

What does DoD do for global health R&D?

The Department of Defense (DoD) supports research and development (R&D) for infectious diseases, antimicrobial resistance, and other health conditions that pose a risk to US national security and service members stationed abroad.

Why is DoD's role in global health R&D important?

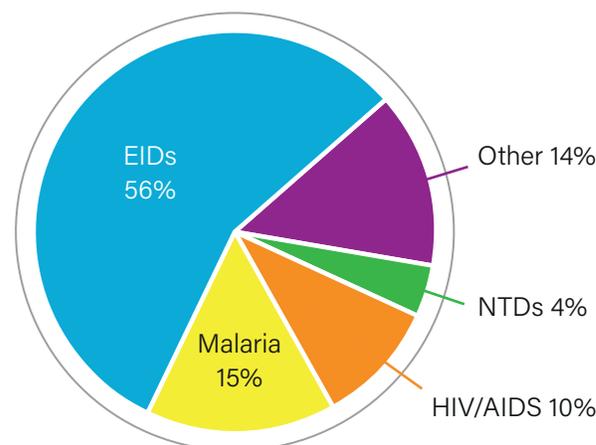
While DoD research first and foremost aims to protect service members overseas from local diseases, it also helps generate vaccines, drugs, and other health tools to combat diseases that are endemic in the world's poorest places. Additionally, because DoD focuses on producing health tools for austere settings like the battlefield, the tools it advances are often well-suited for use in low-resource communities worldwide.

DoD research is unique in spanning across all stages of R&D, from basic research to late-stage clinical development and manufacturing, making it the only US agency that can single-handedly advance a single technology from early research to end-stage product.

DoD support has helped advance:

18 promising products in late-stage development

R&D investment by health area



2017-2021 data. Abbreviations: EIDs: Emerging infectious diseases. NTDs: Neglected tropical diseases.

IMPACT OF INVESTMENT



MALARIA

Development of **nearly every antimalarial drug** approved by the US Food and Drug Administration and the world's first and only approved **malaria vaccine**, which has been given to more than **1 million children** in sub-Saharan Africa.



HIV/AIDS

Supporting ongoing development of potential **HIV/AIDS vaccine** regimens, including a trial in Kenya to evaluate whether an Army-developed adjuvant can boost immune response to experimental vaccines.



DIARRHEAL DISEASE

Ongoing development of affordable **vaccines against *E. coli* and *Shigella*** and creation of the technology used in a **water chlorinator device**, which gives low-resource communities access to safe, affordable drinking water.



EBOLA

Development of the world's first approved **Ebola vaccine**, which has been used to successfully quell recent outbreaks of the disease.



COVID-19

Supporting ongoing development of several **COVID-19 vaccine candidates**, including a pan-coronavirus vaccine to protect against multiple variants and other coronaviruses, **therapeutics**, and **diagnostics**.



CAPACITY STRENGTHENING

Operates a **network of overseas labs and medical research facilities**, which provide bases for infectious disease R&D, disease surveillance, and capacity-strengthening in partner nations.