

CDC Global Health

Saving Lives Overseas, Protecting Americans at Home



CDC Overview

- Part of the U.S. Department of Health and Human Services, CDC is the nation's leading public health agency, dedicated to saving lives and protecting the health of Americans
- Headquartered in Atlanta, with facilities in 10 additional locations in the U.S. and in more than 60 countries
- More than 12,000 employees in nearly 150 professional disciplines
- CDC's budget in 2017: \$7.2 billion

CDC Funding in Fiscal Year 2017

\$1.4 Billion

Protect Americans from Natural and Bioterrorism Threats

- \$1.4 Billion—Public Health Preparedness and Response

\$2.5 Billion

Protect Americans from Infectious Diseases

- \$585 Million—Emerging and Zoonotic Infectious Diseases
- \$1.12 Billion—HIV/AIDS, Viral Hepatitis, STD, and TB Prevention
- \$794 Million—Immunization and Respiratory Diseases

\$1.54 Billion

Prevent the Leading Causes of Disease, Injury, Disability, and Death

- \$138 Million—Birth Defects, Developmental Disabilities, and Disability and Health
- \$1.12 Billion—Chronic Disease Prevention and Health Promotion
- \$286 Million—Injury Prevention and Control

\$489 Million

Monitor Health and Ensure Laboratory Excellence

- \$489 Million—Public Health Scientific Services

\$551 Million

Keep Americans Safe from Environmental and Work-related Hazards

- \$216 Million—Environmental Health
- \$335 Million—Occupational Safety and Health

\$435 Million

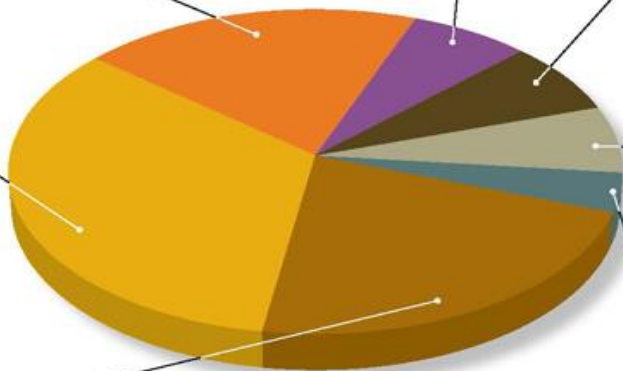
Ensure Global Disease Protection

- \$435 Million—Global Health

\$284 Million

Cross-cutting Support and PHS Block Grant and Buildings and Facilities

- \$274 Million—Cross-cutting Activities and Program Support
- \$10 Million—Buildings and Facilities

