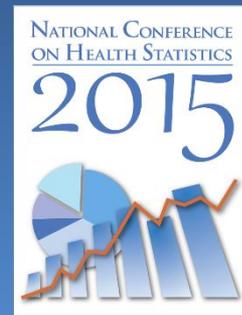


Welcome to the 2015 National Conference on Health Statistics

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.

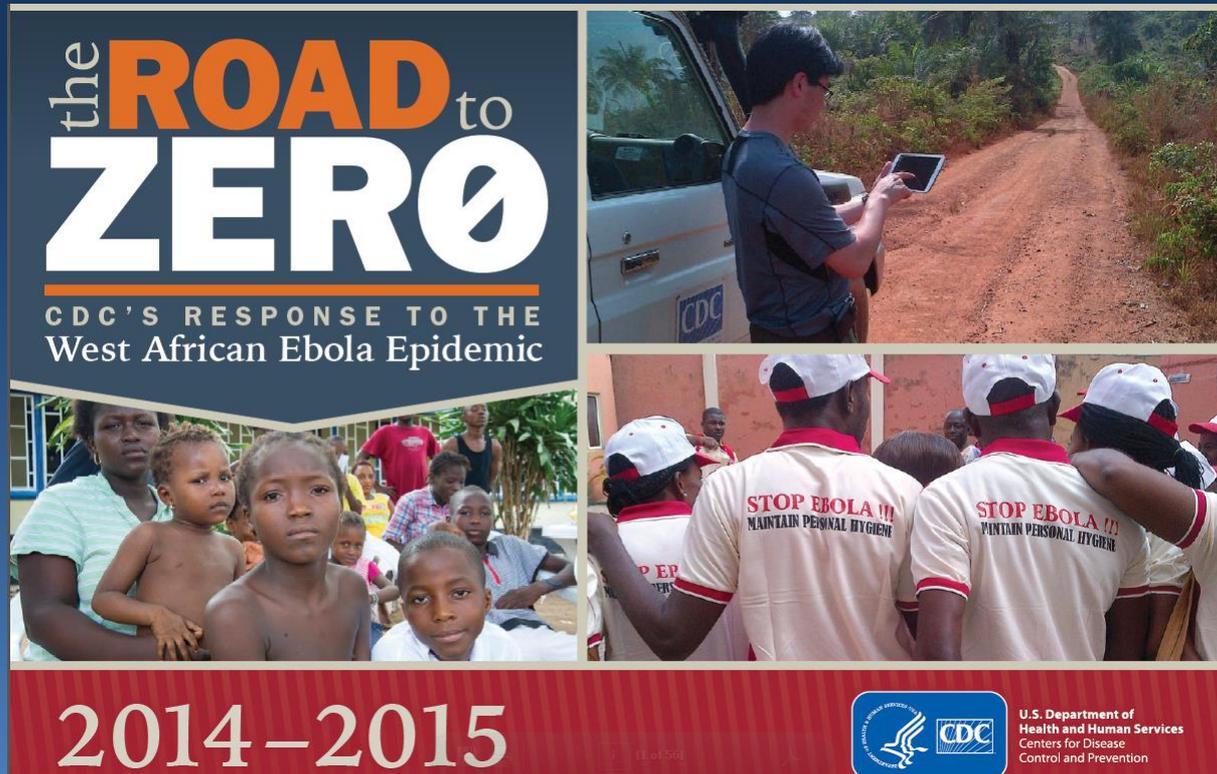
Since We Last Met... (Cont'd)

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.

CDC & the Ebola Response

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.

