





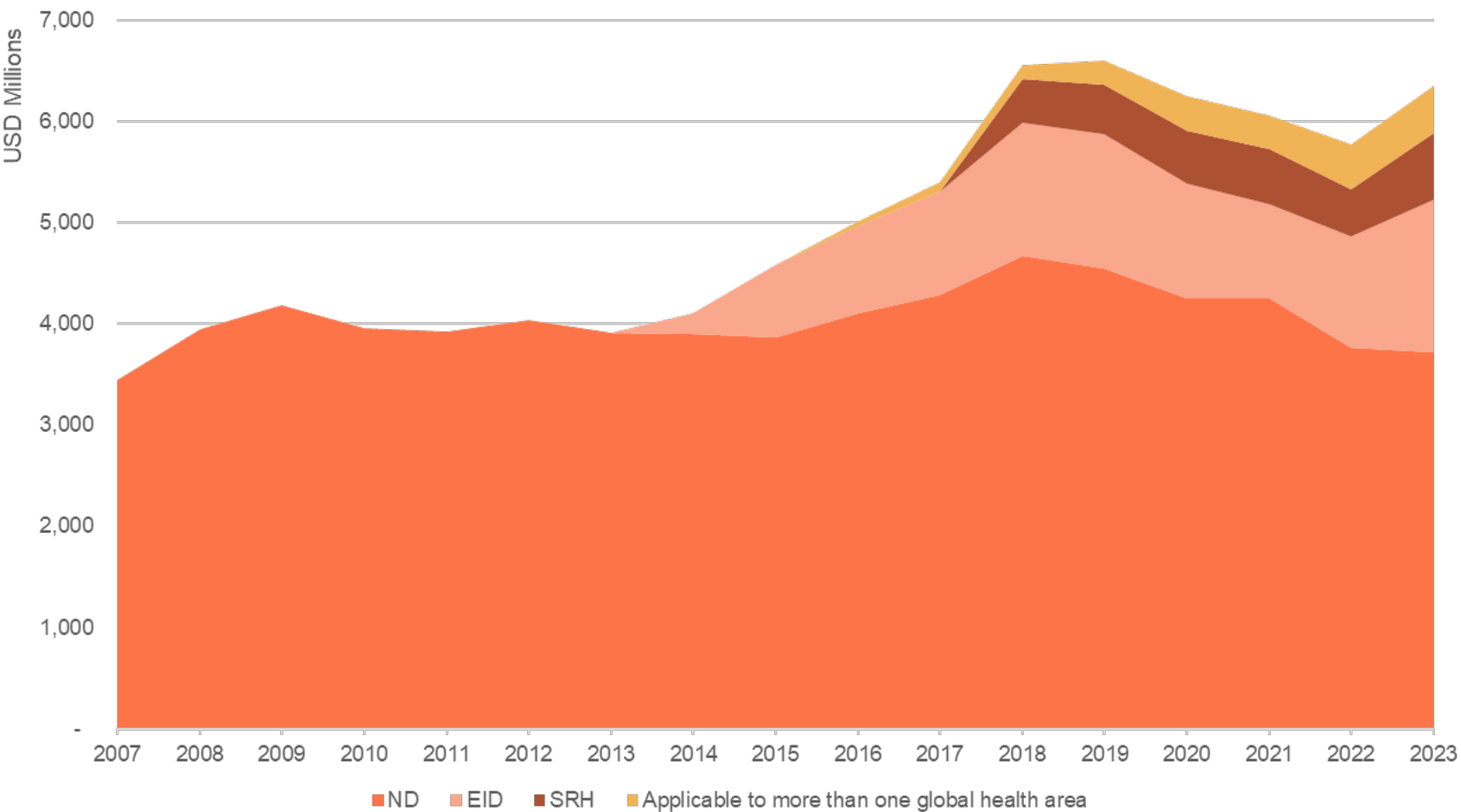
■ OVERVIEW

1. Overview of the global health R&D funding landscape
2. The ROI of investment in global health R&D
3. Challenges and the future
4. Key messages





What does the investment landscape for global health R&D look like?

