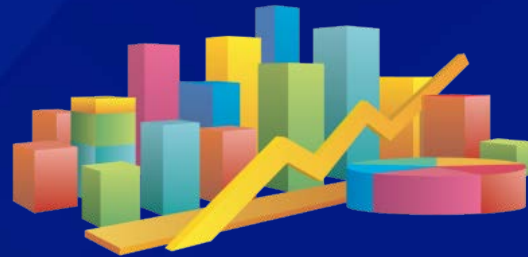


NCHS Update to the Board of Scientific Counselors



Charles J. Rothwell

Director, NCHS

June 19, 2018

ADMINISTRATIVE AND BUDGET UPDATES



FY 2018 NCHS Budget

- **Enacted 160,397,000 level with FY 2017**
 - Includes funds for administrative and business services as part of the CDC Working Capital Fund (about \$17 million)
- **NCHS FY18 Budget in perspective**
 - 2.2% of CDC FY18 program enacted request (\$7.3 billion)
 - 0.2% of HHS FY18 discretionary request (\$69 billion)

FY 2019 NCHS Budget

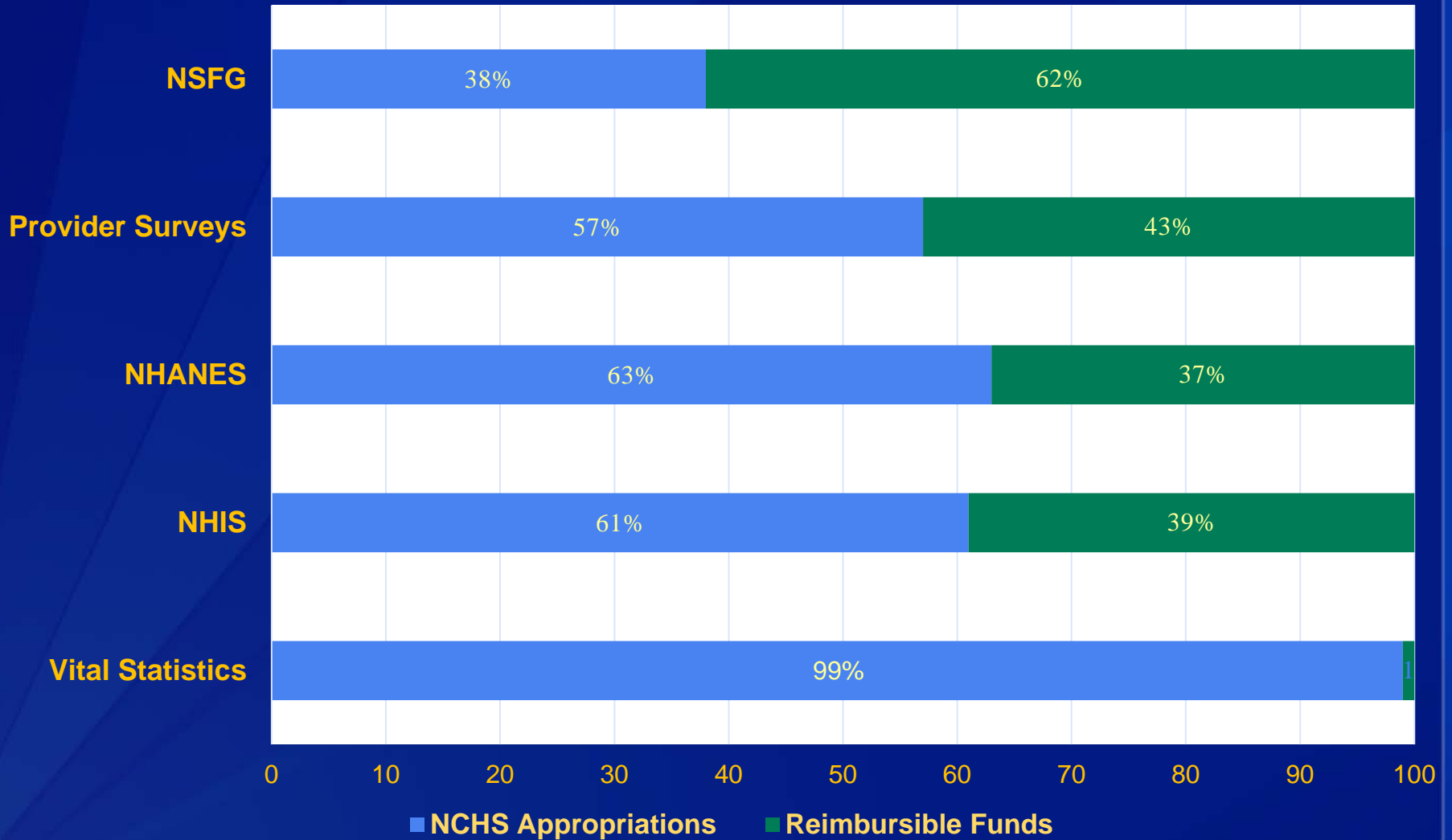
- **FY19 PB requests \$155,000,000 for Health Statistics—a \$5.4 million reduction from FY 2018 enacted.**
- **Includes \$142,968,000 in PHS Evaluation Funds, which NCHS has not received since FY 2014**
- **Evaluation Funds are not subject to the PHS Evaluation tap or the HHS Secretary's tap**

NCHS PROGRAM LEVEL BUDGET FOR FY 2019

- Overall decrease of \$5,397,000
- PHS funds not subject to Evaluation & other taps
- Continued focus on priorities but no new initiatives or innovation

<i>Dollars in millions</i>	FY 2017 Enacted	FY 2018 Enacted	FY 2019 PB	FY 2019+/- FY 2018
Health Statistics	\$160,397	\$160,397	\$155,000	-\$5,397
<i>PHS Evaluation Transfer</i>	\$0	\$0	\$135,820	+\$135,820
<i>Budget Authority</i>	\$160,397	\$160,397	\$19,180	-\$141,217
NCHS Program Level Total		\$160,397	\$155,000	-\$5,397

