

CEO Board Update

Seth Berkley, MD

28 November 2018, Geneva, Switzerland



KEY DEVELOPMENTS IN OUR GLOBAL LANDSCAPE



Board meeting
28-29 November 2018

Welcome to the Global Health Campus; a space for collaboration



Board meeting
28-29 November 2018



Collaboration is the essence of how we work

- further expansion of Gavi partners

5 core Alliance partners

72 implementing country governments

53 donors (26 Sovereign)

17 vaccine manufacturers*

>70 expanded partners & CSOs**

50 private sector partners

> 10 research agencies



*2017 data ** funded under PEF

Board meeting
28-29 November 2018

Continued realignment of global health

Growing multisectorality

Refugee Summit & Compact
 Climate change
 UHC & Emergencies call for action
 Fragility
 Global Health Security



UNGA

Enhanced collaboration

11 organisations launch
 Global Action Plan for
 Healthy Lives and Well-being
 for All to help accelerate
 progress towards health
 SDGs



WORLD
 HEALTH
 SUMMIT

World Health
 Summit

Renewed focus on primary health care

Global community recommits
 to primary healthcare as the
 foundation for UHC.
 Immunisation recognised as
 fundamental



Astana
 Declaration



A roadmap to strengthen collaboration in global health and accelerate progress towards health SDGs

Agreed:

✓ **Common midpoint milestones**

✓ **Mapping roles**

✓ **7 accelerators**

1. Sustainable financing
2. Frontline health systems
3. Community and civil society engagement
4. Determinants of health
5. R&D, innovation and access
6. Data and digital health
7. Innovative programming in fragile and vulnerable states and for disease outbreak responses

The role of primary health care in achieving the health related SDGs

THE LANCET

After Astana: building the economic case for increased investment in primary health care

'...strengthening PHC is the most inclusive, effective and efficient approach...

.....PHC is a cornerstone of a sustainable health system for UHC and health-related SDGs' November, 2018

The Lancet Commissions



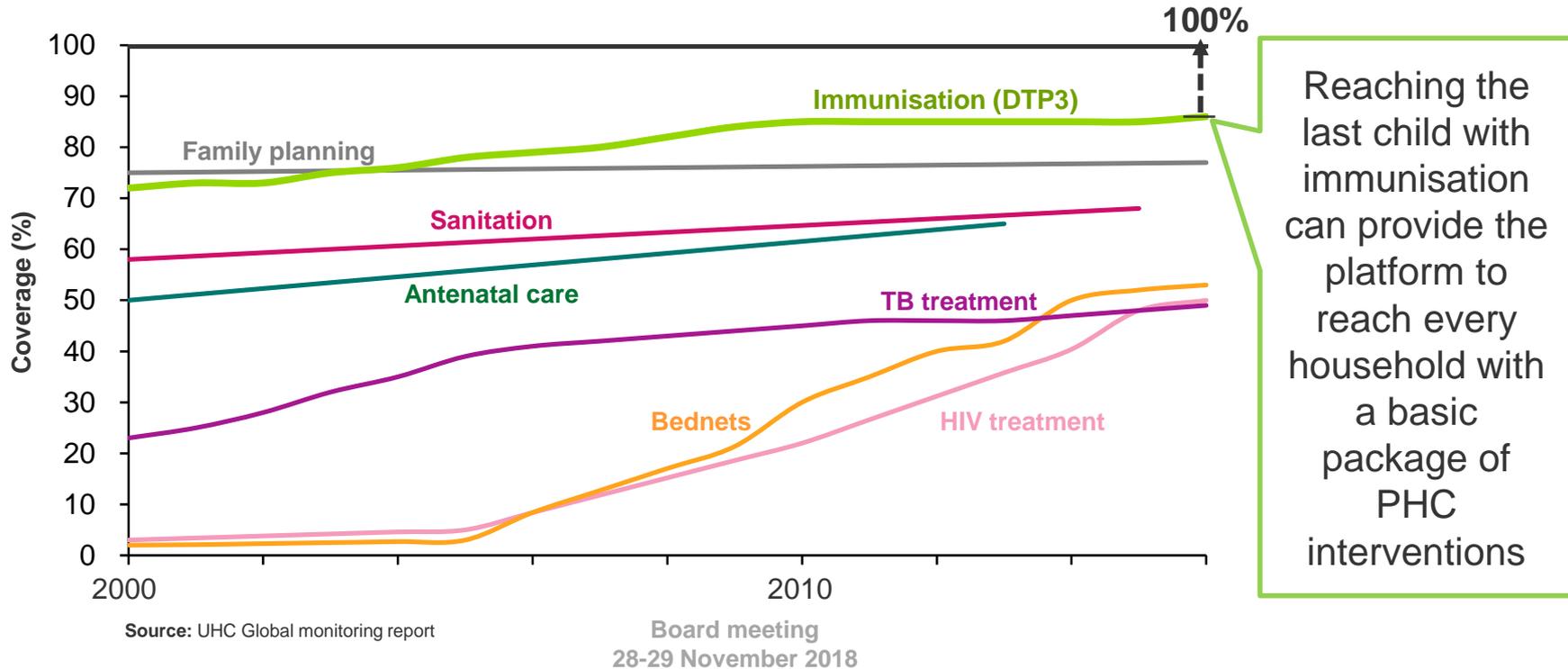
Alma-Ata at 40 years: reflections from the Lancet Commission on Investing in Health

David A Watkins*, Gavin Yamey*, Marco Schäferhoff, Olusoji Adeyi, George Alleyne, Ala Alwan, Seth Berkley, Richard Feachem, Julio Frenk, Gargee Ghosh, Sue J Goldie, Yan Guo, Sanjeev Gupta, Felicia Knaul, Margaret Kruk, Rachel Nugent, Osondu Ogbuaji, Jinyuan Qi, Srinath Reddy,

