

Welcome to the New Health Officials



Welcome to the New State Health Officials



Bruce Bates, DO
*Maine Center for Disease
Control and Prevention*



Kristina Box, MD, FACOG
*Indiana State
Department of Health*



Shereef Elnahal, MD, MBA
*New Jersey Department of
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*Alabama Department
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Alexia Harrist, MD, PhD
*Wyoming Department of
Health*



Lance Himes
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Welcome to the New State Health Officials



Sheila Hogan
*Montana Department of Public
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Jeffrey D. Howard, JR, MD
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Lilian Peake, MD, MPH
*South Carolina Department of
Health and Environmental Control*



Randall W. Williams, MD, FACOG
*Missouri Department of Health
and Senior Services*

Welcome to the New Local Health Officials



Rachel Banks, MPA
*Multnomah County Health
Department*



Virginia A. Caine, MD
*Marion County Public Health
Department*



Muntu Davis, MD, MPH
*Alameda County Public Health
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*Mecklenburg County Health
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Philip Huang, MD, MPH
*Austin Public Health
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Joneigh S. Khaldun, MD, MPH, FACEP
Detroit Health Department



Mysheika W. Roberts, MD, MPH
Columbus Public Health



Centers for Disease Control and Prevention and Center for State, Tribal, Local and Territorial Support (*proposed*) Overview

José T. Montero, MD, MHCDS

Director, Center for State, Tribal, Local and Territorial Support
Centers for Disease Control and Prevention

CDC: Who We Are, What We Do, How We Support You

CDC: The Nation's Health Protection Agency

- Founded in 1946
- Part of US Department of Health and Human Services
- Headquartered in Atlanta
- 12,000+ full-time employees
 - 60% with advanced degrees





Communications / Guidance



Epidemiology / Surveillance



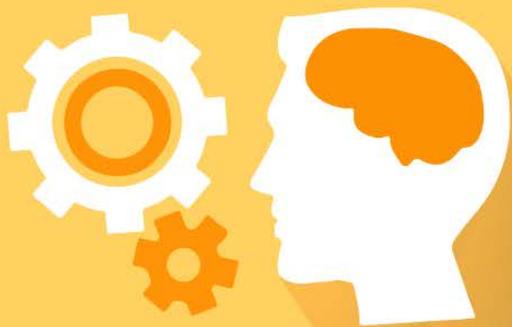
Global Health

PREVENT

DETECT

RESPOND

Innovation

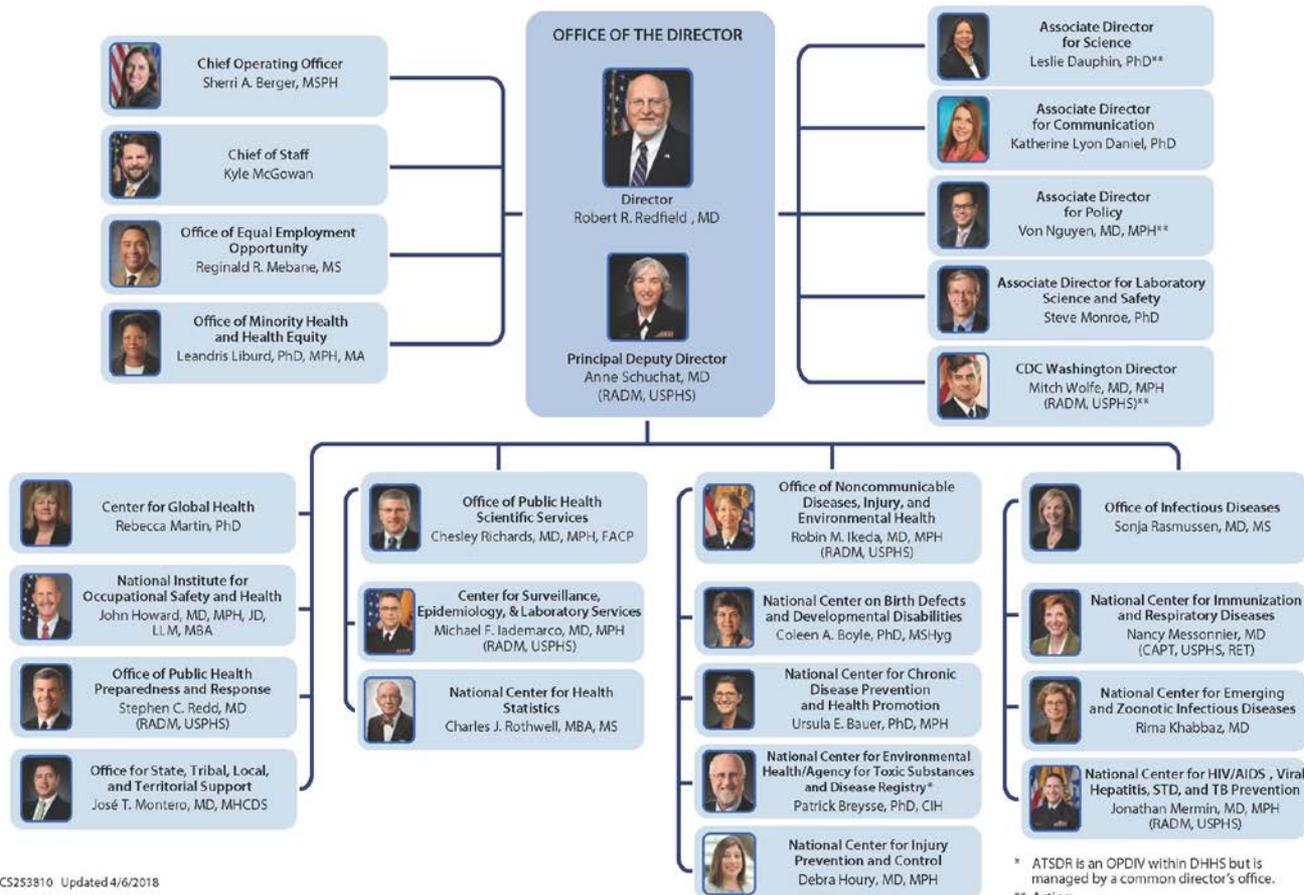


Laboratory / Diagnostics



State / Local Health

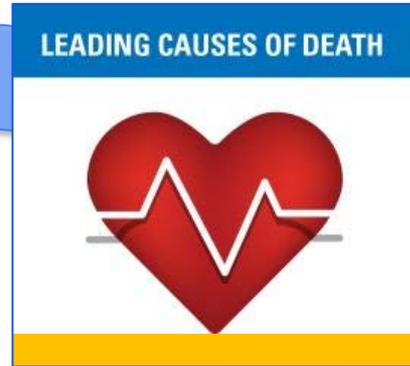




CDC Highlights

CDC Strategic Directions

Improve health security at home and around the world



Better prevent the leading causes of illness, injury, disability, and death



Strengthen public health/health care collaboration

Strategic Direction #1: *Improve Health Security at Home and Around the World*

- CDC's expertise in preparedness, rapid detection, and response saves lives and safeguards communities from health threats.
- Employing faster, more advanced ways to find, stop, and prevent infectious disease outbreaks here and abroad.
 - Increase access to high-quality laboratory testing, including the use of advanced molecular detection technologies
 - Enhance global health security by building and sustaining capacity to detect and respond to disease threats such as polio, influenza, Ebola, Middle East Respiratory Syndrome (MERS), and insect-borne threats, such as Zika
 - Enhance state and local abilities to prevent, detect, and respond to health threats



