

Board of Scientific Counselors



Jennifer Madans, PhD

Acting Director, National Center for Health Statistics

September 5, 2019



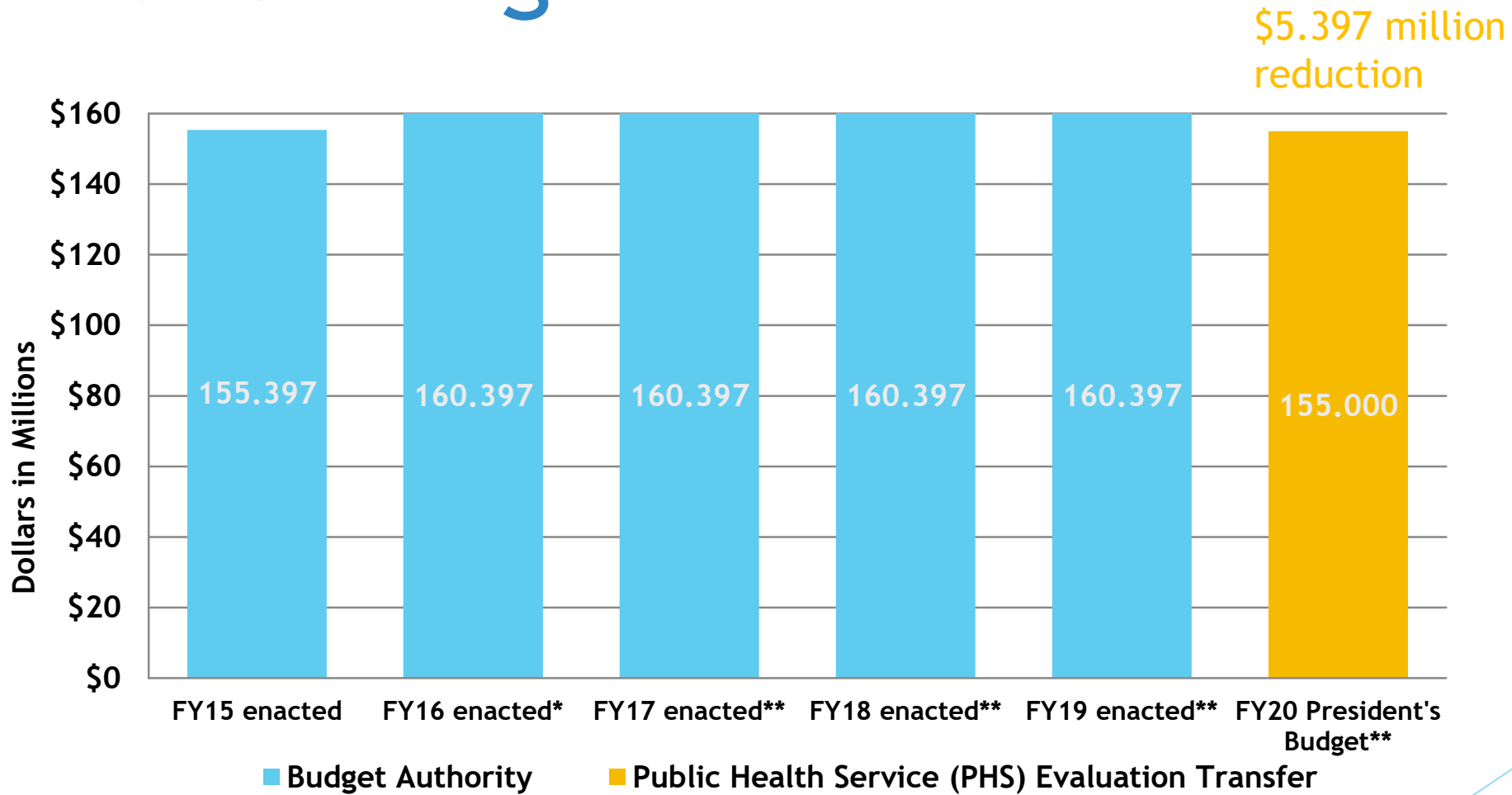


Administrative and Budget Updates

New BSC Members

- ▶ Welcome to our new BSC Members
 - ▶ Kennon R. Copeland, Ph.D.
 - ▶ Scott H. Holan, Ph.D.
 - ▶ John R. Lumpkin, M.D., M.P.H.
 - ▶ Sally C. Morton, Ph.D.
 - ▶ Our new/continuing Chair: Linette Scott, M.D., M.P.H.