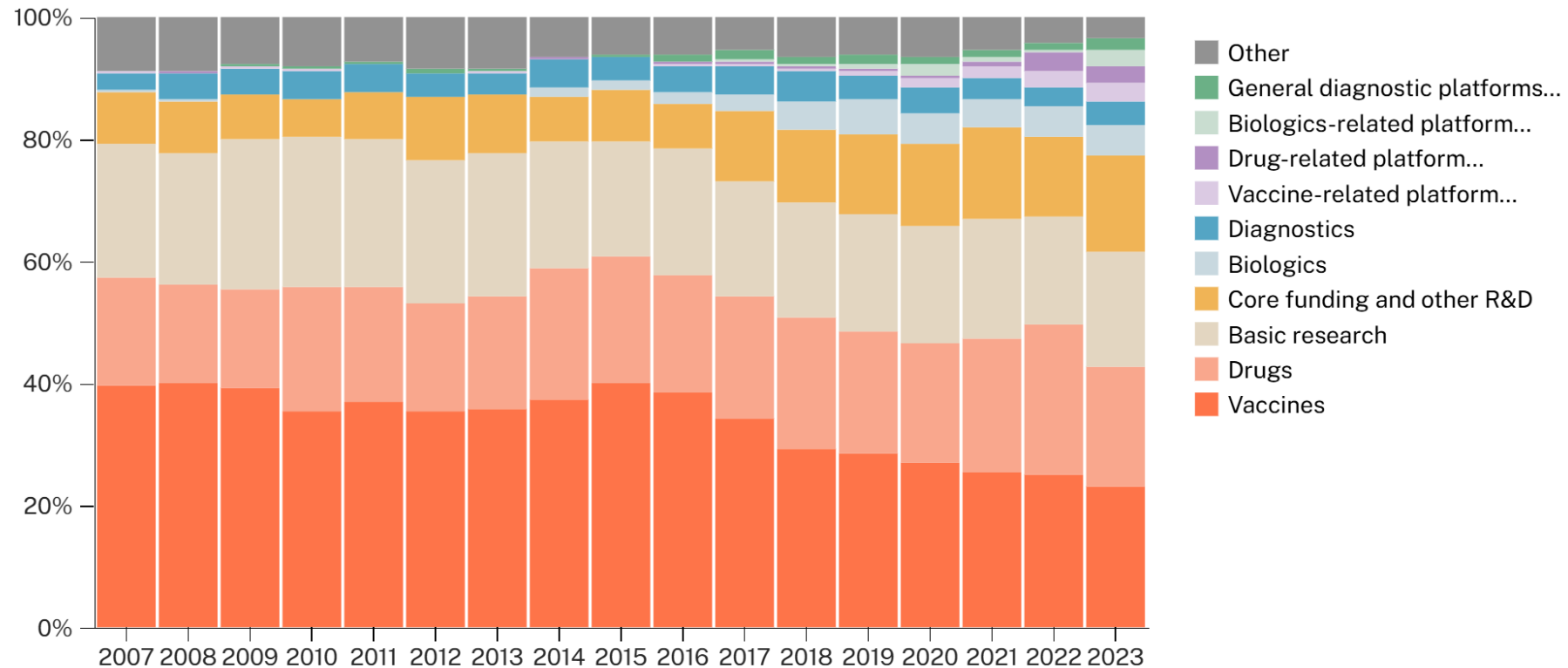




## LANDSCAPE OF FUNDING FOR GLOBAL HEALTH R&D



What does the investment landscape for global health R&D look like?





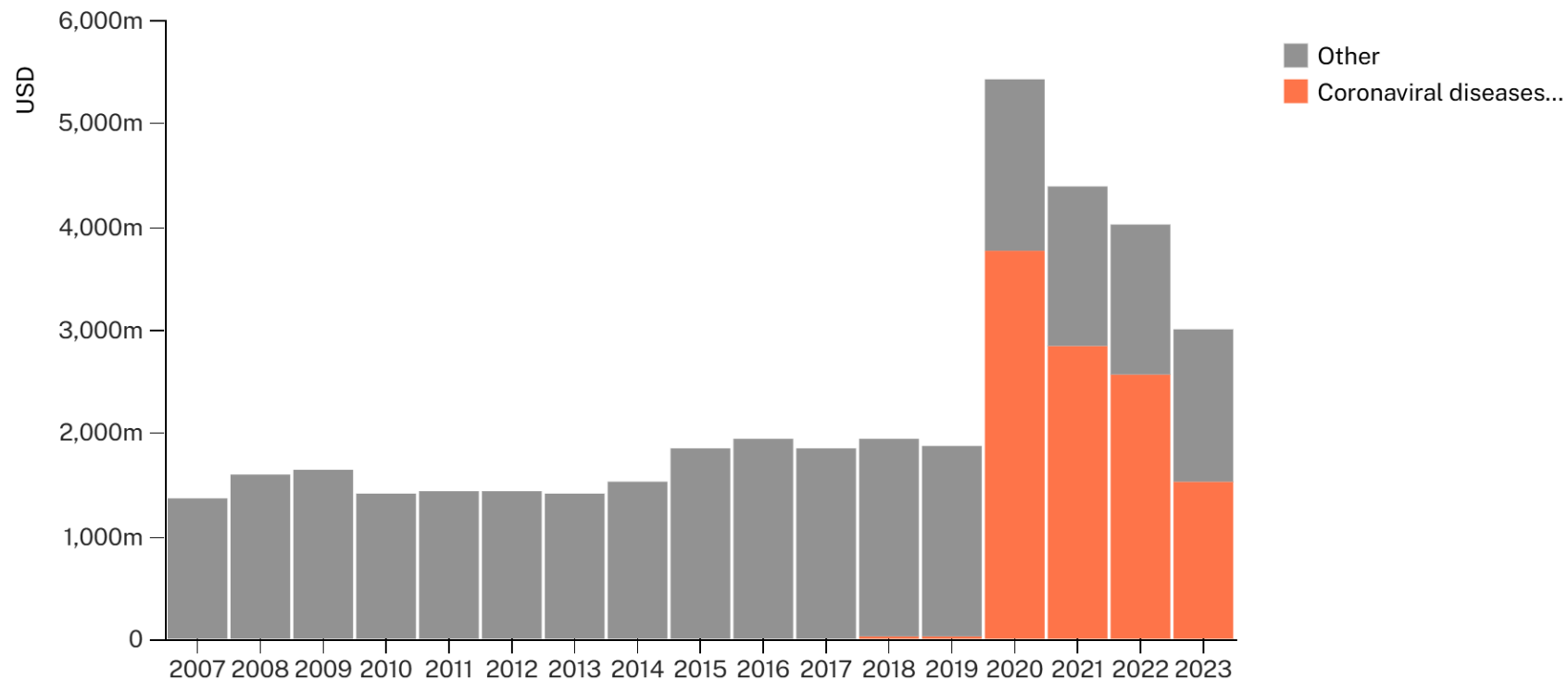


## Vaccine R&D investment: Coronaviruses vs everything else

**COVID-19 had an unsurprisingly significant impact on the funding landscape for global health vaccine R&D**

Volume of new vaccine R&D funding was unprecedented

Investment in non-coronavirus vaccine R&D for global health is down more than 20% compared to pre-pandemic levels