A Health Threat Anywhere Is a Health Threat Everywhere

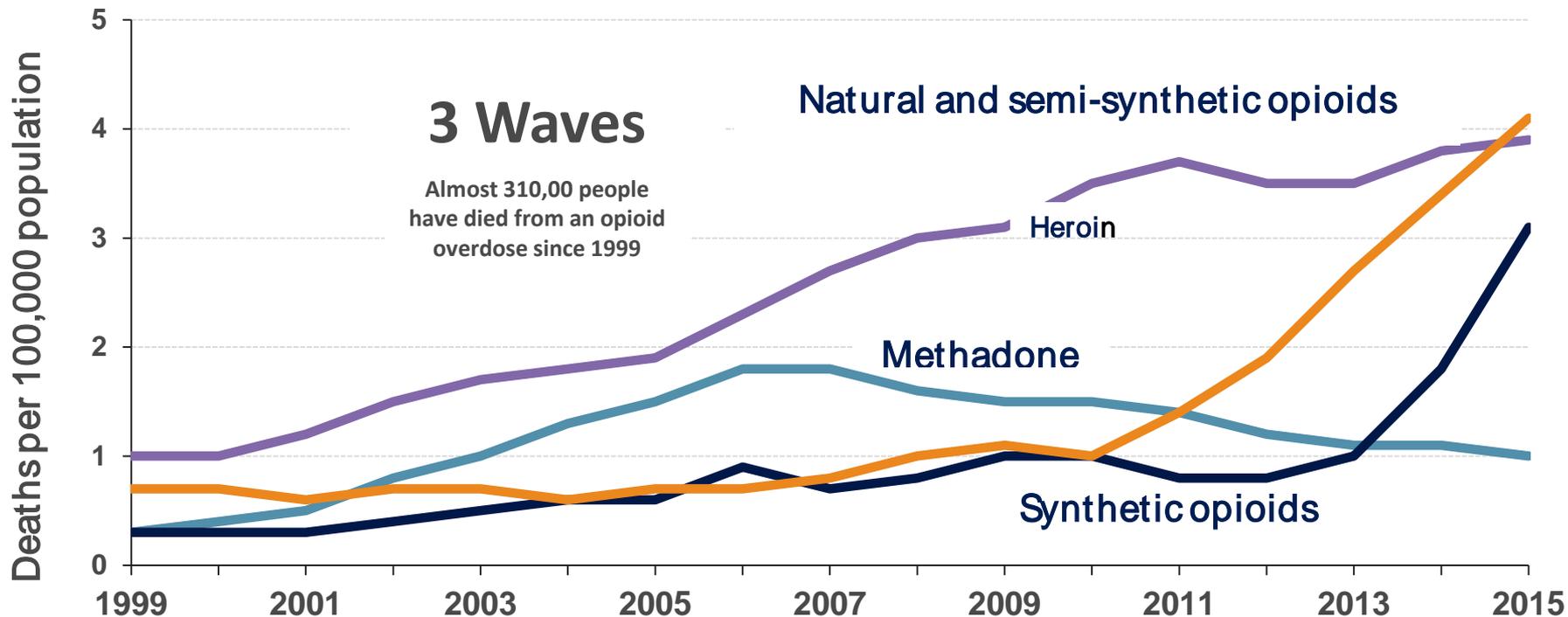


Source: Kilpatrick & Randolph. *Lancet* 2012;380:1946–1955.

Note: Air traffic to most places in Africa, regions of South America, and parts of central Asia is low. If travel increases in these regions, additional introductions of vector-borne pathogens are probable.