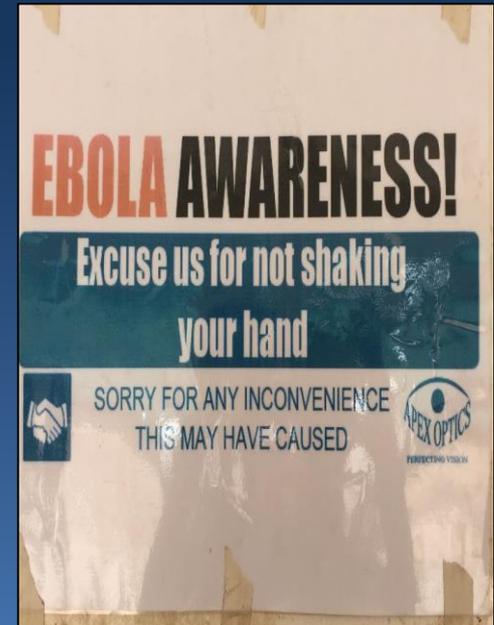


* World Health Organization, Ebola Situation Reports, data up to July 26, 2015, accessed August 5, 2015 at <http://apps.who.int/ebola/ebola-situation-reports>.

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



NCHS Mission: Accurate, Relevant, Timely Data

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)

	NVSS IN 2012	NVSS IN 2015
Births	<ul style="list-style-type: none">▪ Final 2010 births released August 2012▪ Preliminary 2011 births released October 2012	<ul style="list-style-type: none">▪ Preliminary 2014 birth data released June 2015▪ Final 2014 birth data target release October 2015
Mortality	<ul style="list-style-type: none">▪ Preliminary 2010 mortality released January 2012▪ Final 2010 mortality released September 2012▪ Preliminary 2011 mortality released October 2012	<ul style="list-style-type: none">▪ Final 2014 mortality data target release November 2015

Improved Timeliness of Birth Data

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

Number of
Months



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

Number of Months

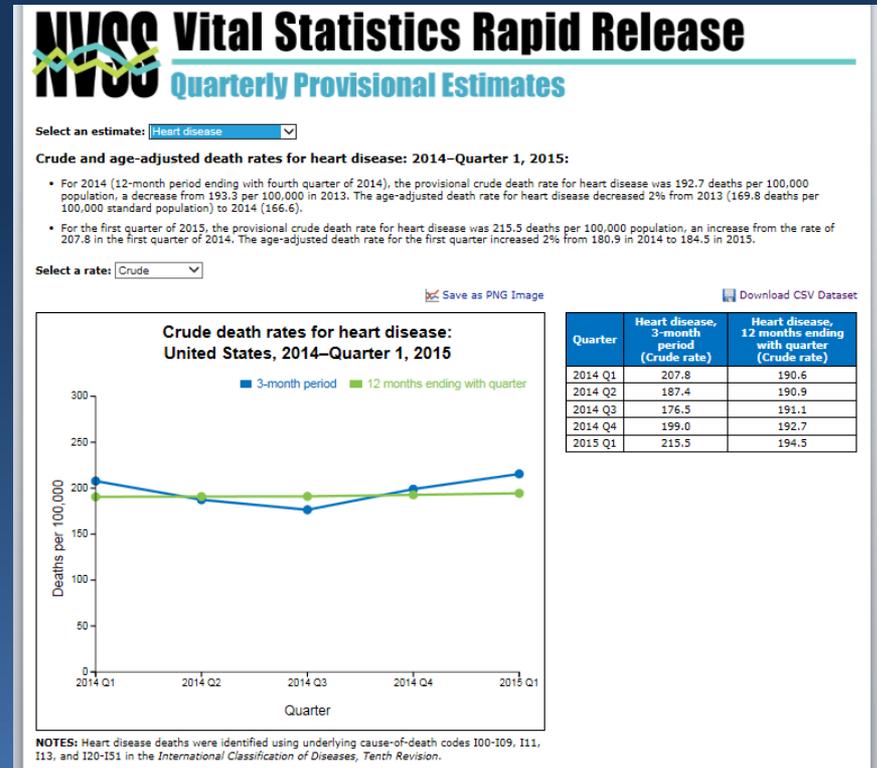


SOURCE: CDC/National Center for Health Statistics

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.

