Welcome to the 2015 National Conference on Health Statistics

Charles J. Rothwell
Director,
National Center for Health Statistics
Overview

NCHS Updates: What’s Happened Since 2012?
- Charles Rothwell, M.B.A, M.S, Director, National Center for Health Statistics (NCHS)

Plenary Session I: Health Disparities and Health Equity
- Measuring Health and Health Disparities: A Look at NCHS Data Systems and the NCHS Conference
  - Irma Arispe, Ph.D., Director, NCHS Office of Analysis and Epidemiology
- Moment Of Opportunity: Reducing Health Disparities and Advancing Health Equity
  - Nadine Gracia, M.D., M.S.C.E., Deputy Assistant Secretary for Minority Health and the Director of the Office of Minority Health, U.S. Department of Health and Human Services
Since We Last Met…

Changes in Center Leadership

- Edward Sondik, Ph.D., retired after 17 years as the Director of NCHS.
- Nat Schenker, Ph.D., selected as NCHS Deputy Director.
- Susan Queen, Ph.D., selected as Associate Director of the Office of Planning, Budget, and Legislation.
Since We Last Met... (Cont’d)

Changes in Center Leadership

- Irma Arispe, Ph.D., selected as Director of the Office of Analysis and Epidemiology.
- Delton Atkinson, M.P.H., M.P.H., P.M.P., selected to lead the Division of Vital Statistics, following my move to NCHS Director.
- Marcie Cynamon, M.A., selected to lead the Division of Health Interview Statistics, which houses the National Health Interview Survey, following the retirement of Jane Gentleman.
- Kathryn Porter, M.D., selected to lead the National Health and Nutrition Examination Survey, following the retirement of Cliff Johnson.
As of July 2015, CDC has been involved in response for one year. This Ebola outbreak has claimed more than 11,000 lives and sickened more than 27,000 people* in West Africa.

NCHS Volunteers in the Ebola Response

To date, 19 NCHS employees have deployed to Liberia, Sierra Leone, Guinea, Atlanta, and Dulles Airport doing a variety of jobs including:

- Contact tracing
- Data management
- Educating on infection control and correct use of Personal Protective Equipment
- Educating on safe burial practices
- Screening travelers exiting countries with Ebola
- Screening incoming travelers to U.S. from countries with Ebola
- Assisting with Ebola vaccine trial
The mission of 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.
How is NCHS Providing the Most Accurate, Timely, Relevant Information on Health in the United States?

- Timeliness
- Relevance
- Data access
## Improving Timeliness of the National Vital Statistics System (NVSS)

<table>
<thead>
<tr>
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<th>NVSS IN 2012</th>
<th>NVSS IN 2015</th>
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<tr>
<td><strong>Births</strong></td>
<td>▪ Final 2010 births released August 2012</td>
<td>▪ Preliminary 2014 birth data released June 2015</td>
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<td><strong>Mortality</strong></td>
<td>▪ Preliminary 2010 mortality released January 2012</td>
<td>▪ Final 2014 mortality data target release November 2015</td>
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<td>▪ Final 2010 mortality released September 2012</td>
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<td>▪ Preliminary 2011 mortality released October 2012</td>
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Improved Timeliness of Birth Data

Number of Months from End of Calendar Year to Publication of Preliminary Birth Data, 2009–2014

Number of Months

2009 2010 2011 2012 2013 2014

12 11 10 9 5 6

SOURCE: CDC/National Center for Health Statistics
NOTE: Preliminary data are based on approximately 100% of registered vital records occurring in the United States for each calendar year.
Improved Timeliness of Mortality Data

Number of Months from End of Calendar Year to Publication of Final Mortality File, 2009–2013

 SOURCE: CDC/National Center for Health Statistics
Outcome of Faster Vitals Reporting: Quarterly Monitoring of Key Indicators

First release of provisional mortality through first Quarter of 2015 released in August 2015.

1) Alzheimer's
2) Diabetes
3) Heart disease
4) Stroke
5) HIV/AIDS
6) Influenza
7) Falls among aged 65+

Plan to expand list of provisional mortality estimates and add provisional estimates of birth data in 2016.
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Monitoring Health Insurance
Monitoring Health Insurance Using the National Health Interview Survey (NHIS)

Figure 1. Percentage of adults aged 18–64 who were uninsured or had private or public coverage at the time of interview: United States, 1997–March 2015

NOTE: Data are based on household interviews of a sample of the civilian noninstitutionalized population.
Media Coverage of Latest NHIS Release

The New York Times

Number of Uninsured Has Declined by 15 Million Since 2013, Administration Says

By ROBERT PEAR  AUG. 12, 2015

CNN

U.S. uninsured rate drops steeply over past year

By Kevin Liptak, CNN White House Producer
Updated 4:56 PM ET, Wed August 12, 2015

Forbes

Thanks, Obamacare: America's Uninsured Rate Is Below 10% For First Time Ever

USA TODAY

Federal report: 7 million fewer Americans uninsured this year

Laura Ungar, USA Today  11:20 am EDT August 12, 2015

CDC: Uninsured rate falls below 10%

% of uninsured Americans, based on CDC early release data

Source: CDC National Health Interview Survey
Graphic by Dan Diamond (@ddiamond)
First Time for State-Specific Health Insurance Estimates for all 50 States and D.C.