Rise In Opioid Deaths

Overlapping, Entangled but Distinct Epidemic



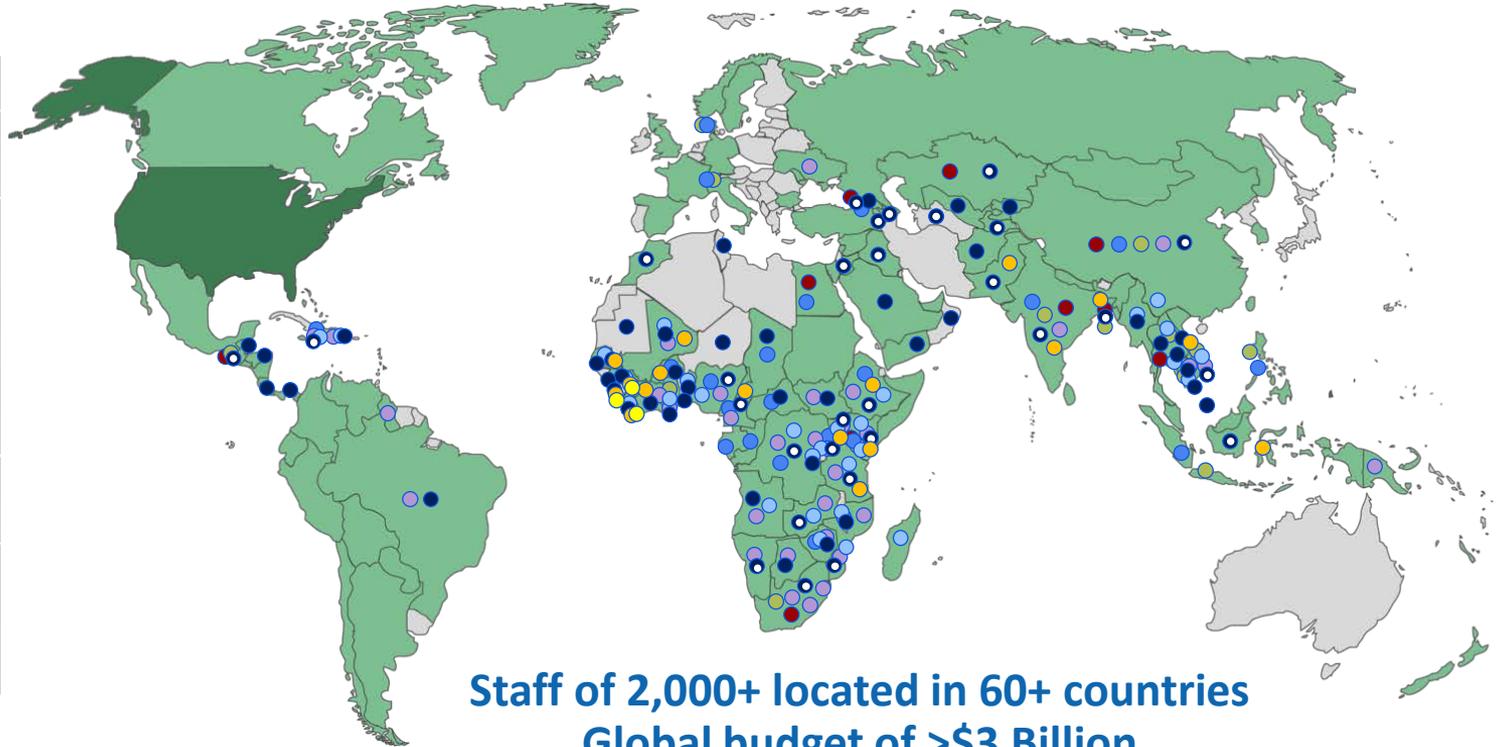
CDC Public Health Responses

2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Marburg Virus;	Mumps;	XDR/MDR TB;	Satellite Intercept;	Salmonella typhimurium Outbreak;	NH Anthrax;	Japan Earthquake and Tsunami;	Polio;	Avian Influenza H7N9 Response;	MERS-CoV;	DoD Sample Investigation;	Ebola Response;	Zika Virus Response;
Hurricanes: Katrina, Rita, and Wilma	Tropical Storm Ernesto;	Hurricane Dean	Salmonella and E.Coli Outbreaks;	H1N1 Influenza;	Haiti Earthquake;	Hurricane Irene;	Multistate Meningitis Outbreak;	Middle East Respiratory Syndrome Coronavirus (MERS-CoV);	Un-Accompanied;	Ebola Response;	Zika Virus Response	Polio
	E. Coli Spinach/ Botulism Carrot Juice;		Hurricanes: Dolly, Gustav, Hanna, and Ike, Tropical Storm Edouard	Biowatch;	Deepwater Horizon Oil Spill;	Polio Eradication Response (Polio)		Multistate Cyclospora Outbreak;	Ebola Response;	Polio	Flint, Michigan Water Contamination Response;	
	E. coli;			Operation Earthquake;	Haiti Cholera Outbreak			Polio	Polio		Polio	
	Rhode Island Mycoplasma			Presidential Inauguration								



U.S. Department of Health and Human Services
Centers for Disease Control and Prevention

CDC Doctors, Nurses, and Disease Control Experts Work Around the World to Keep Americans Safe



Staff of 2,000+ located in 60+ countries
Global budget of >\$3 Billion

As of April 2016

Strategic Direction #2: *Better Prevent the Leading Causes of Illness, Injury, Disability, and Death*

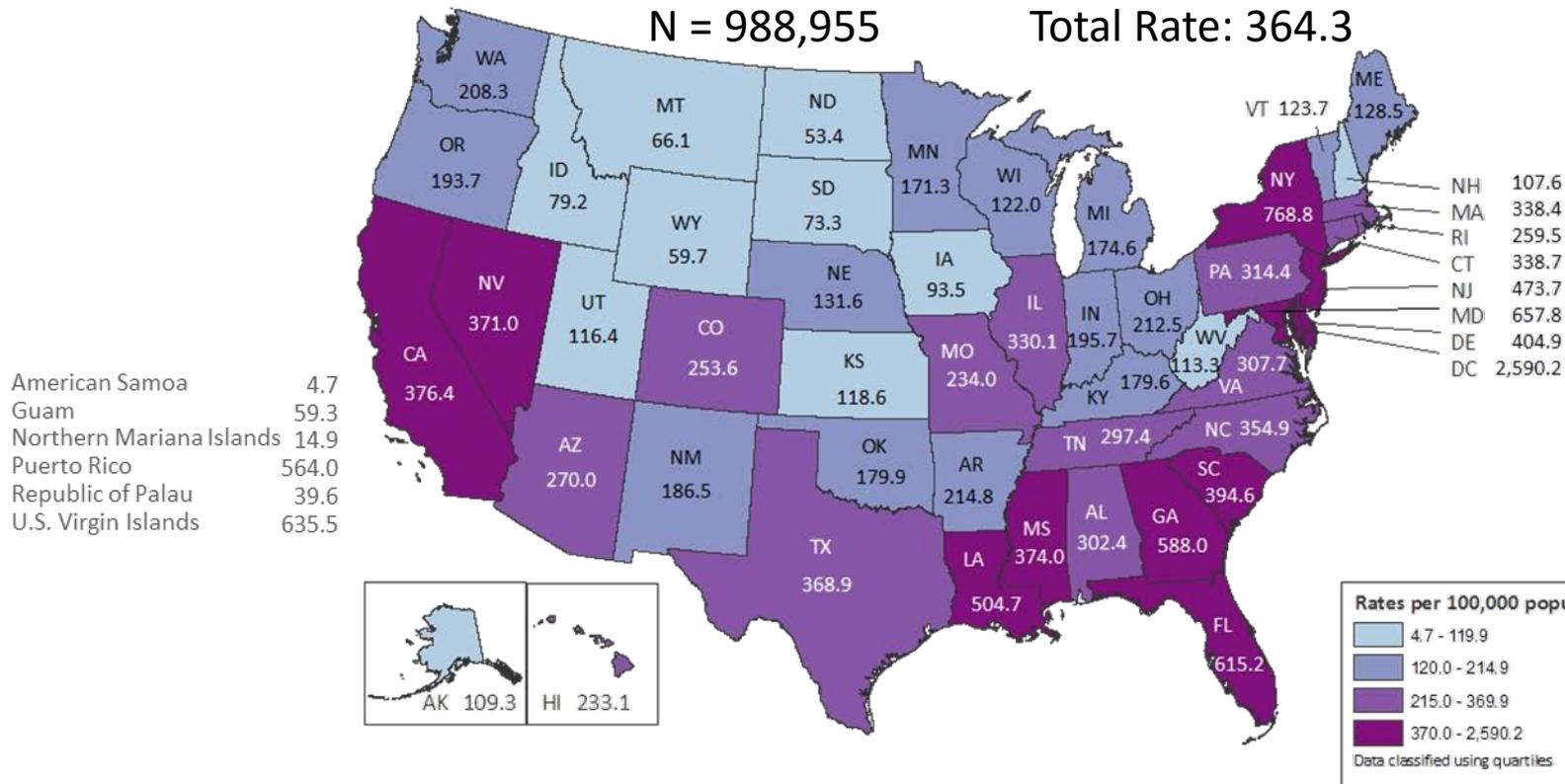
- Top 10 leading causes of death account for nearly 75% of all deaths in the United States, cardiovascular disease, stroke, and cancer accounting for more than half of all deaths and more than \$472 billion in healthcare costs
 - Provide timely, quality data on priority health and healthcare issues at the national, state, and local levels to better monitor and improve the health of Americans
 - Work with communities to prevent injury, disease, and disability
 - Support doctors, nurse practitioners, nurses, pharmacists, and other health professionals by increasing workforce capacity at the state and local levels.



Rates of Adults and Adolescents Living with Diagnosed HIV Infection, by Area of Residence, Year-end 2015 — United States and 6 Dependent Areas

N = 988,955

Total Rate: 364.3



Many People have HIV for Years Before they Know it

In 2015, nearly **40,000** people in the US received an HIV diagnosis

1 in 2 had been living with HIV 3 years or more

1 in 4 had been living with HIV 7 years or more

1 in 5 already had the most advanced stage of HIV (AIDS)

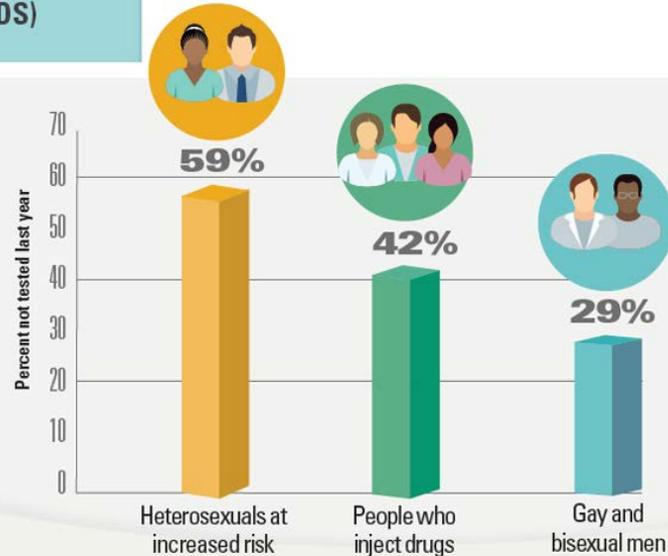


MISSED Opportunities

7 in 10 people at high risk who weren't tested for HIV in the past year saw a healthcare provider during that time.