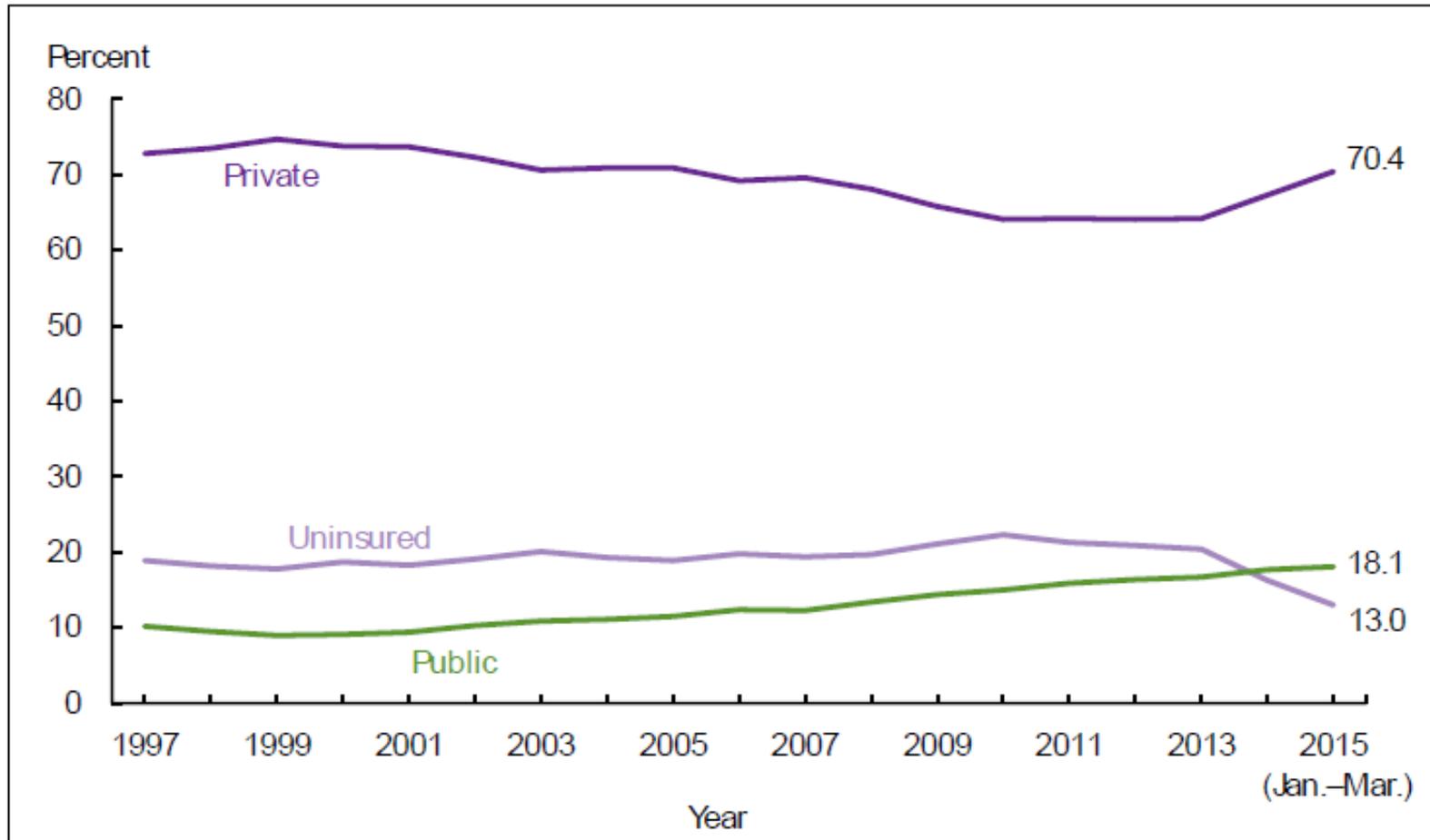
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Monitoring Health Insurance

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.

SOURCE: CDC/NCHS, National Health Interview Survey, 1997–2015, Family Core component.