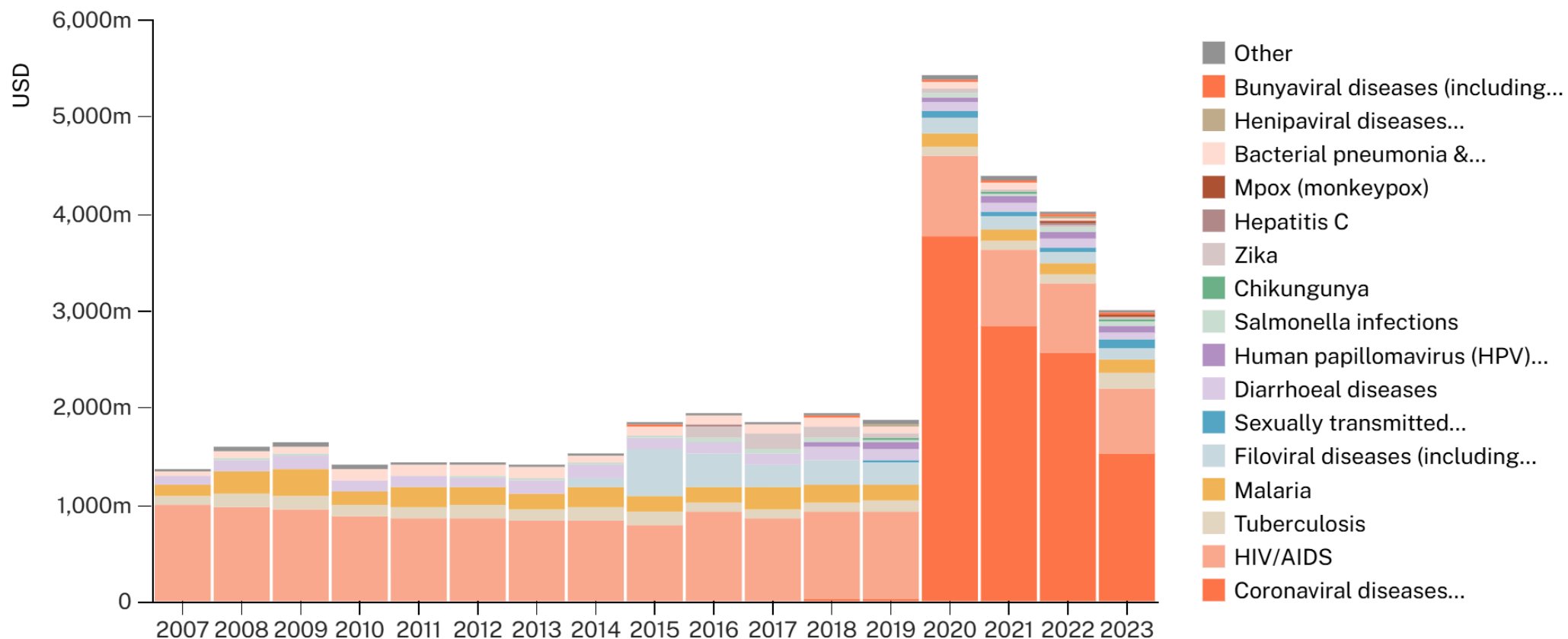


**G-FINDER**





## What is the focus of vaccine R&D investment?



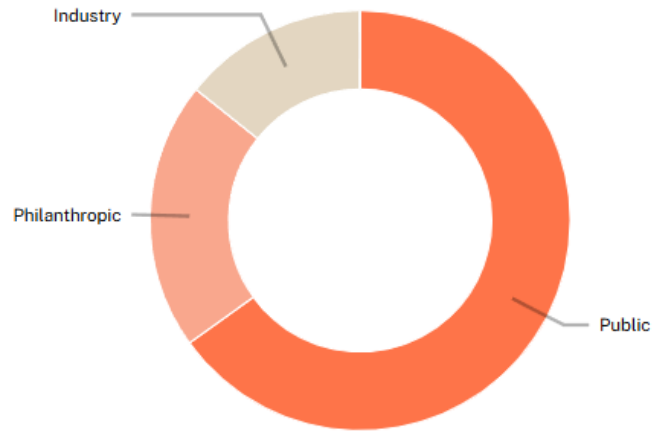
**G-FINDER**



## LANDSCAPE OF FUNDING FOR GLOBAL HEALTH R&D



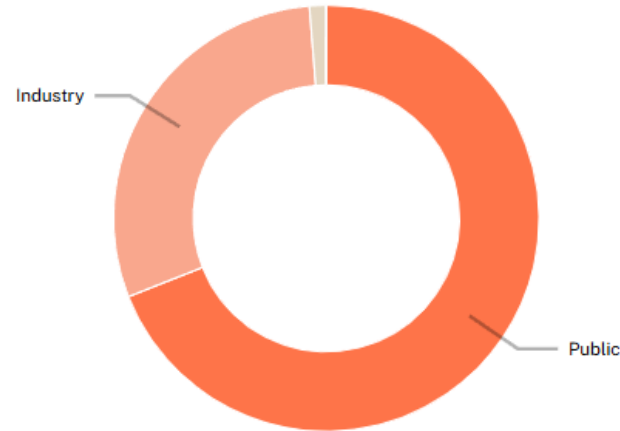
Where is vaccine R&D funding coming from?