Percentage of NCHS Data Collections Funded by Reimbursable Dollars in FY2017



NCHS Current Staffing Levels

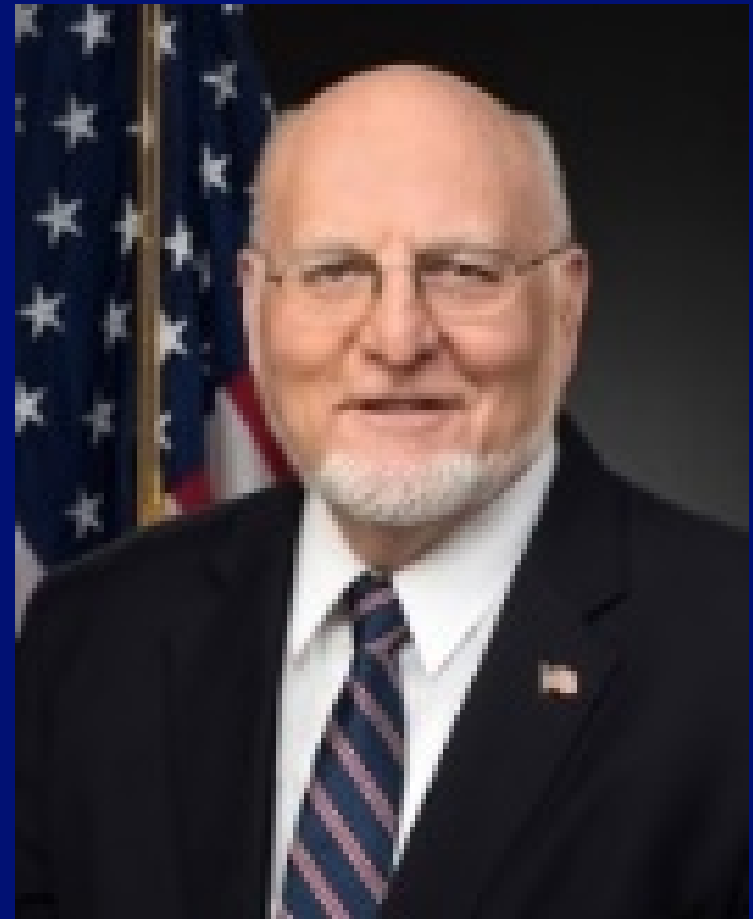
	FY 2016	FY 2017	FY 2018	FY 2019
Full-time permanent	508	503	443	484
Other than full-time permanent	46	51	57	17

Appointments and Nominations

- **Alex M. Azar II, J.D., confirmed as Secretary of HHS**
- **Eric D. Hargan, J.D., Deputy Secretary**
- **Robert R. Redfield, M.D., Director for CDC**
- **James L. Woodworth, M.Ed., Ph.D., Commissioner
National Center for Education Statistics**

Robert R. Redfield, MD
Director, Centers for Disease Control and Prevention

- **Director of the Department of Retroviral Research within the U.S. Military's HIV Research Program**
- **20 years of service in the U.S. Army Medical Corps**
- **Co-founded the University of Maryland's Institute of Human Virology**



NCHS Senior Staff Positions

- **LCDR Sayeedha Uddin, M.D., MPH, Office of the Director, NCHS**
- **Steven Blumberg, Ph.D., Director of the Division of Health Interview Statistics**
- **Jennifer Parker, Ph.D., Director of the Division of Research and Methodology**
- **Dennis T. Lau, Ph.D., Director of the Division of Health Care Statistics**
- **Steven P. Schwartz, Ph.D., Director of the Division of Vital Statistics**