Figure 1. Uninsured at the time of interview—Comparisons of state and national percentages for persons under age 65: United States, 2014

NOTE: Data are based on household interviews of a sample of the civilian noninstitutionalized population. SOURCE: CDC/NCHS, National Health Interview Survey, 2013-2014, Family Core component.
Monitoring Opioid Analgesic-Related Deaths and Use
Age-Adjusted Opioid Analgesic Poisoning Death Rates by Race/Ethnicity, United States, 1999–2013

Trends in the Use of Different Strength Opioid Analgesics Among Adults Aged 20 and Over Who Used Opioids in the Past 30 days: United States, 1999–2012

Survey years


- Weaker than morphine:
  - 1999-2002: 42.4%
  - 2003-2006: 45.9%
  - 2007-2010: 51.2%
  - 2011-2012: 43.0%

- Stronger than morphine:
  - 1999-2002: 17.0%
  - 2003-2006: 17.4%
  - 2007-2010: 22.4%
  - 2011-2012: 20.0%

- Morphine-equivalent:
  - 1999-2002: 40.6%
  - 2003-2006: 36.7%
  - 2007-2010: 26.5%
  - 2011-2012: 37.0%

1, 2 Significant linear trend

NOTE Respondents who reported using two or more opioid analgesics of different strengths were categorized based on the strongest opioid analgesic reported.

Objective Measures of Risk Factors for Chronic Diseases
National Health and Nutrition Examination Survey (NHANES): Providing Objective Measures of Chronic Disease Risk Factors

Cynthia L. Ogden, Ph.D.; Margaret D. Carroll, M.S.P.H.; Brian K. Kit, M.D., M.P.H.; Katherine M. Flegal, Ph.D.

Margaret D. Carroll, M.S.P.H.; Brian K. Kit, M.D., M.P.H.; David A. Lacher, M.D., M.Ed.; and Sung Sug (Sarah) Yoon, R.N., Ph.D.

Tatiana Nwankwo, M.S.; Sung Sug (Sarah) Yoon, Ph.D., R.N.; Vicki Burt, Sc.M., R.N.; and Qiuping Gu, M.D., Ph.D.
NHANES National Youth Fitness Survey

- First-ever Physical Activity Guidelines for Americans were issued by the federal government in 2008.
- No recent national data existed on the fitness levels of children and adolescents.
- NHANES National Youth Fitness Survey was conducted in 2012 and collected data on physical activity and fitness levels for U.S. children and adolescents aged 3–15 years.
Measuring the Changing Health Care Landscape
Percentage of Office-Based Primary Care Physicians Not Accepting New Patients, by Source of Payment—United States, 2013

SOURCE: CDC/NCHS, National Electronic Health Records Survey. CDC Morbidity and Mortality Weekly Report, August 14, 2015 / 64(31);862.

SOURCE: CDC/NCHS, National Ambulatory Medical Care Survey and National Electronic Health Records Survey.
Compiling Statistics on Topics of Public Health Importance
2013: Special feature on prescription drugs
2014: Special feature on adults 55-64 years old
2015: Special feature on health disparities (coming in 2016)
America’s Children: A Model for Interagency Statistical Collaboration

America’s Children: Key National Indicators of Well-Being, 2015
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The FastStats Application

Topic-specific statistics at your fingertips:

- Content is updated automatically
- Most up-to-date health statistics available
- View updated statistics on more than 100 public health topics
- Highlight, annotate, and bookmark important data within the app
- Share data discoveries with colleagues through social media such as Facebook and Twitter
Improving IT Systems for Disseminating Results

NCHS Data Visualization Gallery

U.S. Map of Birth Rates for Women Aged 15–19, 1990

Teen birth rate per 1,000 specified population


Future Challenges

- Big data
- Interconnectedness of our population
- Public health surveillance
- NHIS redesign
- Data visualization
- Electronic health records
- Data access tools
- Survey, data system and indicator alignment
Come visit our booth in the exhibit hall
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