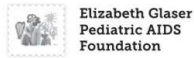


RETURN ON INNOVATION

Why global health R&D is a smart investment for the United States

July 20, 2017

 #innovate4health



GHTC global health technologies coalition



www.ghtcoalition.org



@GHTCoalition



GHTCBreakthroughs



GHTCoalition

Overview: Report key findings



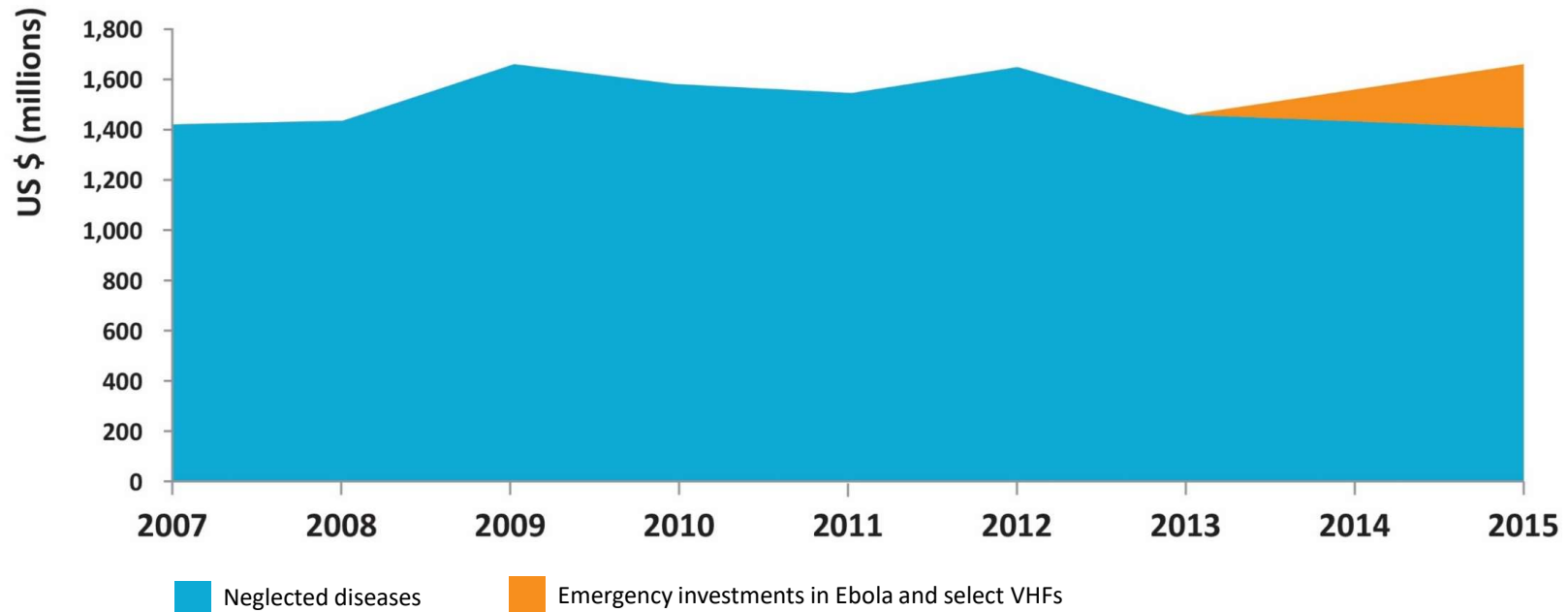
COURTNEY CARSON

Policy and Advocacy Officer, Global Health Technologies Coalition

 @GHTCoalition

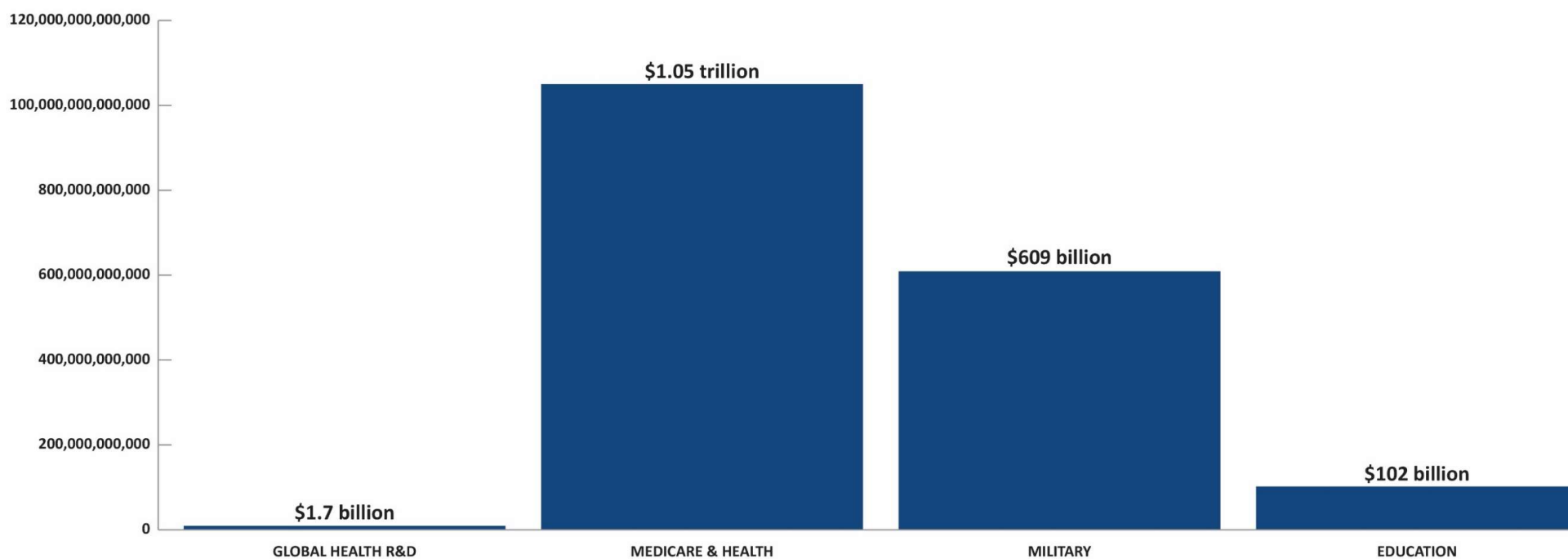
Downward trend of US government investments in global health R&D