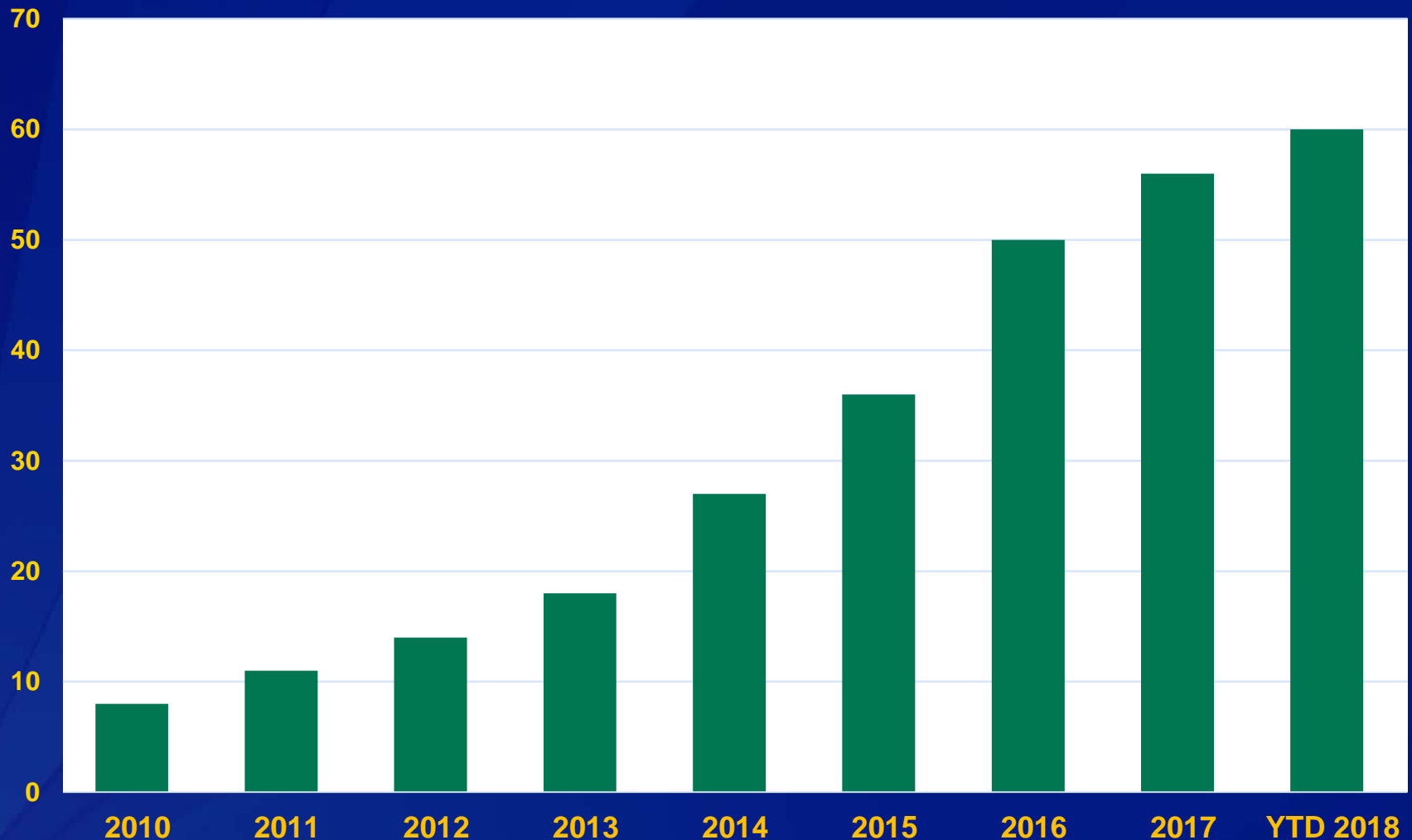
PROGRAM UPDATES



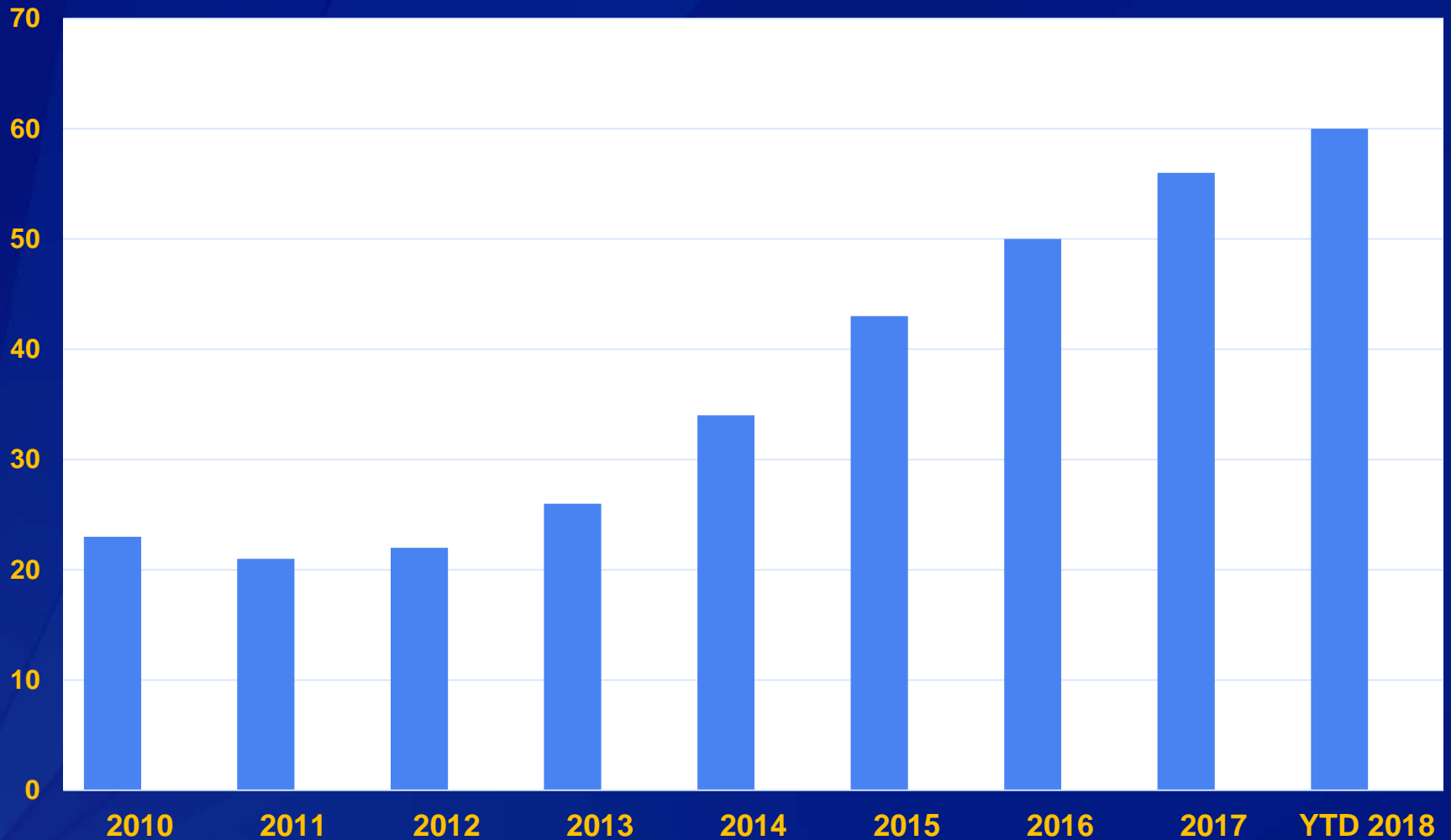
Vital Statistics: Key Initiatives

- Accreditation of Vital Records/Statistics Programs
 - Minimum standards to improve state performance
- Quality of the data
 - eLearning for Physicians and Nurses
 - Interoperability of state systems
- Timeliness of the data
 - Transmission of data to NCHS
 - Special note: Drug deaths (*quick review*)