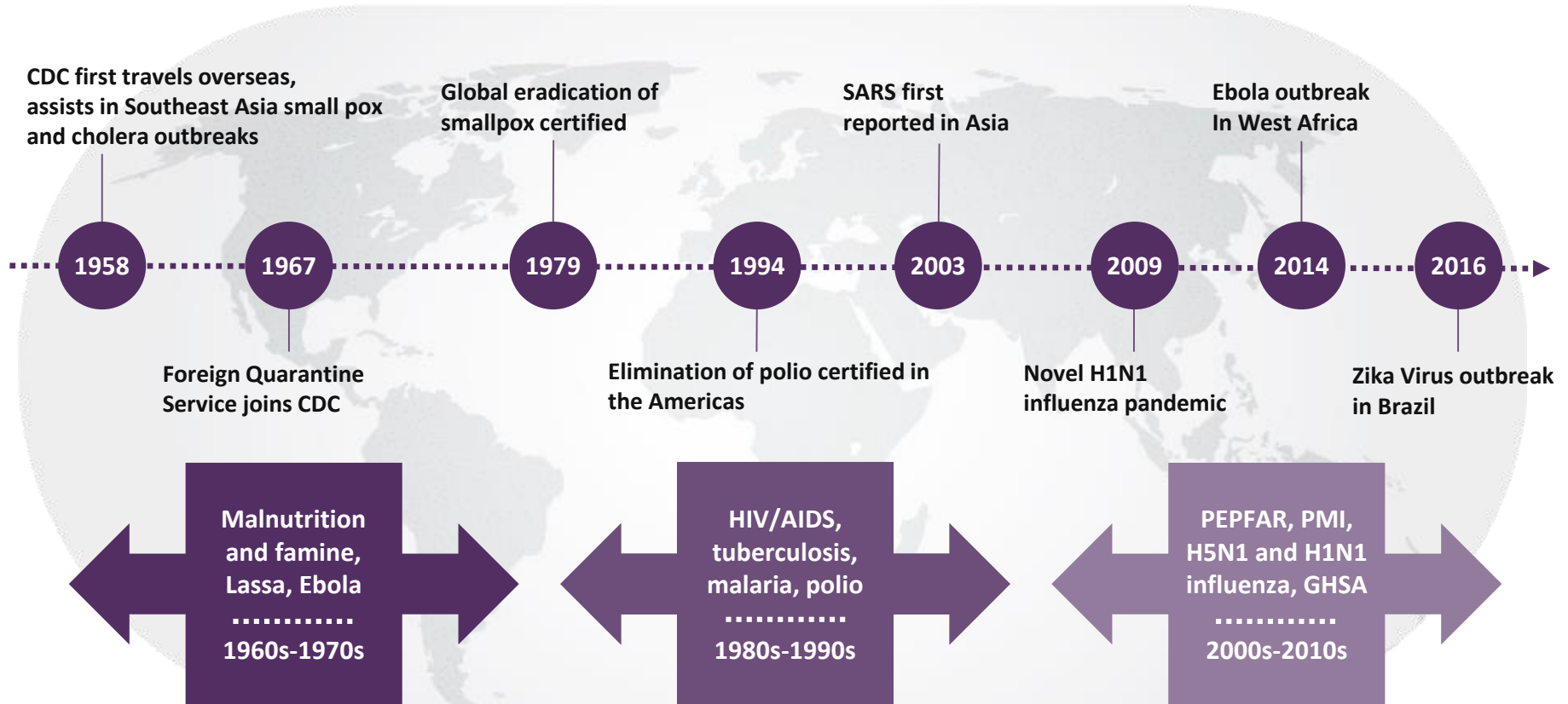


*Totals have been rounded to nearest million.

CDC Works 24/7 to Keep America Healthy, Safe and Secure

Putting Science Into Action	Respond, Contain and Eliminate Health Threats	Strengthening our Communities
<ul style="list-style-type: none">• Turning new research into tools and actions to save more lives• Tracking diseases to take the pulse of America's health	<ul style="list-style-type: none">• 100+ labs identify diseases, food and waterborne outbreaks, biosecurity threats and environmental hazards• Trusted world class scientists discovering microbes that threaten Americans	<ul style="list-style-type: none">• Working with state, local, tribal and territorial health departments to investigate and protect against health threats• Providing states with support and technical engagement to increase their impact

CDC 50 Years in Global Health | Achievement and Challenge



CDC's Global Health Expertise



Surveillance and strategic information systems



Laboratory system strengthening and networks



Public health workforce strengthening



Public health emergency response



Translational, implementation and operational research



Center for Global Health

OFFICE OF PUBLIC
HEALTH PREPAREDNESS
AND RESPONSE

NATIONAL CENTER FOR
EMERGING AND
ZOO NOTIC INFECTION
DISEASES

NATIONAL CENTER FOR
HIV/AIDS, VIRAL
HEPATITIS, STD, AND TB
PREVENTION

NATIONAL CENTER FOR
IMMUNIZATION AND
RESPIRATORY DISEASES

OTHER PROGRAMS

Division of
Global HIV &
TB



Division of
Parasitic
Diseases and
Malaria



Global
Immunization
Division



Division of
Global Health
Protection



CDC's Global Health Strategy



VISION

A world where people live healthier, safer and longer lives

MISSION

Protect and improve health globally through science, policy, partnership, and evidence-based public health action

HEALTH IMPACT

Improve the health and wellbeing of people around the world

HEALTH SECURITY

Improve capabilities to prepare and respond to infectious diseases, other emerging health threats, and public health emergencies