Neglected infectious diseases

**\$1.1bn**

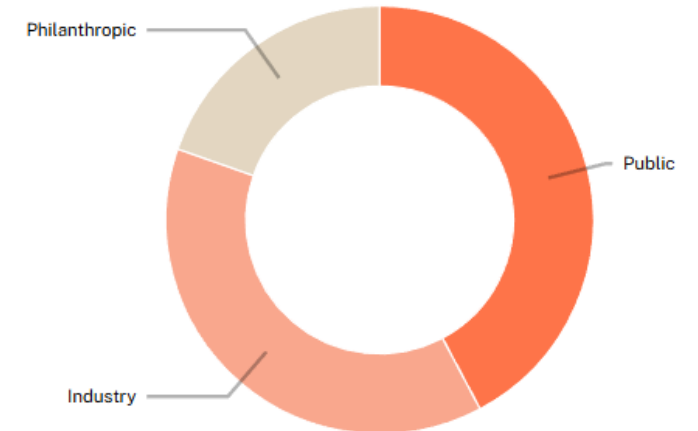
In 2023



Emerging infectious diseases (ex-COVID)

**\$185m**

In 2023 (but \$1.7bn including CoV)



Sexual & Reproductive Health

**\$150m**

In 2023





Where is vaccine R&D funding coming from?

Funder

All values are in millions

↕ FUNDERS	↕ 2023
US NIH	758
Gates Foundation	241
Aggregate industry	235
US BARDA	67
EC	41
USAID	33
Wellcome	27
Other	61
Total	1,463

Three of the top six funders of (non-CoV) vaccine R&D for global health are US Government agencies.

The US NIH alone is responsible for more than 50% of global investment.

*\* In this readout, all pharma companies are aggregated into a single entity*



## ■ RETURN ON INVESTMENT OF INVESTING IN GLOBAL HEALTH R&D



1

### Measurement framework

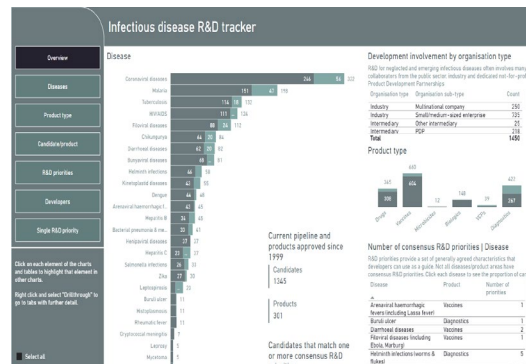
Framework and indicators



2

### Evidence Base

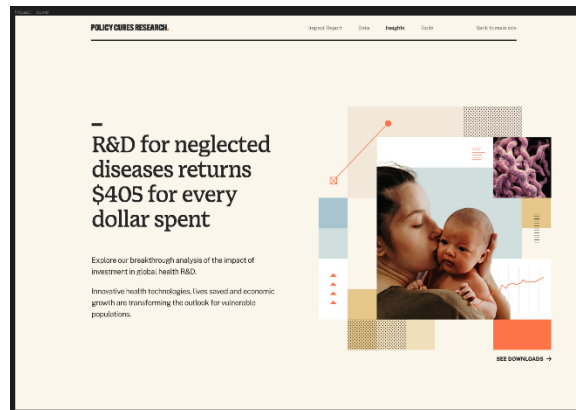
Approved products  
Updated pipeline  
R&D priorities  
Literature review



3

### Impact Assessment

Report demonstrating the  
impact of the last two decades  
of investment in global health  
R&D



4

### Stakeholder Engagement

Engaging decision-makers  
that care about and can action  
positive change in the R&D  
ecosystem



