

Board of Scientific Counselors Update from the NCHS Director

Brian C. Moyer, Ph.D., NCHS Director

January 27, 2021



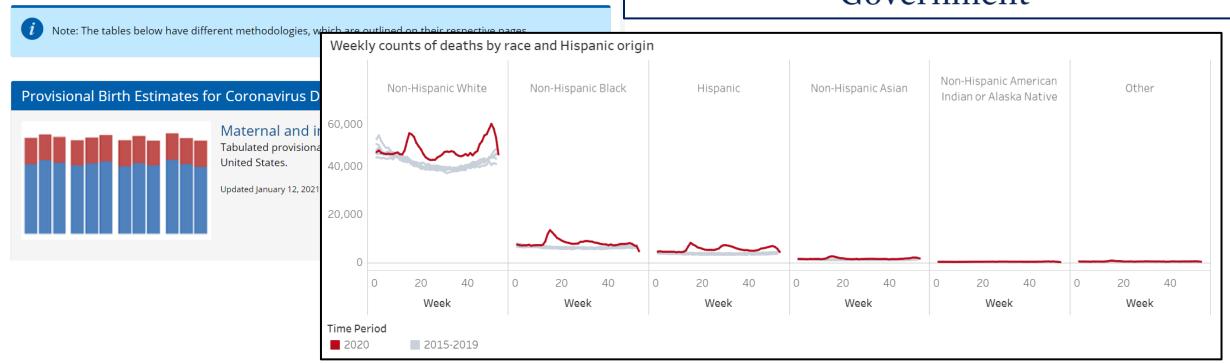
Recent Data on COVID-19

COVID-19 Birth Data and Resources

NCHS is responding to <u>Coronavirus Disease 2019 (COVID-19</u>) with new resources to help monitor COVID-19 infection during pregnancy and changes in health services utilization and maternal and infant outcomes.

Below please find information on characteristics of women with COVID-19 at any time during pregnancy, and their newborns for a limited number of states, monthly changes in selected national health services utilization and maternal and infant outcome measures among all births based on provisional 2020 birth data compared with the same month in 2018 and 2019, and guidance for states that are considering collecting maternal COVID-19 on the birth certificate.

Executive Order On Advancing Racial Equity and Support for Underserved Communities Through the Federal Government

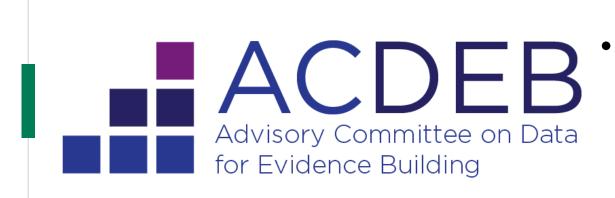


Recently Published Reports in Dec/Jan 2021

- Mortality in the United States, 2019
- Final Death Data for 2018
- Respiratory Illness
 Emergency Department
 Visits
- Drug Overdose Deaths in the United States, 1999 – 2019

Upcoming Reports in Feb 2021

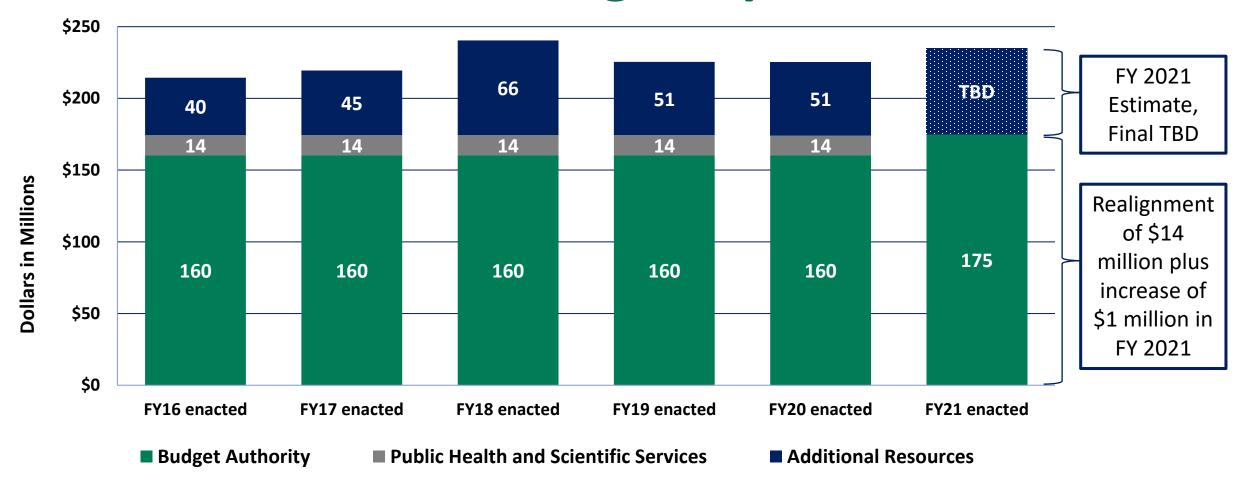
- Secondhand Smoke
 Exposure Among
 Nonsmoking Adults, 2015
 2018
- Multiple Chronic
 Conditions Among
 Veterans and
 Nonveterans, 2015 2018



 To make recommendations on issues of access to data, how to facilitate data sharing, data linkage, and privacy enhancing techniques.