More than **75%** of them weren't offered a test.

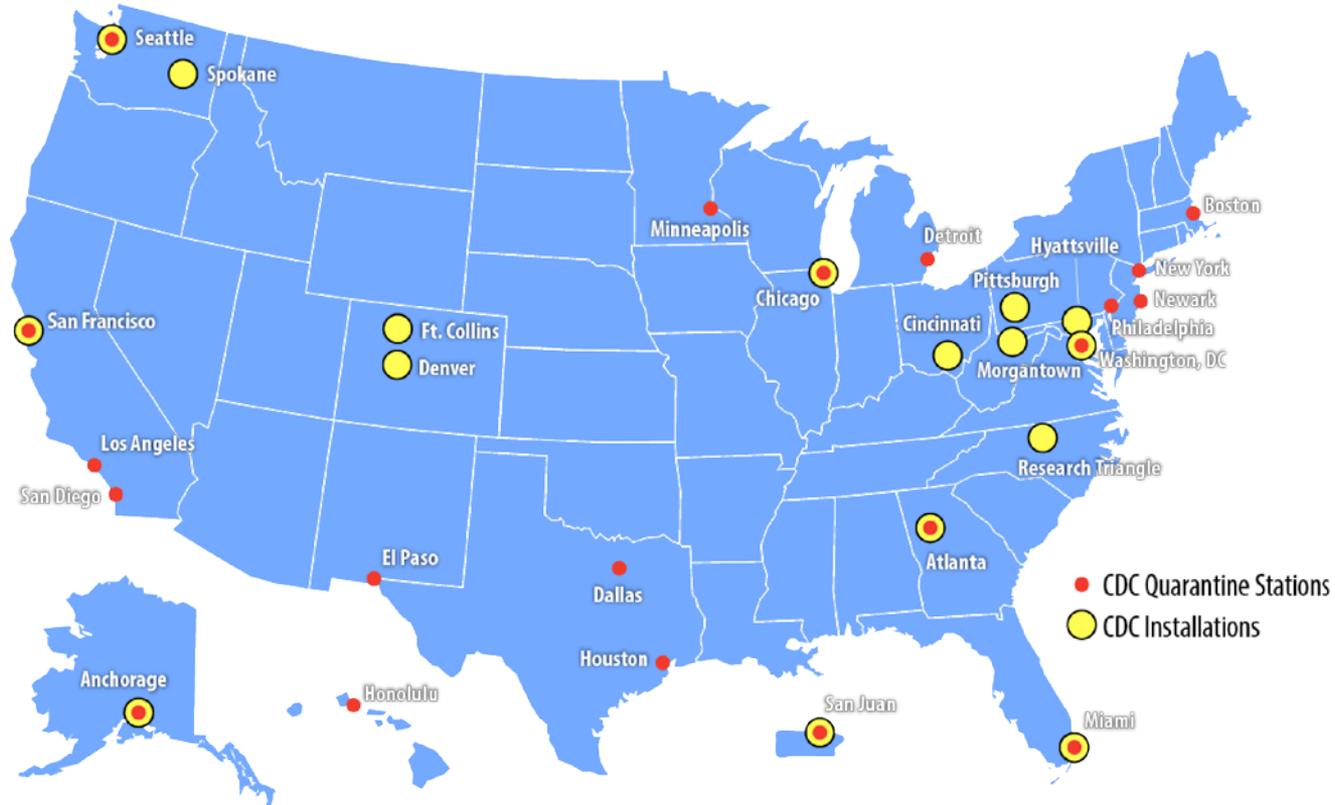
Half of heterosexual men with HIV got a diagnosis **5 years** or more after they got the virus—later than any other group.



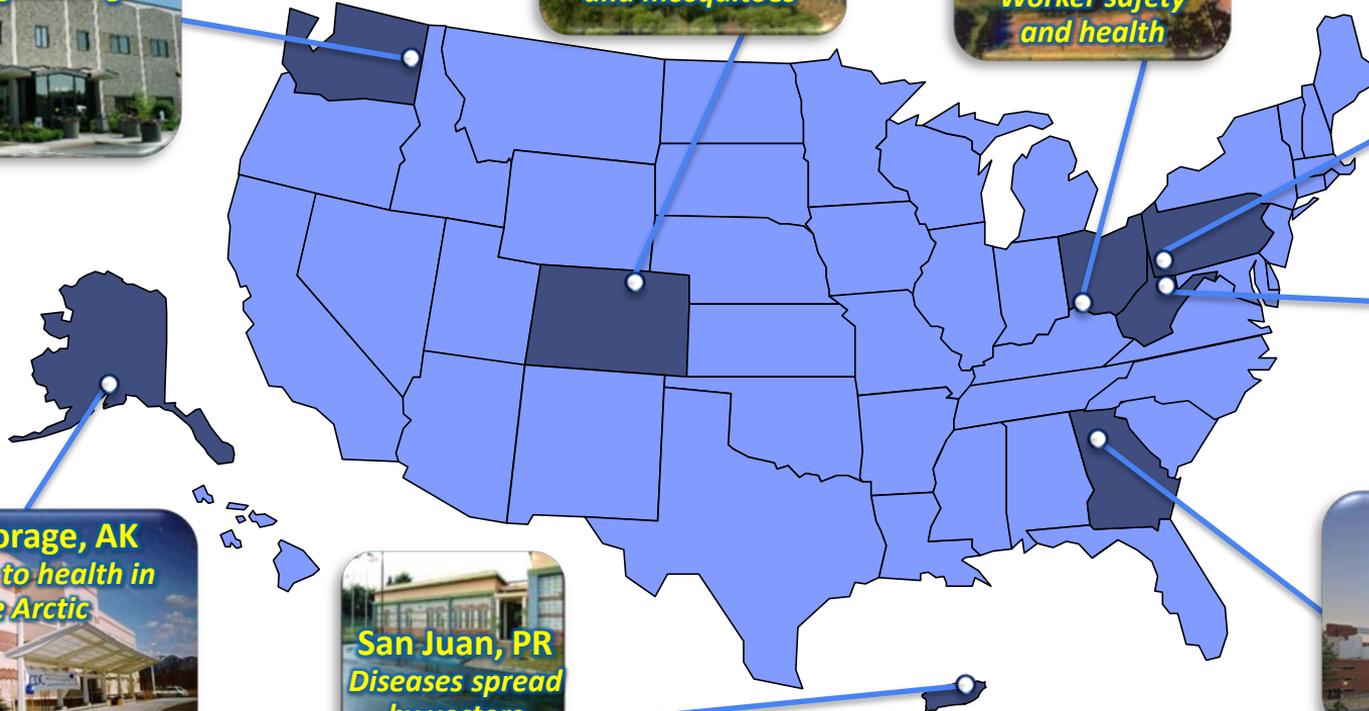
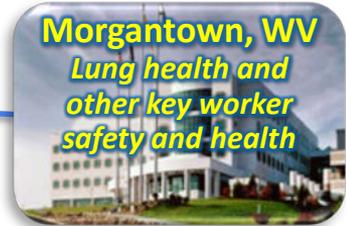
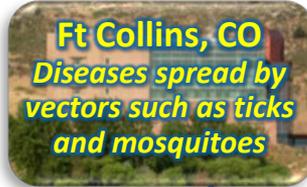
Many people at high risk* for HIV aren't getting tested every year

*People at high risk for HIV include: 1) sexually active gay and bisexual men, 2) people who inject drugs, and 3) heterosexuals who have sex with someone who is at risk for or has HIV.