NCHS Budget



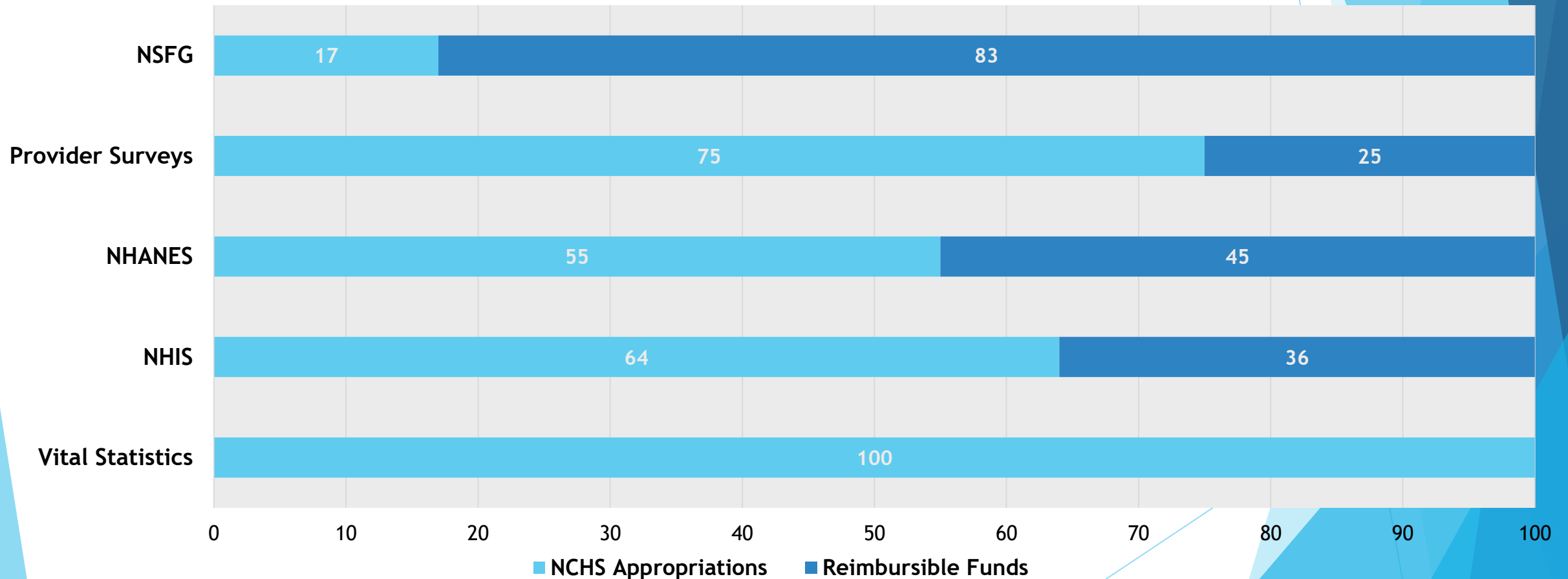
- ▶ *Amount includes \$15.397 million in Budget Authority for administrative and business services through the CDC Working Capital Fund.
- ▶ **Amount includes funding for administrative and business services through the CDC Working Capital Fund.
- ▶ Not included: NCHS relies on an additional transfer from CDC's Public Health and Scientific Services Account, about \$14 million annually.