Percent of Mortality Records Received by NCHS within 10 Days of the Date of Death



Percent of Birth Records Received by NCHS within 10 days of the Date of Birth



Dissemination of Statistics on Deaths Due to Opioid Overdose



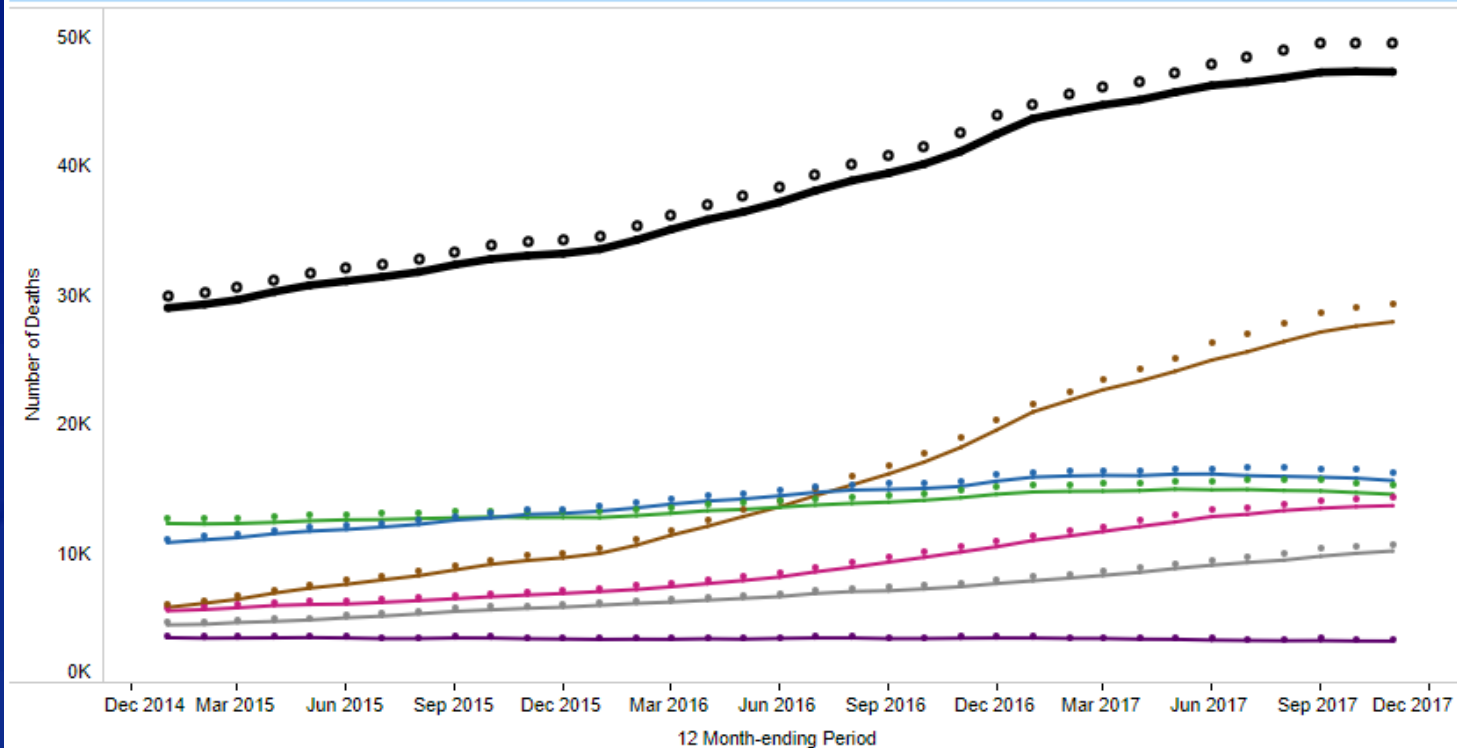
Provisional Number of Drug Overdose Deaths by Drug or Drug Class: Reported and Predicted

Based on data available for analysis on: 6/3/2018

Select Jurisdiction

United States

Figure 2. 12 Month-ending Provisional Number of Drug Overdose Deaths by Drug or Drug Class: United States



Legend for Drug or Drug Class

■ Opioids (T40.0-T40.4,T40.6)

■ Heroin (T40.1)

■ Natural & semi-synthetic opioids (T40.2)

■ Methadone (T40.3)

■ Synthetic opioids, excl. methadone (T40.4)

■ Cocaine (T40.5)

■ Psychostimulants with abuse potential (T43.6)

○ Predicted Value

— Reported Value

Provisional Counts of Drug Overdose Deaths

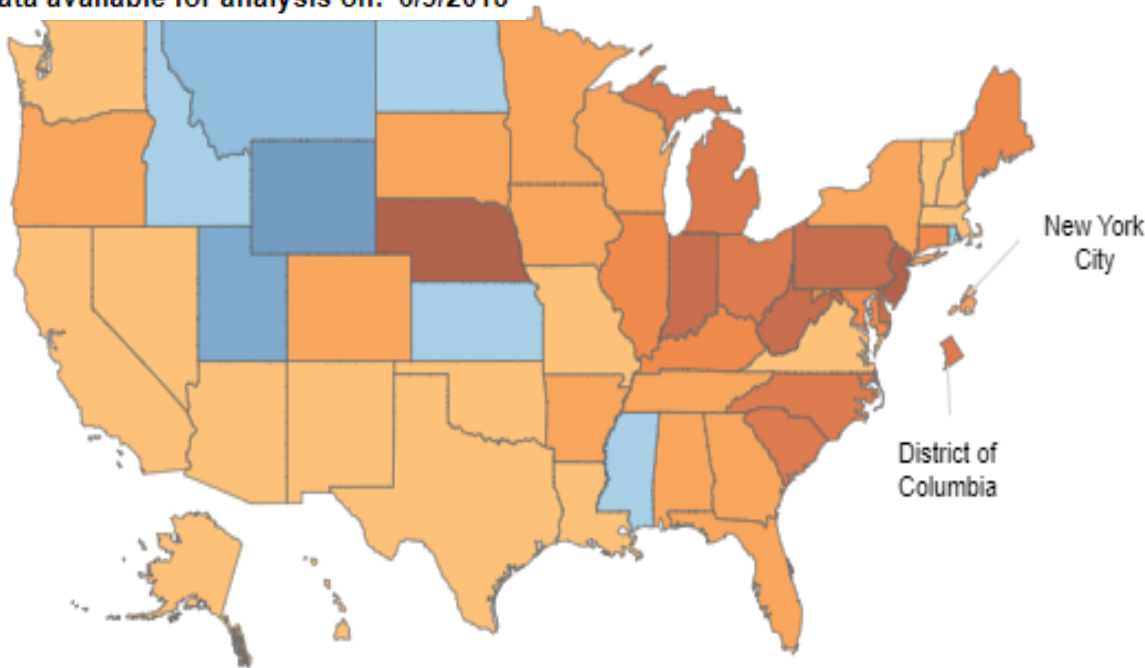
Reported and predicted provisional counts of deaths due to drug overdose occurring nationally and in each jurisdiction

