

CDC

The U.S. Commitment to Global Health R&D



THE CENTERS FOR DISEASE CONTROL AND PREVENTION is present in every local community in the U.S. and has personnel in over 50 countries around the world. In order to protect the health and safety of Americans, the CDC tracks and detects diseases across borders, prevents and controls outbreaks and epidemics, and strengthens our relationships with communities globally through its research and work.



Global Health Research and Development:
working to improve lives at home and abroad.

CDC BY THE NUMBERS

- employs more than **11,000** people in the U.S. alone Source: CDC
- invested **\$37.6 million** (less than 1% of the total CDC budget) in global health research in FY2010 Source: CDC
- is the **largest single donor** to global avian flu and pandemic preparedness efforts Source: Congressional Research Service

84% of Americans believe that it is important for the federal government to play a role in research for prevention and wellness* (the focus of the CDC's global health research efforts) and just as many believe that these activities reduce health care costs.**

Source: *Your Congress – Your Health Survey, March 2011. Charlton Research Company for Research!America

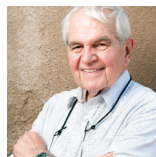
**Your Candidates – Your Health Poll, August 2010. Charlton Research Company for Research!America

“There is widespread recognition of the importance of global health. There is bipartisan commitment to making a sustainable and substantial health impact... Prevention must be the core principle that takes global health to the next level.”

DR. THOMAS FRIEDEN *Director, Centers for Disease Control and Prevention*

SMART COLLABORATIONS IN GLOBAL HEALTH

Product Development Partnerships



F. MARC LAFORCE
DIRECTOR
Meningitis Vaccine Project

The **Meningitis Vaccine Project (MVP)** is a product development partnership between PATH (an international nonprofit health organization) and the World Health Organization, created to eliminate epidemic meningitis. Working with the CDC and public and private sector partners, MVP has developed a new affordable vaccine against the most common cause of African epidemics of meningitis, which primarily attacks children and young adults and is often fatal, at less than 50 cents per dose. First introduced in 2010, MenAfriVac could save as much as \$300 million if introduced in seven high-risk countries. Widespread use may prevent more than a million cases of meningitis over the next decade. Source: <http://www.meningvax.org/>

GAVI launched the **Accelerated Vaccine Introduction (AVI)** initiative in January 2009, a global health partnership between the GAVI Secretariat, the World Health Organization and UNICEF, supported by the CDC, PATH and the Bloomberg School of Public Health at Johns Hopkins University. Pneumonia and diarrheal disease are the world's two biggest killers of children; through this partnership and accelerated use of rotavirus (the most common cause of severe diarrhea among infants and children) and pneumococcal vaccines, as well as other GAVI supported vaccines, GAVI can immunize nearly 250 million children by 2015 and save four million more lives.

Source: <http://www.rotavirusvaccine.org/>

Global Health R&D

A SMART THING FOR THE U.S.
THE RIGHT THING FOR THE WORLD.

PARTNERING TO SAVE LIVES

Global health R&D partnerships foster success at home and abroad

PARTNERS CDC, Tuberculosis Trial Consortium (TBTC), Vanderbilt University
LOCATION Brazil, Spain, South Africa, China, Vietnam, Peru
GOAL Find new treatments for TB

The **Tuberculosis Trial Consortium**, funded in part by the CDC, is conducting research on new preventive therapies for TB infection. With over 8,000 participants, this partnership recently conducted the largest TB prevention clinical trial in history, which has yielded promising results. Treatment for TB infections may become simpler (once a week dose instead of daily) and have an overall shorter treatment regimen. TB affects 2 billion people worldwide and approximately 11 million people in the United States alone. If successful, new treatment therapies have the potential to prevent the 1.7 million deaths that occur from active TB each year. Source: <http://www.cdc.gov/tb/topic/research/tbtc/default.htm>

Global Health Research and Development Progress

The Centers for Disease Control and Prevention supports global health R&D that stimulates job growth at home, promotes a stable global economy and ensures a safer, healthier world. The CDC's multiple centers, institutes, and offices all work together to improve health equity and health protection worldwide.

▶ The CDC builds capacity and expertise through eight Global Disease Detection Regional Centers around the world. The Centers have discovered and identified 51 unique diseases, and have protected more than 103 million people since 2006 through disease surveillance.

Source: CDC Budget 2012, p. 220

▶ Since 2006, CDC's Global Disease Detection Operations Center (GDDOC) has worked with ministries of health to develop 185 new diagnostic tests in 59 countries, enabling these countries to test for diseases that they couldn't diagnose previously.

Source: Morbidity and Mortality Weekly Report, June 24th, 2011; Ten Great Public Health Achievements-Worldwide 2001-2010

▶ The CDC, as part of the Presidential Malaria Initiative, conducts research in 17 different African countries on antimalarial drug resistance and treatment/prevention methods.

Source: CDC Budget 2012, p. 220

▶ The CDC conducts critical research that helps define best practices for programs that aim to eliminate neglected tropical diseases, which disproportionately affect the poorest populations in the world.

Source: CDC Budget 2012, p. 221

▶ The CDC conducted research on the President's Emergency Plan for AIDS Relief (PEPFAR) program impact and cost-effectiveness in over 80 countries, leading to revised protocols, cost savings, and additional lives saved.

Source: CDC Budget 2012, p. 215

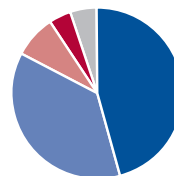
▶ CDC researchers trained through the Brazilian Field Epidemiology Training Program assisted in combating Guinea Bissau's 2008 nationwide cholera epidemic, conducting research into the efficacy of a new rapid diagnostic test in the field.

Source: State of the CDC Impact Story Topics

What Americans are saying about the CDC and R&D

Important to Increase Funding for CDC

Federal agencies like the Centers for Disease Control and Prevention play a role in improving the health of Americans through research and development. How important is it to increase funding for CDC?

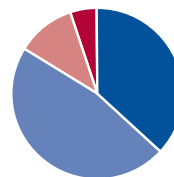


46% Very important
37% Somewhat important
8% Not too important
4% Not at all important
5% Don't know

Source: Your Congress - Your Health Survey, March 2011
Charlton Research Company for Research!America.

Important for Government to Play a Role in Prevention and Wellness

How important is it that the federal government plays a role in research for prevention and wellness?



37% Very important
47% Somewhat important
11% Not too important
5% Not at all important

Source: Research Enterprise Poll, February 2010
Charlton Research Company for Research!America.

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Less than one penny of every U.S. health dollar goes toward global health R&D.