Additional Funding (ORCU + PCOR)

Funding Type	FY 2018	FY 2019
Patient-Centered Outcomes Research (PCOR) Initiative*	\$4,826,561	\$1,556,845
Opioid Response Coordinating Unit (ORCU)	\$7,830,000	\$11,500,000
TOTAL	\$12,656,561	\$13,056,845

*Total PCOR funding received supports work beyond opioids projects

Percentage of NCHS Data Collections Funded by Reimbursable Dollars in FY2018



Congressional Visit

- ▶ May Visit to House Appropriators on the Hill
- ▶ July Appropriators Visit to NCHS
 - ▶ Funding for stabilizing current programs and surveys
 - ▶ Data modernization



Program updates

Division of Vital Statistics (DVS)

Closing the gap on jurisdictions without Electronic Death Registration (EDR) Systems

- ▶ 6 jurisdictions just awarded funding to build new EDR systems
- ▶ 8 jurisdictions funded to complete building-out systems
- ▶ 5 jurisdictions funded to expand interoperability with medical examiner/coroner systems
- ▶ More jurisdictions submitted proposals than could be funded

Upcoming Implementers meeting in Atlanta in September 2019

- ▶ An opportunity to test and demonstrate interoperability in medical examiner/coroner systems, NCHS, and registries - the intent is to create a seamless flow of data between state surveillance systems
- ▶ Implementer states: California, Florida, Georgia, Michigan, New Hampshire, New York

Division of Health Interview Statistics (DHIS)

2018 NHIS

- ❖ Public use data files released **June 24, 2019**

2019 NHIS

- ❖ January-June sample adult response rates (60.0%) remain stronger than 2018 (53.1%)
- ❖ January-June data are being cleaned, optimized, processed, and carefully reviewed
- ❖ Comparisons of estimates from the old and new questionnaire designs are ongoing
- ❖ Nonresponse bias analyses for Q1 2019 recently completed

2020 NHIS

- ❖ Rotating content new for 2020:
 - ❖ Industry and occupation; Injuries; Physical activity; Walking; Sleep; Fatigue; Smoking history and cessation; Alcohol use; Neighborhood characteristics
- ❖ Sponsored content new for 2020:
 - ❖ Diabetes (NCCDPHP); Opioid use and pain management (NCIPC); Age-of-onset of disability (ACL)
- ❖ Sponsored content ongoing in 2020:
 - ❖ Cancer control and prevention (NCI and NCCDPHP); Immunizations (NCIRD); Non-cigarette tobacco product use (FDA); Food security (USDA)

Division of Health and Nutrition Examination Survey (DHANES)

DHANES Director Update

- ▶ Recruitment underway for new DHANES Director
- ▶ Ryne Paulose, PhD, Acting Director

Planning NHANES 2023+

- ▶ Determining core content and key covariates
- ▶ Continuing market research
 - ▶ Evaluating options to decluster
 - ▶ Exploring requirements for in-home phlebotomy
 - ▶ Assessing a range of innovations to improve data collection

Planning NHANES 2021 - 2022

- ▶ Decisions on content

NHANES Data Release

- ▶ Currently evaluating NHANES 17-18 data quality
- ▶ Making adjustments to the sample weights
- ▶ Public release of NHANES 17-18 data files will be delayed



Division of Health Care Statistics (DHCS)

National Ambulatory Medical Care Survey (NAMCS) - Physician:

- ❖ Last data release: 2016 NAMCS (released 01/2019)
- ❖ Next expected release: 2018 NAMCS (release expected 2nd quarter 2020)
- ❖ 2017 NAMCS undergoing further data processing due to the addition of EHR data, requiring additional time

National Hospital Ambulatory Medical Care Survey (NHAMCS) Emergency Department (ED):

- ❖ Last data release: 2016 NHAMCS ED (released 11/2018)
- ❖ Next expected release: 2017 NHAMCS ED (release expected end of 2019 or 1st quarter of 2020)

National Electronic Health Records Survey (NEHRS):

- ❖ Last data release: 2017 NEHRS (released 12/2018)
- ❖ Next expected release: 2017 NEHRS Supplement (release expected 4th quarter 2019)
- ❖ 2018 NEHRS RDC file should also be released in 4th quarter 2019 + public release in Q2 2020 - the first time to be released to the public