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



USA TODAY
A GANNETT COMPANY

Federal report: 7 million fewer Americans uninsured this year

Laura Ungar, USAToday 1:28 a.m. EDT August 12, 2015

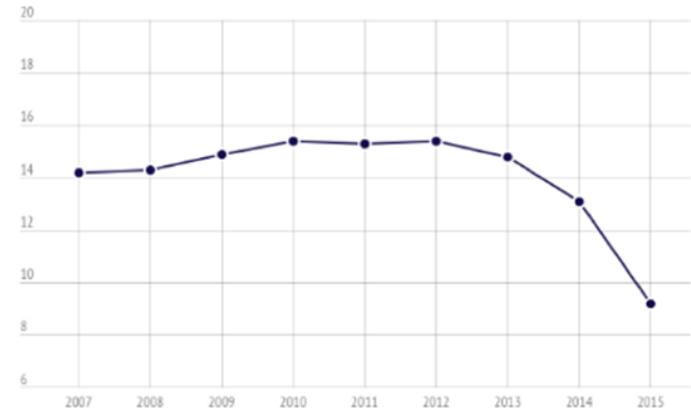
Forbes

PHARMA & HEALTHCARE 8/12/2015 @ 10:17AM | 24,968 views

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

CDC: Uninsured rate falls below 10%

% of uninsured Americans, based on CDC early release data

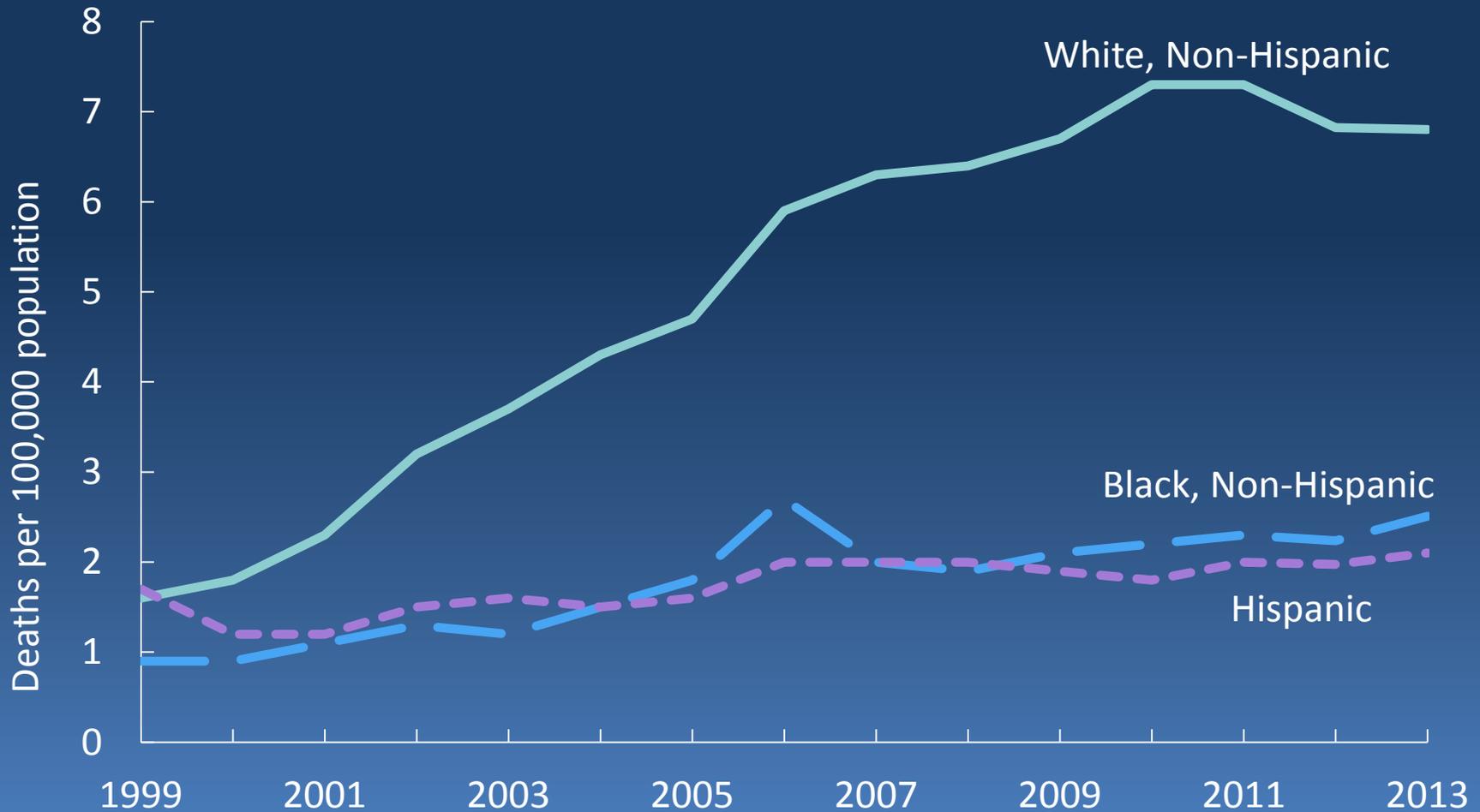


Source: CDC National Health Interview Survey

Graphic by Dan Diamond (@ddiamond)

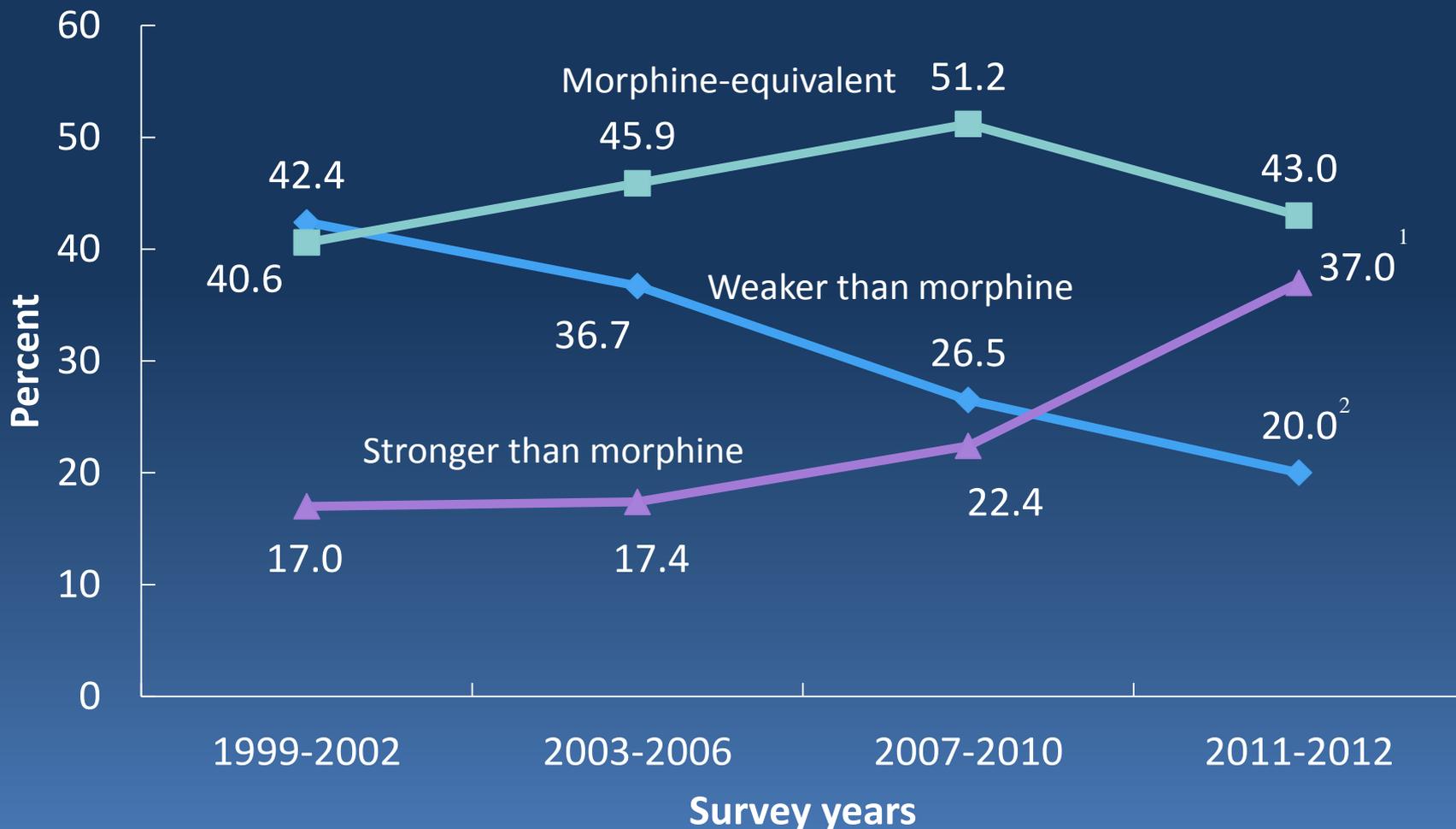
Monitoring Opioid Analgesic-Related Deaths and Use

