

IMMUNISATION: THE GATEWAY TO HEALTH AND ECONOMIC DEVELOPMENT

- Immunisation landscape
- Return on investment
- Affording immunisation
- Cost of inaction
- Taking action

Dr. Seth Berkley,
CEO Gavi, the Vaccine Alliance
April 2016, UNECA meeting



IMMUNISATION: THE GATEWAY TO

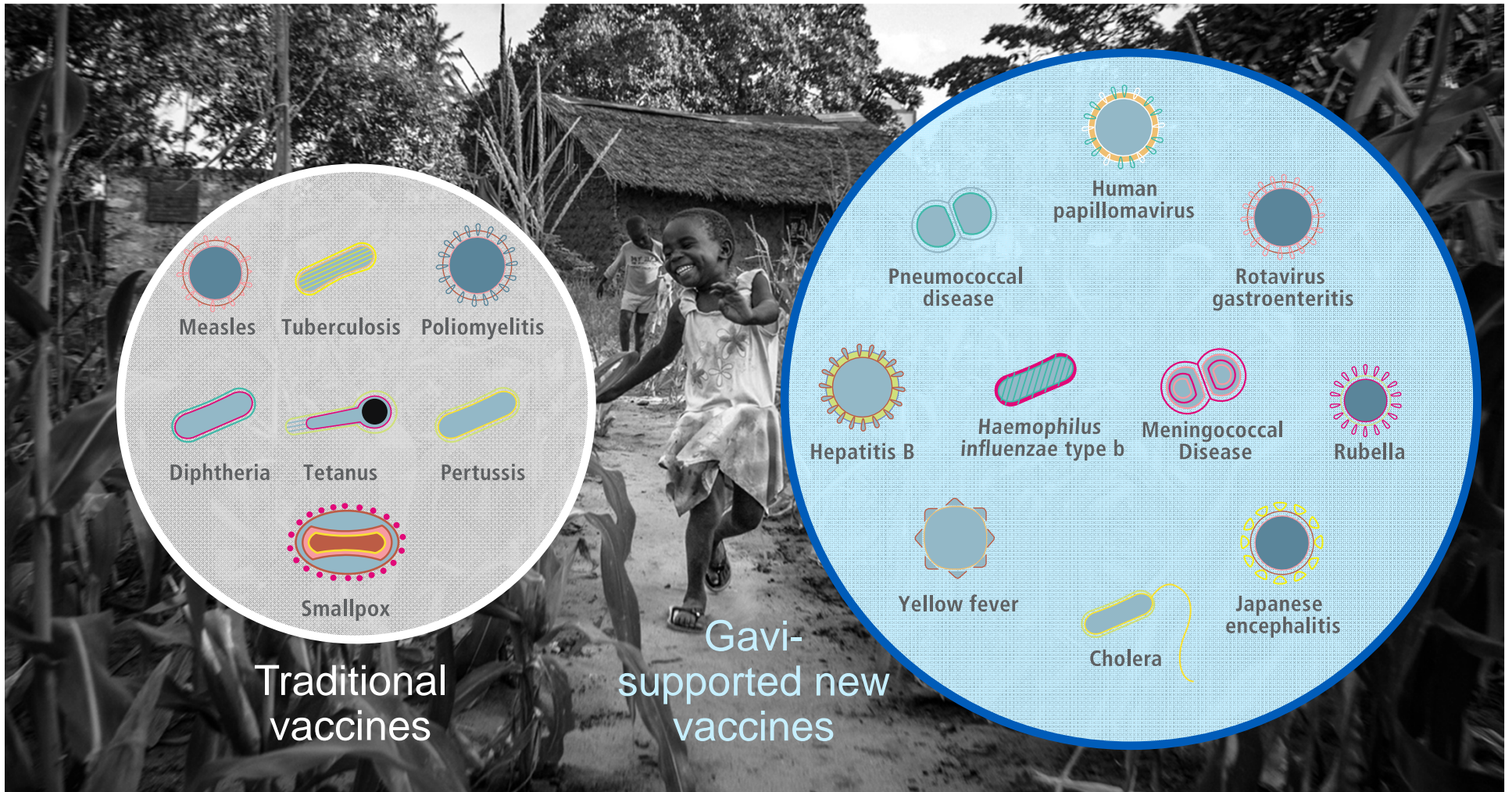
HEALTH & ECONOMIC

DEVELOPMENT

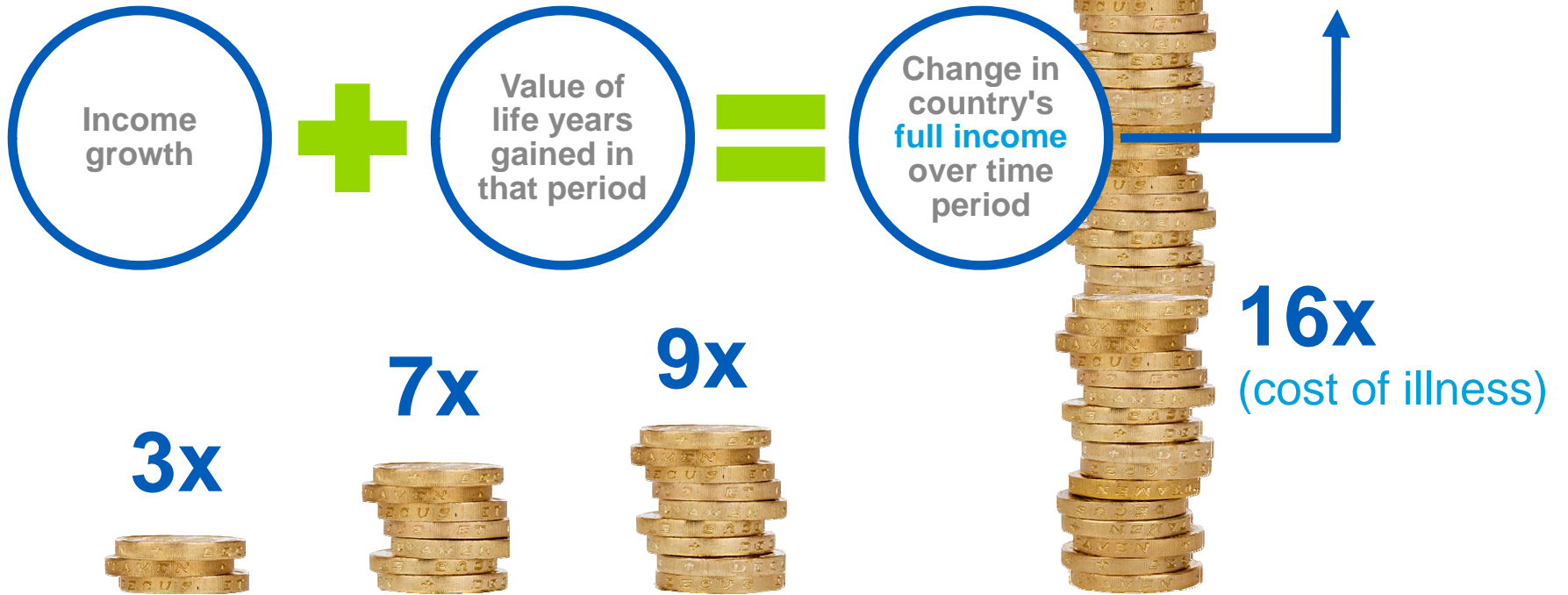
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IMMUNISATION LANDSCAPE



RETURN ON INVESTMENT



Public infrastructure

The Economic Benefits of Public Infrastructure Spending in Canada. The Centre for Spatial Economics, September 2015

Pre-school education

The rate of return to the HighScope Perry Preschool Program. Department of Economics, University of Chicago, April 2009

Community health workers