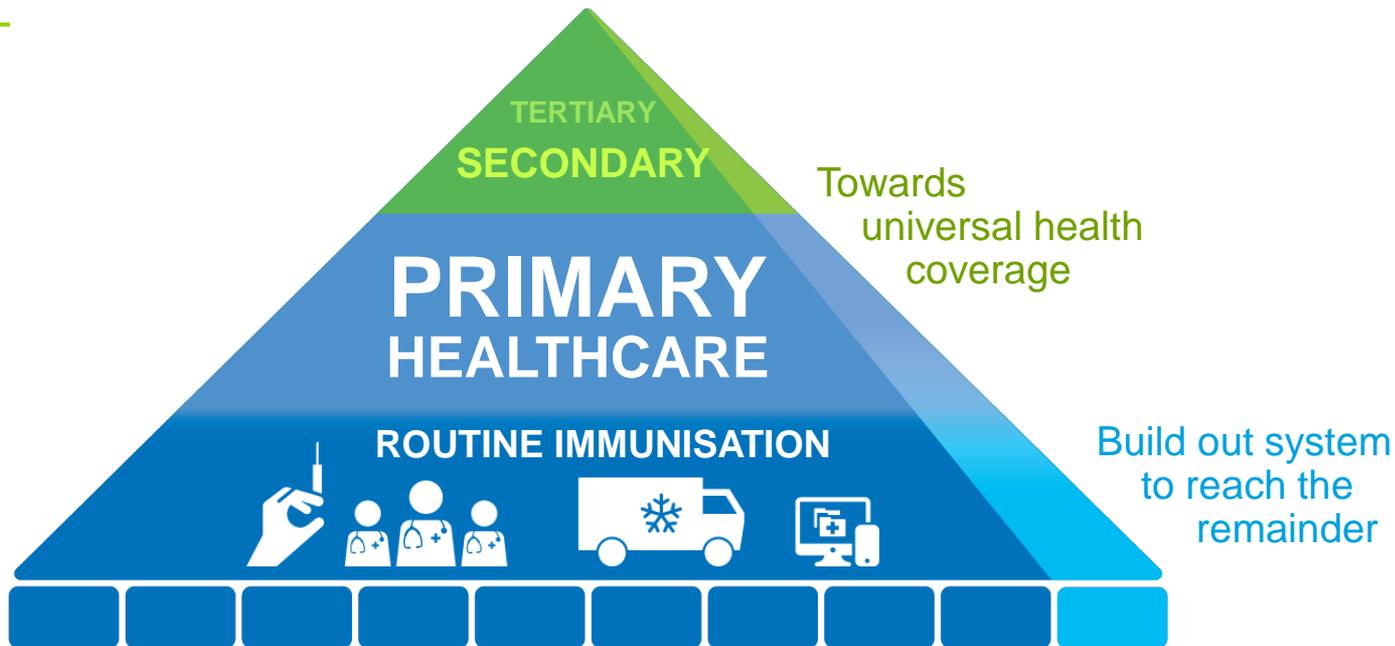
'...of 200 essential health packages, 90% can be delivered through PHC' October, 2018

Immunisation - highest coverage of key health interventions

Global coverage of UHC tracer indicators for health interventions



Within PHC, the wider benefit of immunisation



Children reached through **routine immunisation** worldwide (DTP1)

90% | 10%

Human Capital Index

New tool to help Governments understand impact of investments on long-term economic development?

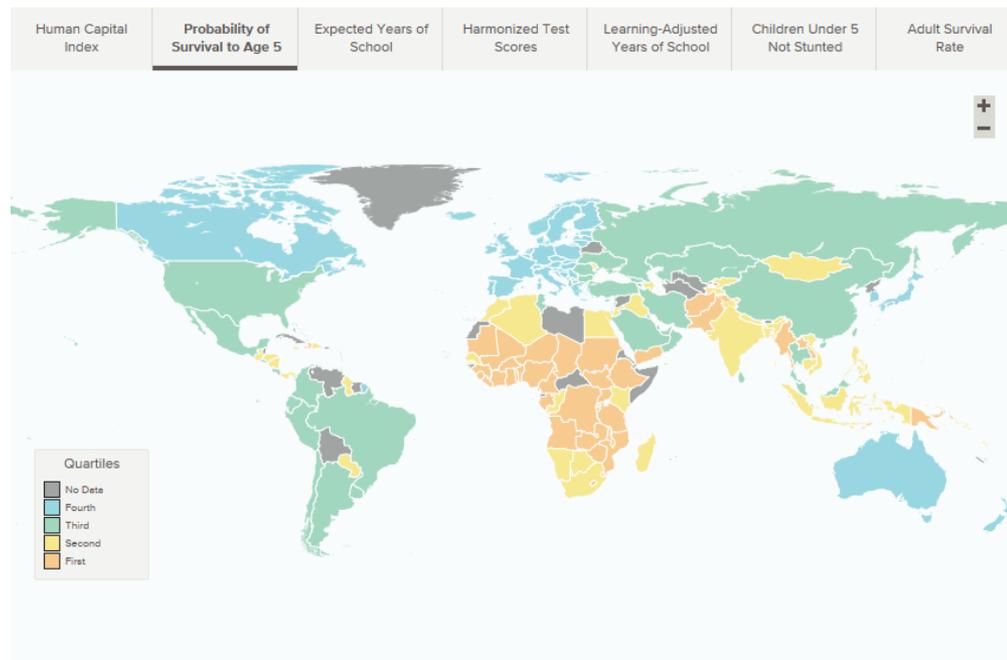
Country Ranking

Country	Ranking
Singapore	1
UK	15
Switzerland	20
USA	24
Vietnam	48
Indonesia	87
Kenya	94
India	115
Afghanistan	133
Pakistan	134
Ethiopia	135
Uganda	137
Congo DR	146
Nigeria	152
Chad	157

Highest Gavi country

PEF Tier 1 countries

Lowest Gavi country



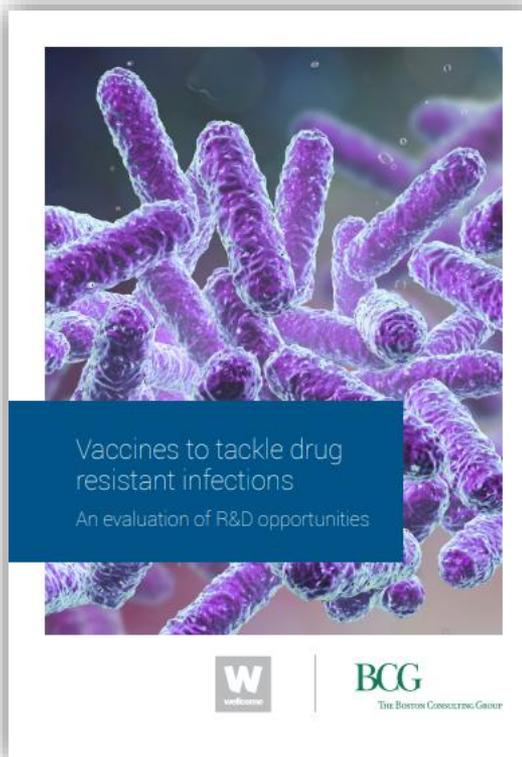
Probability of Survival to Age 5, for Girls and Boys, Worldwide



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The role of vaccines in preventing AMR is gaining traction

'...bringing additional, and more effective, vaccines to market could have a huge impact on AMR. Vaccines already play a critical role, with an impressive track-record of reducing AMR'



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Vaccine news – the big 3

TB

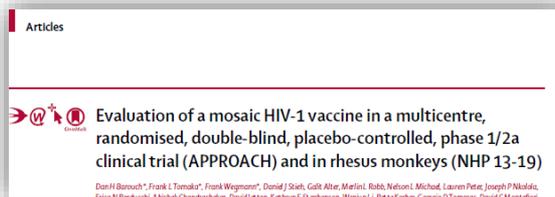
- ~10m new cases/yr ~25% world's population infected
- Phase IIb clinical trial result of M72/ASO1; 54% protection in latent TB: 2 recombinant fusion proteins and GSK adjuvant.
- Multidrug-resistant TB remains a public health crisis & GHS threat