U.S. map of the percentage changes in provisional drug overdose deaths

Reported and predicted provisional counts of drug overdose deaths involving specific drugs or drug classes occurring nationally and in selected jurisdictions.

Figure 1b. Percent Change in Predicted 12 Month-ending Count of Drug Overdose Deaths: November 2016 to November 2017

Based on data available for analysis on: 6/3/2018



Select predicted or reported number of deaths

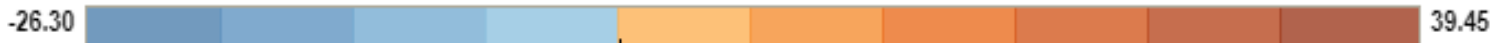
● Predicted

○ Reported

Percent Change for United States

13.2

Legend for Percent Change in Drug Overdose Deaths Between 12-Month Ending Periods

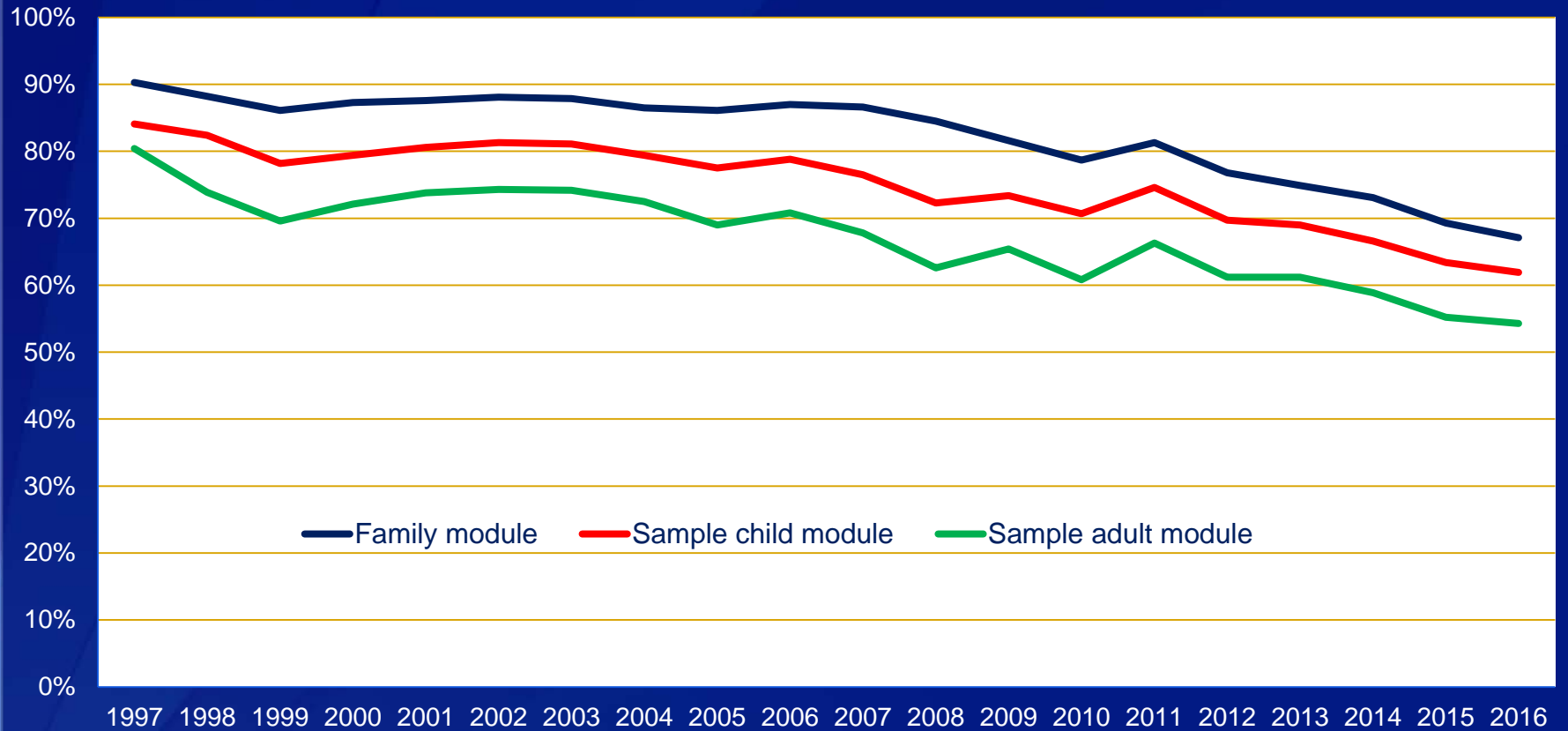


PCORI Evaluation

Improve Timeliness of Data

- Increase coded drug deaths from 33% to 90%
- Work with Medical Examiners and Coroners to get pending counts of death completed faster
- Improve dissemination activities through the rapid release program
- Generate data faster through automation of programs
- Improve timeliness of drug records