Long-Term Care Surveys Update:

National Study of Long-Term Care Providers (NSLTCP), 2017-2018, survey redesign:

- ❖ First time person-level sampling and data collection
- ❖ Completed data collection February 2019
- ❖ Plan for survey data in RDC October 2019 and public-use files July 2020

National Post-Acute and Long-Term Care Study (NPALS, formerly NSLTCP), 2019-2020:

- ❖ Plan to award surveys contract in September 2019
- ❖ Adding 2 sectors to reflect spectrum of post-acute care (inpatient rehab and long-term care hospitals)
- ❖ Obtaining multiple administrative data files from CMS
- ❖ No person-level data collection

Division of Analysis and Epidemiology (DAE)

What is *Health, United States*?

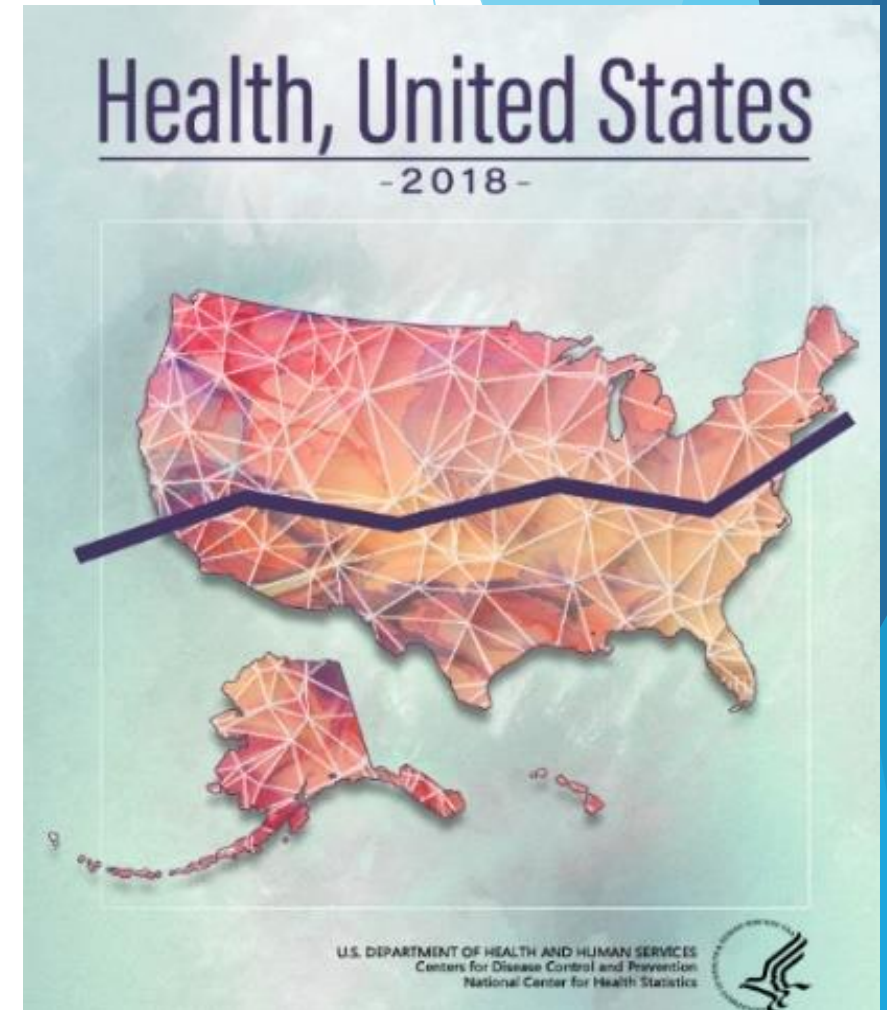
- ▶ Legislatively mandated report on the health status of the nation submitted to the President and the Congress
- ▶ Provides an overview of national trends in key health indicators

Health, United States 2018 - latest report coming soon!

