

NCHS Overview

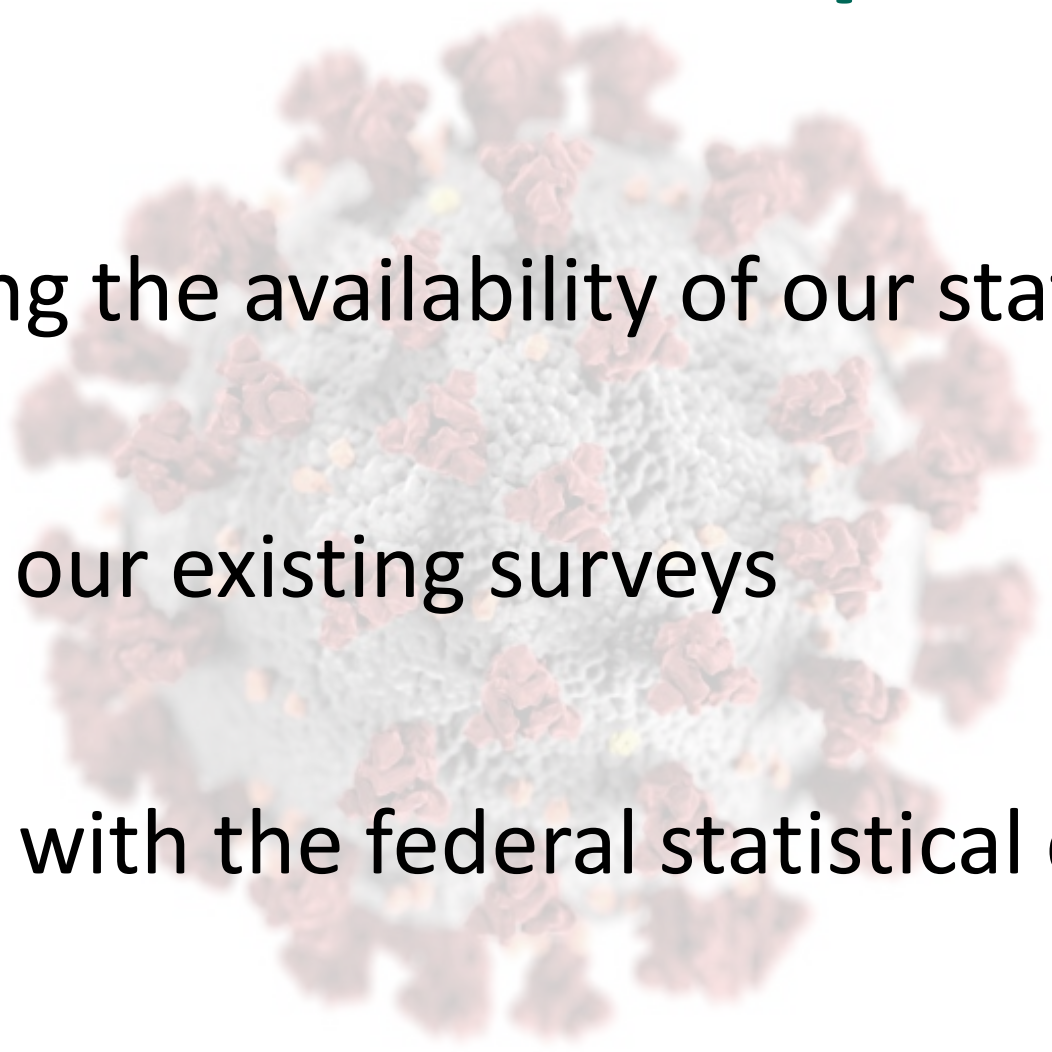
Brian C. Moyer, Director, National Center for Health Statistics (NCHS)