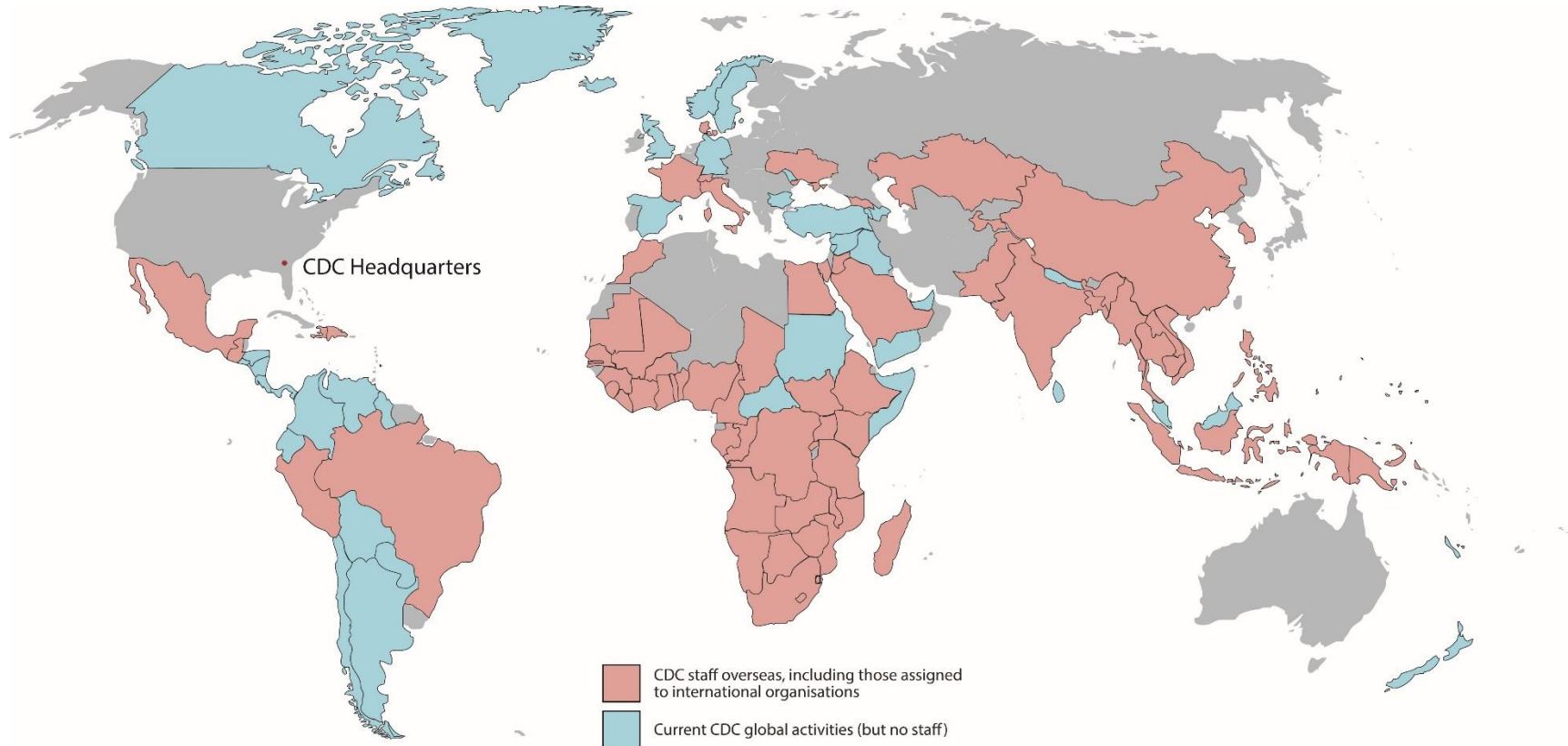
HEALTH CAPACITY

Build country public health capacity

ORGANIZATIONAL CAPACITY

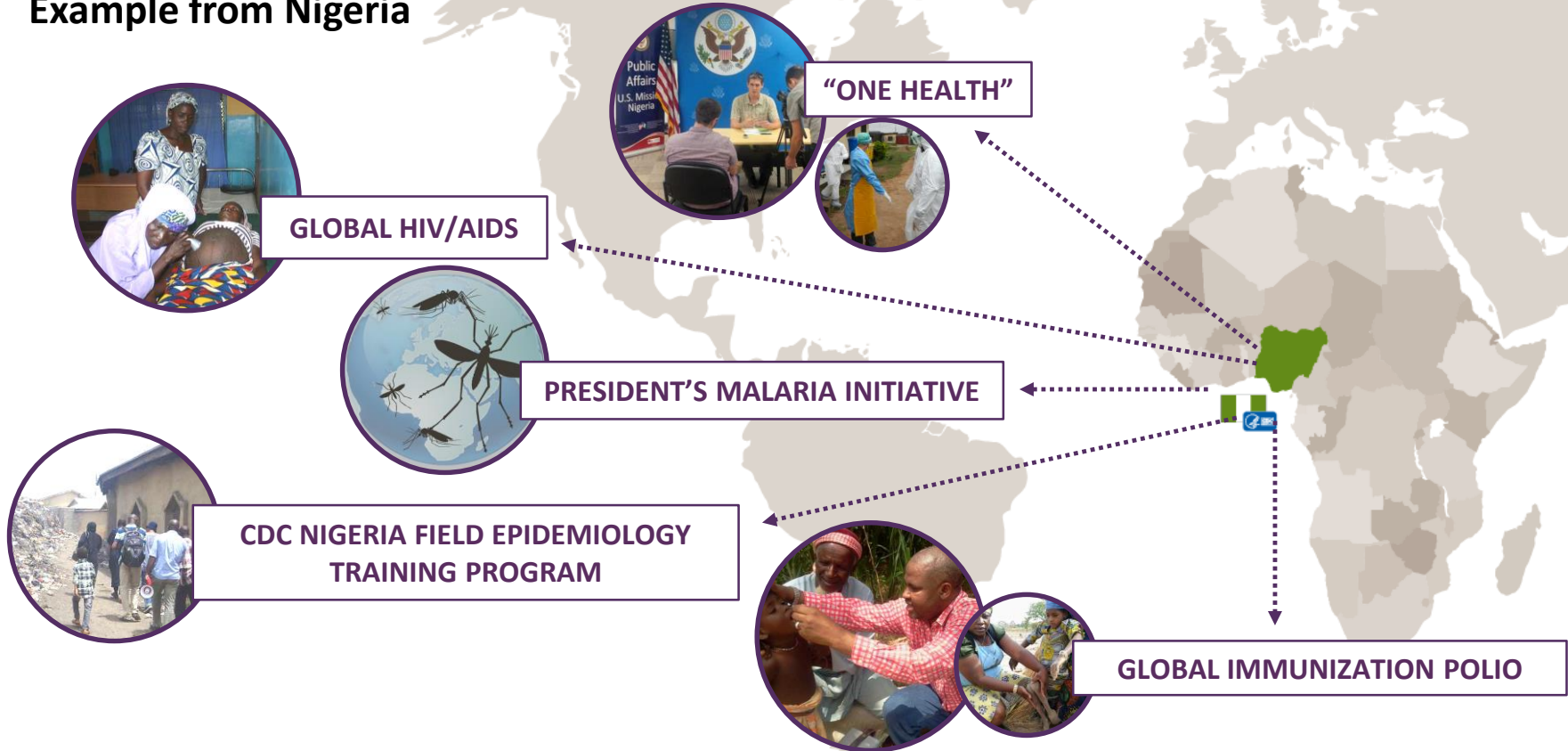
Maximize potential of CDC's global programs to achieve impact

CDC Staff and Activities



Country Office Coordination and Implementation

Example from Nigeria



CDC's Global Health Partnerships

U.S. GOVERNMENT



PRIVATE SECTOR



PHILANTHROPIC ORGANIZATIONS



ACADEMIC INSTITUTIONS



NON-GOVERNMENT ORGANIZATIONS



COUNTRY GOVERNMENTS



UNITED NATIONS AGENCIES



PROFESSIONAL ASSOCIATIONS



Division of Global HIV & TB (DGHT)