HIV

- ~ 2m new cases/yr
- 2 vaccines in efficacy trials, data 2020/2021:
 - Ad26 (Mosaic)/GP140
 - ALVAC-HIV/GP120

Malaria

- >200m cases/yr
- RTS,S vaccine implementation pilots to begin in Q1-Q2 2019 in Ghana followed by Kenya, Malawi

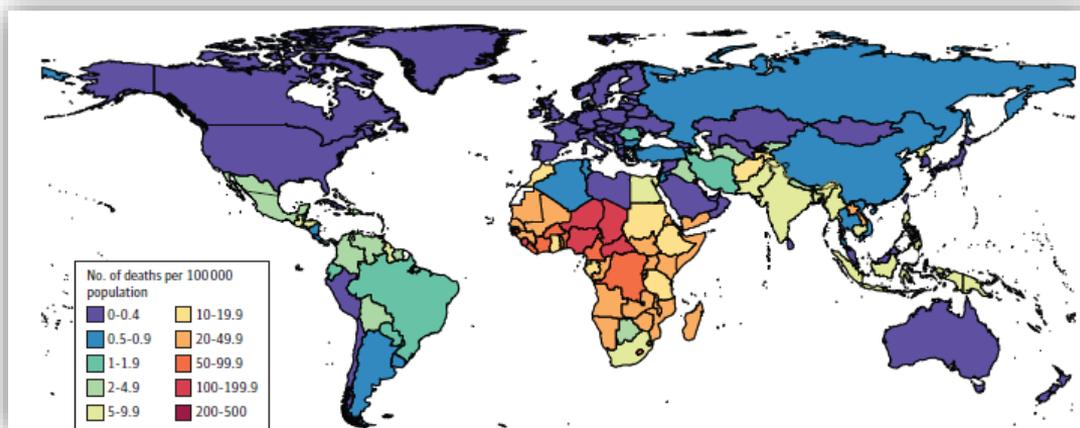


Lancet Vol 392 July 21, 2018

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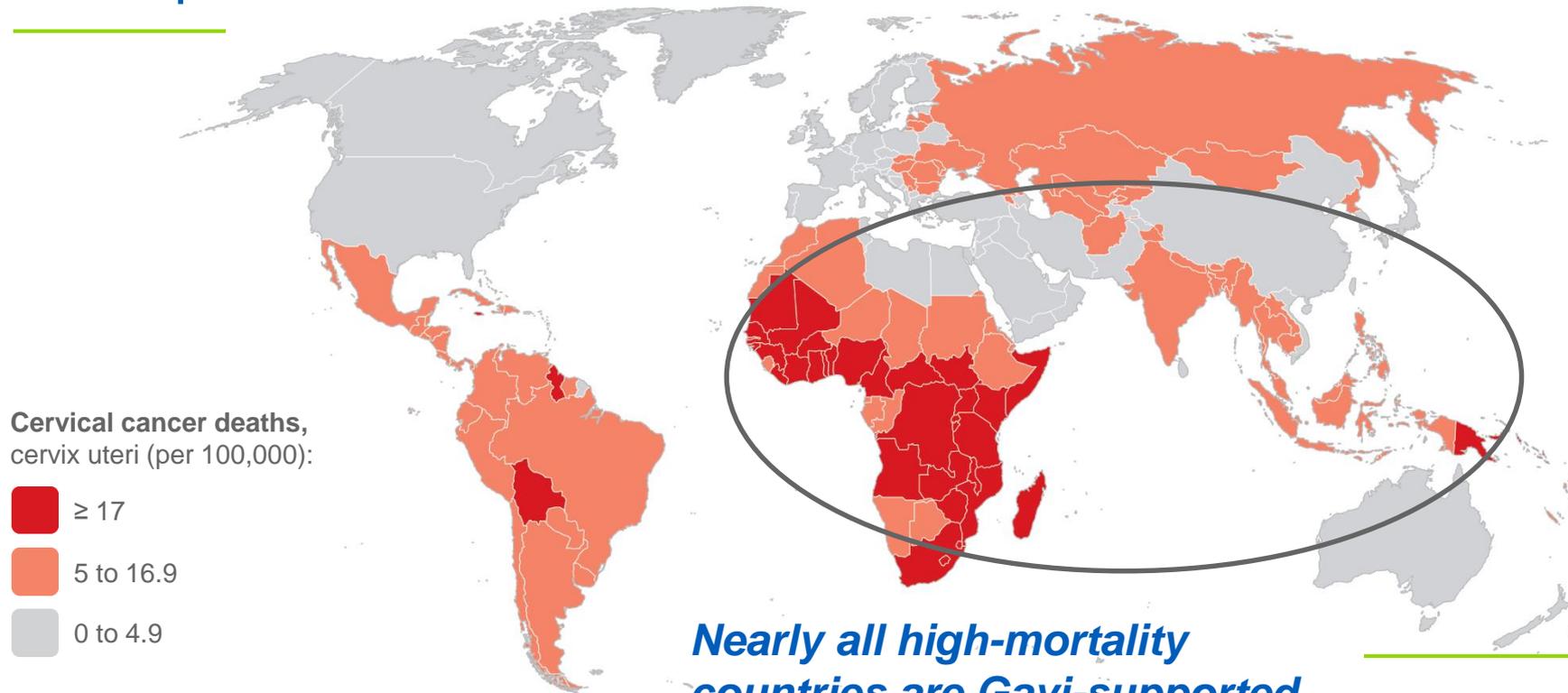
Disruptions to rotavirus vaccine supply

- Major supplier (currently 90% of Gavi volume) – problem with manufacturing
- Minor supplier – unexpected reduction of supply; withdrawal from Gavi market
- Two new prequalified suppliers
- Central level stockout in some countries, no programme interruptions expected but delay for new launches



Geographic distribution of Rotavirus-associated mortality rates among children <5
2016 data
JAMA Pediatrics. 2018;172(10):958-965

