

**NCHS Update**  
**Board of Scientific Counselors**  
**January 28, 2011**



**Edward J. Sondik**

# Today's Update

- NCHS Program Highlights
- Budget Update

# Today's Update

- NCHS Program Highlights
- Budget Update
- ...and a special recognition

**— NCHS and the Patient Protection  
and The Affordable Care Act (PPACA)**

# Affordable Care Act Data and Measurement Provisions

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

# NCHS Program Changes ...

Affordable Care Act: New survey questions

- On the NHIS about **health insurance coverage** (on today's agenda – Robin Cohen)
- New questions to long-term care surveys to respond to anticipated direct care **workforce** shortages
- 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

→ Funding in FY 10: \$14.745 M

## **State and Local Area Integrated Telephone Survey (SLAITS)**

- **Evaluation of CHIP Authorized in the 2009 CHIP Reauthorization Act**
  - **Uses data from SLAITS-based 2011 National Survey of Children's Health**
  - **Focus on barriers to enrolling in public health insurance programs.**
- **Based on and earlier 2001 evaluation of program awareness levels and perceptions among low-income families**
  - **Data from 2001 National Survey of Children with Special Health Care Needs.**



# NCHS Budget

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  - 2011 President's Budget called for: President's Request: \$161.9 M (+\$23.2 M)

# NCHS Budget

- 2011 budget: Continuing Resolution at 2010 level till March 4th
  - FY 2010: \$138.7M
  - 2011 President's Budget called for: President's Request: \$161.9 M (+\$23.2 M)
- 2012 President's Budget to be released in February

# Proposed 2011 Budget

- Vital Statistics (\$11 M):
  - **Electronic Birth and Death** registration and
  - Funding of the revised certificate and focus on improvements to timeliness and quality
- Health Interview Survey (\$8 M)
  - **Increase coverage** through sample size
- National Ambulatory Medical Care Survey (\$3.5 M)
  - **Increase coverage** through sample size
- Maintenance (\$0.7 M)

# 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)
- FY 11: Continuing resolution
  - President's Request: \$161.9 M (+\$23.2 M)

# NCHS Program Highlights

# Health, United States, 2010

with Chartbook on Death and Dying



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



# National Health and Nutrition Examination Surveys

# DHANES Program Highlights

- **New Survey Content**
- **Methods studies and special projects**
- **Infrastructure changes**
  - **Completely revamped the software and hardware for NHANES for the first time in over 10 years**
  - **Replaced lab trailers that had been in use over 20 years**
  - **Made these infrastructure changes without halting data collection for even a single day.**

# NHANES 2011-2012

## New Exam Content

- Cognitive function (Ages 60+)
- Self-assessed pubertal maturation (Ages 8-19)
- Tuberculin skin testing
- Dual x-ray absorptiometry --Total Body (Ages 8-59)
- Sagittal abdominal diameter (Ages 8+)
- Physical activity monitor (Ages 6 +)
  - Also monitors sleep activity
- Muscle strength grip test (Ages 6+)
- Chemosensory—smell and taste (Ages 40+)
- Age changes for audiometry (Ages 20-69)
- Modified oral health examination (Ages 1+)

# Sampling Domains

## 2007-2010

- 72 age-sex sub-domains
  - Hispanics
  - Blacks
  - White/other
    - Low income
    - Non-low income

## 2011-2012

- 87 age-sex sub-domains
  - Hispanics
  - Blacks
  - White/other
    - Low income
    - Non-low income
  - *Asians*

# National Health Interview Survey Data Releases




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# Health Insurance Coverage: Early Release of Estimates From the National Health Interview Survey, January-June 2010

by Michael E. Martinez, M.P.H., M.H.S.A., and Robin A. Cohen, Ph.D., Division of Health Interview Statistics, National Center for Health Statistics

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### Highlights

- From January through June 2010, 49.1 million persons of all ages (16.2%) were uninsured at the time of interview, 60.8 million (20.0%) had been uninsured for at least part of the year prior to interview, and 35.6 million (11.7%) had been uninsured for more than a year at the time of interview.

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## Young Adults Seeking Medical Care: Do Race and Ethnicity Matter?