Center for Global Health



Division of
Global HIV & TB

Division of
Parasitic
Diseases and
Malaria

Global
Immunization
Division

Division of
Global Health
Protection

The Impact of CDC's Global HIV and TB Efforts



Antiretroviral Treatment for
**Men, Women,
and Children****

PEPFAR: 11.5 Million
CDC: 6.4 Million



Antiretroviral Treatment to
**Prevent Mother-to-child
Transmission*****

PEPFAR: 760,500
CDC: 411,000



**Voluntary Medical Male
Circumcisions
(VMMC)******

PEPFAR: 11.7 Million
CDC: 6 Million



HIV-Positive Persons
Screened in Care for TB***

PEPFAR: 6.1 Million
CDC: 3.5 Million



**HIV Counseling
& Testing*****

PEPFAR: 74.3 Million
CDC: 45.5 Million

Sources: [U.S. President's Emergency Plan for AIDS Relief \(PEPFAR\)](#)

*Other USG agencies may have also contributed to some of these achievements **As of Sept 30, 2016 ***FY2016 ****Cumulative through Sept 30, 2016

Division of Parasitic Diseases and Malaria (DPDM)

Center for Global Health



Division of
Global HIV & TB

Division of
Parasitic
Diseases and
Malaria

Global
Immunization
Division

Division of
Global Health
Protection

Progress Against Parasitic Diseases and Malaria



Improved diagnosis and treatment of parasitic diseases in the U.S.



6.2 million malaria deaths averted from 2001-2015, mainly among children in Africa, representing a **60% decrease globally**



1.6 billion courses of treatment distributed through global efforts to treat neglected tropical diseases



Global Immunization Division (GID)

Center for Global Health



Division of
Global HIV & TB

Division of
Parasitic
Diseases and
Malaria

Global
Immunization
Division

Division of
Global Health
Protection

Global Immunization: Impact



- 99% reduction in the number of **wild polio** cases since 1988
- **Only three countries** have endemic polio cases: **Pakistan, Afghanistan, and Nigeria**



Global measles deaths worldwide reduced by 79% between 2000 and 2014



New and underutilized vaccines alongside the continued use of measles vaccine **are estimated to save 23.3 million lives overall** from 2011 to 2020 in low-income countries

Division of Global Health Protection (DGHP)

Center for Global Health



Division of
Global HIV & TB

Division of
Parasitic
Diseases and
Malaria

Global
Immunization
Division

Division of
Global Health
Protection

Advancing Global Health Security:

PRIORITIES



DETECTING AND RESPONDING TO EMERGENCIES

NEUTRALIZING THREATS AT THE SOURCE

BUILDING PARTNERSHIPS

Division of Global Health Protection

BY THE NUMBERS

Global Health Security



Emergency Response

More than **400** CDC staff ready to deploy anywhere



Workforce Development

More than **10,000** disease detectives trained



Disease Detection

More than **30-40** outbreaks monitored/ reported daily



Pathogen Discovery

Discovered **11** pathogens that were identified for the first time anywhere in the world



Joint External Evaluation (JEE)