CDC Has Research, Detection, and Response Units Around the Country

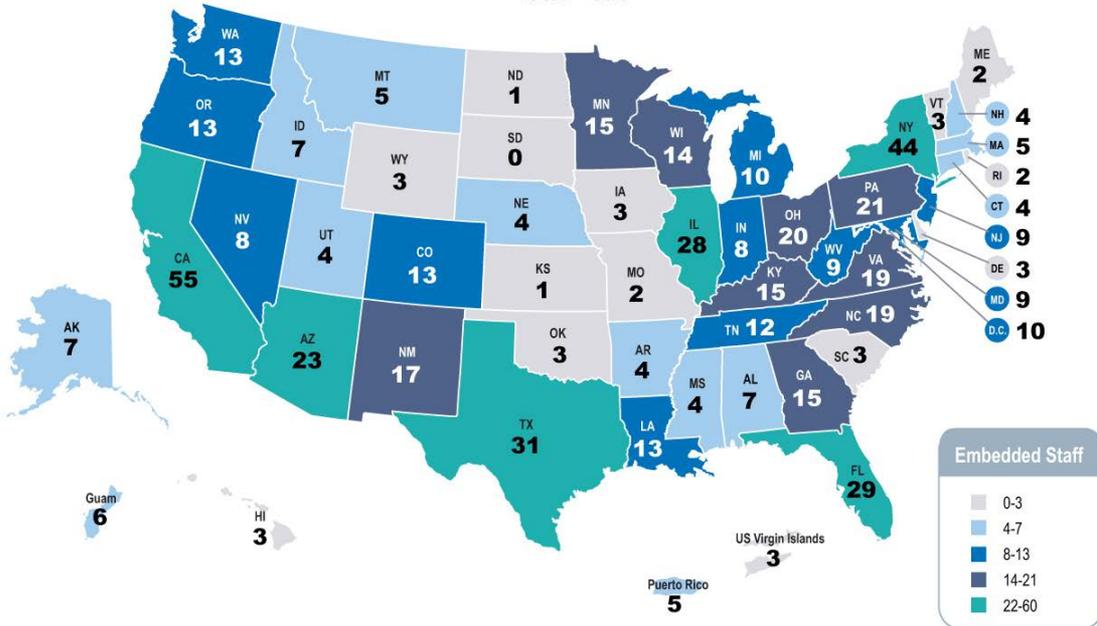


CDC Laboratories Do Cutting Edge Science to Keep Americans Safe from Threats



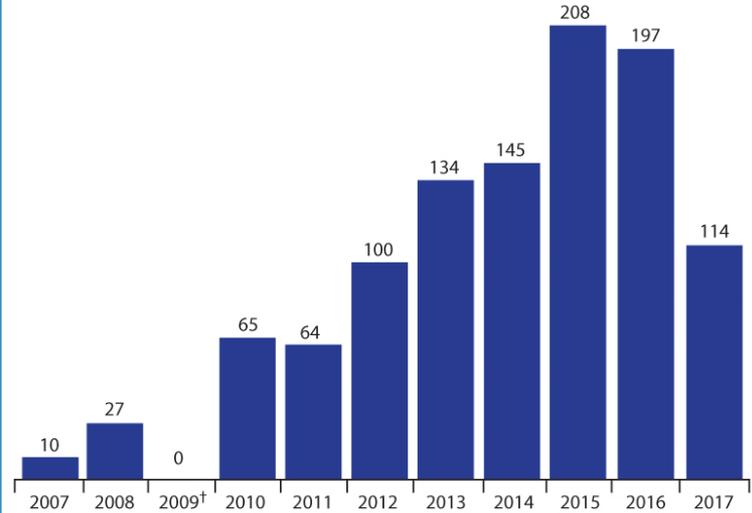
CDC Supports Real-time Response Throughout the United States

CDC Embedded* Field Staff
Assignment Locations — January 15, 2018**
Total = 590



Number of Public Health Associates Hired

2007-2017*



* Reflects data as of March 2018

† No funding for new associates in 2009

*Embedded staff are assigned to state, tribal, local and territorial health departments and American Indian and Alaska Native equivalents

**These numbers reflect data from January 15, 2018. The number of embedded staff can change daily.

NOTE: Data Source is the Enterprise Reporting System (ERS) Staffing List. OSTLTS prepares the report.

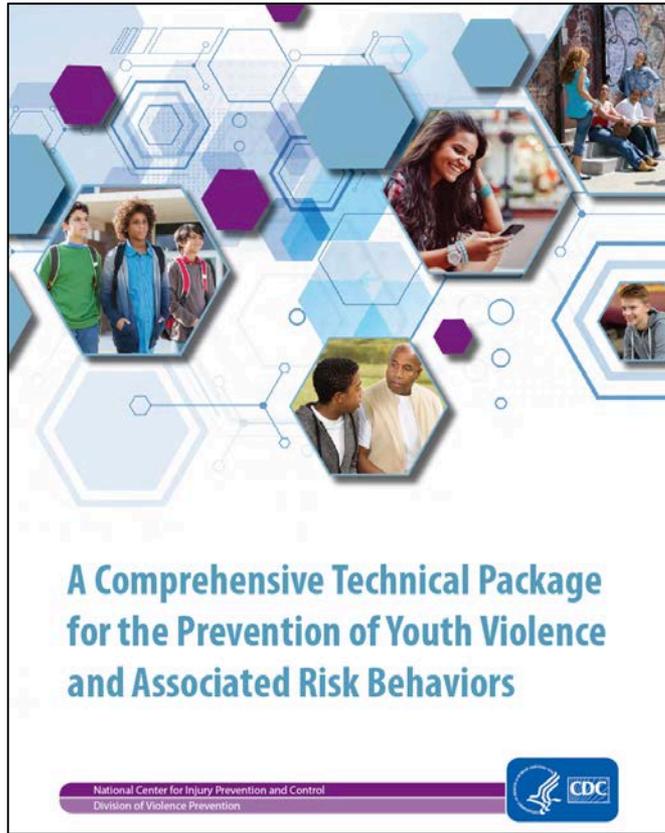
Strategic Direction #3: *Strengthen Public Health and Health Care Collaboration*

- We have a unique opportunity to increase the value of our nation's health investments by better aligning public health and health care.
 - Leverage partnerships with clinicians and healthcare organizations to decrease healthcare-associated and antibiotic-resistant infections and prevent prescription drug overdoses
 - Increase ability of public health and healthcare systems to reduce disease threats and improve health by increasing prevention through the use of community, clinical, and laboratory services
 - Use emerging data sources, existing surveys, and innovative information delivery to inform clinical care systems to improve population health