Final Response Rates: NHIS, 1997-2016



National Health and Nutrition Examination Survey

- **NHANES 2019-20 content finalized and going through review process - new exams focus on older adults**
- **NHANES questionnaire reduced by 20%**
- **NHANES Longitudinal Feasibility Study completed in-person data collection**
- **NHANES response rates continue to decline**
- **New design options being considered (more tomorrow)**

NHANES

- Identified need to review growth charts for updates: organized a two-day workshop: *Using the CDC growth charts for assessing extreme values of BMI as a continuous variable*
- NCHS-authored publications using NHANES highlighted in the media
 - Herpes simplex virus infections
 - Depression
 - Obesity
 - Dental caries
 - Prescription medication use among children and youth



shots

HEALTH NEWS FROM NPR



3:31

+ QUEUE

DOWNLOAD

EMBED

TRANSCRIPT

TREATMENTS

1 In 3 Adults In The U.S. Takes Medications Linked To Depression

June 12, 2018 · 6:00 PM ET

Heard on All Things Considered



ALLISON AUBREY



New Online

Views 0 | Citations 0 | Altmetric 37



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Research Letter

ONLINE FIRST FREE

March 23, 2018

Trends in Obesity and Severe Obesity Prevalence in US Youth and Adults by Sex and Age, 2007-2008 to 2015-2016

Craig M. Hales, MD¹; Cheryl D. Fryar, MSPH¹; Margaret D. Carroll, MSPH¹; [et al](#)[» Author Affiliations](#) | [Article Information](#)

JAMA. Published online March 23, 2018. doi:10.1001/jama.2018.3060

Obesity prevalence has been increasing since the 1980s among adults, but among youth, prevalence plateaued between 2005-2006 and 2013-2014.^{1,2} We analyzed trends in obesity prevalence among US youth and adults between 2007-2008 and 2015-2016 in order to determine recent changes.

American Adults Just Keep Getting Fatter



Public health experts said they were alarmed that efforts to educate people about the health risks of a poor diet do not seem to be working. Mark Lemmihan/Associated Press

By **Matt Richtel and Andrew Jacobs** March 23, 2018

American adults continue to put on the pounds. New data shows that nearly 40 percent of them were obese in 2015 and 2016, a sharp increase from a decade earlier, federal health officials reported Friday.

The prevalence of severe obesity in American adults is also rising, heightening their risks of developing heart disease, diabetes and various cancers. According to the [latest data, published Friday in JAMA](#), 7.7

JAMA | **Original Investigation**

Trends in Prescription Medication Use Among Children and Adolescents—United States, 1999-2014

Craig M. Hales, MD; Brian K. Kit, MD; Qiuping Gu, MD; Cynthia L. Ogden, PhD

IMPORTANCE Access to appropriate prescription medications, use of inappropriate or ineffective treatments, and adverse drug events are public health concerns among US children and adolescents.

OBJECTIVE To evaluate trends in use of prescription medications among US children and adolescents.

DESIGN, SETTING, AND PARTICIPANTS US children and adolescents aged 0 to 19 years in the 1999-2014 National Health and Nutrition Examination Survey (NHANES)—serial cross-sectional, nationally representative surveys of the civilian noninstitutionalized population.

EXPOSURES Sex, age, race and Hispanic origin, household income and education, insurance status, current health status.

 [Editorial page 1988](#)

 [Supplemental content](#)

 [CME Quiz at
jamanetwork.com/learning](#)