- ▶ **Expected release in October 2019**
- ▶ Printed and PDF 20-figure Chartbook on the Health of Americans
- ▶ 47 detailed trend tables available as an online-only supplement

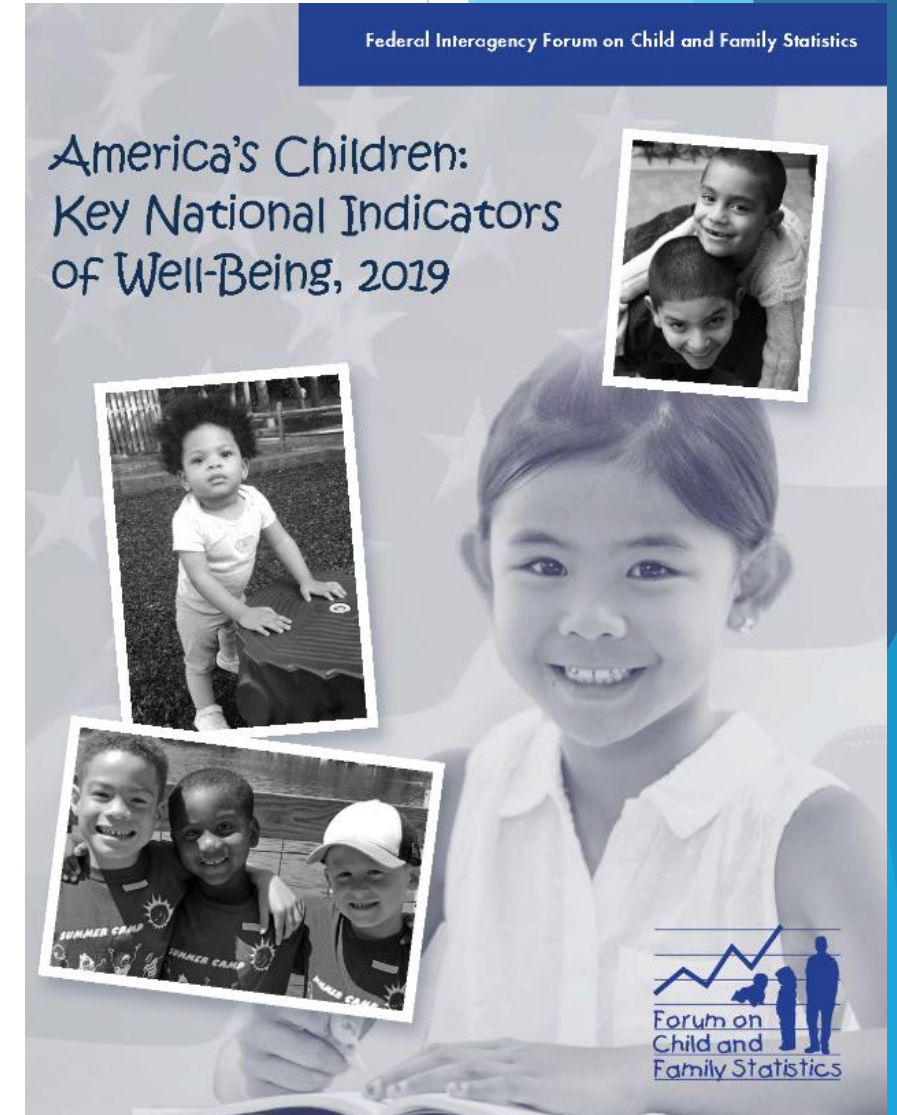
Undergoing redesign exploration, gathering input from:

- ▶ Government and academic stakeholders
- ▶ Reports and websites for best practices in dissemination



Federal Interagency Forum on Child and Family Statistics

- ▶ **New Report out in September 2019!**
- ▶ Founded in 1994 with a focus on coordination across federal agencies working on child and family programs and data
- ▶ Comprised of 23 agencies that produce or use statistical data on children
- ▶ NCHS administers the Forum's work, provides data and statistical expertise
- ▶ Includes data from the National Vital Statistics System (natality, mortality, linked births/deaths), National Health Interview Survey, National Health and Nutrition Examination Survey, National Hospital Ambulatory Medical Care Survey - Emergency Department