July 12, 2021

The COVID-19 Response

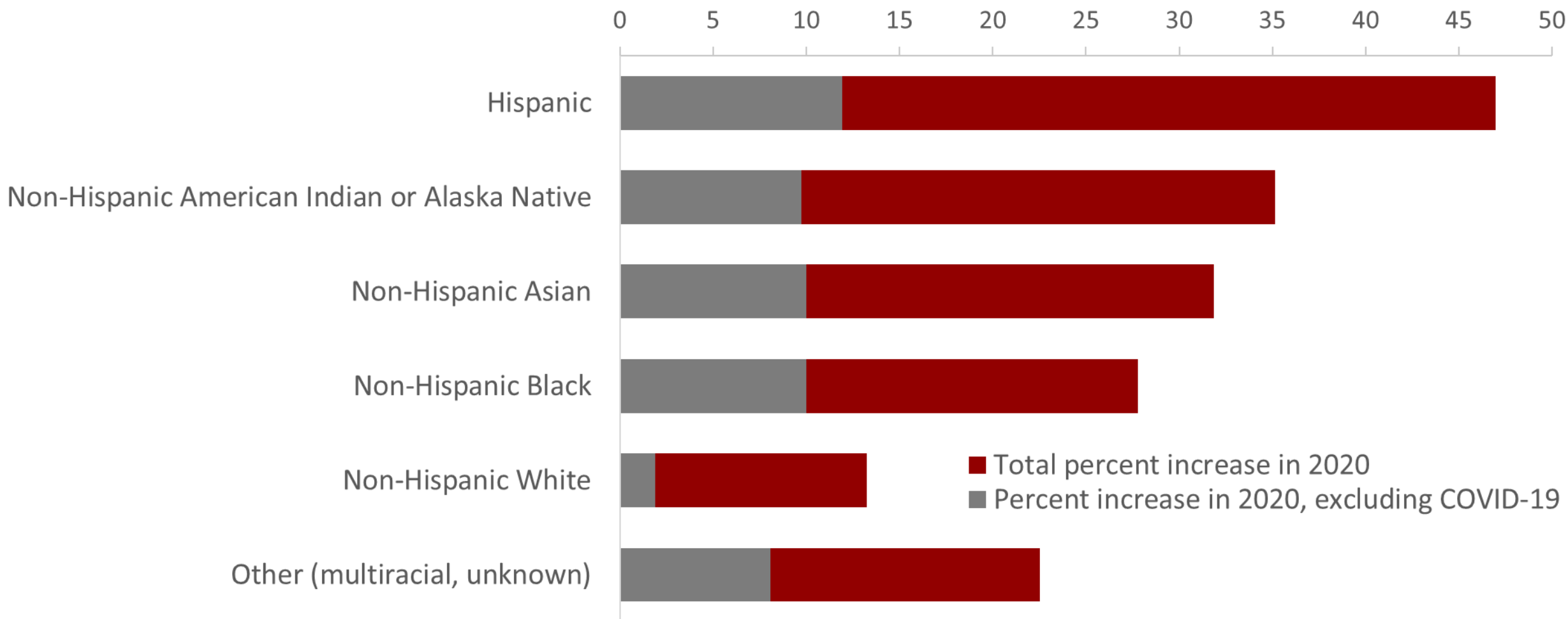
NCHS is ...

- Accelerating the availability of our statistics
- Expanding our existing surveys
- Partnering with the federal statistical community