Barbara Bloom, M.P.A. and Robin A. Cohen, Ph.D.

### Key findings

#### Data from the National Health Interview Survey: 2008–2009

- More than one-half of Hispanic young adults aged 20–29 years were uninsured

Health care disparities among different racial and ethnic subgroups in the United States are of national concern. Health insurance is a key factor in the access to medical care services, and young adults in the United States aged 20–29 years are more likely than adults aged 30 years and over to lack health insurance coverage (1–4). A previous report has examined the differences in health insurance and access to health care by gender among young adults aged 20–29 years (5). This report focuses on the differences in health insurance and access to health care among Hispanic, non-Hispanic white, and

# New Vital Statistics Releases



# National Vital Statistics Reports



Volume 59, Number 3

December 21, 2010

## **Births: Preliminary Data for 2009**

8.50 x 11.00 in



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## NCHS Health E-Stat

## Recent Trends in Births and Fertility Rates Through June 2010

by Paul D. Sutton, Ph.D., Division of Vital Statistics

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The provisional count of births in the United States for the 12-month period ending with June 2010 fell 3 percent to 4,055,000 from the provisional count for the 12-month period ending with June 2009 (1). This continues a decline in the number of births from an all-time high of 4,316,233 in 2007 (2).

The provisional fertility rate for the 12-month period ending with June 2010 also fell 3 percent to 65.5 births per 1,000 women aged 15–44 from the provisional rate for the 12-month period ending June 2009 (see [Figure](#)) (1). This continues a decline in the fertility rate from a 17-year high of 69.5 in 2007 (2).

# National Health Care Surveys



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## NCHS Health E-Stat

### Electronic Medical Record/Electronic Health Record Systems of Office-based Physicians: United States, 2009 and Preliminary 2010 State Estimates

by Chun-Ju Hsiao, Ph.D.; Esther Hing, M.P.H.; Thomas C. Socey; and Bill Cai, M.A.Sci., Division of Health Care Statistics

[PDF Version](#) (212 KB)

Policymakers' interest in the progress of health information technology adoption by health care providers has increased greatly since The American Recovery and Reinvestment Act was signed into law in 2009. A portion of the bill, the Health Information Technology for Economic and Clinical Health Act, authorized incentive payments through Medicare

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## NCHS Data Brief

Number 54, January 2011

### Use of Advance Directives in Long-term Care Populations

[PDF Version](#) (823 KB)

Adrienne L. Jones, Abigail J. Moss, and Lauren D. Harris-Kojetin, Ph.D.  
Division of Health Care Statistics

#### Key findings

**Data from the 2004 National Nursing Home Survey and the 2007 National Home and Hospice Care Survey**

- Overall, 28% of home health care patients, 65% of nursing home residents, and 88% of

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- [Key findings](#)
- [Use of ADs varies across long-term care populations.](#)
- [Use of ADs varies by age, and age relationships differ by population.](#)
- [Black care recipients were less likely than white care recipients to use any AD.](#)
- [Living wills and do not resuscitate orders were the two most common types of ADs.](#)

[Data from the 2004 National Nursing Home Survey and the 2007 National Home and Hospice Care Survey](#)

# Health Care Surveys Changes Underway

- **ACA-Funded Improvements to NAMCS and NHAMCS**
- **Lookback module for Ambulatory Surveys on preventive services for heart disease and stroke**
- **State-level estimates of preventive services**
- **New National Hospital Care Survey**
- **New National Survey of Long-Term Care Providers**

# Lookback Module on Prevention of Heart Disease and Stroke

- Monitor and evaluate prevention-related services
- Include risk factors and preventive services 12 months prior to the sampled office visit
- Include patients at higher risk, e.g., with hypertension or prior stroke

# Building on NAMCS and NHAMCS

- Infrastructure already in place to collect data for physicians' offices, community health centers, hospital outpatient departments, and hospital and free-standing ambulatory surgery centers
- Source of nationally-representative ambulatory care data
- Characteristics of office practices and hospitals available to support evaluations
- Monitoring Electronic Health Records