US government funding for global health R&D, 2007-2015

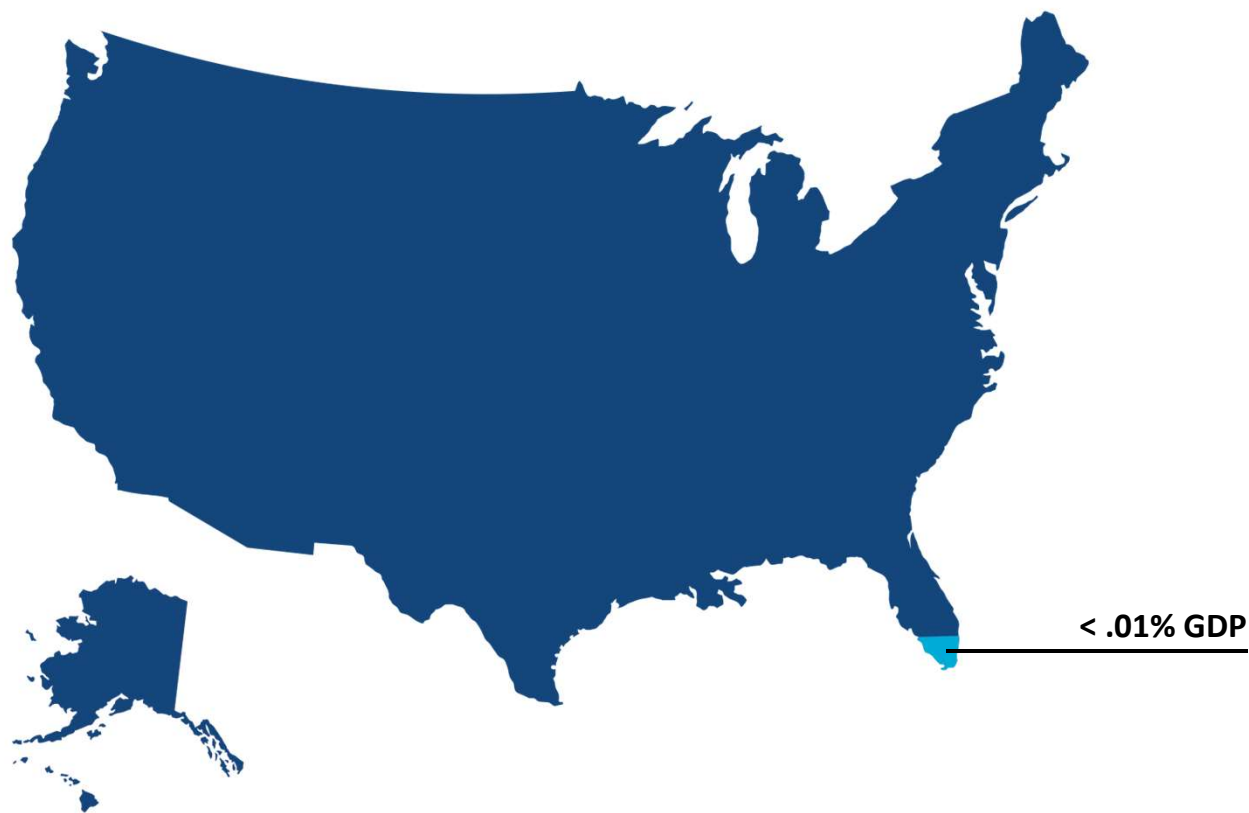


US government investments in global health R&D are limited, but indispensable

US government investment, 2015



US government investments in global health R&D are limited, but indispensable

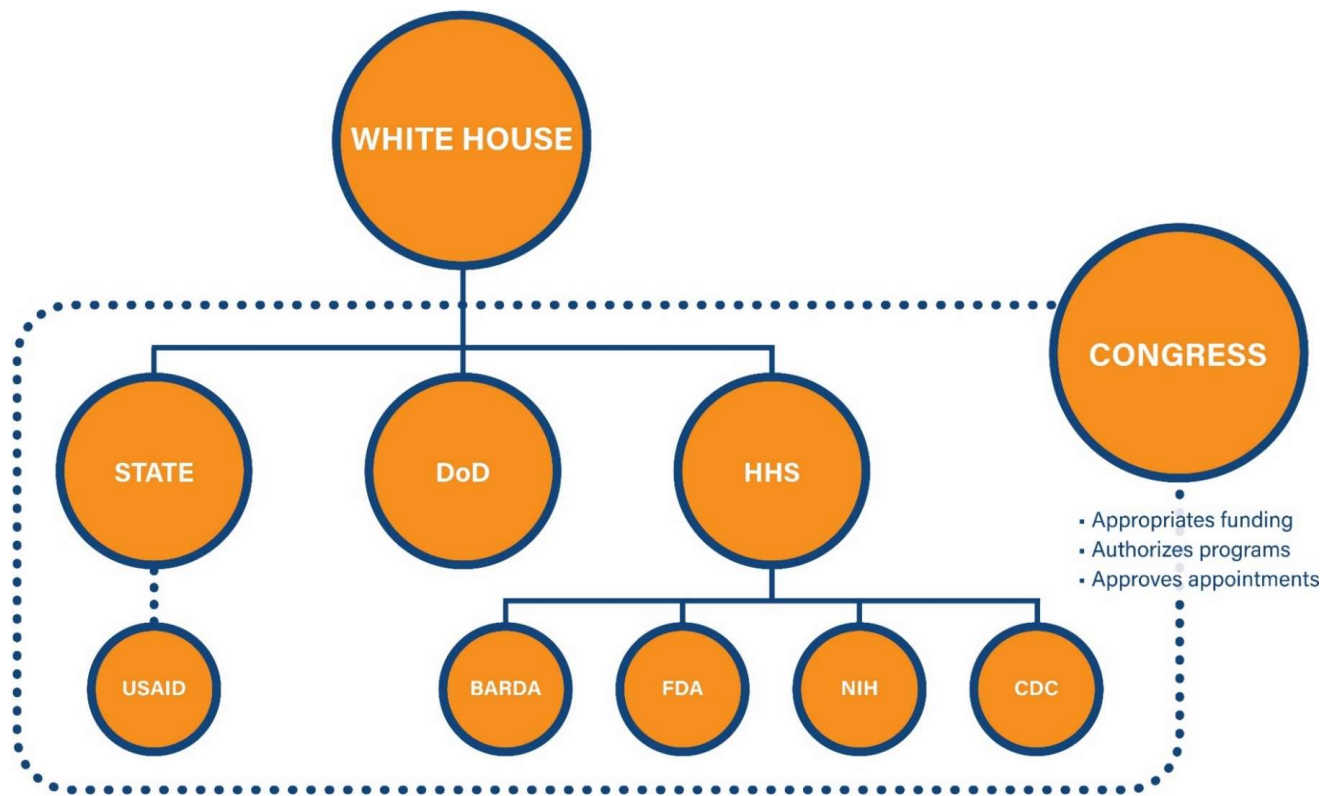


US government investments respond to market failure

- Endemic and emerging global health challenges disproportionately affect people in the world's poorest places
- US government jumpstarts research, de-risks investment
- The private sector alone will not fill this gap

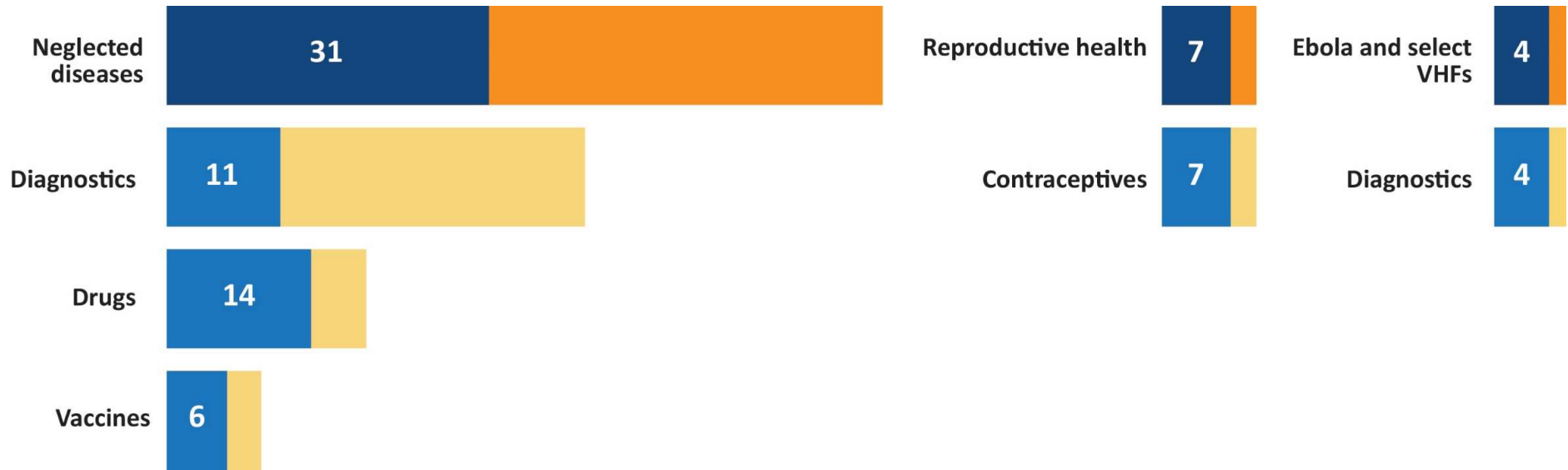


Whole-of-government support for global health R&D



Impact: New technologies developed

US government support for new global health technologies registered since 2000