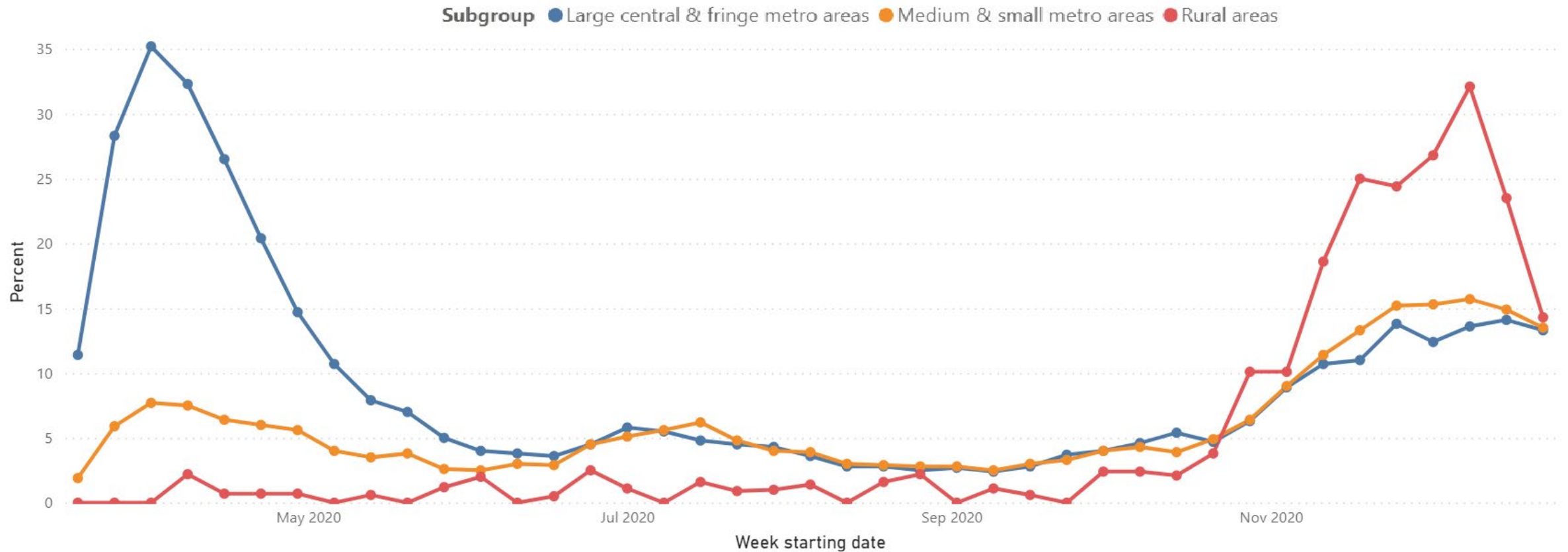
NCHS Mortality Data

Percent increase in total number of deaths in 2020 through June 19, 2021 vs. 2019, **all-cause** and excluding COVID-19



Newly Released Hospital Data Shows the Progression of COVID-19 from Urban to Rural Areas

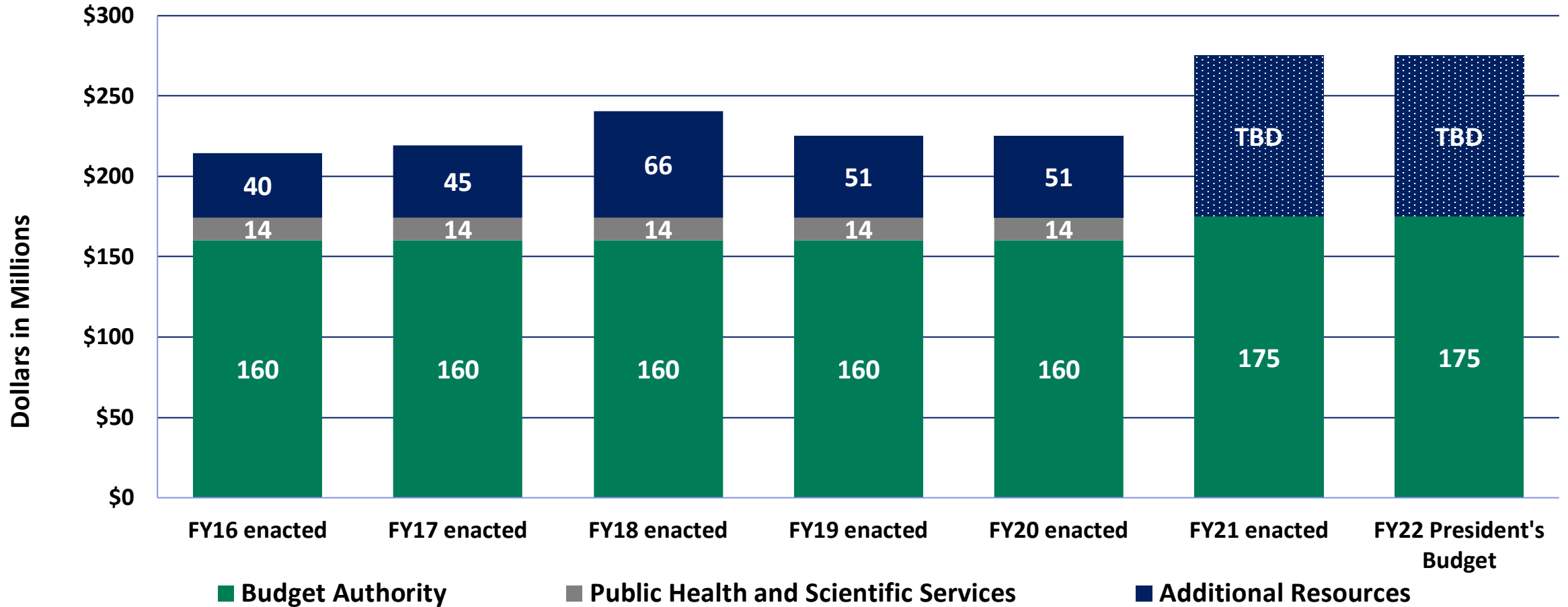
Inpatient Encounters with Confirmed COVID-19 by Urban-Rural Location and Week, From Select Hospitals