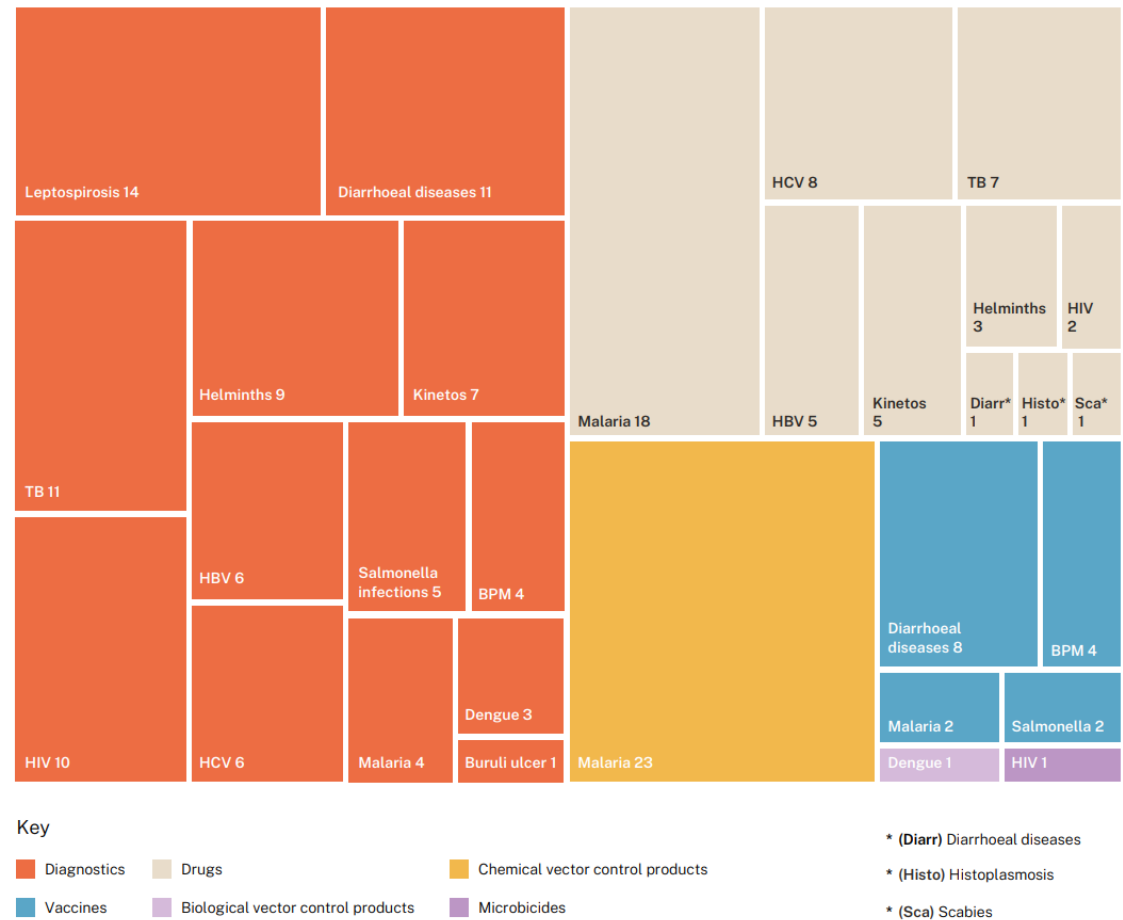


■ RETURN ON INVESTMENT OF INVESTING IN GLOBAL HEALTH R&D

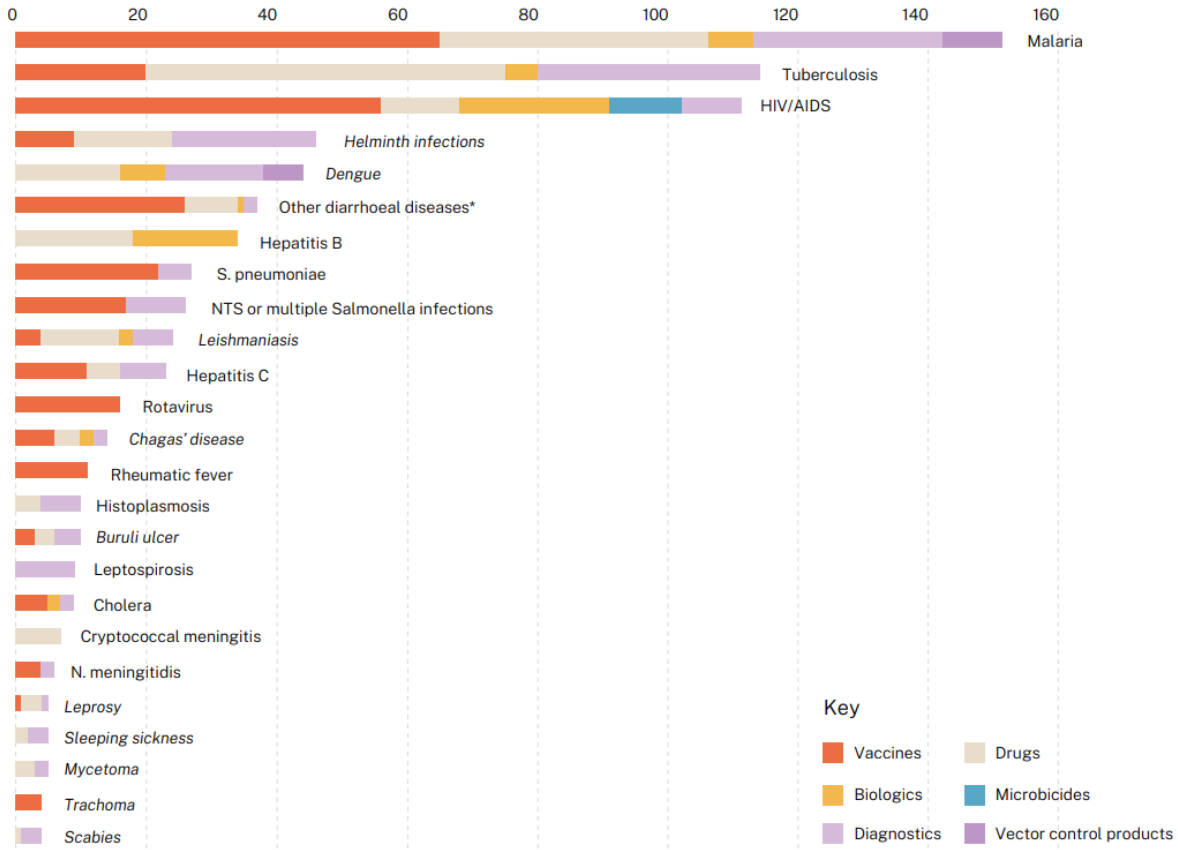


Fruits of investment – approved products since 2000 and the current R&D pipeline

Approved products for neglected diseases by product type (2000-2024)