Impact: Promising tools in pipeline

US government support for late-stage global health pipeline candidates



US-supported tools are savings lives, lowering healthcare and treatment costs



50-cent meningitis A vaccine

USAID, CDC, NIH, FDA

673,000 cases of meningitis A prevented

378,000 deaths averted

63,000 children saved from disability

\$9 billion dollars saved v. treating meningitis A



Two pediatric malaria treatments supported

NIH, USAID

300 million treatments distributed

750,000 estimated children saved

US investments in global health R&D create jobs and economic growth

89¢ of every dollar invested
benefits US-based research



Global health R&D injected \$12
billion into the American economy

200,000
new US jobs
\$33 billion
in economic output

US investments in global health R&D leverage private sector funding

\$1

Each dollar the NIH
invests in basic research

Leverages an additional
industry investment of
\$8.38

US investments in global health R&D promote cost-savings

A **\$26 million investment**

in polio vaccine R&D
in the 1950s has

**saved
\$180 billion**

in treatment costs in the
United States alone

It **cost
\$50 million**

to develop MenAfriVac
– a low-cost
meningitis A vaccine

By 2020,
it is predicted to have

**saved
\$9 billion**

in meningitis
A treatment costs

Large-scale disease
pandemics could cost
the global economy
more than

**\$60 billion
a year**

An R&D investment of
\$1 billion per year
could deliver the tools
needed to protect against
these outbreaks