Strengthening primary health care through community health workers... Dessalegn H, Chambers R, Clinton C, Phumaphi J, Sirlleaf J, Evans T, et al. 2015

Immunisation

Return on investment from childhood immunizations in low- and middle-income countries, 2011-20. Health Affairs. 35(2):199-207. Ozawa S, Clark S, Portnoy A, Grewal S, Brenzel L, Walker D. 2016

BEHIND IMMUNISATION'S ROI



ONE VACCINE-PREVENTABLE DEATH EVERY TEN SECONDS

WHY?

- People in remote locations
- Inadequate monitoring
- Limited resources
- Competing health priorities
- Political will



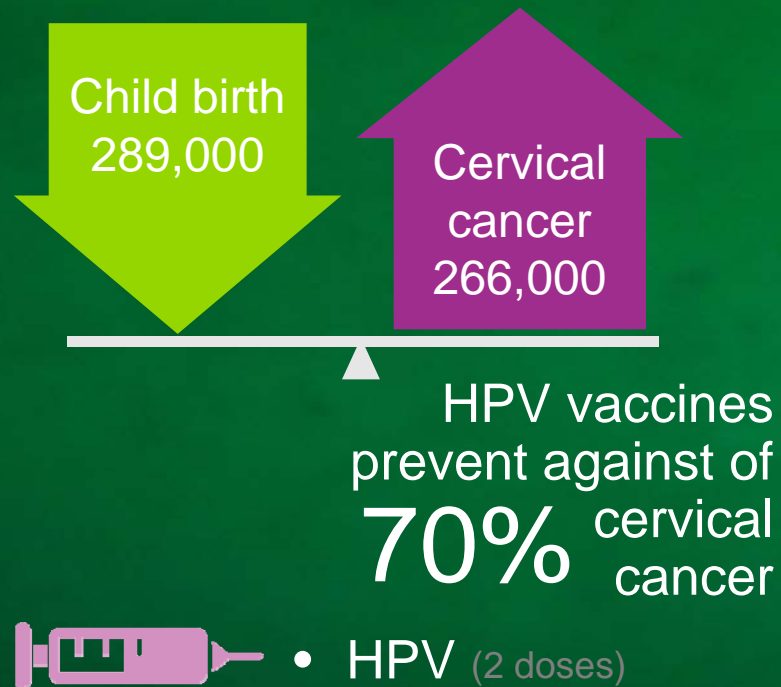
WHO RECOMMENDED ANTIGENS

- BCG (1 dose)
- DTP (3 doses)
- Hepatitis B (3 doses)
- Hib (3 doses)
- Pneumococcal (3 doses)
- Polio (OPV, 3 doses)
- Rotavirus (2 or 3 doses)
- Measles (2 doses)
- Rubella (1 dose with Measles)
- HPV (2 doses)