Technical Packages Facilitate Coordinated Action

December 2016



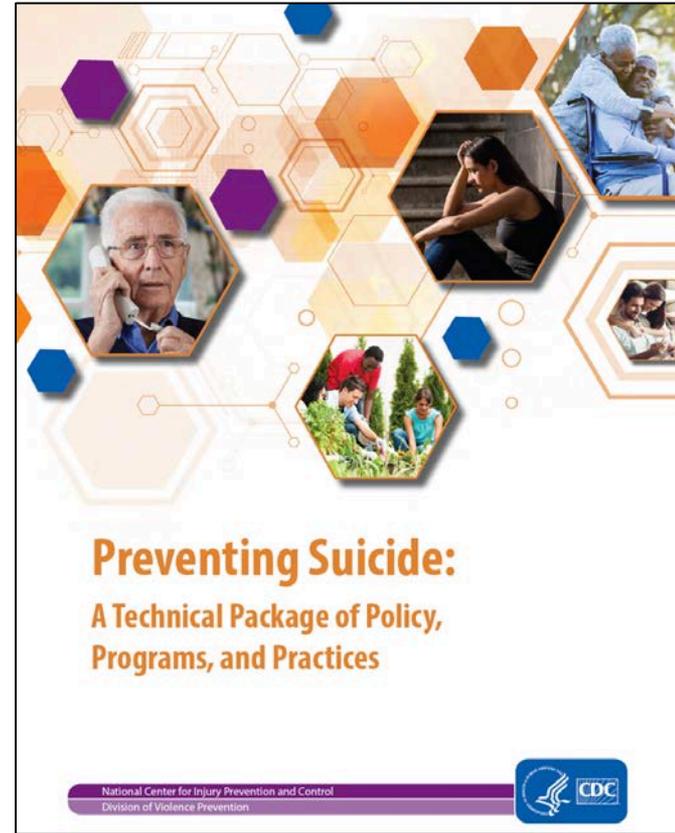
The cover features a light blue background with a network of hexagonal shapes in various shades of blue and purple. Several hexagons contain photographs: a group of three young boys, a woman smiling while looking at her phone, a young boy, and a man and woman talking. The title is in a bold, blue, sans-serif font.

**A Comprehensive Technical Package
for the Prevention of Youth Violence
and Associated Risk Behaviors**

National Center for Injury Prevention and Control
Division of Violence Prevention



February 2017



The cover features a light orange background with a network of hexagonal shapes in various shades of orange, yellow, and purple. Several hexagons contain photographs: an elderly man on a phone, a woman sitting on steps, a man and woman talking, and a group of people working in a garden. The title is in a bold, orange, sans-serif font.

**Preventing Suicide:
A Technical Package of Policy,
Programs, and Practices**

National Center for Injury Prevention and Control
Division of Violence Prevention



Estimated annual HIV infections in the U.S. declined **18%** from 2008-2014

56%
decline

among
**people who
inject drugs**

36%
decline

among
heterosexuals

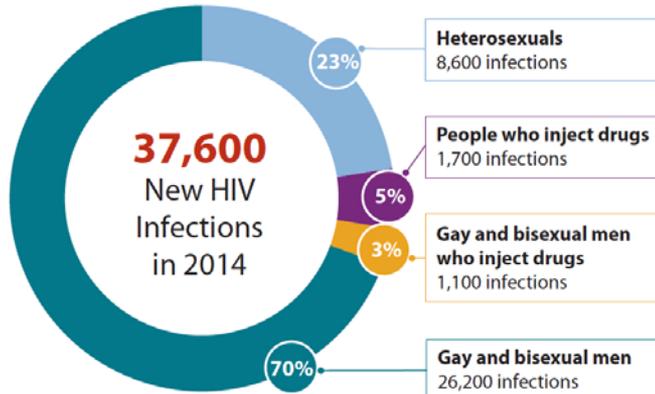
26%
decline

among **gay and
bisexual men
aged 35-44 years**

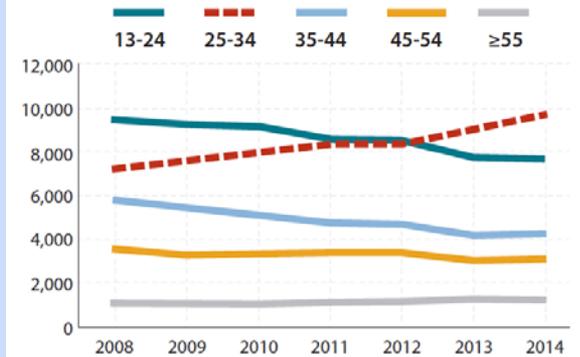
18%
decline

among **gay and
bisexual men
aged 13-24 years**

Gay and bisexual men remain most affected

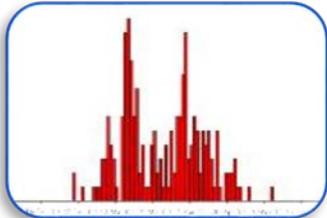


Annual HIV infections are falling among gay and bisexual men aged 13-24, but rising among those aged 25-34 years



Source: Unpublished NCHHSTP Surveillance Data, released at the Conference on Retroviruses and Opportunistic Infections, Feb 14, 2017, Seattle.

Advanced Molecular Detection Combines Cutting-Edge Approaches



Traditional epidemiology

+



Genomic sequencing

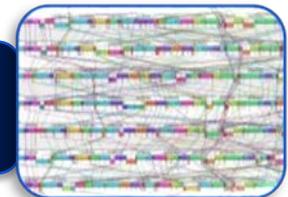
+



Bioinformatics

=

Advanced molecular detection



Progress on CDC Winnable Battles



Tobacco



Nutrition, Physical Activity, Obesity, and Food Safety



Healthcare-Associated Infections



Motor Vehicle Injuries



Teen Pregnancy



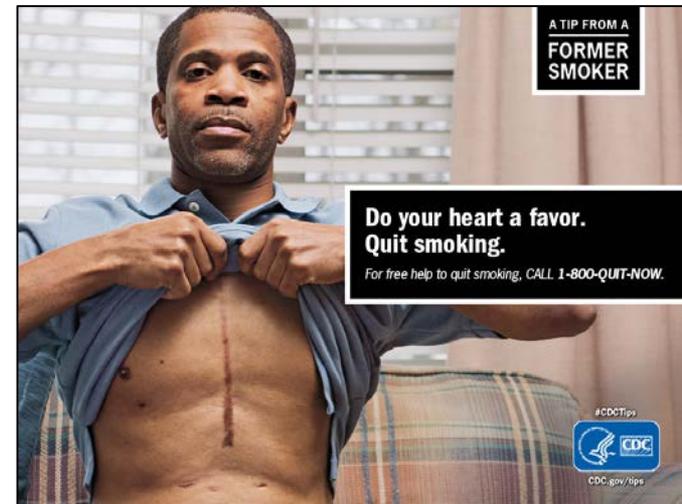
HIV



Tips from Former Smokers

5 years of success in reducing smoking

- New campaign for 2017 now running through end of May
 - TV, radio, and billboard ads in 5 languages (English, Spanish, Chinese, Vietnamese, Korean)
- More than 5 million smokers made quit attempts because of the *Tips* campaigns, and at least 500,000 have quit for good
- *Tips* is cost-effective and a best buy for public health – for every \$2,000 we spend on ads, we prevent a death



Putting Pieces Together for Public Health Impact

November 2016

CDC WINNABLE BATTLES FINAL REPORT



JAMA[®]

Mar 7, 2017

Opinion

VIEWPOINT

Improving the Health of the United States With a “Winnable Battles” Initiative

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Kathleen Ethier, PhD
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Anne Schuchat, MD
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and Prevention,
Atlanta, Georgia.

In 2010, the US Centers for Disease Control and Prevention (CDC) identified 6 focus areas termed *Winnable Battles*, in which concerted effort could lead to substantial health improvement in a short time.¹ Teams selected a limited set of strategies that could enable rapid progress, established ambitious targets, aligned efforts within the CDC, and worked with federal and other partners to leverage each entity’s capacity.