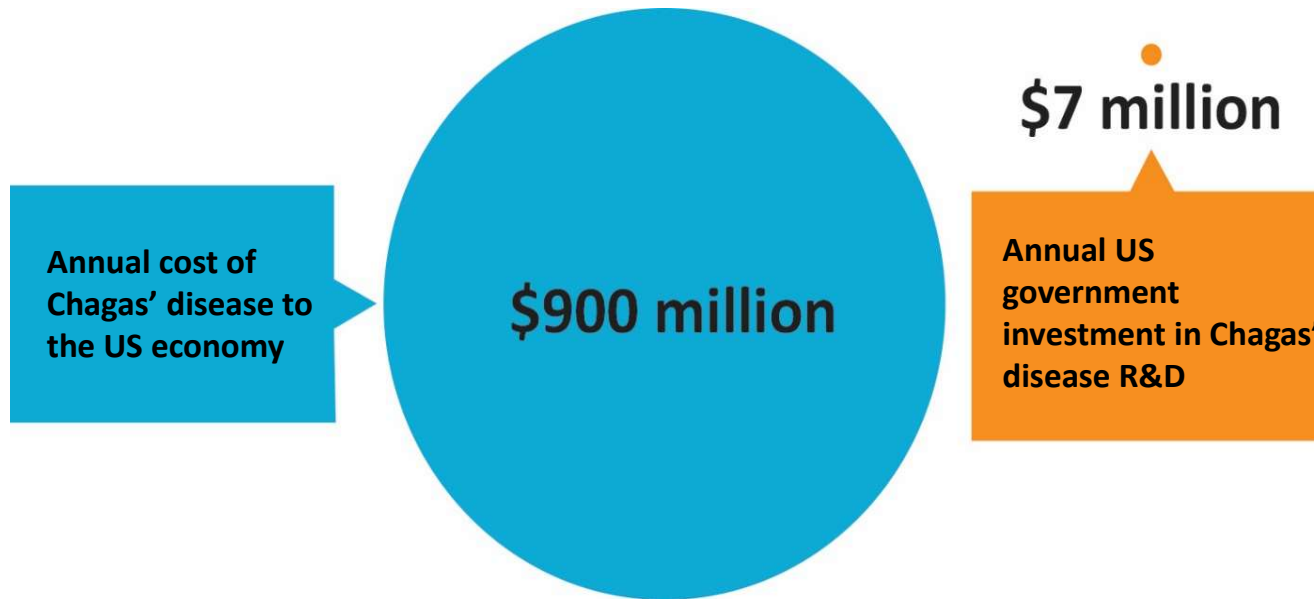
US investments in global health R&D protect American health

The collage features several news articles and scientific images:

- mySA**: "Fifth case of chikungunya confirmed in Texas" by Jessica Flecker, published 3:52 pm, Wednesday, July 16, 2014. Includes a photo of a mosquito.
- INQUISITR**: "KISSING BUGS IN TEXAS RAISE CONCERNS ABOUT CHAGAS DISEASE" by Jennifer Deutschmann, dated June 21, 2017. Includes a photo of a kissing bug.
- Hawaii Tribune-Herald**: "Dengue outbreak hits 157" published December 17, 2015 - 1:30am. Includes a map of Hawaii titled "Risk Areas for Potential Dengue Infection Hawaii—2015" and a bar chart showing the total number of confirmed cases (157).
- The Washington Post**: "More U.S. counties are finding mosquitoes that can spread Zika" by Lena H. Sun, June 20. Includes a photo of Aedes aegypti mosquitoes in a cage.
- INQUISITR**: "TUBERCULOSIS OUTBREAK IN ALABAMA: 3 DEAD AND 47 POSITIVE CASES REPORTED WITH NUMBERS RISING" by Manasi Gandhi, dated January 20, 2016. Includes a microscopic image of bacteria.
- vocativ**: "Typhus Is Making A Comeback In Texas—Aided By Heat, Poverty, And Cats" by Pam Barrett, dated August 11, 2015. Includes a bar chart showing the total number of confirmed cases (157).