CDC staff have participated more than **70%** of completed JEEs

GHSA Targets



Antimicrobial Resistance



Zoonotic Diseases



Biosafety/Biosecurity



Immunization



Workforce Development



Emergency Operations Centers

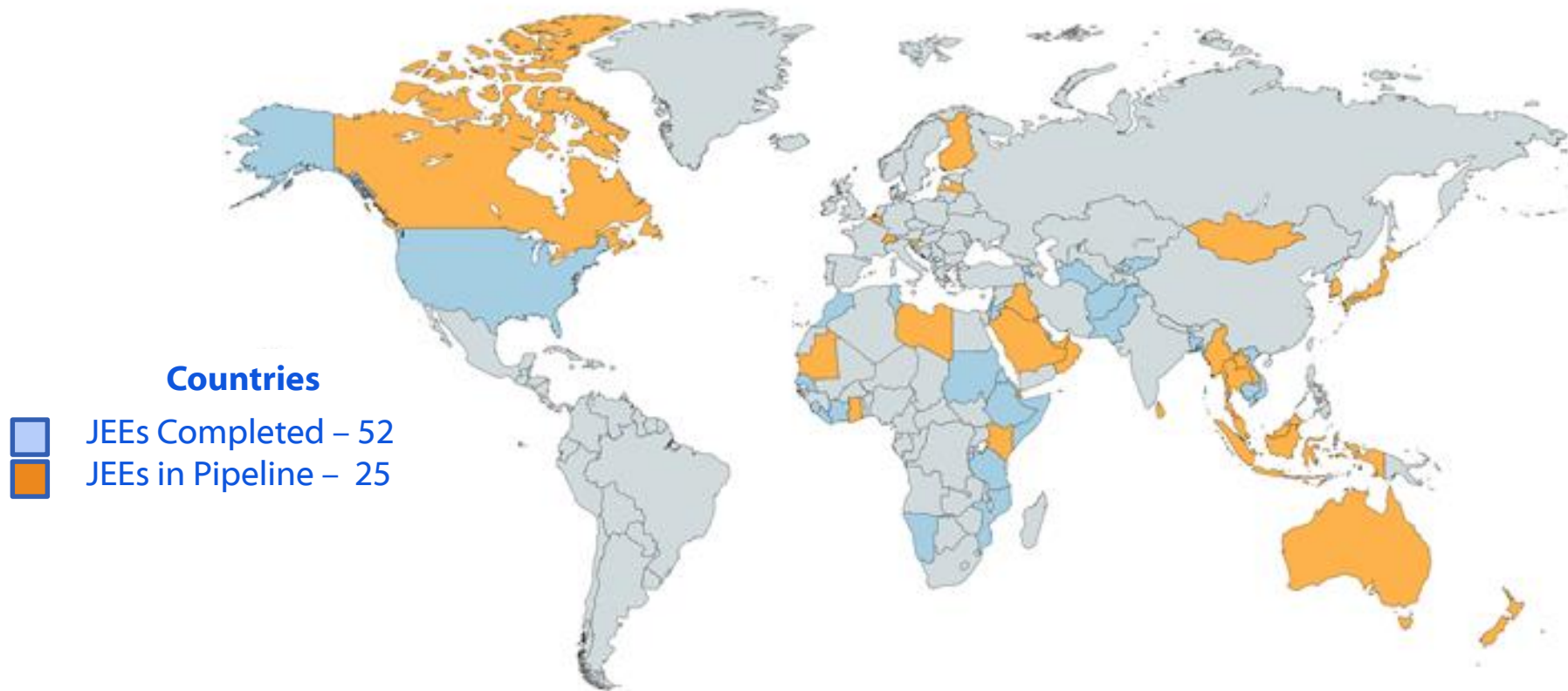


Link Public Health and Law Enforcement



Medical Countermeasures

Joint External Evaluation (JEE)