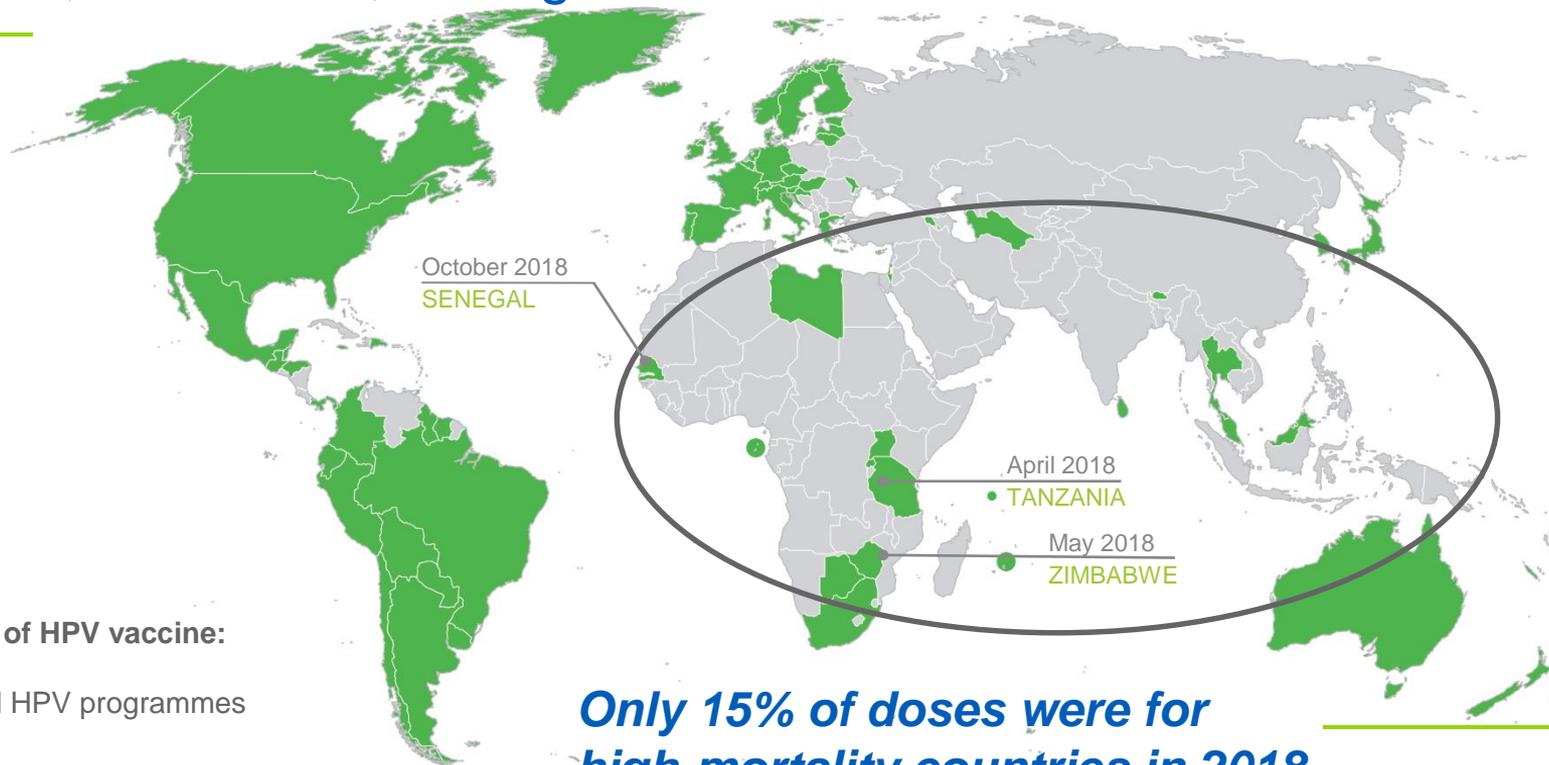
Most cervical cancer deaths are in poor countries



Sources: GLOBOCAN 2016, peer-reviewed literature, press releases and ministries of health. Slide updated 23 November 2018.

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Most recent Gavi countries to have introduced: Tanzania, Zimbabwe, Senegal



Introduction of HPV vaccine:

 National HPV programmes

**Only 15% of doses were for
high-mortality countries in 2018**

Sources: IVB database as at 10 October 2018,
Gavi partner estimates, October 2018; SAGE meeting October 2018

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Acceleration in Gavi countries approved for HPV support

- 30% of Gavi countries approved for national roll-out – will reach 25M girls in first year of routine introduction and multi-age cohort
- Supply should improve in 2019 (from 6m to 20m doses)
- Potential new supply pressures:
 - New recommendations for expanded age ranges/use
 - Commitment to Cervical cancer elimination, May 2018; modelling suggests will take at least 67-87 years globally



Brazil latest IFFIm donor – funding to 2038



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The Road to Replenishment



2015
Gavi
Pledging
Conference



5-6 Nov. 2018
GFF Replenishment 

US\$ 1.05 of US\$ 2bn target

*Discussion with countries & partners
about the importance of domestic RM*



9-11 Dec. 2018
Gavi Mid-Term
Review

Nov. 2018
VIS Strategy/Gavi 5.0



Mid-2019
Gavi Strategy



Mid-2019
Gavi Investment case



2019

IDA Replenishment



Sept. 2019
UNGA
(Global Action Plan/
UHC2030)



Oct. 2019
GFATM
Replenishment



2020
Gavi replenishment
(date TBC)



MTR report; full details of our mid term reporting

Gavi
The Vaccine Alliance

2016-2020
Mid-Term Review Report
Published January 2016

Report contents

- Welcome message from the Mid-Term Review host
- Foreword by the Gavi Board Chair
- Dive deeper into the 2016-2020 Investment Opportunity goals
- Increasing 300 million more children
- Increasing co-financing and transition
- Ensuring healthy vaccine markets
- Investment's wider impact on development
- Reaching beyond our goals
- Future
- Appendix

Key progress towards our 2020 targets*

- Prevent 5-6m vaccine deaths
- 16 20
- 100% 100%
- US\$ 17
- 3 6
- US\$ 50-billion in co-financing

Commitments established for 2016-2020

TOTAL DONOR CONTRIBUTIONS AND PLEDGES, 2016-2020

US\$ 9.2 billion

= 90% OF ALL PLEDGES HAVE BEEN SECURED

Country	US\$ million	US\$ million
Spain	1,000,000	1,000,000
Japan	1,000,000	1,000,000
Germany	1,000,000	1,000,000
United Kingdom	1,000,000	1,000,000
France	1,000,000	1,000,000
Italy	1,000,000	1,000,000
Canada	1,000,000	1,000,000
USA	1,000,000	1,000,000
Other	1,000,000	1,000,000
Total	10,000,000	9,200,000

PDF Timestamp: Fri 16 Nov 18 @ 11:59 CET

Page 30 of 30, view 5 of 6 slides

Figure 2: Status of forecasted costs and projected future deaths averted, by vaccine*

Vaccine	Investment US\$ million		Number vaccinated (million)		Deaths averted	
	2016-2020	2016-2027	2016-2020	2016-2027	2016-2020	2016-2027
Polio	2,248	1,882	146	67	1,100,000	1,100,000
Measles	1,294	178	304	136	1,300,000	1,300,000
Rotavirus	905	223	140	40	1,200,000	1,200,000
Human papillomavirus (HPV)	347	21	10	1	1,000,000	1,000,000
Healthy 2* and Healthy3**	343	196	113	104	1,200,000	1,200,000
Yellow fever	286	11	110	11	1,000,000	1,000,000
Typhoid	281	1	84	1	1,200,000	1,200,000
Diphtheria	189	62	62	1	1,000,000	1,000,000
Measles and	188	14	104	10	1,000,000	1,000,000
Expanded tetanus	132	8	74	37	1,000,000	1,000,000
Total	US\$ 6.6B*	US\$ 3.5B**	US\$ 1.5B*	US\$ 2.0B**	14.4 million*	14.4 million**