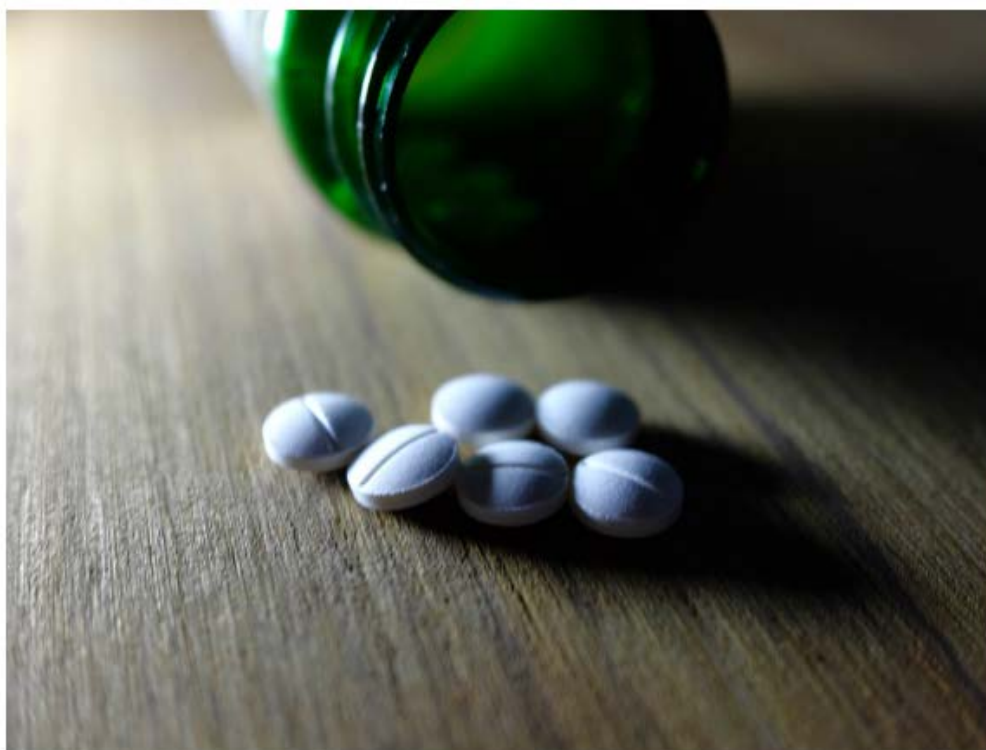


Kids Are Taking Fewer Antibiotics, More ADHD Meds

May 15, 2018 - 11:03 AM ET



RICHARD HARRIS



Division of Health Care Statistics

- **Building Healthcare Electronic Health Record (HEHR) system for NAMCS and NHCS**
 - Includes registration web portal
- **2016 National Hospital Care Survey data received from 150 hospitals (40 transmitted EHR data)**
 - Over 2.5 million inpatient encounters, 7 million ED visits, 35 million outpatient visits
- **2015-2016 National Survey of Long-Term Care Providers data on adult day and residential care were released through RDC**
 - 2017-2018 wave to field in 7/2018; redesign adds user-level data

Health, US: Functions, Features, Uses

■ Functions

- Fulfill statutory mandate
- NCHS Flagship publication

■ Features

- Authoritative data in areas of interest to policymakers
- National trends in health
- Timely
- Accurate
- Easy to access
- Useful to a wide audience

■ Uses

- Find a statistic!
- Monitor trends in the nation's health
- Set research and program priorities
- Develop policies and programs
- Evaluate progress in meeting national health objectives

Health, US 2017

Reducing the size of the printed report, while maintaining the full content on line

- Available in print and online:
 - Preface
 - Chartbook
 - List of Trend Tables
 - References
 - Index
- Available online only:
 - Trend Tables
 - Appendixes
 - PowerPoint and Excel versions of charts and data tables

Health, United States, 2017 will be accessible in its entirety at:
<https://www.cdc.gov/nchs/hus/index.htm>.


NCHS Publications

■ TOTAL Publications: 110 (JUN 2017 – JUN 2018)

- Reports: 74
- Public Use Files: 10
- Web Tables: 11
- Data Visualizations: 22
- Drug Overdose Deaths, Quarterly & Monthly: 13

■ High Priority Publications:

- Health Insurance: 20
- Cholesterol/obesity: 4
- Mortality: 10
- Suicide: 3
- Births: Provisional Data for 2017

 NATIONAL CENTER FOR HEALTH STATISTICS
National Health Interview Survey Early Release Program

Health Insurance Coverage: Early Release of Estimates From the National Health Interview Survey, January–June 2017

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

What's new?

- This report provides health insurance estimates from selected states using 2017 National Health Interview Survey data.

Highlights

- In the first 6 months of 2017, 28.8 million (9.0%) persons of all ages were uninsured at the time of interview—not significantly different from 2016, but 19.8 million fewer persons than in 2010.
- In the first 6 months of 2017, among adults aged 18–64, 12.5% were uninsured at the time of interview, 19.2% had public coverage, and 69.6% had private health insurance coverage.
- In the first 6 months of 2017, among children aged 0–17 years, 5.0% were uninsured, 42.6% had public coverage, and 54.0% had private health insurance coverage.
- Among adults aged 18–64, 69.6% (137.2 million) were covered by private health insurance plans at the time of interview in the first 6 months of 2017. This includes 4.5% (8.8 million) covered by private health insurance plans obtained through the Health Insurance Marketplace or state-based exchanges.
- The percentage of persons under age 65 with private health insurance enrolled in a high-deductible health plan (HDHP) increased, from 39.4% in 2016 to 42.9% in the first 6 months of 2017.

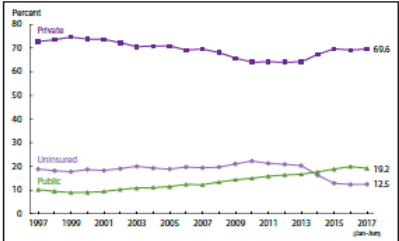
Introduction

This report from the National Center for Health Statistics (NCHS) presents selected estimates of health insurance coverage for the civilian noninstitutionalized U.S. population based on data from the January–June 2017 National Health Interview Survey (NHIS), along with comparable estimates from previous calendar years. Estimates for the first 6 months of 2017 are based on data for 39,480 persons.

Three estimates of lack of health insurance coverage are provided: (a) uninsured at the time of interview, (b) uninsured at least part of the year prior to interview (which includes persons uninsured for more than 1 year), and (c) uninsured for more than 1 year at the time of interview. Estimates of public and private coverage, coverage through exchanges, and enrollment in high-deductible health plans (HDHPs) and consumer-directed health plans (CDHPs) are also presented. Detailed appendix tables at the end of this report show estimates by selected demographics. Definitions are provided in the [Technical Notes](#) at the end of this report.

This report is updated quarterly and is part of the NHIS Early Release (ER) Program, which releases updated selected estimates that are available from the NHIS website at: <https://www.cdc.gov/nchs/nhis.htm>. Estimates for each calendar quarter, by selected demographics, are also available as a separate set of tables through the ER Program. For more information about NHIS and the ER Program, see [Technical Notes](#) and [Additional Early Release Program Products](#) at the end of this report.

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–June 2017



Year	Private (%)	Uninsured (%)	Public (%)
1997	75	18	8
1999	74	18	8
2001	73	18	9
2003	72	18	10
2005	71	18	11
2007	70	18	12
2009	69	18	13
2011	68	18	14
2013	67	18	15
2015	66	18	16
2017 (Jan–Jun)	69.6	12.5	19.2

NOTE: Data are based on household interviews of a sample of the civilian noninstitutionalized population. SOURCE: NCHS, National Health Interview Survey, 1997–2017, Family Core component.