NCHS Awarded the CDC Shepard Award in Data Methods and Study Design

- ▶ Cross-Division collaboration at NCHS from colleagues in DRM, DAE, and DVS:

- ▶ Diba Khan
- ▶ Lauren M. Rossen
- ▶ Holly Hedegaard
- ▶ Margaret Warner



- ▶ A Bayesian Spatial and Temporal Modeling Approach to Mapping Geographic Variation in Mortality Rates for Subnational Areas with R-INLA

Diba Khan, Lauren M. Rossen, Holly Hedegaard, and Margaret Warner. A Bayesian Spatial and Temporal Modeling Approach to Mapping Geographic Variation in Mortality Rates for Subnational Areas with R-INLA. *J Data Sci* 2018; 16(1): 147-182

NCHS Publications by Fiscal Year

Publications Type	Fiscal Year									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019*
Data Briefs	22	30	31	23	37	50	42	28	34	28
Early Release	11	11	15	14	12	9			9	11
Fact Sheets	2				1	10	4	16	29	23
Health E-Stats	6	5	6	3	5	4	8	1	6	1
Health, United States	3	2	2	2	2	2	2	1	1	
Healthy People, 2020								1		
Misc. Reports		1		2	1					
NHSR	9	16	15	11	9	7	13	9	12	7
NVSR	23	8	13	8	10	17	7	8	8	13
Series Reports	14	10	11	13	10	6	4	7	10	3
Statistical Note							1			
Vital Statistics Rapid Release Special Report								1	4	1
Vital Statistics Reporting Guidance (VSRG)									1	1
TOTALS	90	83	93	76	87	105	81	72	114	88

Publications using NHANES Data

Publications Type	2014	2015	2016	2017	2018	Total
Government publications (Data briefs, NHR, etc.)	16	15	12	8	9	60
Health e-Stats	0	5	1	7	0	13
QuickStats	5	7	5	5	3	25
Journals	320	738	1,038	1,044	2,002	5,142
Total	341	765	1,056	1,064	2,014	5,240

NCHS Publications Since Last BSC

Publication Type	Number Released*
TOTAL	34
Data Briefs	16
Early Release	3
Rapid Release	1
Reports	8
Reporting Guidance	1
Data Visualizations	2
Web Tables	2
E-Stat	1

*Released by NCHS Office of Information Services

NCHS Data Brief ■ No. 348 ■ August 2019

Secondhand Smoke Exposure Among Nonsmoking Youth: United States, 2013–2016

Debra J. Brody, M.P.H., Zhaohui Lu, M.S., and James Tsai, M.D.

Key findings

Data from the National Health and Nutrition Examination Survey

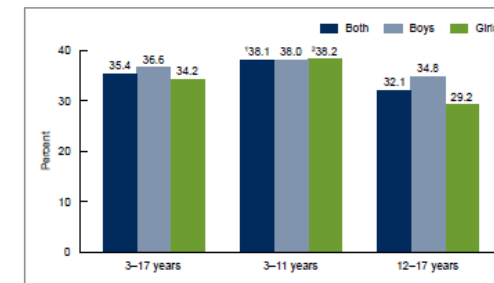
- In 2013–2016, more than one-third (35.4%) of U.S. nonsmoking youth aged 3–17 years were exposed to secondhand smoke (SHS) from tobacco, as measured by cotinine in the blood.
- The percentage of SHS exposure was higher for youth aged 3–11 than for youth aged 12–17, and similar for boys and girls.
- A higher percentage of non-Hispanic black (61.8%) youth was exposed to SHS compared with non-Hispanic white (34.3%), non-Hispanic Asian (18.3%), and Hispanic (24.9%) youth.
- The percentage of SHS-exposed youth increased with decreasing family income.
- The percentage of SHS-exposed youth living with two or more tobacco smokers was more than three times as high as youth not living with a smoker.