Pipeline of candidates for neglected diseases by product type



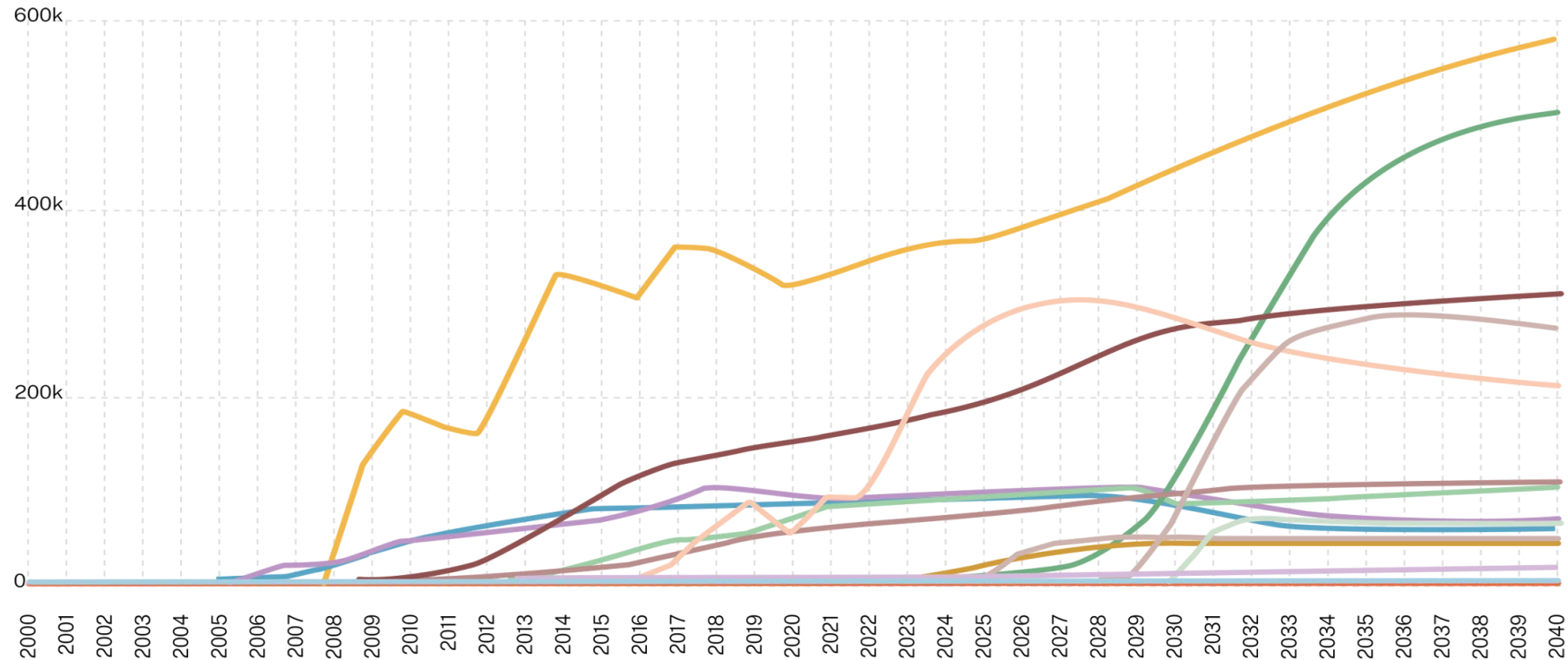
\*Note: the 'other diarrhoeal diseases' category includes Shigella, cryptosporidiosis, and enterotoxigenic & enteroaggregative E. coli.  
Italicised diseases are among the WHO Neglected Tropical Diseases



## RETURN ON INVESTMENT OF INVESTING IN GLOBAL HEALTH R&D



Deaths and DALYs averted by disease, 2000–2040

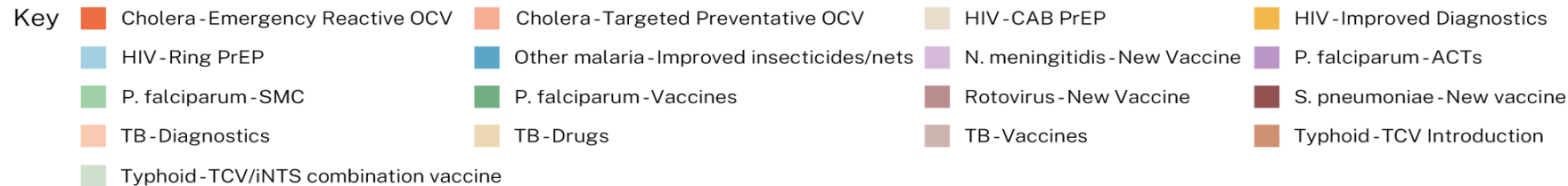


# 40.7m

Lives saved

# 2.83bn

DALYs averted (undiscounted)







Total Societal Return on Investment

$$\begin{array}{l} \text{Net benefit} \\ \text{(based on economic value of} \\ \text{DALYs averted)} \end{array} \div \begin{array}{l} \text{Total R\&D investment} \\ \text{(past and future; discounted)} \end{array} = \text{Return on investment}$$

