Coordinated the data production effort to produce baseline data for over 1,000 Healthy People 2020 objectives in preparation for the launch of HP2020 in Dec 2010.**

Analysis and Epidemiology

- Major contributions to high profile reports (in process):
 - White House Report on Women and Girls
 - CDC Report on Health Disparities
 - Mental Illness Surveillance Summary
- Released the 2010 reports of both the Aging and the Children's Forums

America's Children in Brief:
Key National Indicators
of Well-Being, 2010



OLDER AMERICANS 2010

Key Indicators of Well-Being

Analysis and Epidemiology

- **Technical Assistance** to HHS –Providing technical assistance to the Department on many issues in addition to the
 - Community Health Data Initiative
 - Disparities measurement provisions in the ACA (health reform)
 - Evaluation of the reauthorized Children's Health Insurance Program (CHIPRA) and
 - Evaluation of the Communities Putting Prevention to Work initiatives (under stimulus legislation)

Analysis and Epidemiology

- New wave of linked Medicare files that will be available to the research community.
 - **Medicare enrollment and claims data** and **ESRD patient data** as recent as 2008 linked to
 - **NHANES**
 - **NHIS**
 - **Longitudinal Study of Aging II**
 - **National Nursing Home Survey**

New NCHS Appointment

Nathaniel Schenker, Ph.D.

**Associate Director for Research and
Methodology**

**Director, Office of Research and
Methodology**

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

Data Briefs

- **New Data Briefs: 23 during FY 2010**

Data Briefs

- **New Data Briefs: 23 during FY 2010**

NCHS Data Brief ■ No. 43 ■ September 2010

Emergency Department Visits for Chest Pain and Abdominal Pain: United States, 1999–2008

Farida A. Bhuiya, M.P.H.; Stephen R. Pitts, M.D., M.P.H., F.A.C.E.P.; and
Linda F. McCaig, M.P.H., Division of Health Care Statistics

Key findings

Data from the National Hospital Ambulatory Medical Care Survey: 1999–2008

- The number of noninjury emergency department (ED)

Chest and abdominal pain are the most common reasons that persons aged 15 years and over visit the emergency department (ED) (1). Because EDs provide both emergency and nonemergency care (2,3), visits for these symptoms may vary in their acuity. Advanced medical imaging is often ordered to assist in both diagnosing and ruling out serious illness associated with these symptoms (4,5). This report describes trends in visits for chest and abdominal pain in adults and the seriousness of illness and use of imaging in these visits. All data shown are for persons aged 18 and over whose visit was

Data Briefs

- **New Data Briefs: 23 during FY 2010**

Other topics:

- **Prescription Drug Use**
- **Trends in Preterm Births**
- **Mortality Among Teenagers**
- **Depression and Smoking**
- **Racial and Ethnic Differences in Hypertension, High Serum Total Cholesterol, and Diabetes**

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**



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TRANSPARENCY + PARTICIPATION + COLLABORATION

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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



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WEDNESDAY, JULY 28, 2010

HHS.gov/Open

Font Size OPEN G

EXPLORE. ENGAGE. ENLIGHTEN.

Data Sets

Tools

Our Plan

Discuss



Spotlight on

Hospital Compare

Comparison data for hospitals that includes process of care, mortality, and readmission quality measures.

[More details...](#)



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- Tools
- Our Plan
- FOIA
- Records Management
- Get Involved
- Discuss
- Leadership Contacts

Strategic Plan

Posted July 21, 2010 | Sherry Glied, Assistant Secretary for Planning and Evaluation



"The Strategic Plan describes our work to address complex and evolving health, public health, research, and human services issues."

Strategic Plan 2010 - 2015 (Draft)





Search our catalogs.. SEARCH

- HOME DATA TOOLS COMMUNITY METRICS DIALOGUE

Data.gov Catalogs

Use the Data.gov catalog below to access U.S. Federal Executive Branch datasets. Click on the name of a dataset to view additional metadata for that dataset. By accessing the data catalogs, you agree to the Data Policy. Data.gov offers data in three ways: through the "raw" data catalog, using tools and through the geodata catalog. The "Raw" Data Catalog provides an instant download of machine readable, platform-independent datasets while the Tools Catalog provides hyperlinks which may lead to agency tools or agency web pages that allow you to mine datasets.



"RAW" DATA CATALOG TOOL CATALOG GEODATA CATALOG

Search "raw" data by keywords

mortality

Search "raw" data by file type

XML CSV/Text KML/KMZ Shapefile RDF Other

Search "raw" data by single/multiple category

All Categories Agriculture Arts, Recreation, and Travel Banking, Finance, and Insurance

Search "raw" data by single/multiple agency

All Agencies Agency for Healthcare Research and Quality (HHS/AHRQ) Agricultural Research Service (USDA/ARS) Antitrust Division (DOJ/ATR)

SEARCH

Page 1 of 1 (2 records)

Navigation arrows and page number 1

Results per page: 25 | 50

Table with 5 columns: Name (click for metadata and to rate dataset), Rating, Agency, File Type, and File Size. Row 1: 2009 VHA Facility Quality and Safety Report - Hospital Settings, 4 stars (5 votes), VA, CSV (18K), RDF (33 KB). Row 2: Community Health Status Indicators (CHSI) to Combat Obesity, Heart Disease and Cancer, 0 stars (0 votes), HHS/CDC, CSV (5 MB).

Budget Update

NCHS Budget Chronology

Recent Budget History

- FY 07: \$107.1 M - Same as FY 06
- FY 08: \$113.6 M
- FY 09: \$124.7 M
- FY 10: \$138.7 M (+\$14 M)

2010 Increase Enabled NCHS to:

- **Restore NHIS sample size to 87,500**
- **Fund 12 months of Vital Statistics data collection**
 - **Improve timeliness of payments to States by 1-2 months**
 - **Funding to resolve state cause of death reject coding for states**
- **Support new Residential Care survey**
- **Support new hires**

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- FY 10: \$138.7 M (+\$14 M)
- FY 11: President's Request: \$161.9 M (+23.2 M)

Proposed 2011 Budget

- Vital Statistics (\$11 M):
 - Implement the re-engineered web-based electronic birth registration system in 6 states and 4 territories
 - Provide funding for all items on the revised certificate and some improvements to timeliness and quality
 - Phase in electronic death registration using a 50/50 cost sharing with states

Proposed 2011 Budget

- Health Interview Survey (\$8 M)
 - Increase size of NHIS from 35,000 households to 43,000 households
 - State and community level data
 - Insurance coverage and care measures
 - Information for smaller racial/ethnic populations
- National Ambulatory Medical Care Survey (\$3.5 M)
 - Increase sample size to monitor change
 - Care organization
 - Some state estimates over two years
- Maintenance (\$0.7 M)

Status of FY 2011 Budget

- Budget awaits Congressional Action
- Possible Continuing Resolution
- If t_b time interval to 2011 Budget:
[60 < t_b < 180] SCI @ 0.95

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SCI = Sondik Confidence Interval

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Affordable Care Act: Section 4302

Developing Collection Standards

- **Section 4302: Development of standards for collecting data on race, ethnicity, sex, primary language, and disability status**
 - **Subcommittee of DHHS Data Council developing recommendations for standards**
 - **Listening Session to be held to consider other possible data elements for standardization**

Notes

ed says to mention....

- Vital signs report
- Surveillance registry
- Disparities
- Health reform
- Other stuff records/NAS