TAILORED APPROACH

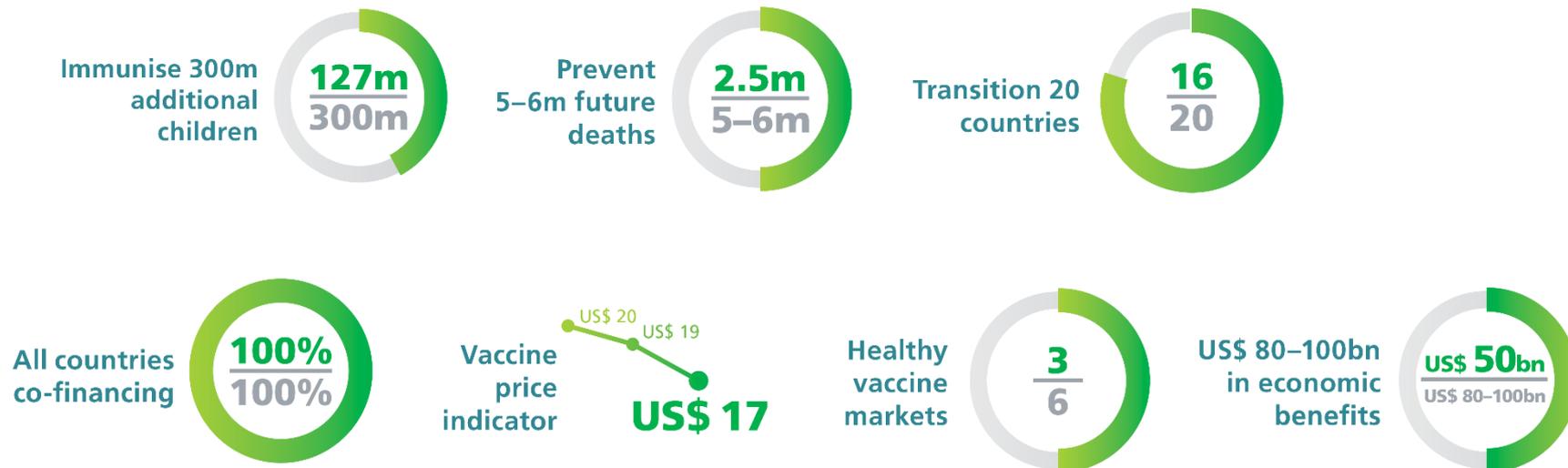
United Republic of Tanzania focus on healthy the existing children

South Sudan: focus on strengthening vaccination coverage

Challenges: With Alliance support, the United Republic of Tanzania has increased its DTP3 coverage rate from 29% in 2010 to 37% in 2015. With the 2016 introduction of health fee, DTP3 and measles coverage rose. The national immunisation programme now includes the full package of core Gavi-supported vaccines.

Challenges: In 2015, due to continuing conflict South Sudan's national immunisation coverage dropped to 26%. Adapting Gavi's new policy on fragility, emergency and migrant case page 16, approved in 2015, has allowed South Sudan to resume routine immunisation and deliver a wider range of immunisation and malnourished children. In addition, the Government has implemented a 102-page plan to focus on strengthening immunisation as part of a package of basic health services in conflict affected areas of South Sudan, as well as to reach all services in remote parts of the country.