## NHCS Goes Electronic

- Currently piloting the transmission of electronic claims data – UB-04s—for inpatient discharges
- Hospitals transmit data through a secure data network
- As hospitals adopt electronic health records, we will be conducting more pilots on extracting clinical data from EHRs

# National Survey of Long-Term Care Providers

- Broad coverage of paid, regulated LTC providers
- Core data collection every two years starting 2012
- Core topics
  - Provider characteristics, practices, staffing
  - Aggregate-level information on care recipients
- Core structure plus rotating modules
- Link core to administrative data, e.g., Medicare



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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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Shapefile ▾

RDF ▾

### 2009 VHA Facility Quality and Safety Report - Hospital Settings

The 2008 Hospital Report Card was mandated by the FY08 Appropriations Act, and focused on Congressionally-mandated metrics applicable to general patient populations. The ...

(5 votes)

VA

CSV
   
 18K

RDF
   
 33 KB

### Community Health Status Indicators (CHSI) to Combat Obesity, Heart Disease and Cancer

Community Health Status Indicators (CHSI) to combat obesity, heart disease, and cancer are major components of the Community Health Data Initiative. This dataset provide...

(0 votes)

HHS/CDC

CSV
   
 5 MB

# Data accessibility – a priority for NCHS



# Data accessibility – a priority for the community



The screenshot shows the Health Indicators Warehouse (HIW) website. At the top left is the HIW logo, a stylized 'W' with a bar chart element, followed by the text "HEALTH INDICATORS WAREHOUSE". To the right of the logo, it says "Your indicator list is empty. Add Indicators". Below the logo is a navigation menu with buttons for "HOME", "INDICATORS", "RESOURCES", "ABOUT", and "FOR DEVELOPERS". To the right of the navigation menu is a search bar labeled "Search for Indicators" with a magnifying glass icon. Below the search bar is a "Share" button with a dropdown arrow. The main content area has a heading "Welcome to the Health Indicators Warehouse (HIW)" and a sub-heading "Indicators in the HIW are categorized by topic, geography, and initiative. Select your starting point for exploring indicators in the HIW." Below this are three columns, each with a heading and a description, and a corresponding selection button at the bottom of each column. The first column is "by Topic" with the description "Each indicator in the HIW is associated with one or more topic area, such as disease, condition, age group or sociodemographic characteristics." and a button "Select a topic". The second column is "by Geography" with the description "Most of the indicators in the HIW have national level data. Many indicators also have data available by state, county, and hospital referral regions." and a button "Select a state". The third column is "by Initiative" with the description "The HIW contains indicators derived from and in support of several state and federal health indicator initiatives." and a button "Select an initiative". Below the "by Topic" and "by Geography" columns is a section titled "What's New" with a date "21 JAN" and the text "Welcome! Welcome to the Health Indicators Warehouse (HIW)! HIW is a new resource serving as the data hub for the HHS Community Health Data Initiative. It contains standardized health outcome and health determinant indicators along with associated evidence-based interventions, which can be easily displayed, and will". To the right of the "What's New" section is a section titled "For Developers" with the text "The HIW provides access to the underlying data through the use of an Application Programming Interface (API) which is designed to present information to systems with disparate architectures and underlying technologies."

**HEALTH INDICATORS WAREHOUSE**

Your indicator list is empty. Add Indicators

HOME INDICATORS RESOURCES ABOUT FOR DEVELOPERS

Search for Indicators

Share

## Welcome to the Health Indicators Warehouse (HIW)

Indicators in the HIW are categorized by topic, geography, and initiative. Select your starting point for exploring indicators in the HIW.

### by Topic

Each indicator in the HIW is associated with one or more topic area, such as disease, condition, age group or sociodemographic characteristics.

Select a topic

### by Geography

Most of the indicators in the HIW have national level data. Many indicators also have data available by state, county, and hospital referral regions.

Select a state

### by Initiative

The HIW contains indicators derived from and in support of several state and federal health indicator initiatives.

Select an initiative

## What's New

**21** Welcome!  
JAN Welcome to the Health Indicators Warehouse (HIW)! HIW is a new resource serving as the data hub for the HHS Community Health Data Initiative. It contains standardized health outcome and health determinant indicators along with associated evidence-based interventions, which can be easily displayed, and will

### For Developers

The HIW provides access to the underlying data through the use of an Application Programming Interface (API) which is designed to present information to systems with disparate architectures and underlying technologies.