Page | 1 U.S. Department of Health and Human Services • Centers for Disease Control and Prevention • National Center for Health Statistics • Released 11/2017

Methods and Evaluation Reports

- **Guidelines for the Analysis of Trends (April 2018)**
- **Timeliness of Death Certificate Data for Suicides (April 2018)**
- **Issues in Developing a Surveillance Case Definition for Nonfatal Suicide Attempt and Intentional Self-Harm Using ICD-10 (February 2018)**
- **Reference Guide for Certification of Deaths in the Event of a Natural, Human Induced, or Chemical/Radiological Disaster (October 2017)**
- **Data Presentation Standards for Proportions (July 2017)**

The Value of Federal Statistics: NCHS

Suicide rate rising fastest among women,

Health Jun 14, 2018 11:26 AM EDT

Suicide rates among U.S. women climbed steadily, peaking among women age 45 to 64, according to a new report. The rate for women in that age group represented a 6% increase over the past decade.

This is according to new data from the Centers for Disease Control and Prevention's [National Center for Health Statistics](#). In 2016, the rate of suicide among women was 26 per 100,000 deaths, up from 2000 to six per 100,000 deaths.

That's compared to 21 per 100,000 deaths for men age 75 or older.

Bloomberg

Technology

U.S. Suicide Rate Up 30% Since 21st Century

Alex Tanzi and Vincent Del Giudice
June 14, 2018, 12:01 AM EDT

- Change in behavior could signal person considering suicide
- Firearms are leading cause of suicide by American males



MEDPAGE TODAY

Education Health Policy Meetings Practice Mgmt Videos Columns Condition Centers

Psychiatry > Depression

Suicide Rate in Women Jumps by 50%

— From 2000-2016, rates also increased by 21% in men

by Kristen Monaco, Staff Writer, MedPage Today
June 14, 2018

Rates of suicide continue to rise for both women and men in the U.S., according to a new report from the [National Center for Health Statistics \(NCHS\)](#).

has crept higher since the start of the 21st Century, and leading cause of death for those between ages 10 and 19, according to a report from the federal [Centers for Disease Control](#).

rate
committed suicide in the U.S. in 2016

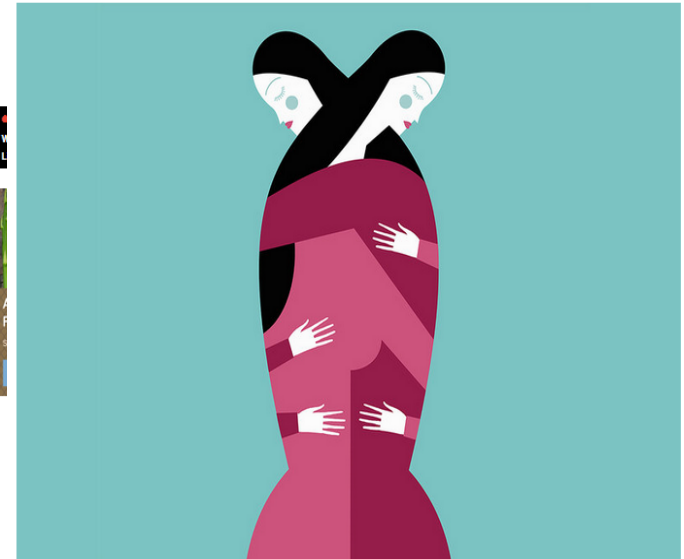


PUBLIC HEALTH

U.S. Suicide Rates Are Rising Faster Among Women Than Men

June 14, 2018 · 12:01 AM ET
Heard on Morning Edition

RHITU CHATTERJEE



Helping those who are suffering know they are not alone is one step toward suicide prevention, researchers say. Veronica Grech/Getty Images

The number of people dying by suicide in the United States has risen by about 30 percent in the past two decades. And while the majority of suicide-related deaths today are among boys and men, a study published Thursday by the [National Center for Health Statistics](#) finds that the number of girls and women taking their own lives is rising.

For the Latest Resources

Please visit our website <https://www.cdc.gov/nchs/index.htm>

The screenshot displays the CDC National Center for Health Statistics website. At the top, there is a navigation bar with the CDC logo and the text "Centers for Disease Control and Prevention CDC 24/7: Saving Lives, Protecting People™". A search bar labeled "Search NCHS" is visible. Below the navigation bar, the "National Center for Health Statistics" is prominently displayed. A horizontal menu contains several categories: "Data Collection Systems", "Programs", "Topics", "Data and Tools", "Publications", and "News and Events". The main content area features a large banner for the "NCHS Data Visualization Gallery" with the subtitle "U.S. and State Trends on Teen Births, 1990-2015". Below the banner, there are several sections: "What's New" with three articles, "Stat of the Day" with a statistic about eye doctor visits, and four user-specific resource boxes for "GENERAL PUBLIC", "RESEARCHERS", "SURVEY PARTICIPANTS", and "STUDENTS AND LIBRARIANS".

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CDC Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

Search NCHS SEARCH

CDC A-Z INDEX ▾

National Center for Health Statistics

f

Data Collection Systems Programs Topics Data and Tools Publications News and Events

NCHS Data Visualization Gallery

U.S. and State Trends on Teen Births, 1990-2015

● ● ● ● ● ●

What's New

National Center for Health Statistics Data Presentation Standards for Proportions.
Series 2, No. 175 (8/21/2017)

Health Care Access and Utilization Among Native Hawaiian and Pacific Islander Persons in the United States, 2014
Series 3, No. 41 (8/18/2017)

Drug Overdose Deaths Among Adolescents Aged 15-19 in the United States, 1999-2015
NCHS Data Brief No. 282 (8/16/2017)

Stat of the Day

More U.S. adults ages 65+ visit the eye doctor (58.5%) than those ages 18 - 64 (36.2%).
Source: [National Health Interview Survey, 2015](#)

GENERAL PUBLIC
Growth Charts, Where to Write for Vital Records, Health US...

RESEARCHERS
Datasets, documentation, and data access tools

SURVEY PARTICIPANTS
Resources for individuals asked to take part in a survey...

STUDENTS AND LIBRARIANS
Research aids, youth outreach, and employment opportunities...

Thank you