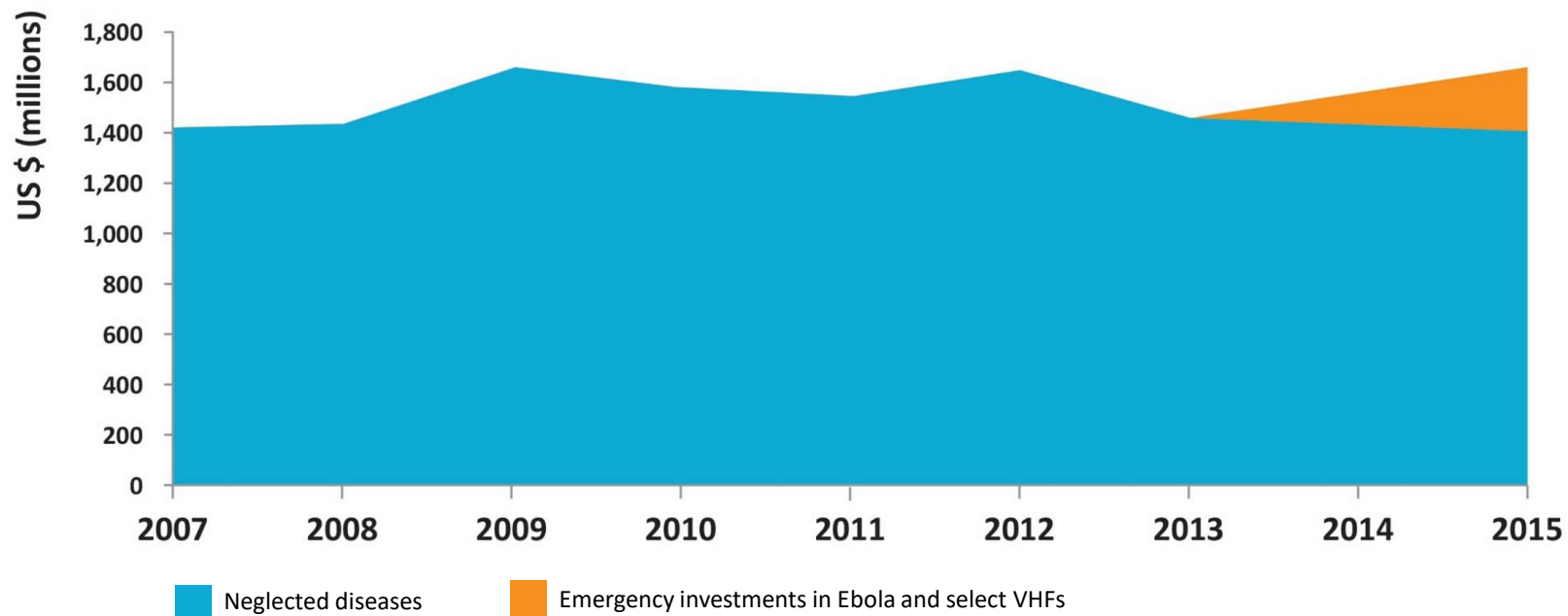
US investments in global health R&D protect American health

Chagas' disease: annual cost to the US economy vs. current US government R&D investment



Returns not reflected in global health R&D prioritization or funding

US government funding for global health R&D, 2007-2015



Global health R&D is a best buy for America

PANDEMIC PREPAREDENESS
IMPROVES HEALTH
ECONOMIC GROWTH
GLOBAL HEALTH SECURITY
SMALL INVESTMENT, BIG IMPACT

NEW TOOLS
US JOBS
LEVERAGES FUNDING
SPURS PRIVATE SECTOR
AMERICAN LEADERSHIP

LIVES SAVED
BUILDS GOODWILL
UNLOCKS OPPORTUNITY
COSTS SAVINGS

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