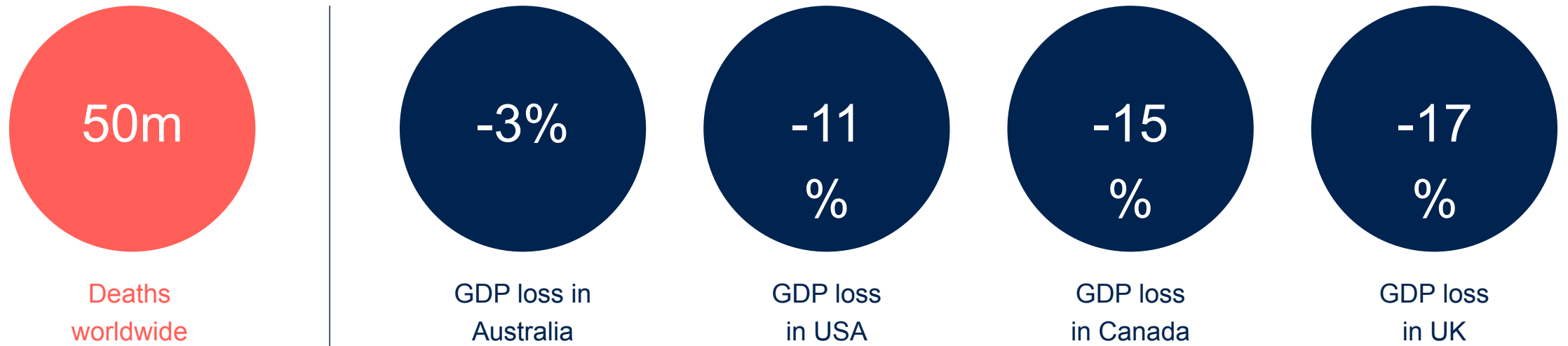


Historical Precedent: 1918 Spanish Flu Pandemic



Source: Yamey G et al, 2017

CEPI Origin Story - Global impact of epidemics: Ebola

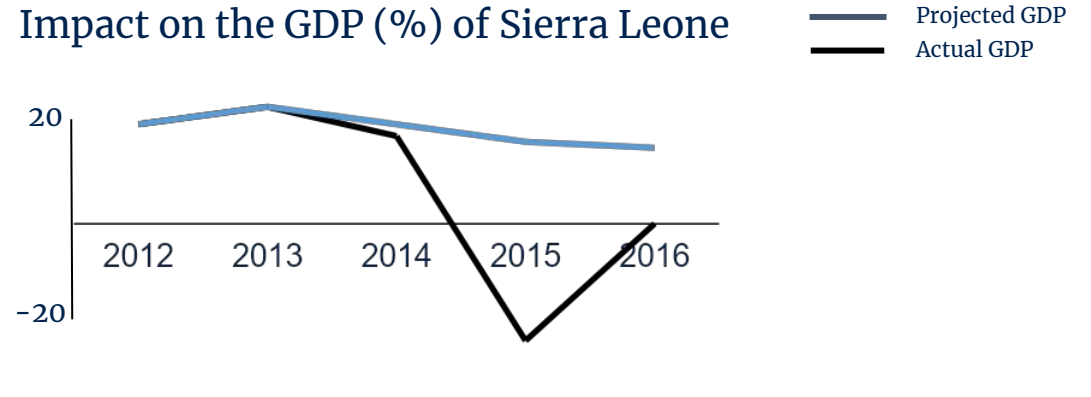


Deaths



Estimated negative economic impact of 2014 outbreak in west Africa (Huber C et al, 2018)