- Capacity needs for secure data access and record linkage
- Areas for research and development on state-of-the-art data access and data protection methods
- How to protect privacy when using personally identifiable information or confidential business information in support of evidence building
- How to promote transparency and facilitate public engagement with the evidence building process
- Agency needs for data management and data stewardship services
- How to best facilitate the needs of researchers, evaluators, and other evidence builders through a national data service or similar approach

NCHS Budget Update



"Additional Resources" include reimbursables from CDC and other agencies.

New CDC Director: Dr. Rochelle Walensky

- Professor of Medicine at Harvard Medical School and a practicing Infectious Disease physician at Massachusetts General Hospital and Brigham and Women's Hospital
- Chair of the Office of AIDS Research Advisory Council (NIH) and a member of the HHS Panel on Antiretroviral Guidelines for Adults and Adolescents
- Research has focused on
 - model-based analyses of the cost-effectiveness of HIV testing, care, and prevention strategies
 - COVID infection prevention and control strategies
 - analyses of the impact of the pandemic on healthcare workers
 - recent co-author on JAMA article analyzing excess deaths



Data Modernization Initiative (DMI) Thematic Areas

Data Sharing Across the Public Health Ecosystem

 CDC Systems and Service Enhancements for Ongoing Data Modernization

 New Standards and Approaches for Public Health Reporting

CDC's DMI Roadmap of Activities and Expected Outcomes

COORDINATE PEOPLE AND SYSTEMS

ACCELERATE DATA FOR ACTION

SUPPORT STRATEGIC INNOVATION

ACTIVITIES

- · Create interoperable systems
- Coordinate investments, decisions, and policies
- Make data sharing easier
- Advance academic and private partnerships
- · Identify data for priority needs
- Upgrade and modernize IT
- Strengthen data science
- Adopt open standards and tools
- Translate data
- Seek partner-driven data solutions
- Develop next-generation tools
- Strengthen predictive analytics and forecasting

SHORT-TERM OUTCOMES

- Increased collaboration, communication, and messaging
- Reduced data collection and reporting burden
- Improved data sharing and interoperability
- Increased capacity to quickly analyze, interpret, and act on data
- Increased electronic reporting and enhancements
- Stronger workforce in data science, analytics, modeling, and informatics
- Targeted real-time communication of data and results
- Integration and use of data
- Improved pathways to next-generation technologies
- Quick, continued data analysis

INTERMEDIATE OUTCOMES

- Effective coordination on complex challenges
- Timely and complete data reporting to CDC
- Efficient, secure data access and exchange
- A more comprehensive picture to improve decision-making
- · Real-time, linked systems
- · A highly skilled workforce
- High-quality information and guidance
- Open-source technologies and coordinated systems
- New approaches to address present and future threats

LONG-TERM OUTCOMES



CDC can rapidly identify and effectively mitigate emerging threats



Trusted data promotes evidence-based behaviors, interventions, and solutions to protect health





Every American has equal opportunity to attain the highest level of health possible



All people have the right information at the right time to make decisions



Our country is better prepared for, and protected from, all types of public health threats

NCHS Theme 1 Activities: Data Sharing Across the Public Health Ecosystem

Modernize NVSS

- Fully support FHIR based bi-directional messaging
- Enhance existing data quality review tool
- Develop and enhance automated cause of death coding systems

Improve NVSS Data Quality and Consistency

 Develop consistent processes, standards, systems, and training for investigating, certifying, and reporting

NCHS Theme 2 Activities:

CDC Systems and Service Enhancements for Ongoing Data Modernization

- Facilitate data source identification
 - Improve ability of users to identify data sources
 - Develop enterprise-wide access tools to guide users to data
- Simplify access and use of microdata
 - Simplify and facilitate access to and use of microdata
 - Build a repository with standardized metadata on sources and uses, searchable catalogues, and linkages to external sources
 - Integrate and streamline access to NCHS' enterprise data assets
- Improve access to nonpublic data
 - Provide controlled access to data files that cannot be released broadly
 - Develop a new remote access mechanism