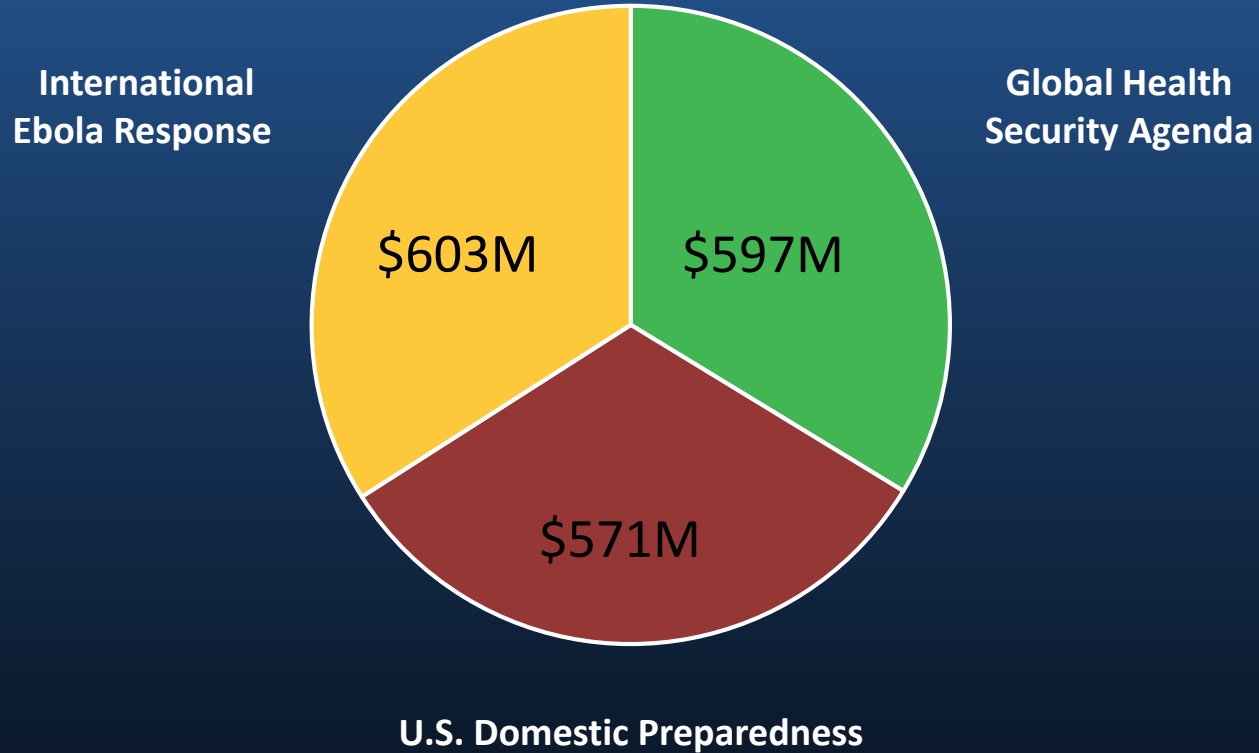


Countries

-  JEEs Completed – 52
-  JEEs in Pipeline – 25

2015-2019 Emergency Funding USG

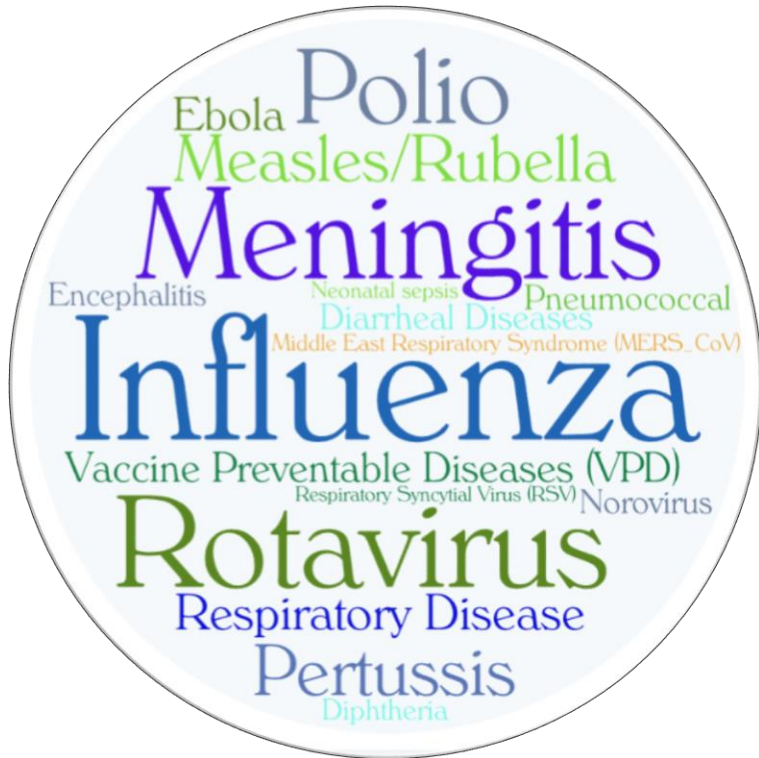
CDC received \$1.77B of \$6B



NCEZID Global Health Priorities and Partners

- Global Antimicrobial Resistance
- Developing New and Better Technologies for Emerging Infectious Diseases
- Prioritizing Zoonotic Diseases and One Health
- Improving Outbreak Response Capacities