Impact on the GDP (%) of Sierra Leone



Impact on health systems

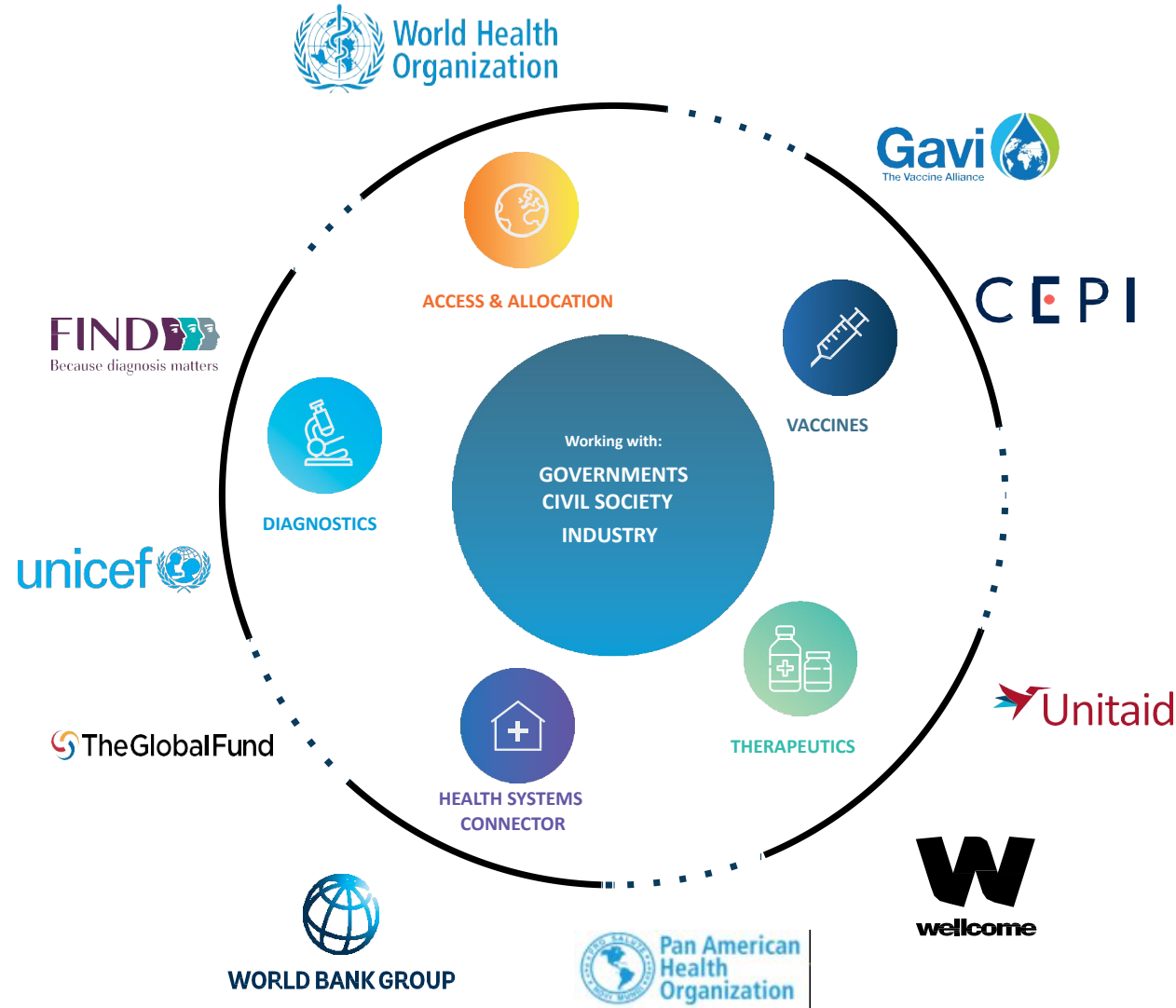
Most maternal and child health indicators significantly declined during Ebola outbreak.

Malaria morbidity and mortality in Ebola-affected countries caused by decreased health-care capacity.

And then came COVID-19

Access to COVID-19 Tools Accelerator (ACT-A)

April 2020



Comprehensive public health tool box

ACT-A addresses the need for Vaccines, Therapeutics, Diagnostics, and Health Systems, the full spectrum of products needed and services to beat the pandemic on a global scale

Reduces R&D risks

ACT-A works with the largest and most diverse R&D portfolio in the world

Mitigates operational risks

ACT-A co-conveners & their agencies are experts in implementing global public health

Unique global reach

ACT-A, by design, is the only mechanism that addresses global needs

COVAX is the Vaccines Pillar of the Access to COVID-19 Tools (ACT) Accelerator

4 Pillars of the Access to COVID-19 Tools Accelerator (ACT-A)

Vaccines (COVAX Pillar)

Development, scale-up, and delivery of the COVID-19 vaccine

2 billion doses to 92 AMC participants by early 2022



Therapeutics

Evidence and adoption of therapeutics for prophylaxis and treatment



Diagnostics

Innovation and global access to diagnostics



Health Systems Connector

Map the systems requirements for COVID-19 tool delivery by identifying in-country bottlenecks and capacity gaps



The aim of the COVAX Pillar is to accelerate the development and manufacture of COVID-19 vaccines, and to guarantee fair and equitable access for every country in the world

Vaccination Status – Mid-2022

- In 2021, WHO set the target for 70% global vaccination coverage by mid-2022.
- **As of June 2022**, only 58 of WHO's 194 Member States had reached the 70% target
- In low-income countries, only 37% of healthcare workers had received a complete course of primary vaccination.*
- LIC's vaccinated 14.1% of population / HIC's Vaccinated 73.8%**

6. Vaccination Status

A course is defined as a series of vaccine doses required to be fully vaccinated. For COVID-19 vaccines that require two shots, the number of courses is the number of vaccine doses divided by two. For COVID-19 vaccines that require only one shot, the number of courses is the number of vaccine doses.

By income group By Continent

Income group	Number of doses supplied (million)	Number of courses supplied per 100 people	Percent with at least one dose administered	Percent fully vaccinated	Population (million)
Low income	390.6	27.7	17.3%	14.1%	704.3
Lower middle income	4,543.7	75.8	59.3%	51.8%	2,995.4
Upper middle income	7,007.6	119.6	79.1%	73.9%	2,930.4
High income	3,211.2	129.0	78.6%	73.8%	1,244.6

Note: as of 31 May 2022

* [Vaccine equity \(who.int\)](https://www.who.int/news/item/20-04-2023-mrna-technology-transfer-programme-moves-to-the-next-phase-of-its-development)

** [IMF-WHO COVID-19 Vaccine Tracker](https://www.who.int/news/item/20-04-2023-mrna-technology-transfer-programme-moves-to-the-next-phase-of-its-development)

NOTE: As of March 2023, 69.7% of the global population had received at least one dose of a COVID-19 vaccine. Notably, this proportion still remains below 30% in low-income countries (LICs).

<https://www.who.int/news/item/20-04-2023-mrna-technology-transfer-programme-moves-to-the-next-phase-of-its-development>