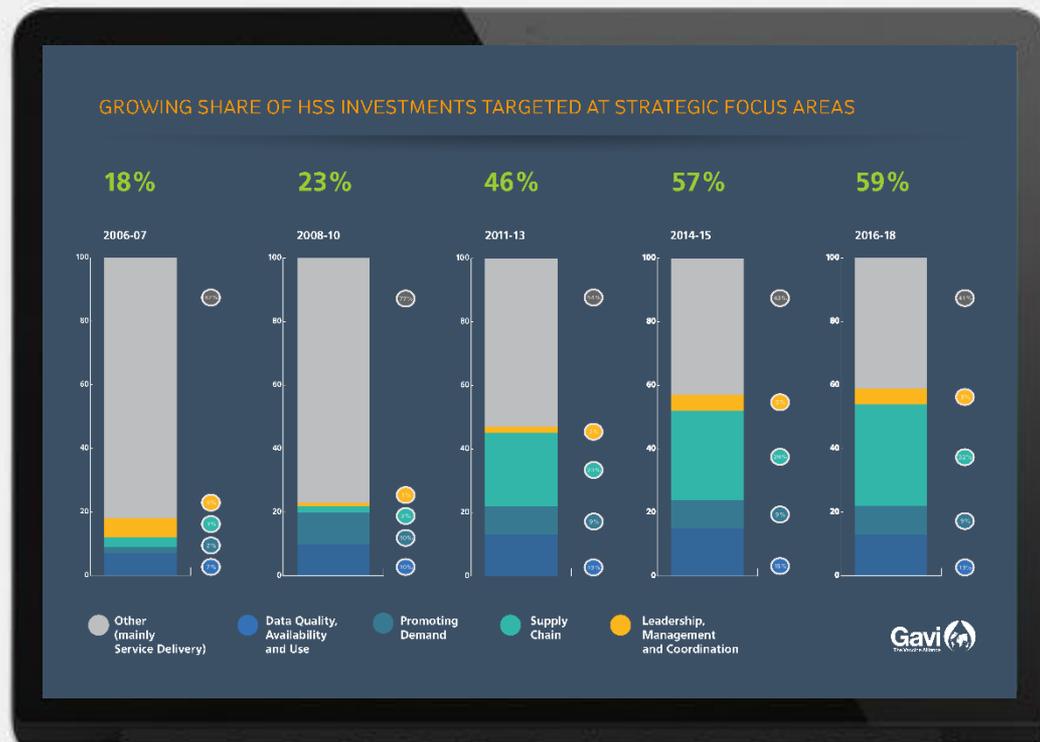
Update on progress to our MTR targets



Great progress on our strategy but not without challenges

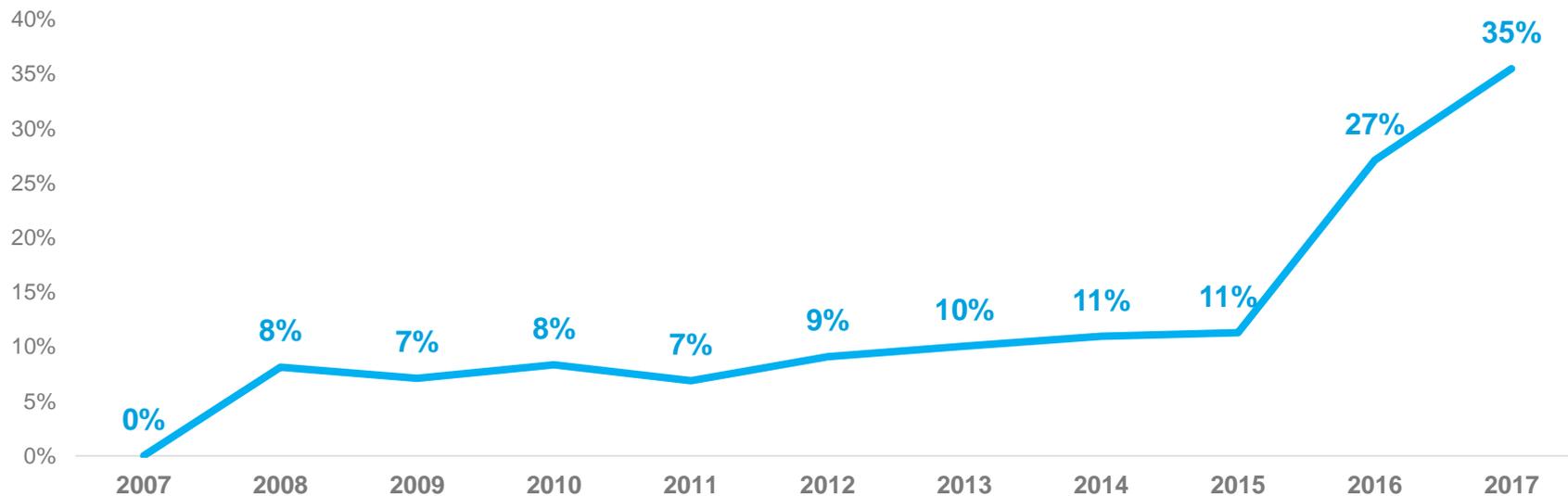
Goal	1 Immunising 300 million more children	2 Increasing co-financing and transition
Progress	<p>Immunise 300m additional children  Prevent 5-6m future deaths </p> <p>Making progress: from 2016 to 2017, Gavi helped countries to reach an additional 127 million children – usually with more than one vaccine. This is helping to avert 2.5 million future deaths, which represents 42% of the 2020 target. Children are being reached with more vaccines than ever before; average coverage for the last dose of nine Gavi-funded vaccines has risen by 11 percentage points since 2015.</p>	<p>Transition 20 countries  All countries co-financing </p> <p>Making progress: empowering countries to take ownership of their vaccination programmes is core to the Alliance's business model. Gavi-supported countries are allocating an ever-greater proportion of domestic resources towards immunisation. Of 20 countries due to transition out of Alliance support by 2020, 16 are already fully self-financing their vaccine programmes. Eight of these have been fully funding their vaccines and maintaining coverage rates for over a year.</p>
Adapting to challenges	<p>Adapting to challenges: while coverage in Gavi-supported countries has increased slightly, it has not progressed as fast as expected, especially in fragile countries. The Alliance has adopted a range of new responses of strategic focus areas to improve coverage.</p>	<p>Adapting to challenges: despite maintaining high immunisation coverage rates, some transitioned countries face programmatic challenges, while several are transitioning without having introduced critical vaccines. Five countries – Angola, the Congo, Nigeria, Papua New Guinea and Timor-Leste – face more deep-rooted obstacles to increasing more system.</p>

MTR online platform with deep dive on data



Countries financing growing share of Gavi-supported vaccine programmes

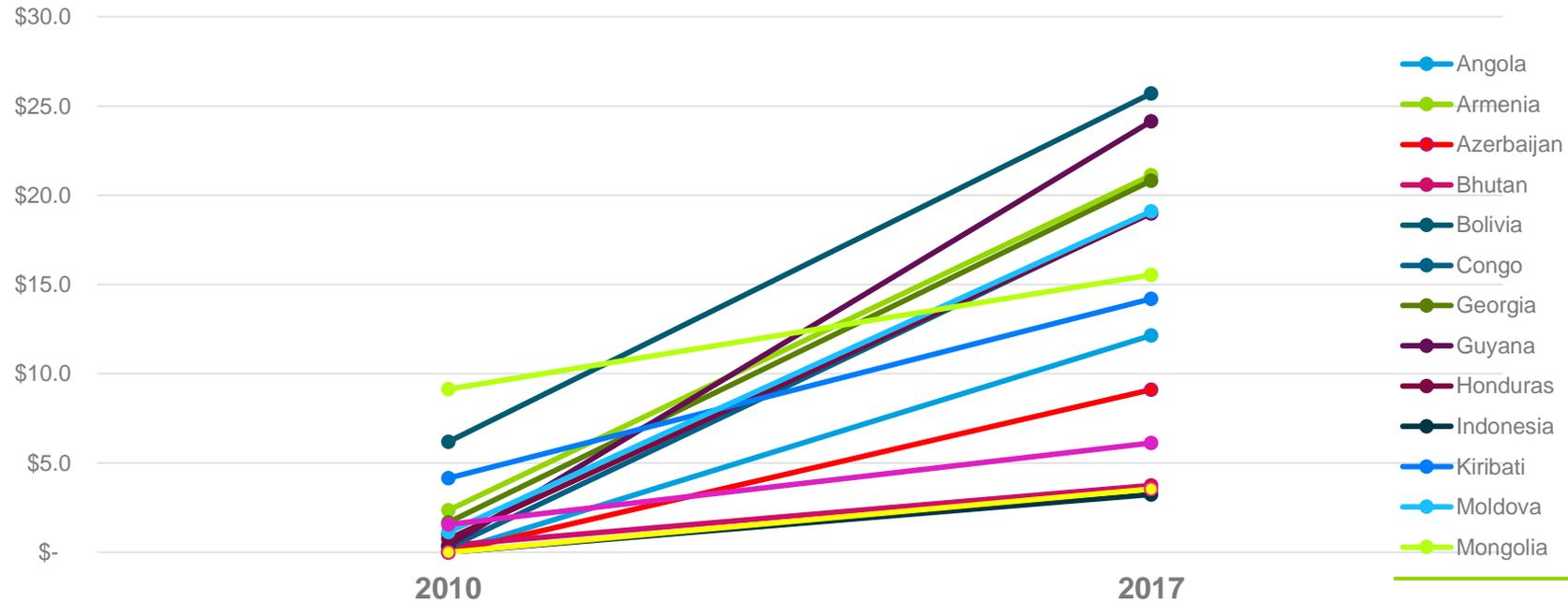
% of expenditure on Gavi-supported vaccine financed by countries



Note: Includes expenditure on Penta, PCV, Rota, MR, HPV, YF and MenA vaccines in 68 Gavi-eligible and transitioned countries