Age-Adjusted Opioid Analgesic Poisoning Death Rates by Race/Ethnicity, United States, 1999–2013



NOTE: Deaths for Hispanic persons are underreported by 5%. See http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61_04.pdf.
SOURCE: CDC/NCHS, National Vital Statistics System, Mortality.

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



^{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.

SOURCE: CDC/NCHS: National Health and Nutritional Examination Survey 1999-2012

Objective Measures of Risk Factors for Chronic Diseases

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

NCHS Data Brief ■ No. 131 ■ October 2013

Prevalence of Obesity Among Adults: United States, 2011–2012

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.

NCHS Data Brief ■ No. 132 ■ October 2013

Total and High-density Lipoprotein Cholesterol in Adults: National Health and Nutrition Examination Survey, 2011–2012

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.

NCHS Data Brief ■ No. 133 ■ October 2013

Hypertension Among Adults in the United States: National Health and Nutrition Examination Survey, 2011–2012

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.

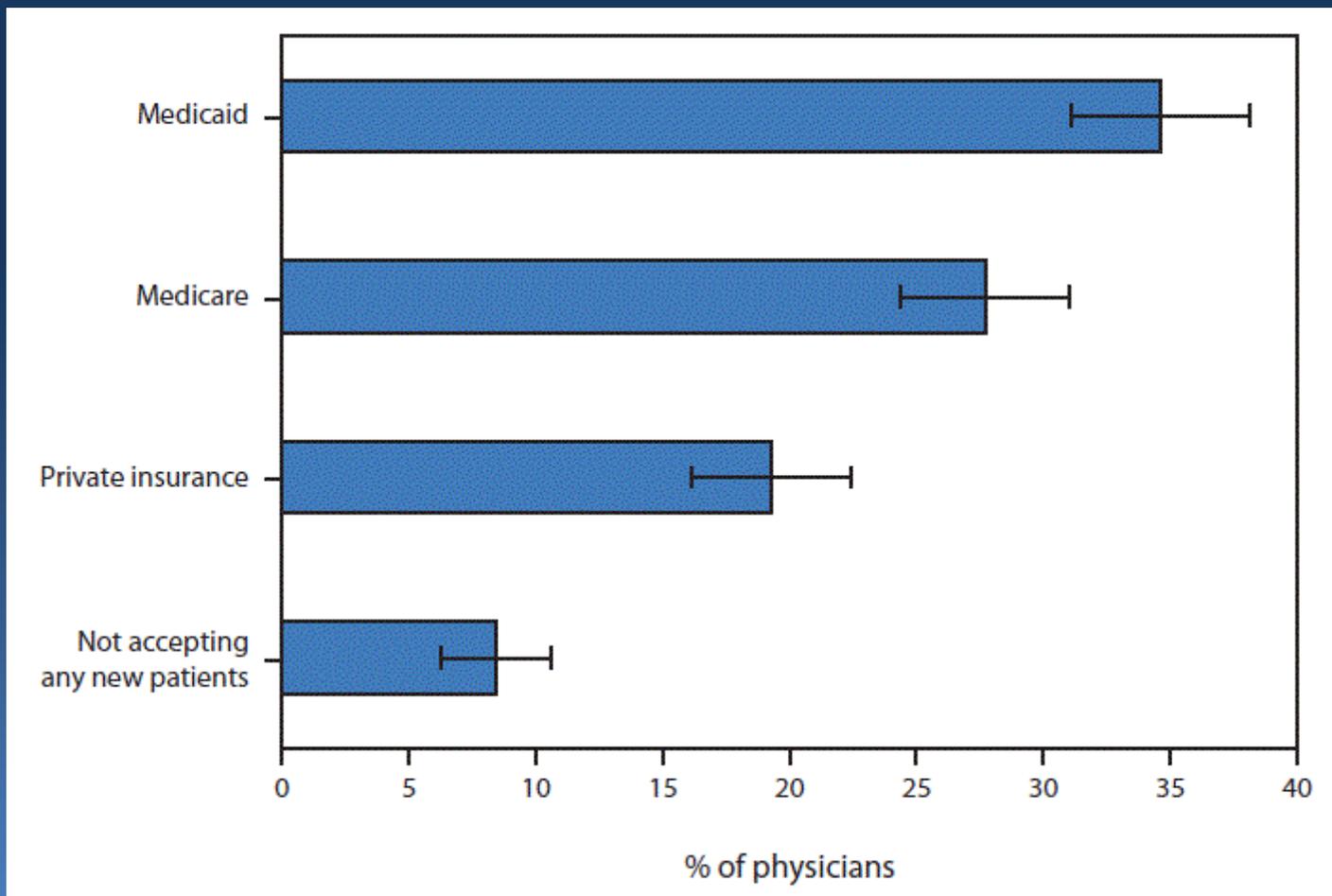
NCHS Data Brief ■ No. 141 ■ January 2014

