NCHS Director’s Update to the Friends of NCHS

Jennifer Madans, PhD
Acting Director, NCHS
April 16, 2019
ADMINISTRATIVE AND BUDGET UPDATES
NCHS Budget

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Budget Authority</th>
<th>Public Health Service (PHS) Evaluation Transfer</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 2015 enacted</td>
<td>155,397</td>
<td></td>
</tr>
<tr>
<td>FY 2016 enacted</td>
<td>160,397</td>
<td></td>
</tr>
<tr>
<td>FY 2017 enacted</td>
<td>160,397</td>
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<td></td>
</tr>
<tr>
<td>FY 2019 enacted</td>
<td>160,397</td>
<td></td>
</tr>
<tr>
<td>FY 2020 President's Budget</td>
<td>155,000</td>
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</tr>
</tbody>
</table>

1. Amount includes $15,397 million in Budget Authority for administrative and business services through the CDC Working Capital Fund.

2. Amount includes funding for administrative and business services through the CDC Working Capital Fund.
NCHS Budget

- In FY 2020 $155,000,000 is requested in Public Health Service (PHS) Evaluation Transfer
- $5,397,000 below the FY 2019 Enacted level
- Continued focus on priorities but no new initiatives or innovation
- PHS Transfer funds not subject to Evaluation & other taps
- NCHS has not had PHS Evaluation Transfer funds since FY14
- Permissive Transfer to support the Unaccompanied Alien Children program
  - $542 thousand in FY 2018
  - $547 thousand in FY 2019
Percentage of NCHS Data Collections Funded by Reimbursable Dollars in FY2018

- **NSFG**: 17% NCHS Appropriations, 83% Reimbursable Funds
- **Provider Surveys**: 75% NCHS Appropriations, 25% Reimbursable Funds
- **NHANES**: 55% NCHS Appropriations, 45% Reimbursable Funds
- **NHIS**: 64% NCHS Appropriations, 36% Reimbursable Funds
- **Vital Statistics**: 100% NCHS Appropriations, 0% Reimbursable Funds
PROGRAM UPDATES
Life Expectancy for Selected Ages by Sex, United States, 2016 and 2017

At birth
Both sexes
Male
Female

At age 65
Both sexes
Male
Female

NOTES: Life expectancies for 2016 were revised using updated Medicare data; therefore, figures may differ from those previously published. Access data table for Figure 1 at: https://www.cdc.gov/nchs/data/databriefs/db328_tables-508.pdf#1.
Predicted Drug Overdose Death Counts

Predicted counts use a ‘multiplication factors’ based on the degree of underreporting in provisional data compared with final data.
New Opioid Funding

• Build foundational mortality infrastructure of state vital registration programs
  ▪ e.g. Support implantation of EDRS in jurisdictions without an operational system
• Expand interoperability capabilities at the state level
  ▪ e.g. Support and expand efforts to develop interoperability between ME/C case management systems and state EDRS
• Enhance the NCHS mortality IT infrastructure
  ▪ e.g. Enhance NCHS IT infrastructure to support interoperability with state EDRS
• Support efforts to improve quality and timeliness of ME/C investigation and reporting of drug overdose deaths
NHIS Annual Content Plan 2019-2027

Annual core
- Key measures
- Sociodemographics

Rotating core
- Newer topic areas
- Expanded detail
- Varying periodicity

Sponsored supplements
- “Sustaining” sponsors
- 1- or 2-year modules
- 5 min or less

One adult and one child randomly selected from each household
- Demographics for all HH members
- Family info collected from sample adult and parent of sample child

Service Utilization: Dental Care; Mental Health Care; Other Services

Allegies and Other Conditions: Psychological Distress

Chronic Conditions: Hypertension; High Cholesterol; Cardiovascular Conditions; Asthma; Cancer; Diabetes; Other Chronic Conditions; Height and Weight

Functioning and Disability: Vision; Hearing; Mobility; Communication; Cognition; Self-Care and Upper Body Limitations; Anxiety; Depression; Social Functioning