\$49.7  
trillion

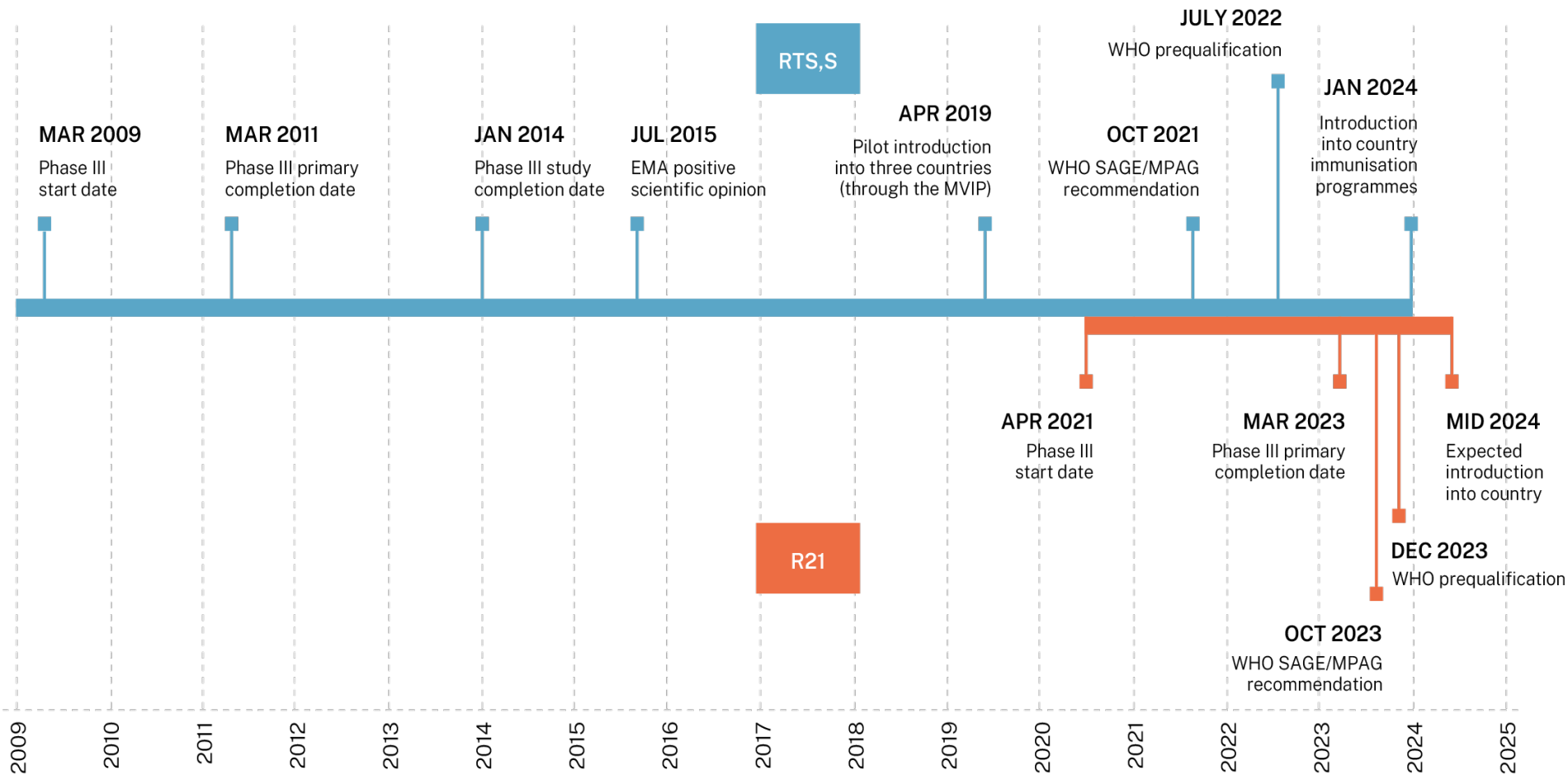
\$123  
billion

\$405  
for every \$ invested in R&D  
for neglected diseases





Comparative timeline of RTS,S and R21: Phase III commencement to product introduction