Principles and Selection

Each of the 6 selected focus areas represented a leading cause of illness, injury, disability, death or presented large societal costs. For each problem, proven, effective, scalable, but underused interventions were identified. Measurable improvement could be achieved with increased implementation, but was unlikely to occur without intensified effort. Results could be achieved in less than 5 years.

laxis to help prevent HIV in people not yet infected but at substantial risk of infection.

Media Engagement

The Tips from Former Smokers campaign used real stories of US adults harmed by tobacco and encouraged an estimated 400 000 people to quit smoking between 2012 and 2016. Focus areas benefited from media generated by the monthly release of *Vital Signs*, which linked data releases from the *Morbidity and Mortality Weekly Report* with specific action steps for federal agencies, state and local health departments, health care professionals, and the public.

Partnerships With Agencies and Organizations

As part of the nutrition, physical activity, obesity, and food safety focus area, the CDC worked with the US Depart-

SIX WAYS TO SPEND SMARTER FOR HEALTHIER PEOPLE



**REDUCE
TOBACCO USE**



**CONTROL
BLOOD PRESSURE**



**PREVENT HEALTHCARE-
ASSOCIATED INFECTIONS (HAI)**



CONTROL ASTHMA



**PREVENT UNINTENDED
PREGNANCY**



**CONTROL AND
PREVENT DIABETES**

Examples of 6 | 18 Interventions

Bucket 1 Examples: In clinical setting

Improve access to medications (e.g., via elimination of cost sharing)

Expand access to comprehensive tobacco cessation treatment

Remove barriers to use of long-acting reversible contraceptives

Bucket 2 Examples: Outside of clinical setting

Self-measured home blood pressure monitoring

Diabetes Prevention Program

Home visits for asthma care to reduce home triggers

- School-Based Programs to Increase Physical Activity
- School-Based Violence Prevention
- Safe Routes to School
- Motorcycle Injury Prevention
- Tobacco Control Interventions
- Access to Clean Syringes
- Pricing Strategies for Alcohol Products
- Multi-Component Worksite Obesity Prevention

Counseling
and Education

Clinical Interventions

Long Lasting
Protective Interventions



Changing the Context

Making the healthy choice the easy choice

- Early Childhood Education
- Clean Diesel Bus Fleets
- Public Transportation System
- Home Improvement Loans and Grants
- Earned Income Tax Credits
- Water Fluoridation



Social Determinants of Health

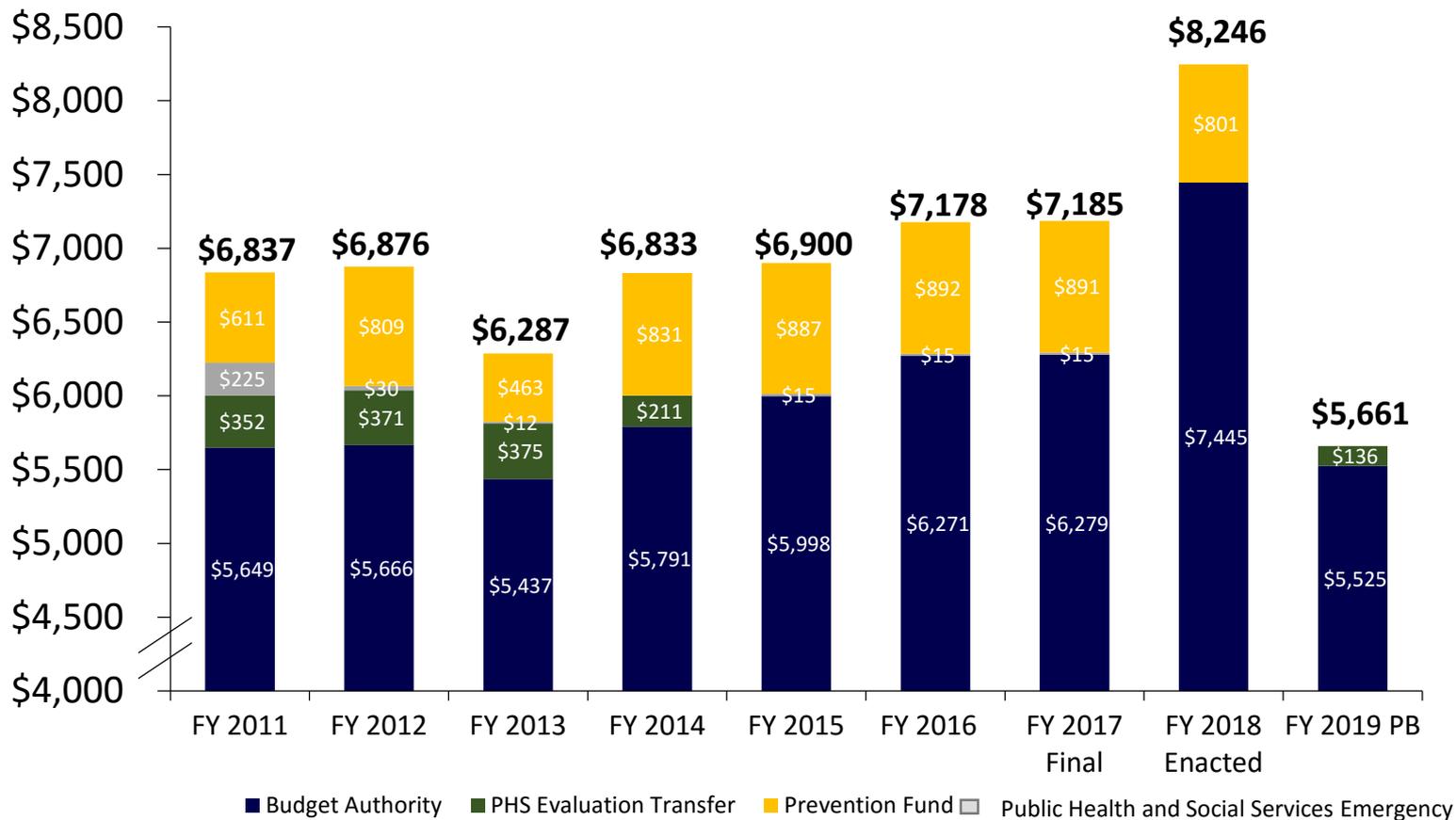
HI-5



HEALTH **IMPACT** IN 5 YEARS

CDC Program Level FY 2011-2019

(dollars in millions)