NCHS 2021-2024 Strategic Framework

Vision	<i>To be a world-class innovator and provider of health statistics.</i>			
Mission	<i>NCHS collects, analyzes, and disseminates timely, relevant, and accurate health statistics. Our statistics inform the public and guide program and policy decisions to improve our nation's health.</i>			
Strategic Goals	Amplify NCHS' relevance and external engagement	Expand NCHS' range of data sources and methods	Modernize NCHS' core data systems to reinforce speed and responsiveness	Build on NCHS' workforce and operational excellence
Objectives	<ul style="list-style-type: none"> ◆ Improve service by increasing understanding of users' needs ◆ Build and maintain strategic partnerships with public and private entities ◆ Improve awareness of, access to, and use of NCHS data ◆ Enhance contributions to health equity initiatives through data and partnerships 	<ul style="list-style-type: none"> ◆ Identify and incorporate new and non-traditional data sources ◆ Expand the use of data from electronic health records and data ◆ Improve sources and methods for modeling, projections, and other innovative analytic approaches ◆ Advance source and methods for understanding and addressing health equity 	<ul style="list-style-type: none"> ◆ Improve the performance of core surveys and data systems ◆ Advance innovation in surveys and data collection systems ◆ Expand how NCHS data systems inform health equity programs and policies 	<ul style="list-style-type: none"> ◆ Improve diversity and inclusion in staff and leadership ◆ Increase professional development activities and succession planning ◆ Improve technical competencies and leadership capacity of staff ◆ Improve internal communications and collaboration ◆ Improve speed and agility of operations
Core Values	Accuracy—Quality—Trust—Integrity—Objectivity			

NCHS Budget Update



“Additional Resources” include reimbursables from CDC and other agencies.

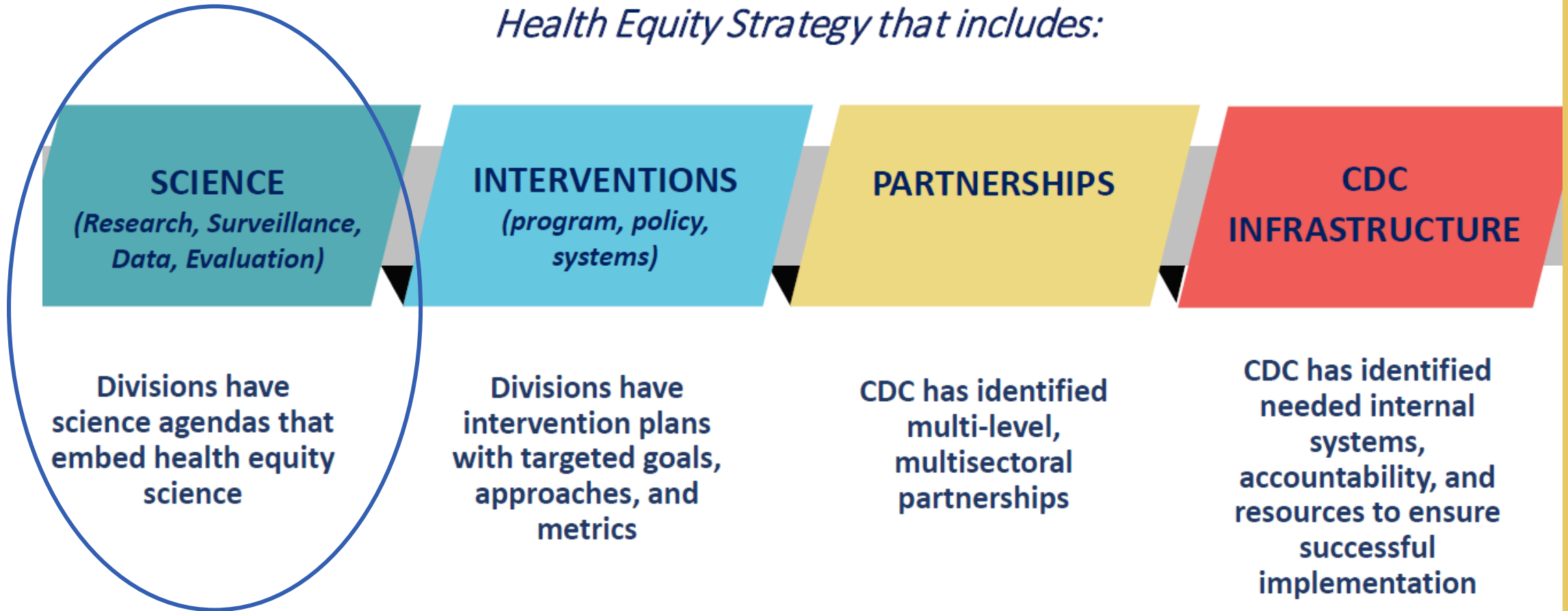
NCHS and Health Equity

Amy Branum, Associate Director for Science

National Center for Health Statistics



CDC has developed and initiated implementation of a comprehensive, agency-wide Health Equity Strategy that includes:



Current Health Equity Science Activities

Core data collections

- High-quality, standardized race/ethnicity data for most data systems
- Inclusion of several sociodemographic, socioeconomic, and geographic indicators
- Expertise in data collection methods

Data linkage

- Long-standing methodologic expertise
- Produced ~100 data NCHS survey files linked with important contextual data from CMS, NDI, SSA, and HUD
- Allowed for many analyses geared at answering important policy questions

Cognitive testing

- Unique resource within NCHS
- Testing of hundreds of questions related to disparities and equity

Analysis and dissemination of data

HP methodologic work

- More recent focus on highlighting and measuring disparities

COVID-19 disparity data

- All of our COVID-19 data dissemination provides breakouts by demographic indicators and have continued to expand
- COVID-19 mortality data now available according to Social Vulnerability Index

Future Health Equity science activities

Core data collections

- Include new questions related to health equity
- Additional methodologic work around validation of race/ethnicity data in vital statistics, healthcare data

Data linkage

- Increase accessibility of data
- New methods around privacy protections (e.g., PPRL, synthetic data)

Cognitive testing

- Targeted testing of new questions around perceived discrimination or stigmatization

Analysis and dissemination of data

- Enhance traditional survey data with model-based estimates to produce statistics for smaller geographic areas and demographic groups
- More within-subgroup analyses, analyses with more granularity

Other Activities

Reconstitution of NCHS Health Equity Interest Group (September, 2021)

NCHS Diversity Committee Health Equity Research Day (July, 2021)

DMI projects

Various HHS and CDC subcommittees

NCHS and Data Modernization

Jim Craver, Senior Advisor

National Center for Health Statistics



WHAT IS THE DATA MODERNIZATION INITIATIVE?

CDC is at the heart of a national effort to create a **modern, integrated, and real-time public health data and surveillance infrastructure** that can protect us from any health threat.

DMI is resourced and comprehensive, and it unifies us in ways no other strategy has before.



DMI
@ CDC
—

BENEFITS TO PUBLIC HEALTH



EMPOWER SCIENTISTS
Focus on Knowledge Discovery
and Public Health



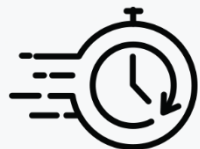
ENCOURAGE INNOVATION
Enhance Productivity and Creativity



GET BETTER DATA
Access to Complete, Accurate,
and Up-to-Date Information



PROMOTE COLLABORATION
Ensure Alignment & Enhance
Productivity



SAVE TIME Faster and More
Streamlined IT Development and
Implementation



ENSURE SUSTAINABILITY
Maximize Value and Flexibility

Strengthening the Core of Public Health



SYNDROMIC SURVEILLANCE

Continuous monitoring of emergency room visits to detect potential outbreaks

Increasing the number of connected emergency departments and the use of syndromic and disease surveillance data by public health partners

ELECTRONIC CASE REPORTING

Real-time, secure, automated reporting from electronic health records to public health

Expanding use, building more connectivity to electronic health records, and improving the completeness of data used for case investigation and contact tracing

NOTIFIABLE DISEASES

Reduced burden on states for reporting notifiable diseases to CDC

Enhancing surveillance capabilities by improving data collection, sharing, and analysis across the entire public health community

ELECTRONIC LABORATORY REPORTING

Automated reporting of laboratory test results as soon as they are available

Accelerating adoption through collaboration among clinical laboratories, vendors, and public health agencies

VITAL RECORDS

Real-time reporting of death data from multiple sources

Expanding broad-scale use of electronic vital record systems and making the data interoperable with electronic health records and medical examiner/coroner information



- **Data Sourcing and Production Improvements**
 - NVSS Modernization
 - Electronic Health Records
 - NHIS Pilot Projects
 - Model-Based Estimates
 - Linkage



- **Data Access Improvements**
 - Data Query System
 - Website Redesign
 - Data Science Activities
 - Virtual Data Enclave

Questions and Discussion