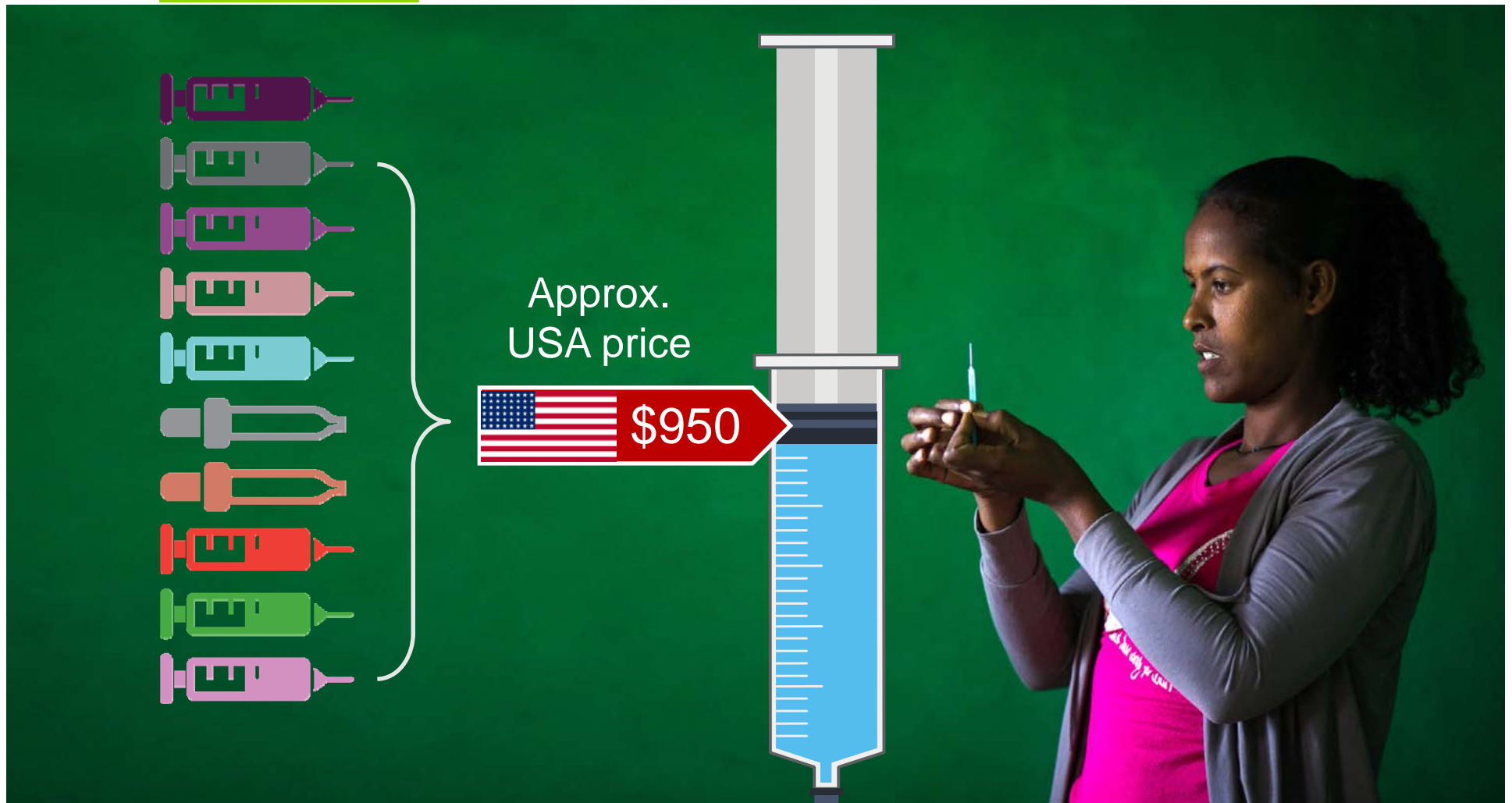


WHO RECOMMENDED ANTIGENS: HPV

Annual causes of death in women



VACCINE PORTFOLIO: COST



THE GAVI MODEL: AFFORDABILITY

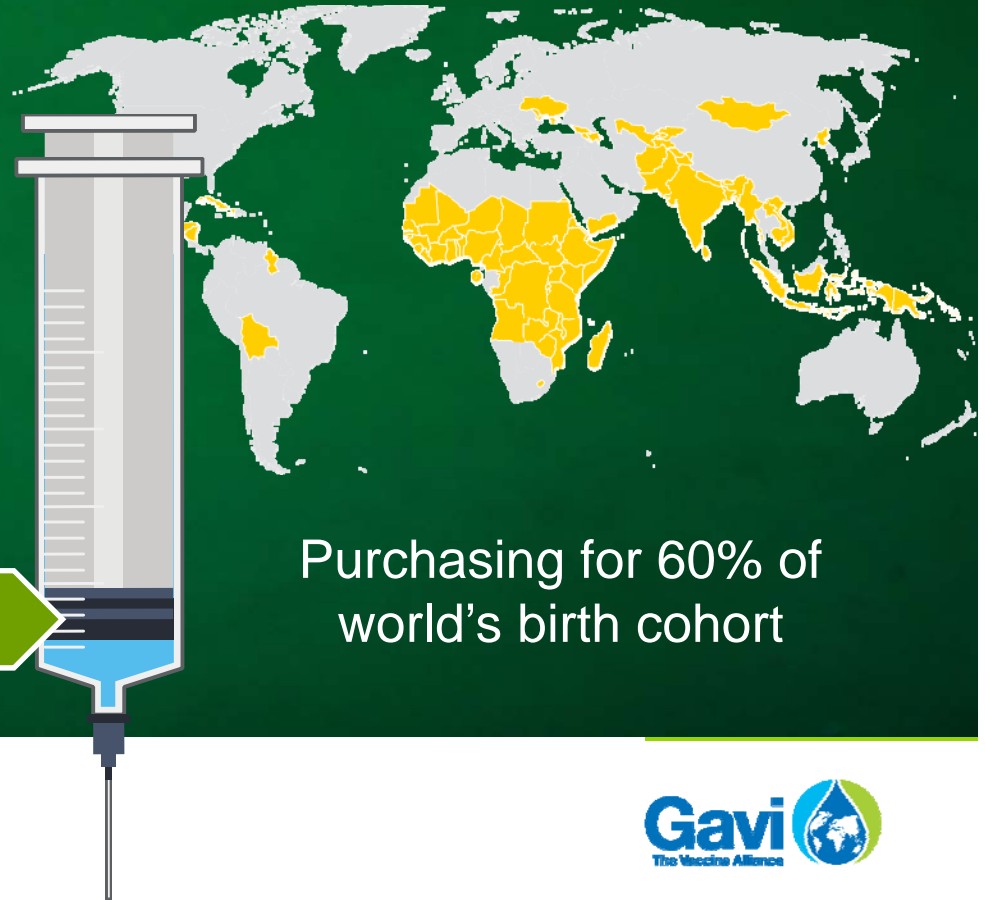


THE GAVI MODEL: CO-FINANCING