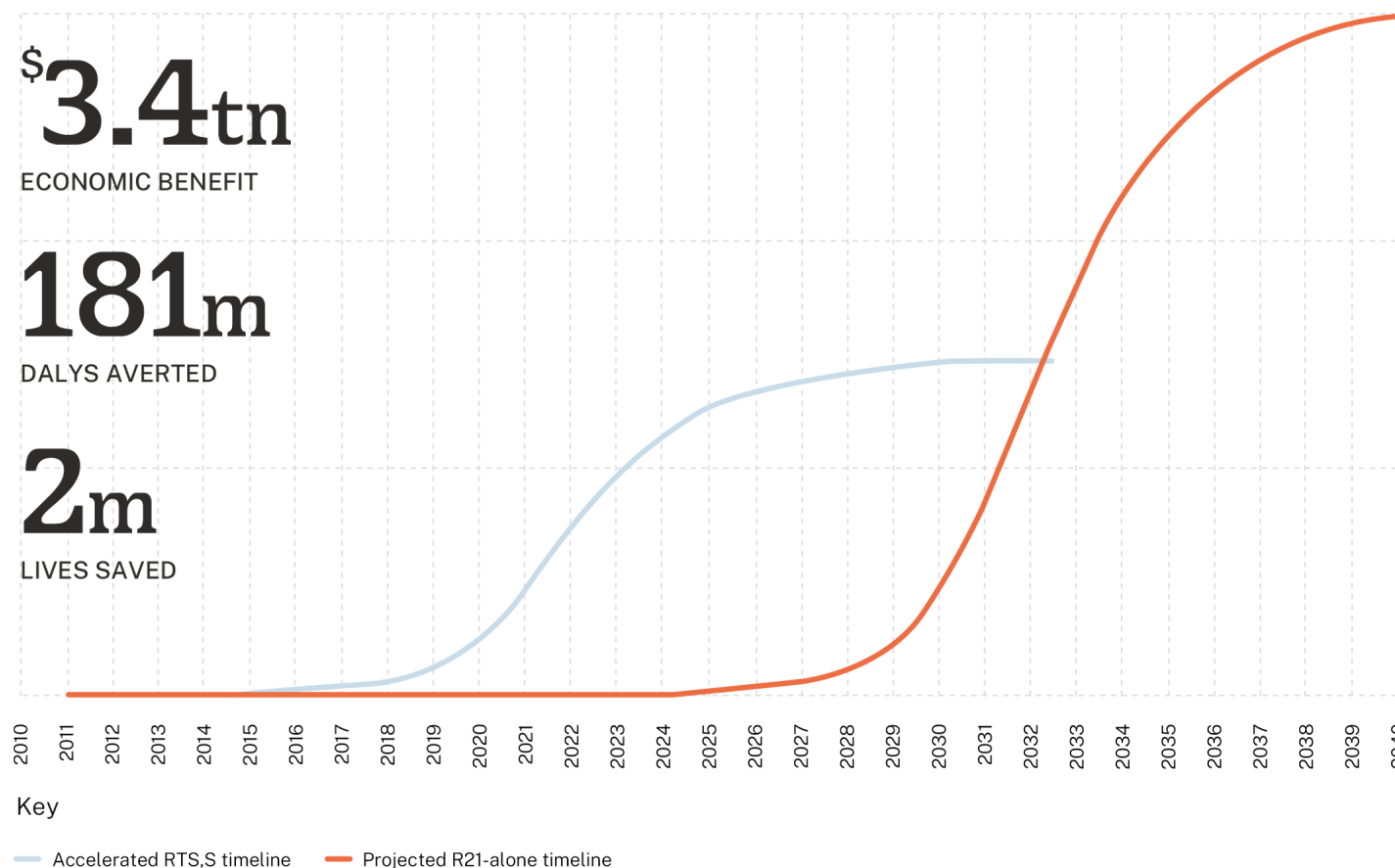






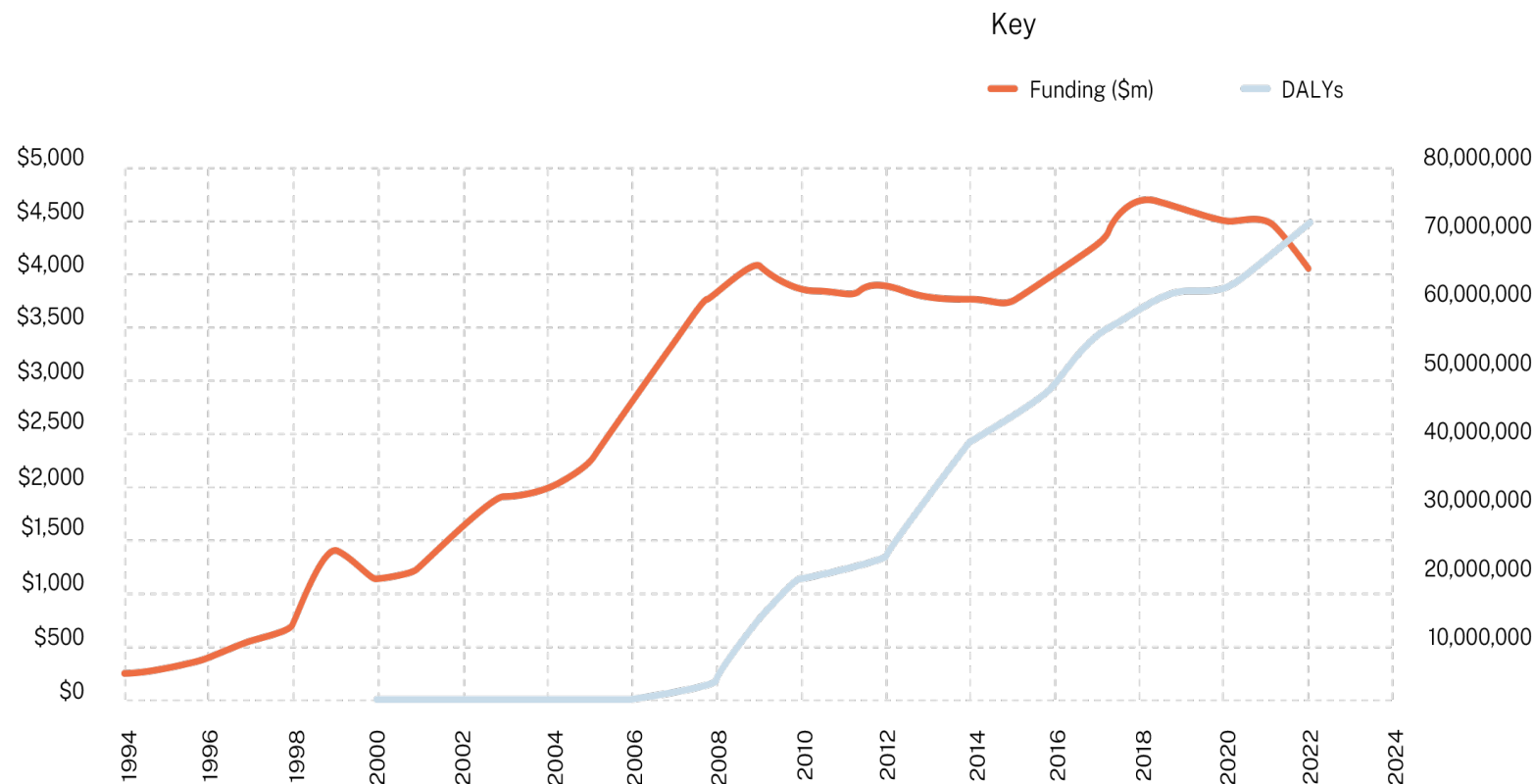
## Estimating the benefit of an accelerated introduction of RTS,S

If RTS,S had advanced as quickly from the start of Phase III trials to product introduction as did R21, this would have resulted in an estimated...





### Impact lags investment



**More than 70% of the expected health and economic impact of the last 20 years of investment is modelled to occur between now and 2040.**

If this benefit is to be realised, there must be sufficient ongoing investment in R&D to progress the pipeline and deliver the next generation of breakthrough global health products, as well as sufficient programmatic and health systems investment to scale up existing and new tools alike.



Where to from here?

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**Annual investment in  
vaccine R&D for global  
health**

**~\$1.5bn**

**Across neglected infectious diseases,  
emerging infectious diseases  
(excluding coronaviruses), and SRH**

*Based on latest full-year data from 2023; investment in  
coronavirus vaccine R&D in 2023 was (at least) an  
additional \$1.5bn*

**Percentage of this  
investment that comes  
from the US Government**

**59%**

**Share of all non-coronavirus  
vaccine R&D in 2023**





## ■ CHALLENGES AND THE FUTURE

What does the next 20 years of funding for vaccine R&D in global health look like?

Where is the funding going to come from, and what form will it take?



1. Lots of investment, and lots of progress that we can articulate the impact of (both realised, and to come in the future)
2. Further investment is going to be required to deliver this impact, and this is clearly under threat
3. Need to prepare for a future that doesn't look like the past, and be clear-eyed about what global health R&D (and global health) looks like in the future