Health Insurance: Coverage Status; Sources of Coverage; Characteristics of Coverage; Continuity of Coverage; Reasons for No Health Insurance

Health Care Access and Use: Primary and Urgent Care; Financial Barriers to Care; Prescription Medication; Flu and Pneumonia Immunization

Health-Related Behaviors: Cigarettes and E-cigarettes

Demographics: Marital Status; Sexual Orientation; Veterans Status; Nativity; Schooling; Employment; Family Income; Food-Related Program Participation; Housing; Telephone Use

Mental Health Assessment: Injuries

Chronic Pain: Severity and Impact; Locations

Preventive Services: Screening Tests; Aspirin Use

Sustaining sponsors* add content every year. Annual sponsored content will include cancer control and prevention (NCI and NCCDPHP), immunizations (NCIRD), non-cigarette tobacco product use (FDA), and food security (USDA).

Other sponsors* add content in selected years. Anticipated sponsorships include expanded content on arthritis in 2019 (NCCDPHP and NIAMS), insulin use in 2019 (NIDDK and NCCDPHP), diabetes in 2020 (NCCDPHP), and complementary and integrative health in 2022 (NCCIH).

Emerging topics: New topics of growing interest may be added by NCHS, generally for one year. In 2019, the topics are prescription opioid use and pain management.
NHIS Bridge Sample

- **Dress Rehearsal and Full-Scale Systems Test**
  - During the last quarter of 2018 with split sample
  - Approximately 9,000 addresses randomly assigned to each instrument
  - Opportunity for all current interviewers to gain experience with the redesign instrument prior to 2019 production

- **Analysis is Ongoing**
  - Comparison of process indicators including response rates, level of effort, timing, perceived burden, nonresponse bias
  - Comparison of health outcomes where appropriate
  - Focus groups with interviewers to learn about their experience selling the survey and conducting the interview
Response rates for the adult interview were up by at least 5 points

NHIS Response Rates – Quarter 4, 2018

<table>
<thead>
<tr>
<th>Sample</th>
<th>October</th>
<th>November</th>
<th>December</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Adult</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bridge Sample</td>
<td>59.1</td>
<td>58.5</td>
<td>60.0</td>
</tr>
<tr>
<td>2018 Production</td>
<td>54.2</td>
<td>53.5</td>
<td>52.5</td>
</tr>
<tr>
<td><strong>Sample Child</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bridge Sample</td>
<td>59.9</td>
<td>59.1</td>
<td>60.2</td>
</tr>
<tr>
<td>2018 Production</td>
<td>61.2</td>
<td>58.7</td>
<td>56.6</td>
</tr>
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Implications for the Early Release Program

2019 questionnaire redesign changes the availability of indicators

- Usual place to go for medical care
- Obtaining needed medical care
- Influenza vaccination
- Pneumococcal vaccination
- Obesity
- Leisure-time physical activity
- Current smoking
- Alcohol consumption
- HIV testing
- General health status
- Personal care needs
- Serious psychological distress
- Diabetes
- Asthma

- Red = No longer on NHIS
- Yellow = Rotating content, not available annually
Implications for the Early Release Program

Even if indicator is still available, there is a possible break in series due to wording or context changes

- For example, HIV testing estimates changed when the testing question was moved in 2011 and 2013
Implications for the Early Release Program

2019 questionnaire redesign provides opportunity to reconsider the purpose and content of the Early Release program reports

- Interim report card of nation’s health
  - Making estimates available before final data are released
- Surveillance of key health indicators
  - Permitting investigation of quarter-to-quarter changes
- Evaluation tool for impact of public policy
  - Focusing on topics of current public health importance
Timeline for 2019 NHIS Products and Public Use Data

- January 2019  Launch of the Redesigned 2019 Questionnaire
- December 2019  First ER Products from the 2019 NHIS*
- Late Summer 2020  Public Use Data Files from the 2019 NHIS

*ER products based on Quarter 1 data, typically released in September, will not be available. NHIS staff need time to evaluate the quality of the data coming from the redesigned questionnaire.
Division of Health Care Statistics: Update on Electronic Health Record (EHR) Activities