Co-financing vaccine purchase



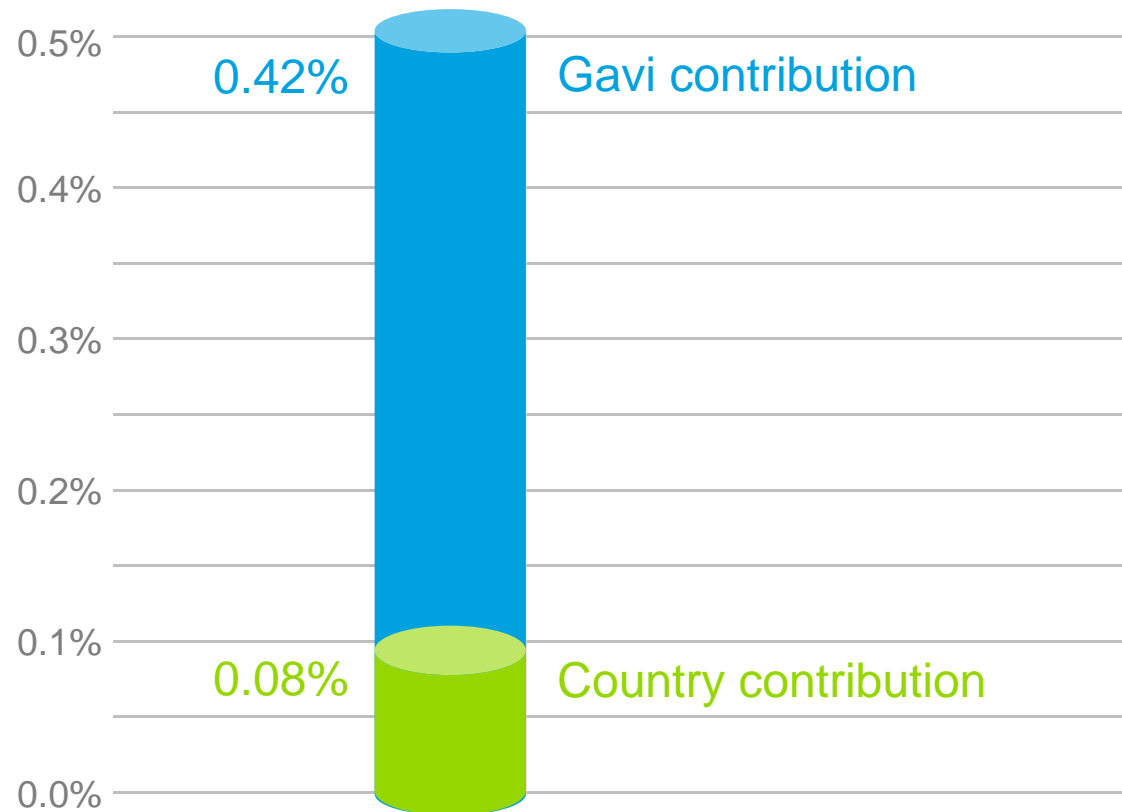
Gavi price



Purchasing for 60% of world's birth cohort

SHARING THE INVESTMENT

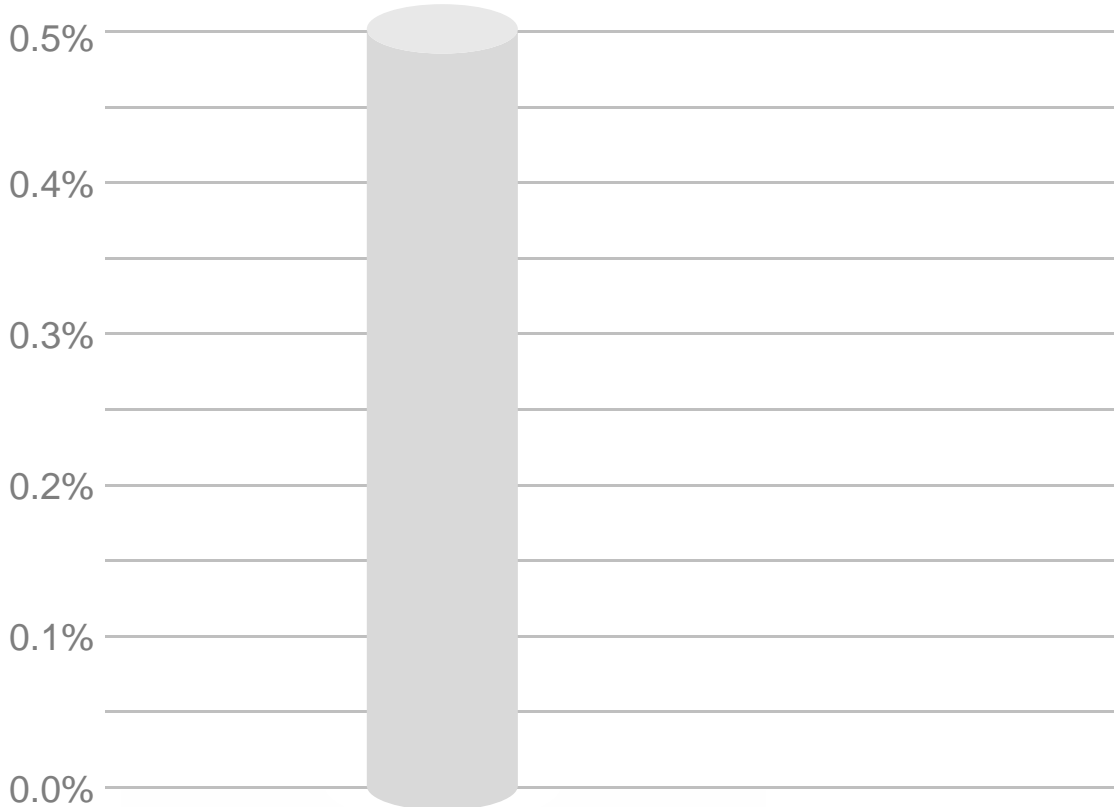
VACCINES
AS % OF GENERAL
GOVERNMENT
SPENDING