Secondhand smoke (SHS) exposure comes from the inhalation of smoke from burning cigarettes, cigars, and pipes (1). SHS can cause sudden infant death syndrome, respiratory and ear infections, and asthma attacks in youth (1,2). Decreases in tobacco smoking, awareness of SHS health risks, and smoke-free policies may have contributed to a reduction in SHS exposure since the late 1980s (3,4). However, in recent years, the percentage of youth with SHS exposure has remained steady (5). This report describes the prevalence of SHS exposure among nonsmoking youth in 2013–2016, as defined by serum cotinine, a metabolite of nicotine.

What percentage of U.S. youth were exposed to SHS, and were there differences by age and sex in 2013–2016?

In 2013–2016, 35.4% of U.S. youth aged 3–17 years were exposed to SHS, and overall, exposure differed by age group (Figure 1).

Figure 1. Percentage of youth with secondhand smoke exposure, by age and sex: United States, 2013–2016



¹Significantly different from youth aged 12–17 years ($p < 0.05$).

²Significantly different from girls aged 12–17 years ($p < 0.05$).

NOTE: Secondhand smoke is defined as serum cotinine levels of 0.05–10.00 ng/mL (aged 3–17 years) and no reported tobacco use (aged 12–17 years). Access data table for Figure 1 at: https://www.cdc.gov/nchs/data/databriefs/db348_tskrte-508.pdf.

SOURCE: NCHS, National Health and Nutrition Examination Survey, 2013–2016.



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



NCHS reports can be downloaded from: <https://www.cdc.gov/nchs/products/index.htm>.

Select Data Briefs Since Last BSC

- ▶ Strategies Used by Adults Aged 65 and Over to Reduce Their Prescription Drug Costs, 2016-2017
- ▶ Regional Variation in Private Dental Coverage and Care among Dentate Adults Aged 18-64 in the United States, 2014-2017
- ▶ Opioids Prescribed at Discharge or Given During Emergency Department Visits Among Adults in the United States, 2016
- ▶ Contribution of Whole Grains to Total Grains Intake Among Adults Aged 20 and Over: United States, 2013-2016
- ▶ Unintentional Injury Death Rates in Rural and Urban Areas: United States, 1999-2017
- ▶ Eye Disorders and Vision Loss among U.S. Adults Aged 45 and Over With Diagnosed Diabetes
- ▶ Births in the United States, 2018
- ▶ Urban-Rural Differences in Drug Overdose Death Rates, by Sex, Age, and Type of Drugs Involved, 2017
- ▶ Prescription Drug Use Among Adults Aged 40-79 in the United States and Canada

Upcoming NCHS Reports

- ▶ Cognitive Performance in Adults Aged 60 Years of Age and Over: National Health and Nutrition Examination Survey, 2011-2014
- ▶ Characteristics of Asthma Visits to Physician Offices in the United States: 2012-2015, National Ambulatory Medical Care Survey
- ▶ Trends in Apolipoprotein B, non-High Density Lipoprotein Cholesterol, and Low Density Lipoprotein Cholesterol for Adults 20 Years and Older in the U.S., 2005-2016
- ▶ Maternal Characteristics and Infant Outcomes in Appalachia and the Delta
- ▶ Design and Operation of the 2013 National Survey of Children in Nonparental Care and the 2014 National Survey of the Diagnosis and Treatment of ADHD and Tourette Syndrome

NCHS in the News

Bloomberg **Nearly One in Two Americans Takes Prescription Drugs: Survey** **Pill Poppers Are Just as Common in Canada as America: Survey**

The Herald Bulletin
Anderson, IN | heraldbulletin.com

More seniors, families opting for long-term care at home

By Andy Knight | The Herald Bulletin Aug 2, 2019



The New York Times

U.S. Birthrate Drops 4th Year in a Row, Possibly Echoing the Great Recession



TIME

New Government Estimates Offer Early Hope That Drug Overdose Deaths Are Waning