Center for State, Tribal, Local, and Territorial Support *(proposed)*



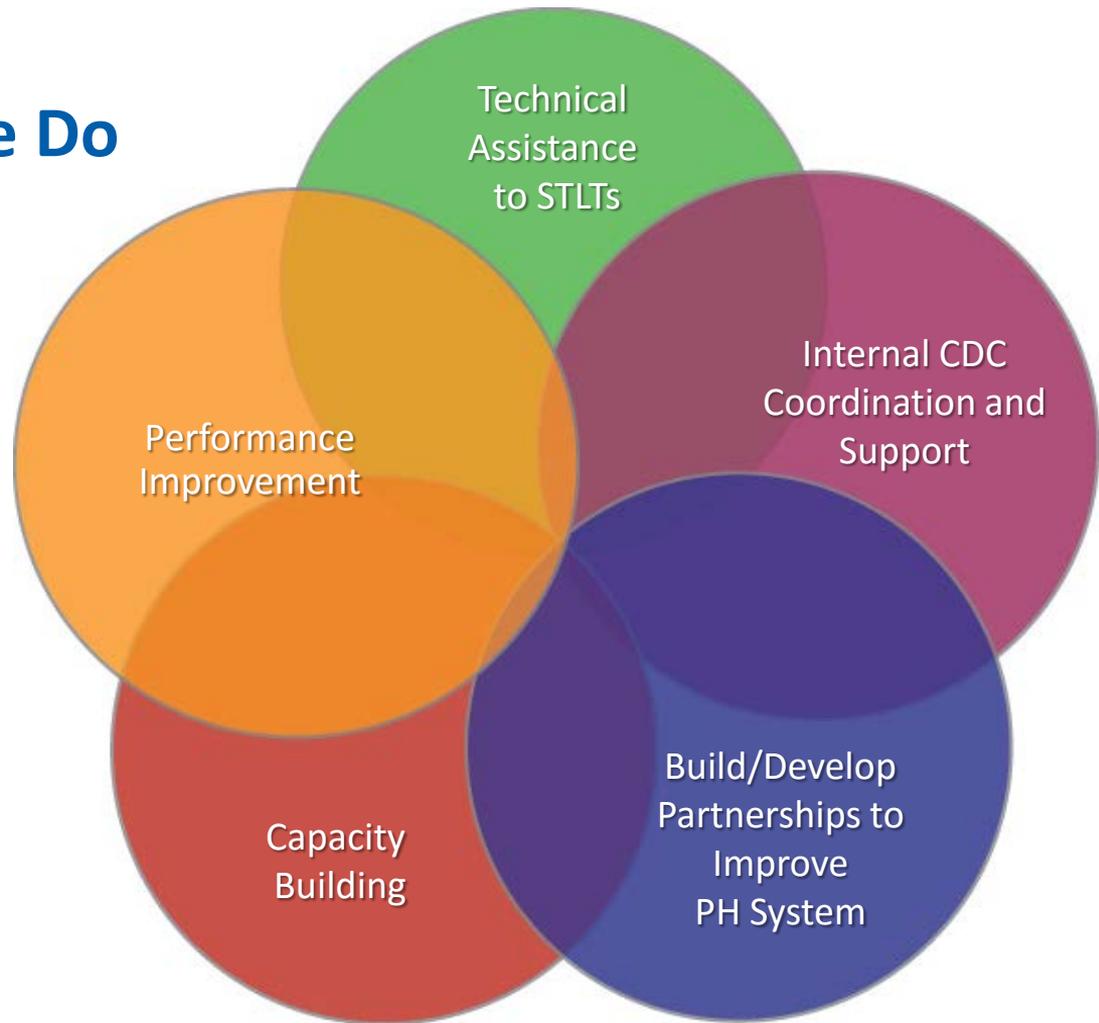
CSTLTS Mission



Advance US public health agency
and system performance,
capacity, agility, and resilience

CSTLTS — What We Do

Advance the US
public health agency
and system
performance,
capacity, agility and
resilience



CSTLTS Director Current Priorities

Improved Population Health Outcomes by Improving
Public Health Agencies

Improved Technical
Assistance

Implementation and
Public Health
Systems Science

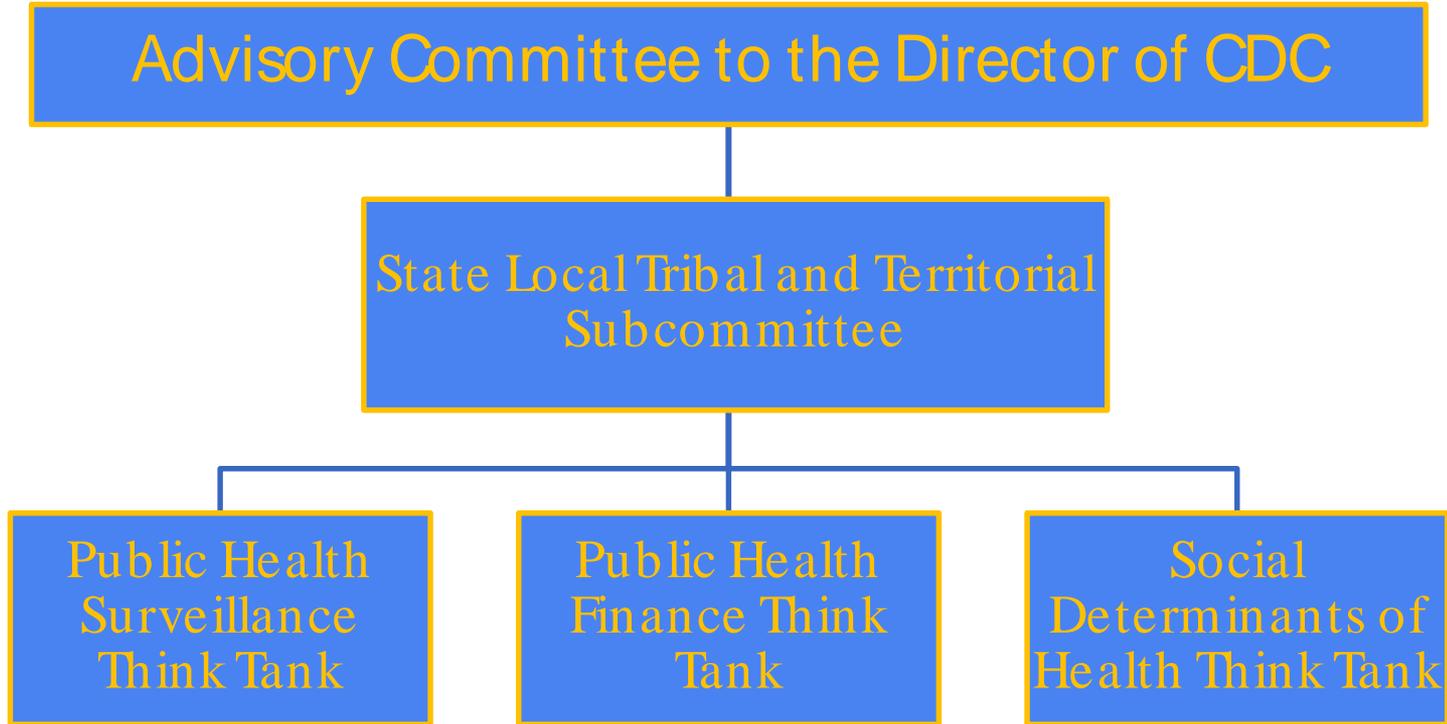
Improved Internal
CDC Coordination

Social
Determinants
of Health

Rural Health

Health
Systems
Integration

External Input





Communications / Guidance



Epidemiology / Surveillance



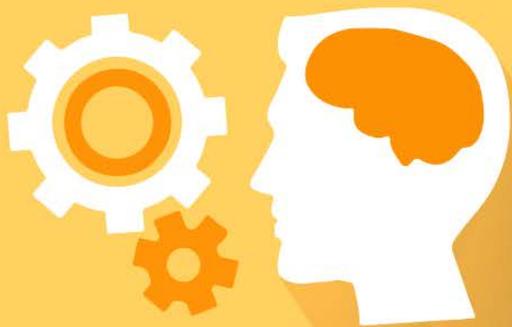
Global Health

PREVENT

DETECT

RESPOND

Innovation



Laboratory / Diagnostics



State / Local Health



For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