GNI < US \$1,000

SHARING THE INVESTMENT

VACCINES
AS % OF GENERAL
GOVERNMENT
SPENDING



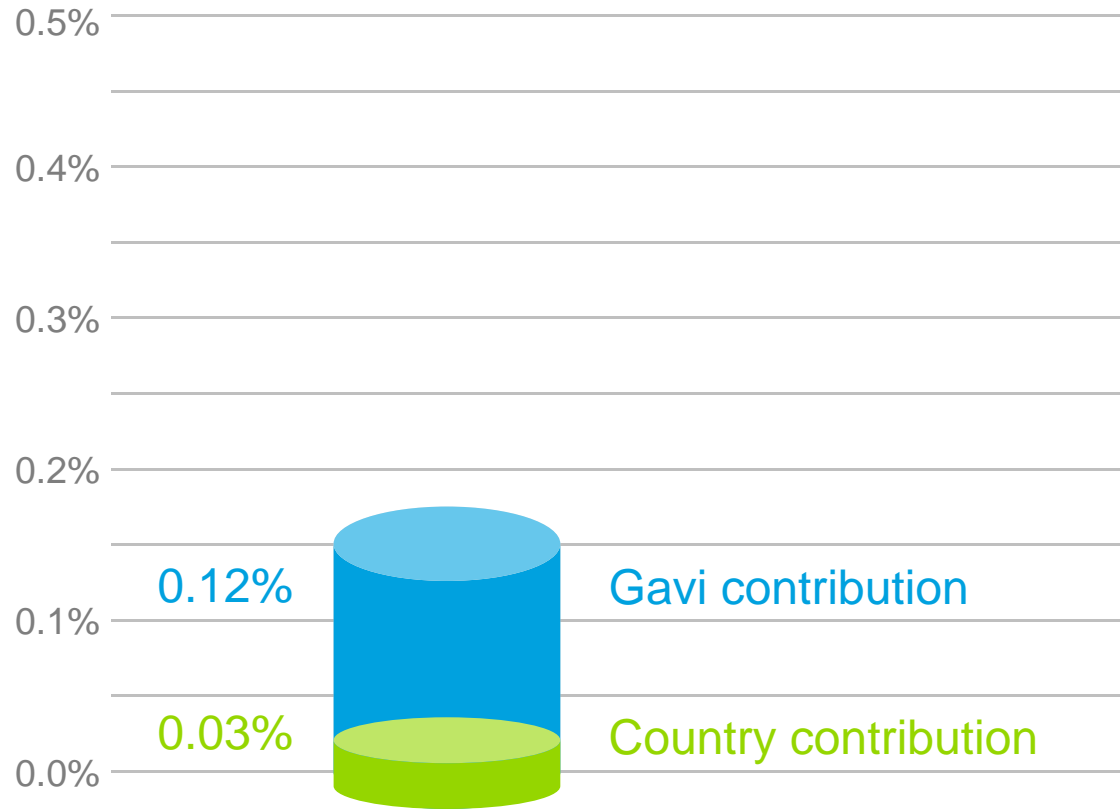
Gavi	0.42%		
Country	0.08%		
GNI	< \$1k		

GNI < US \$1,000 2,000

SHARING THE INVESTMENT

VACCINES
AS % OF GENERAL
GOVERNMENT
SPENDING

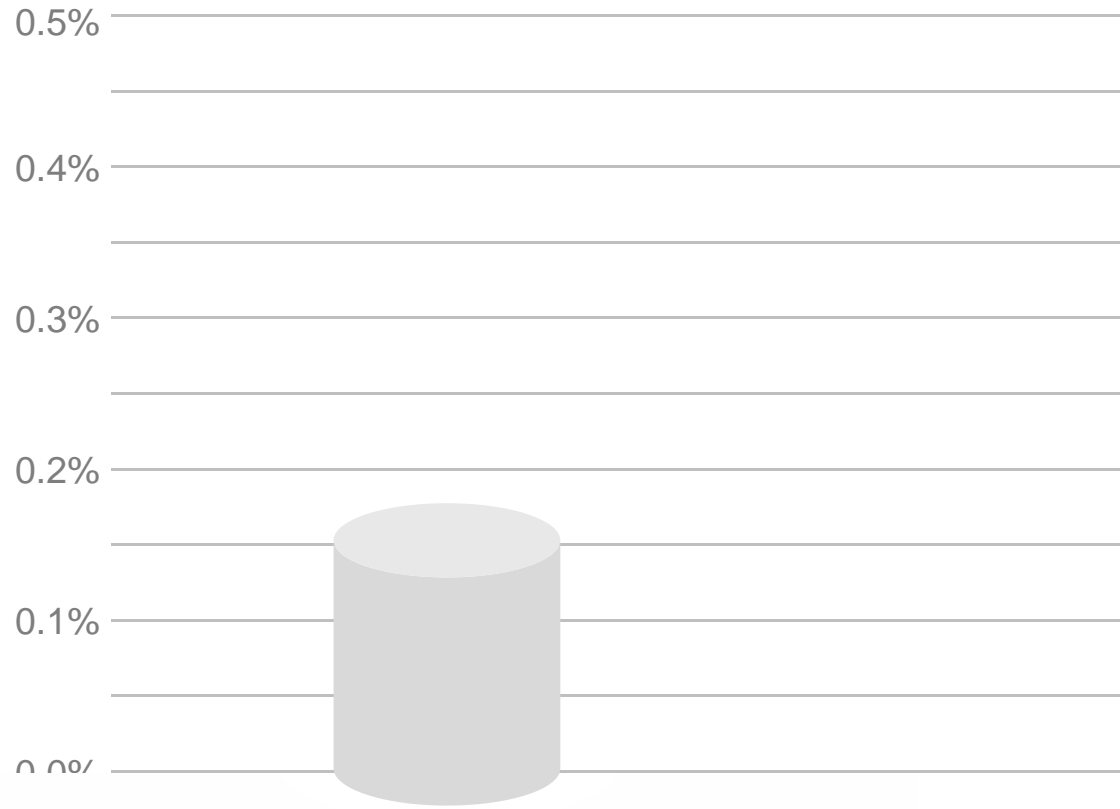
Gavi	0.42%	
Country	0.08%	
GNI	< \$1k	



GNI = US \$1,000-2,000

SHARING THE INVESTMENT

VACCINES
AS % OF GENERAL
GOVERNMENT
SPENDING