NCIRD's Global Pathogens and Partnerships



Pathogen name is weighted by frequency of activity

Influenza:

- National Influenza Centers (NIC)
- Influenza Reagent Resource (IRR)
- Partnership for Influenza Vaccination Introduction (PIVI)

Meningitis:

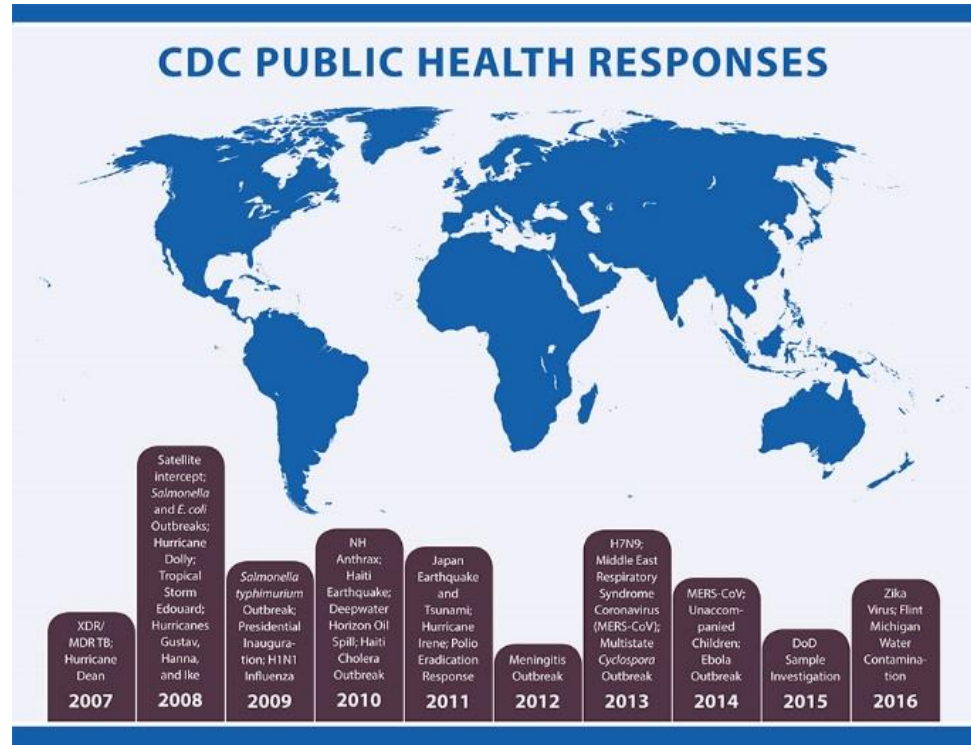
- MenAfriVac™
- MenAfrinet

Polio:

- WHO Global Polio Laboratory Network

Office of Public Health Preparedness & Response

- Train future response leaders in emergency management
- Provide technical assistance to build Public Health Emergency Operations Center
- On-site workshops allowed Ethiopia, Uganda, and Cameroon to outline plans for sending and receiving medical countermeasures and public health and medical personnel



Summary

- CDC works 24/7 at home and globally to reduce threats to the nation's health and economy
- CDC experts in headquarters and assigned in CDC country offices, Ministries of Health, and multilateral institutions establish a unique global network focused on HIV, malaria, polio, measles, TB, influenza, AMR and other global health priorities
- The FY2015-2019 emergency appropriation for Global Health Security has resulted in important progress towards a world more prepared to stop infectious diseases at their source; there is still more we must do to protect America and the world from existing and emerging infectious disease threats
- CDC relies on diverse collaborations and partnerships to advance shared global health priorities

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