# Data accessibility – a priority for the community



A screenshot of the Health Indicators Warehouse (HIW) website. The header includes the HIW logo and navigation tabs for HOME, INDICATORS, RESOURCES, ABOUT, and FOR DEVELOPERS. A search bar is present with the text "Search for Indicators" and a magnifying glass icon. Below the navigation, a message states "Your indicator list is empty. Add Indicators". The main content area features a heading "Welcome to the Health Indicators Warehouse (HIW)" and a paragraph explaining that indicators are categorized by topic, geography, and initiative. Three interactive boxes are displayed: "by Topic" (describing associations with disease, age, and demographics), "by Geography" (describing national, state, county, and hospital-level data), and "by Initiative" (describing state and federal health indicator initiatives). A "Share" button is visible in the top right of the content area.

- **Brought live 1/21/2011**
- **Contains thousands of community health performance metrics**
- **Includes data on Medicare utilization, quality, prevention, and prevalence of disease**
- **Includes proven interventions by indicator**



# HHS liberating data and making it much more accessible: community health data



The screenshot shows the Health Indicators Warehouse (HIW) website. At the top left is the HIW logo, a stylized 'W' with a bar chart element, and the text 'HEALTH INDICATORS WAREHOUSE'. To the right of the logo is a navigation menu with buttons for 'HOME', 'INDICATORS', 'RESOURCES', 'ABOUT', and 'FOR DEVELOPERS'. Further right is a search bar labeled 'Search for Indicators' and a 'Share' button. Below the navigation is a main heading 'Welcome to the Health Indicators Warehouse (HIW)' followed by a brief introduction: 'Indicators in the HIW are categorized by topic, geography, and initiative. Select your starting point for exploring indicators in the HIW.' Below this are three large light blue boxes. The first is 'by Topic' with a description and a 'Select a topic' button. The second is 'by Geography' with a description and a 'Select a state' button. The third is 'by Initiative' with a description and a 'Select an initiative' button. At the bottom left is a 'What's New' section with a date '21 JAN' and a 'Welcome!' announcement. At the bottom right is a 'For Developers' section with a description of the API.

**HEALTH INDICATORS WAREHOUSE**

Your indicator list is empty. Add Indicators

HOME INDICATORS RESOURCES ABOUT FOR DEVELOPERS

Search for Indicators

Share

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Select your starting point for exploring indicators in the HIW.

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## For Developers

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**And now a special recognition .....**

**Congratulations to Monroe Sirken**

# Congratulations to Monroe Sirken



**Congratulations to Monroe Sirken  
on his Retirement**

**60 Years of Service to the  
Federal Statistical System**



# A 60-Year Federal Government Career

- Began his government service in 1951 at the U.S. Census Bureau as a mathematical statistician
- Moved to the National Office of Vital Statistics (NOVS) in 1953.
- When NOVS merged with the National Health Survey in 1960 to form NCHS, Monroe became a charter member of NCHS "without any action on my part" (*from "A Conversation with Monroe Sirken: Statistical Science"*)
- Dr. Sirken has held a variety of positions at NCHS including Associate Director for Research and Methodology.

# Examples of Innovative Survey Methods Developed Under Dr. Sirken's Leadership

- Designed and analyzed the first national immunization surveys
- Developed the National Death Record Followback Survey methodology to estimate lung cancer mortality risks by smoking and residence histories
- Introduced “network sampling” to improve survey prevalence estimates of relatively rare diseases (e.g. diabetes) and sensitive behaviors (e.g. illicit drug use)



# Examples of Innovative Survey Methods Developed Under Dr. Sirken's Leadership

- Introduced statistical methods to integrate sample designs of independently designed NCHS surveys (e.g. NHIS household listings served as sampling frame for the National Survey of Family Growth)
- Established the NCHS Questionnaire Design Research Laboratory, the first permanent research laboratory in a government agency using cognitive methods to design survey questionnaires and statistical maps

# Congratulations to Monroe Sirken on his Retirement

## 60 Years of Service to the Federal Statistical System