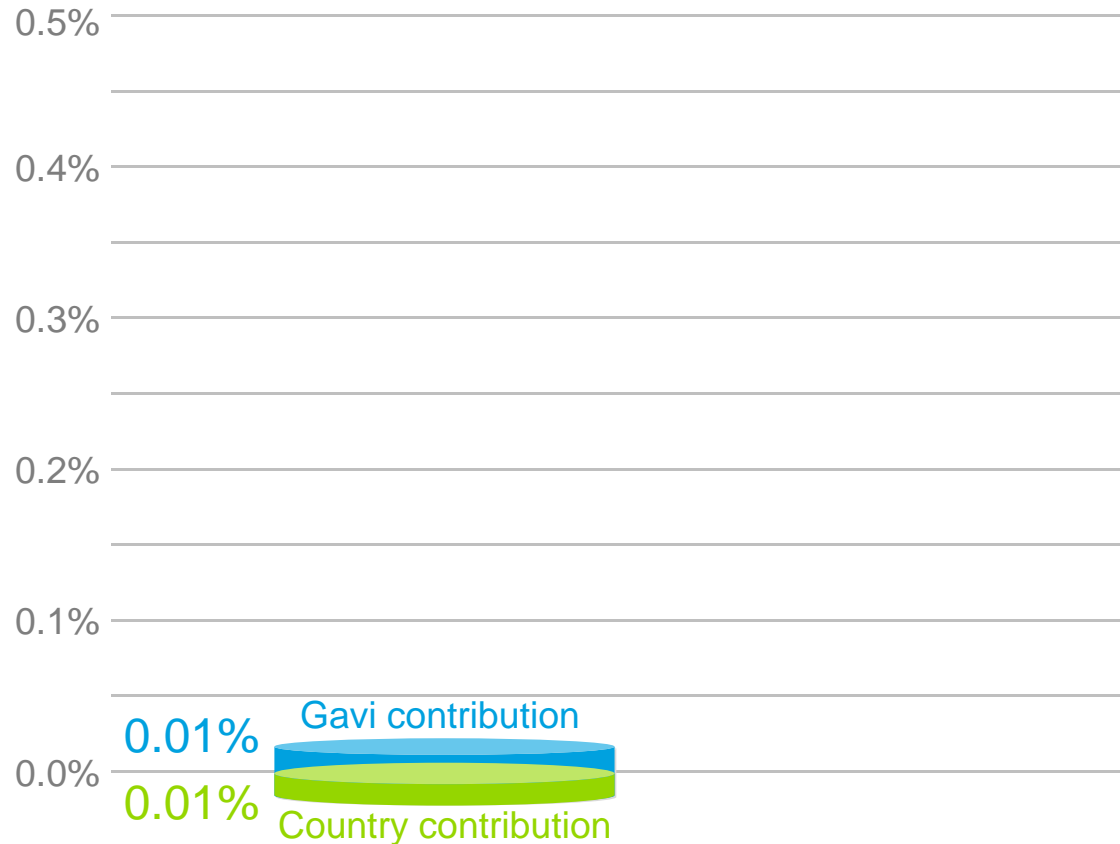


Gavi	0.42%	0.12%
Country	0.08%	0.03%
GNI	< \$1k	\$1-2k

GNI > US \$3,000 -2,000

SHARING THE INVESTMENT

VACCINES
AS % OF GENERAL
GOVERNMENT
SPENDING



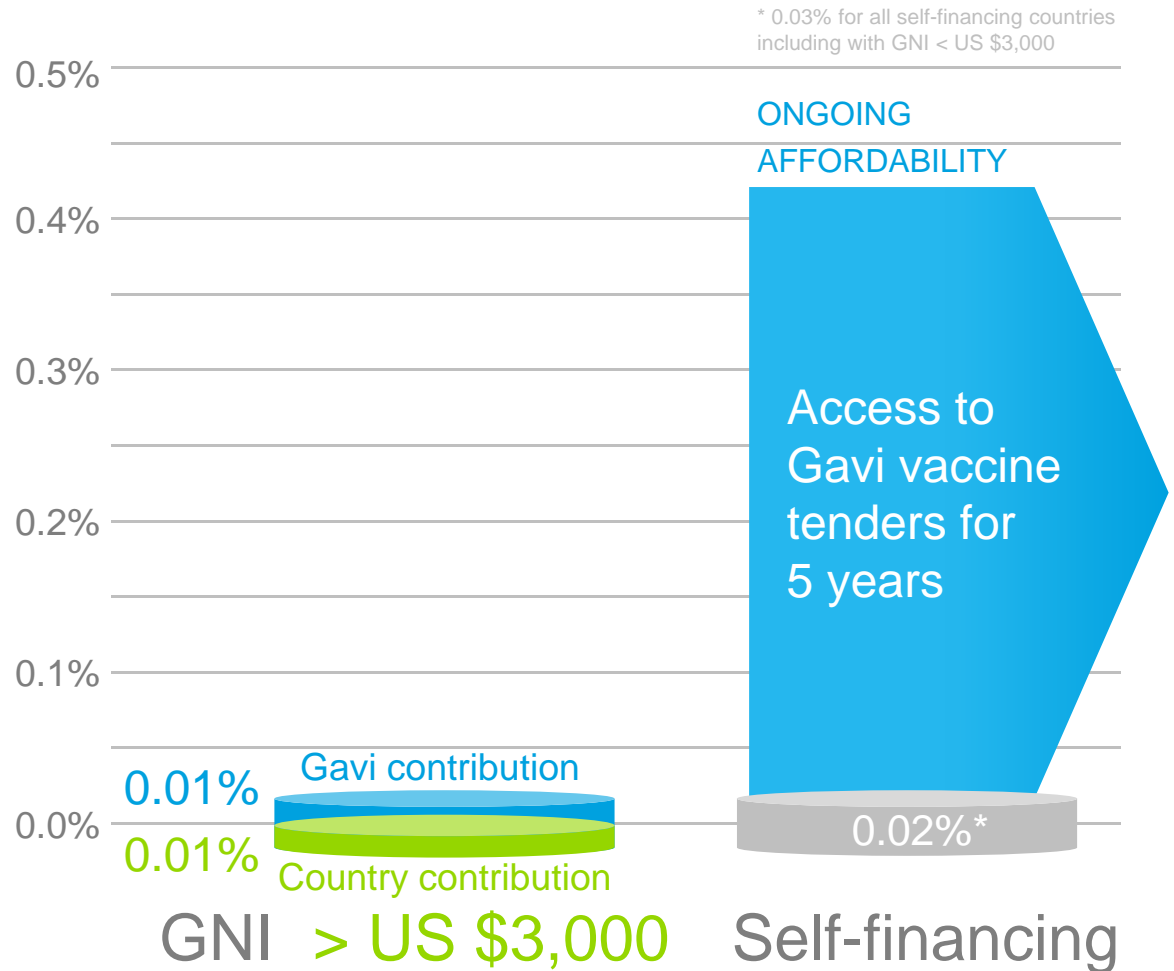
GNI > US \$3,000

Gavi	0.42%	0.12%
Country	0.08%	0.03%
GNI	< \$1k	\$1-2k

SHARING THE INVESTMENT

VACCINES
AS % OF GENERAL
GOVERNMENT
SPENDING

Gavi	0.42%	0.12%	0.01%
Country	0.08%	0.03%	0.01%
GNI	< \$1k	\$1-2k	> \$3k



17 Note: Vaccines for routine immunisation only. Cuba, Djibouti, India, DPR Korea, Somalia and Zimbabwe excluded from analysis. Sources: World Bank GNI pc data as published 1 July 2015, IMF, WHO National Health Accounts/Gavi Adjusted Demand Forecast v12



THE COST OF INACTION

SARS

\$50 billion

Estimated damage to the
global economy 2003

Ebola
\$2.2 billion

Estimated GDP
losses for Guinea,
Liberia & Sierra
Leone in 2015



Sources:

SARS: The Economist, Aug 2014

EBOLA: WHO Pandemic Emergency Facility: FAQ, Jan 2016

GLOBAL HEALTH SECURITY



Detect



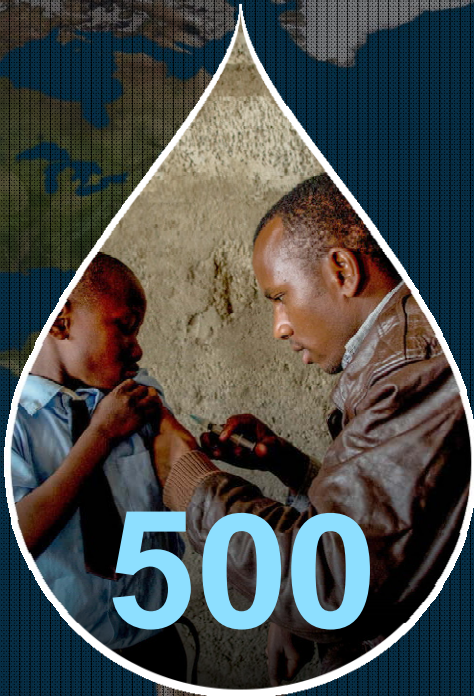
Prevent



Respond



GAVI SUPPORT BRINGS SUCCESS



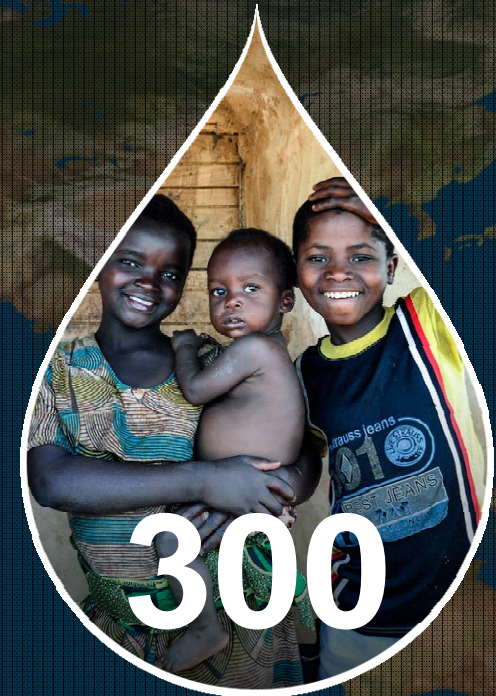
500

**million children
immunised**



7

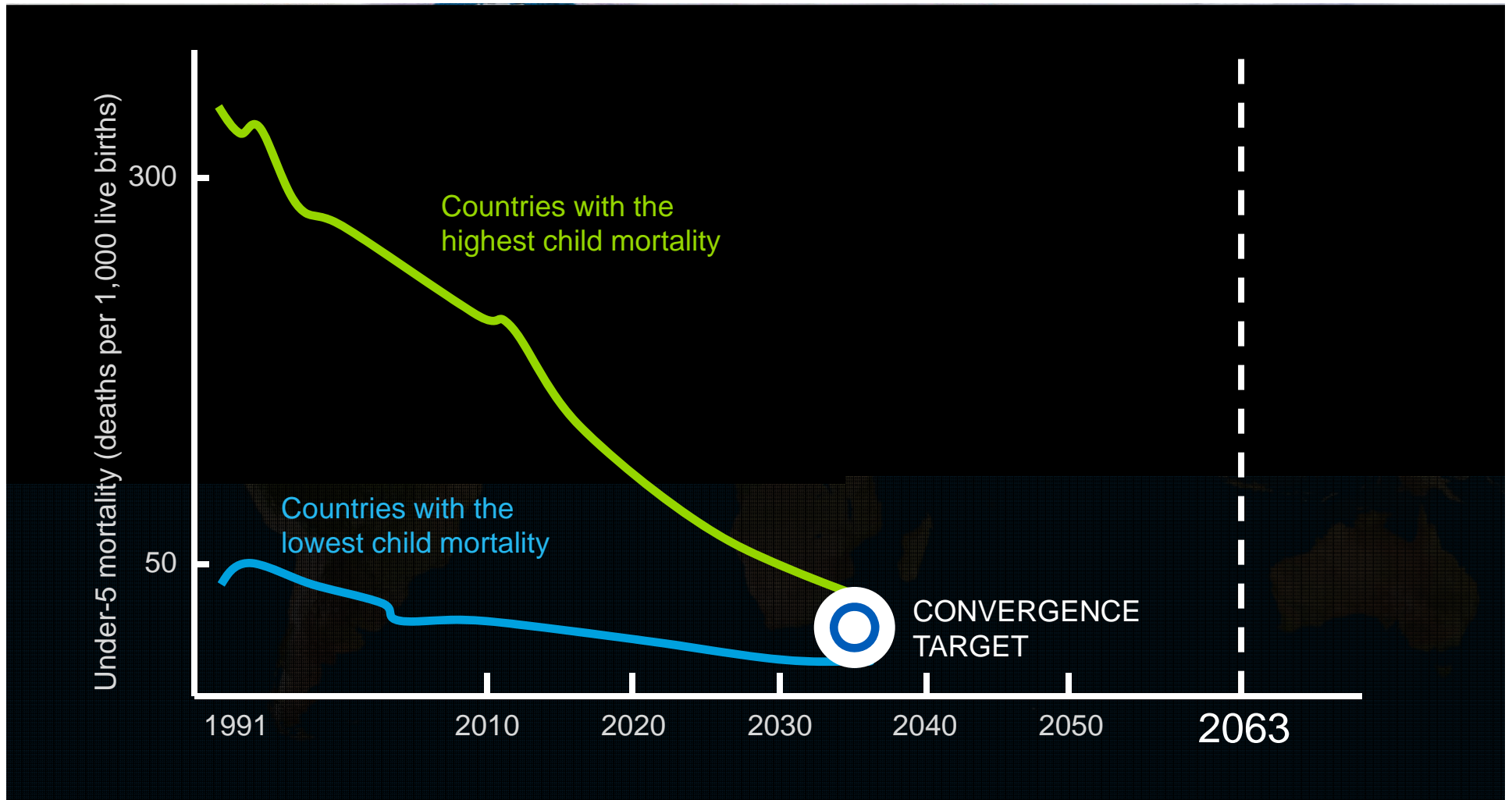
**million future
deaths averted**



300

**vaccine
introductions
& campaigns**

GRAND HEALTH CONVERGENCE



TAKING ACTION

1. **Prioritise** investment in immunisation
2. Ensure vaccine line-item in **health budgets**
3. **Focus on equity** by investing in health to fully immunise every child
4. **Act now** to achieve the 2030 SDG's and be on track for Agenda 2063
5. Become an immunisation **champion**