- Development continues for the Healthcare Electronic Health Record (HEHR) system for NAMCS and NHCS
  - Direct messaging is now operational for submission of EHR data

- EHR vendors have developed interfaces based on the HL7 CDA® R2 Implementation Guide: National Health Care Surveys, STU Release 1.0 or 1.2 – US Realm
  - 60 products have been certified
  - EHR vendors with developed products include Allscripts, Cerner, MedHost, NextGen, and Rhapsody Integration Engine

- Registrations continue for the National Health Care Surveys public health reporting registry
  - Over 180,000 eligible professionals/eligible clinician registered
  - Over 1,100 eligible hospitals/critical access hospitals registered
Division of Health Care Statistics: Patient-Center Outcomes Research Trust Fund (PCORFT) Update

• FY17 - 2014 and 2016 National Hospital Care Survey (NHCS) linked files in RDC
  ▪ 2014 NHCS Data Linked to 2014/2015 National Death Index, February 2018
  ▪ 2016 NHCS Data Linked to 2016/2017 National Death Index, February 2019
  ▪ 2014 NHCS Data Linked to 2014/2015 Master Beneficiary Summary File, January 2019

• FY18 - Improve identification of opioid cases in hospital and death records
  ▪ Work toward releasing 2014 NHCS Data Linked to the 2014/2015 NDI files with information on specific opioid agents involved in May 2019
  ▪ Continue to develop natural language processing techniques to identify uncoded opioid-involved ED visits from 2016 NHCS EHR clinical note

• FY19 - Identify opioid cases with co-occurring substance abuse and mental health disorders using linked NHCS and mortality data
  ▪ Started on May 1
Division of Health Care Statistics: National Long-Term Care Providers (NSLTCP) Update

- NSLTCP 3rd wave: 2015-2016
  - Published Series 3 report and PowerPoint slides of 20+ figures (February 2019)
    - https://www.cdc.gov/nchs/nsltcp/nsltcp_reports.htm
  - Variety of media coverage

- NSLTCP 4th wave: 2017-2018, survey redesign
  - First time person-level sampling and data collection
  - Completed data collection late February 2019
  - Plan for survey data in RDC September 2019 and public-use files July 2020

- National Post-Acute Long-Term Care Study (NPALS) (formerly NSLTCP) 5th wave: 2019-2020
  - Plan to award survey contract September 2019
  - Started process to obtain multiple administrative data files from CMS
National Health and Nutrition Examination Survey (NHANES)

- Kathryn Porter, DHANES Director, retiring September 1, 2019
- Recruitment underway for new DHANES Director
- Contract solicitation – Gaining Cooperation
  - Evaluate current NHANES methods, provide insights to improve response rates
- Nonresponse bias analyses
  - Multiple projects
  - NHANES 17-18 NRBA draft report from contractor in July
- NHANES 2021-22 ‘lite’
  - Plan to keep survey in the field, reducing costs
    - Options: drop race/ethnic screening, remote dietary interviewing
- Evaluating feasibility of in-home phlebotomy for 2023
Celebrating 20th Anniversary of Continuous NHANES
Selected Current Question Evaluation Studies

• Opioids
  ▪ Population: Use, Misuse, Impairment, Disorder
  ▪ Pregnant Women (PRAMS)
  ▪ Physician: Prescribing Practices

• Disability
  ▪ ID/DD Question Development
  ▪ WG Items for ACS
  ▪ Labor Force Module with ILO
  ▪ Inclusive Education with UNICEF
Selected Current Question Evaluation Studies

• NHIS
  ▪ Adult Health Behavior and Screening
  ▪ Children’s Health Behavior
  ▪ Injury

• Other
  ▪ NHANES Message Testing/Non-responder Interviewing
  ▪ DHCS Long Term Care Record Alignment Study
  ▪ Verbal Autopsy
  ▪ NIOSH Gig Employment
Division of Research and Methodology