Physical Activity in U.S. Youth Aged 12–15 Years, 2012

Tala H.I. Fakhouri, Ph.D., M.P.H.; Jeffery P. Hughes, M.P.H.; Vicki L. Burt, Sc.M., R.N.;
Minkyong Song, Ph.D., R.N.; Janet E. Fulton, Ph.D.; and Cynthia L. Ogden Ph.D., M.R.P.

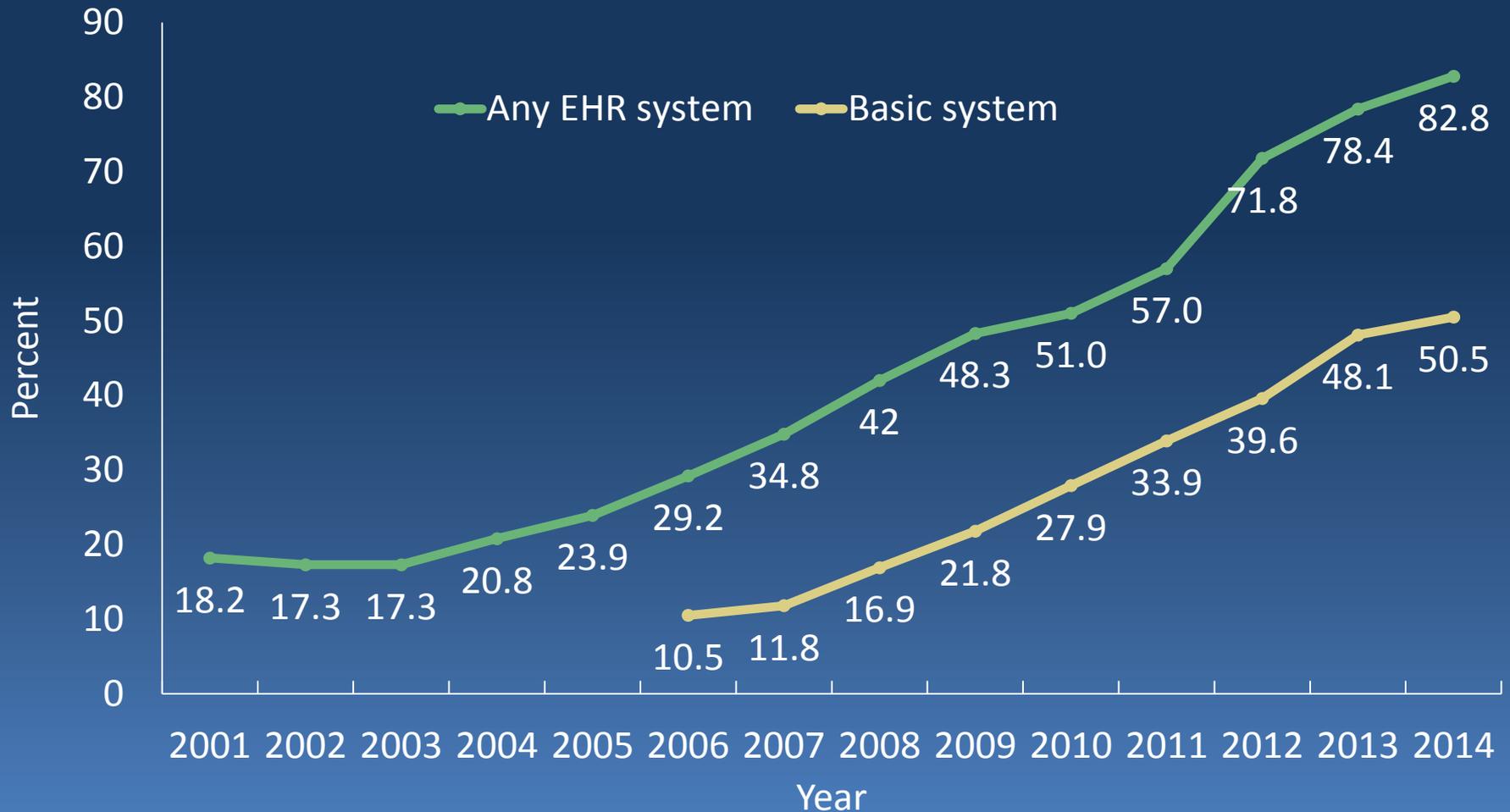
Measuring the Changing Health Care Landscape

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.

Percentage of Office-Based Physicians with EHR Systems: United States, 2001–2014



SOURCE: CDC/NCHS, National Ambulatory Medical Care Survey and National Electronic Health Records Survey.

Compiling Statistics on Topics of Public Health Importance

Health, United States

2013: Special feature on prescription drugs

2014: Special feature on adults 55-64 years old

2015: Special feature on health disparities
(coming in 2016)

Health, United States, 2013

With Special Feature on Prescription Drugs



Health, United States, 2014

With Special Feature on Adults Aged 55-64



America's Children: A Model for Interagency Statistical Collaboration

Federal Interagency Forum on Child and Family Statistics

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

... Visualizing the Nation's Health

- Home
- Chart Type
 - Area Charts
 - Bar Charts
 - Line Graphs
 - Maps
- Data Systems
- NVSS
- Health Topics
 - Births and Deaths
 - leading causes of deaths
 - mortality trends
 - natality trends
 - nonmarital births
 - teen births
- Archive

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

Year: 1990

Age (Years): 15–19

Teen birth rate per 1,000 specified population: 4.7 to 133.7

Color scale applies to all age groups and the entire time period.

Births and Birth Rates for Women Aged 15–19: United States, 1990–2013

Year	U.S. Births (K)	U.S. Rate (per 1,000)
1990	~400	~55
1995	~380	~50
2000	~350	~45
2005	~320	~45
2010	~280	~40
2013	~250	~35

Births and Birth Rates for Women Aged 15–19: Oklahoma, 1990–2013

Year	State Births (K)	State Rate (per 1,000)
1990	~7.5	~55
1995	~7.5	~50
2000	~7.5	~45
2005	~7.0	~45
2010	~6.5	~40
2013	~5.5	~35

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



**National Center
for Health Statistics**

history
project

Come visit our booth in the exhibit hall

Plenary Session I: Health Disparities and Health Equity

- **Measuring Health and Health Disparities: A Look at NCHS Data Systems and the NCHS Conference**
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