Transitioned countries increasing investment in immunisation

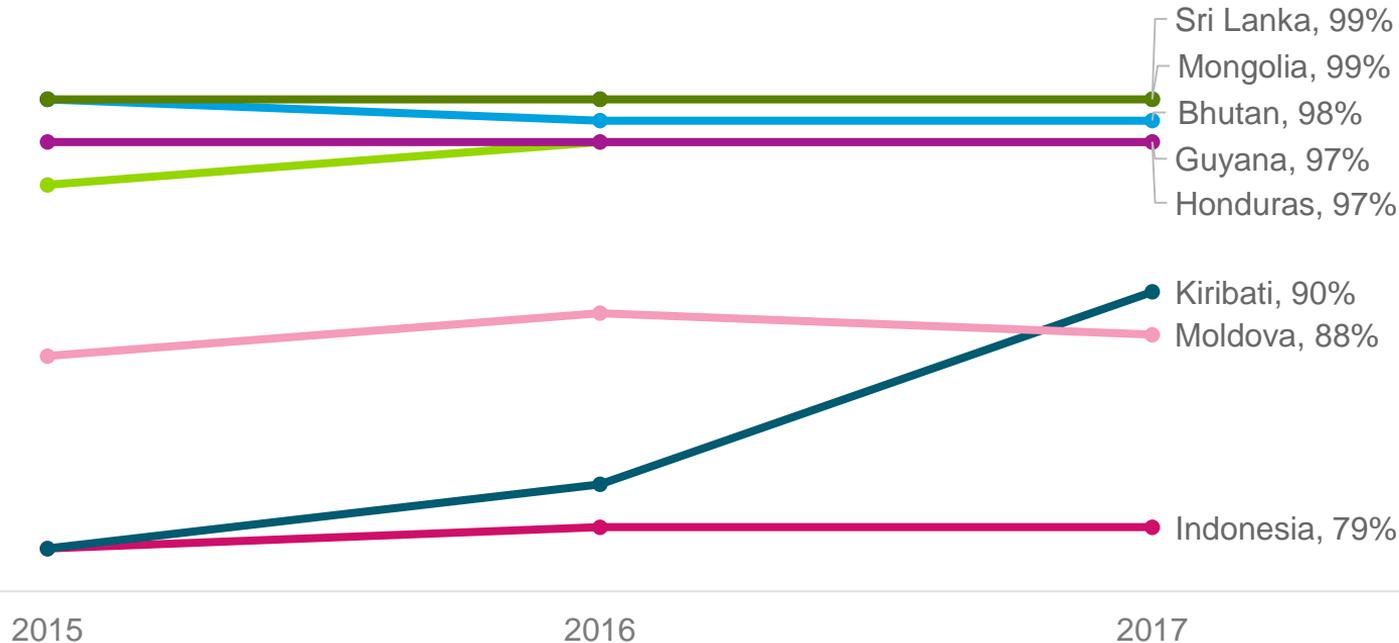
Country financing per child for Gavi-supported vaccines, US\$



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First wave of transitioning countries maintaining coverage

Coverage with DTP3-containing vaccines in countries self-financing for >1 year



Some later transitioning countries seeing coverage decline, highlighting risk of backsliding

2015

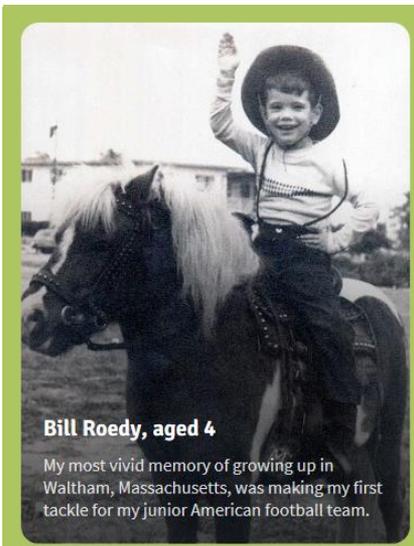
2016

2017

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MTR campaign

Protecting the adult within every child



Strategy: *mid point of Gavi 4.0*

2016–2020 INDICATORS STRATEGY PROGRESS

Gavi Board
UPDATED: 1 November 2018

- 3 ON TRACK
- 4 MODERATE DELAY
- 5 SIGNIFICANT DELAY
- 6 2020 TARGETS

1 Accelerate vaccines

1 ROUTINE IMMUNISATION COVERAGE



2 BREADTH OF PROTECTION



3 EQUITY: GEOGRAPHIC DISTRIBUTION



4 EQUITY: WEALTH



5 EQUITY: MATERNAL EDUCATION



2 Strengthen capacity

1 EFFECTIVE VACCINE MANAGEMENT



2 DATA QUALITY



3 PENTA1 COVERAGE & DROP-OUT



4 INTEGRATED HEALTH SERVICE DELIVERY



5 CIVIL SOCIETY ENGAGEMENT



2016-2020 Strategy: Progress Challenges and Risks

BOARD
Anuradha Gupta
28-29 November 2018, Geneva



Reach every child
www.gavi.org

4 INSTITUTIONAL CAPACITY



MCV1 Measles-containing vaccine 1st dose
PP Percentage point
Penta1 Pentavalent 1st dose
Penta3 Pentavalent 3rd dose

4 HEALTHY MARKET DYNAMICS



** Presented for Board approval

† Not published due to commercial sensitivity



REPORTING BACK ON PREVIOUS BOARD DECISIONS



Fragility in Gavi countries in 2018

Flexibilities for Fragility

- Fragile countries list updated July 2018
- **Ethiopia & Nigeria** no longer included. Fragile countries comprise only 18% of the under-immunised, compared to 48% in 2017

Flexibilities

for Emergencies

- South Sudan, Yemen & Zimbabwe

for Refugees

- Bangladesh, Uganda, Rwanda, Tanzania

 No longer classified as fragile
(Ethiopia, Nigeria)

 Accelerated transition
(Republic of the Congo*, Papua New Guinea)