Collaborating Center for Statistical Research and Survey Design
Collaborating Center for Questionnaire Design and Evaluation Research

- DRM Research and Development Survey (RANDS)
  - Intra-division effort to evaluate the utility of web surveys in measuring and estimating national level health information

- Selected research questions:
  - How does sample size affect the calibration of internet estimates to national surveys? (Collaboration with Statistics Canada)
  - Can embedded experiments in RANDS extend cognitive interviewing as a tool for evaluating question quality and performance?
  - Does the ability to statistically calibrate particular health outcomes relate to question quality and performance?
Office of Analysis and Epidemiology (OAE)  
Current NCHS Data Linkages

- The linked data result in resources that can be used by researchers and policy makers for analytical and statistical purposes
- The NCHS Data Linkage Program is aligned with more recent initiatives on evidence based policymaking including:
  - Medicare: up to 20 years of follow-up
  - Medicaid: up to 20 years of follow-up
  - HUD: up to 15 years of follow-up
  - SSA: up to 20 years of follow-up
  - NDI: up to 30 years of follow-up
  - NCHS surveys
Office of Analysis and Epidemiology (OAE)
Health, United States

- Health, United States 2018 Report
  - Printed and PDF 20-figure Chartbook on the Health of Americans
  - 48 detailed trend tables available in an online-only supplement

- Redesign Update: Research
  - Talk with government and academic data users to understand content needs
  - Review of ~500 HUS citations to understand uses in scientific literature

- Spotlight Infographic on Racial and Ethnic Disparities in Heart Disease to be released on April 23
  - The Spotlight Infographic series explores health topics using data from the Health, United States annual report
## Next Steps for Healthy People (HP)

<table>
<thead>
<tr>
<th>Time Frame</th>
<th>HP2030</th>
<th>HP2020</th>
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<tbody>
<tr>
<td>December 2018 to January 2019</td>
<td>Public Comment and Target Setting</td>
<td>Data updates; Leading Health Indicator (LHI) releases</td>
</tr>
<tr>
<td>Spring 2019</td>
<td>Departmental Clearance and Data Template</td>
<td>Data updates; LHI releases</td>
</tr>
<tr>
<td>Summer 2019</td>
<td>Launch data production and verification</td>
<td>Data updates; LHI releases</td>
</tr>
<tr>
<td>Fall 2019</td>
<td>Finalization of HP2030 launch data</td>
<td>Finalization of HP2020 final data; LHI releases</td>
</tr>
<tr>
<td>Early 2020</td>
<td>Launch of HP2030</td>
<td>Closeout of HP2020</td>
</tr>
<tr>
<td>Late 2020</td>
<td>Launch of DATA2030</td>
<td>HP2020 Executive Summary</td>
</tr>
<tr>
<td>2021</td>
<td>Launch of HP2030 LHIs</td>
<td>HP2020 Final Review</td>
</tr>
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Healthy People 2030

- A Federal Register Notice went out for a set of core (355), developmental (80), and research objectives (25) between 11/27/2018 and 1/11/2019.
  - 1,732 comments on Core objectives (online)
  - 327 comments on Developmental and Research objectives (online)
  - 530 new objectives proposed (online)
Evidence Act & Statistical Agency Requirements

- Statistical agency officials: heads of statistical agencies or designated where there is no statistical agency. Statistical officials serve on ICSP
- Statistical agency heads have new responsibilities related to open data
- Codifies statistical agency responsibilities
- Presumption of accessibility of data for statistical agencies and units for purposes of developing evidence
- Expanded role for statistical agencies in access, privacy and confidentiality
- OMB to promulgate regulations and issue guidance in short time frame
Lisa Wagner
Outreach Lead Analyst, NCHS Office of Planning, Budget, and Legislation

- Will keep our partners, such as the Friends of NCHS, informed about upcoming reports
- Coming from the Office of Global Affairs at HHS where she is a Senior Global Officer
- Was a Presidential Management Fellow in the office of the Assistant Secretary for Financial Resources at HHS.
- Starts at NCHS on April 29th