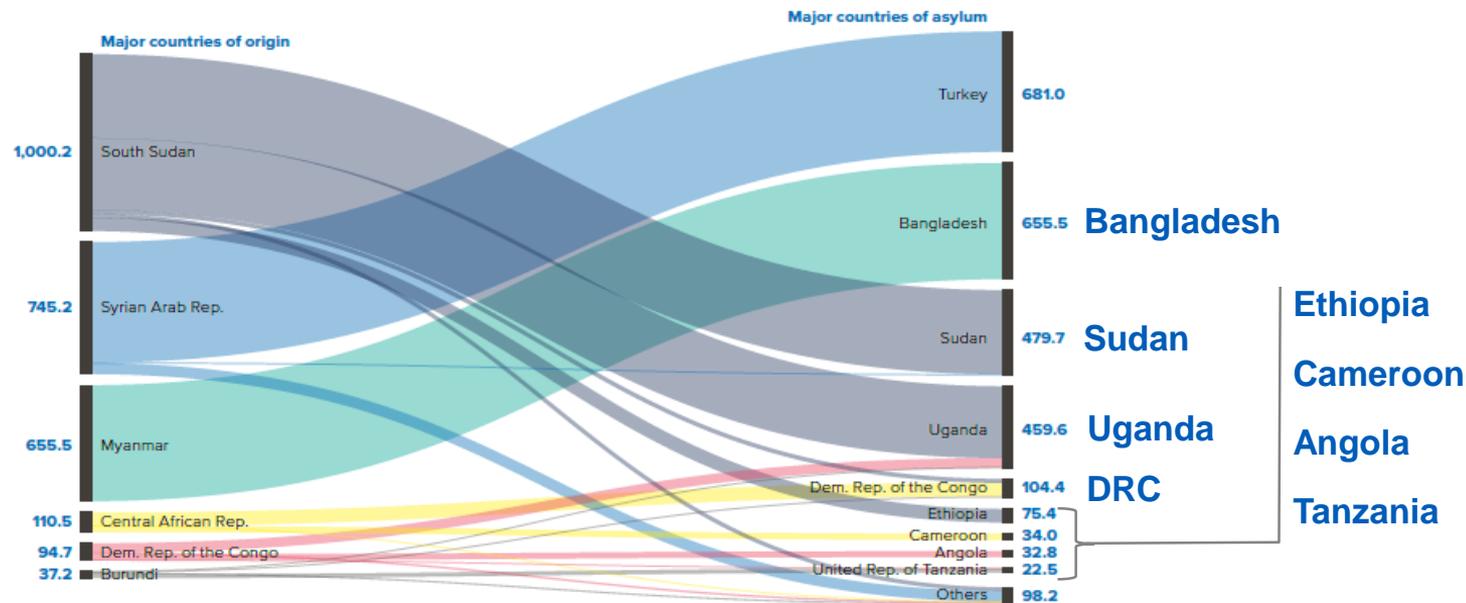
* Pending Board decision on eligibility

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In 2017, of 9 highest countries receiving refugees, 8 are Gavi countries, *UNHCR 2017*

Over 2.7m fled to another country, 88% from S. Sudan, Syria & Myanmar

Number in thousands

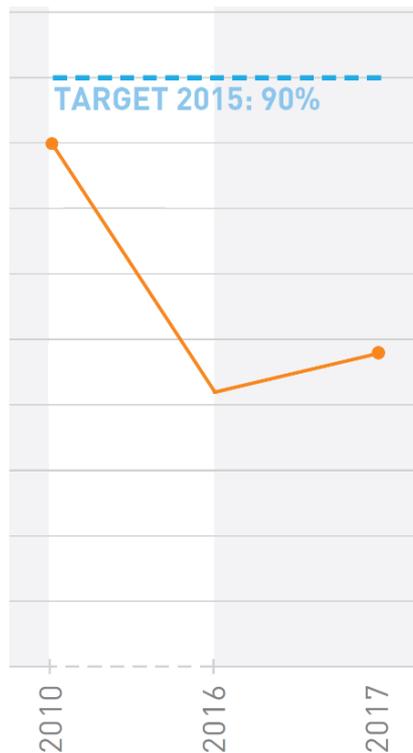


Note: New registrations can include people who arrived prior to 2017 & in some cases where reporting is by governments, may also include newborns

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Syria

DTP3 coverage



Syrian Arab
Rep.: 48%

- Classified as low income by World Bank in July so Gavi eligible from January 2019
- No-cost extension of current support on consent agenda)

GVAP 2018

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'Yemen is undeniably the world's worst humanitarian crisis by far' *WFP, November 2018*



- Estimated 85,000 children have died from malnutrition; Outbreaks of Cholera, Diphtheria and Measles
- Gavi approach:
 - Emergency reprogramming
 - Integrated outreach
 - Waived co financing; World Bank now financing
 - 09/18 pioneered meeting with Houthi health team (Sanaa) & Minister of Health, Government of Yemen - build trust & develop HSS3: technical, not political



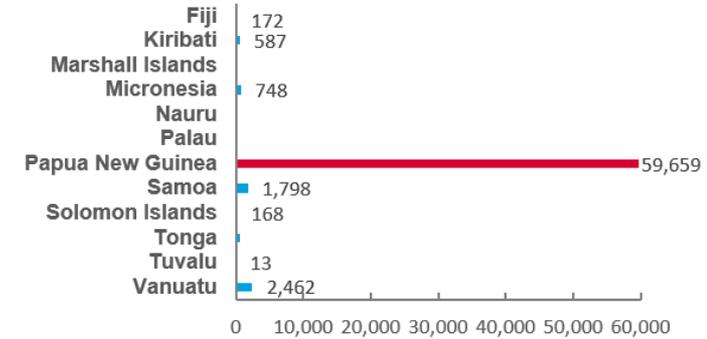
Photo credit: UNICEF

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Papua New Guinea – Context

- Fragile Country in Accelerated Transition (2020)
- Health system in crisis, economy struggling, declining health budget
- Downward trend in immunisation coverage over past 5 years
 - National DTP3 @ 51% (2017, official country estimate)
 - 60 of 89 districts with <50% DTP3 coverage
- 2016 Audit / Investigation found extensive misuse of funds and mismanagement of vaccines
 - 93% of misuse repaid; commitment received on balance
- 2018:
 - Severe earthquakes
 - Polio (25 cases of cVDPV1; 9 of 22 provinces)
 - Measles, pertussis outbreaks

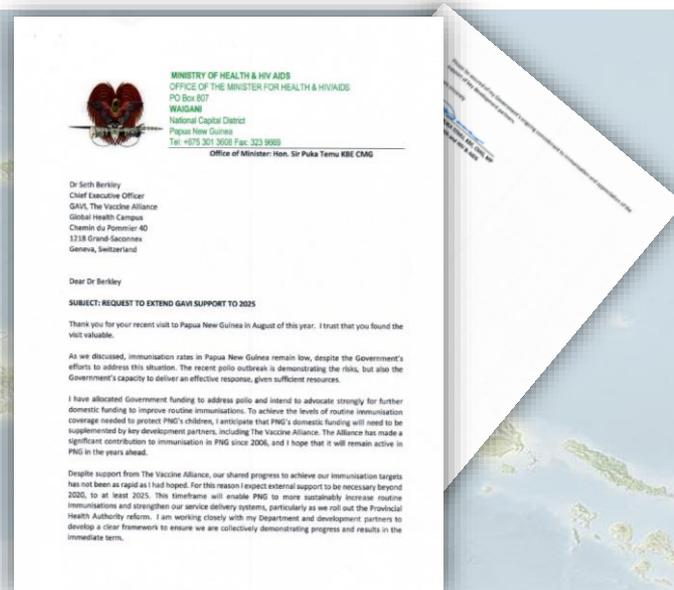
Number of Unvaccinated Children (2016)⁷



South Pacific region, WUENIC 2016

PNG: Board approved strategy to 2020

- CCEOP
- Increased HSS (Service delivery, Advocacy/Social Mobilisation, Supply Chain/Cold Chain, Transition prep)
- Exceptions for comprehensive MR campaign
- Increased TCA
- Board to review progress in 2019 & agree on next steps



India: *strengthening the world's largest immunisation programme*

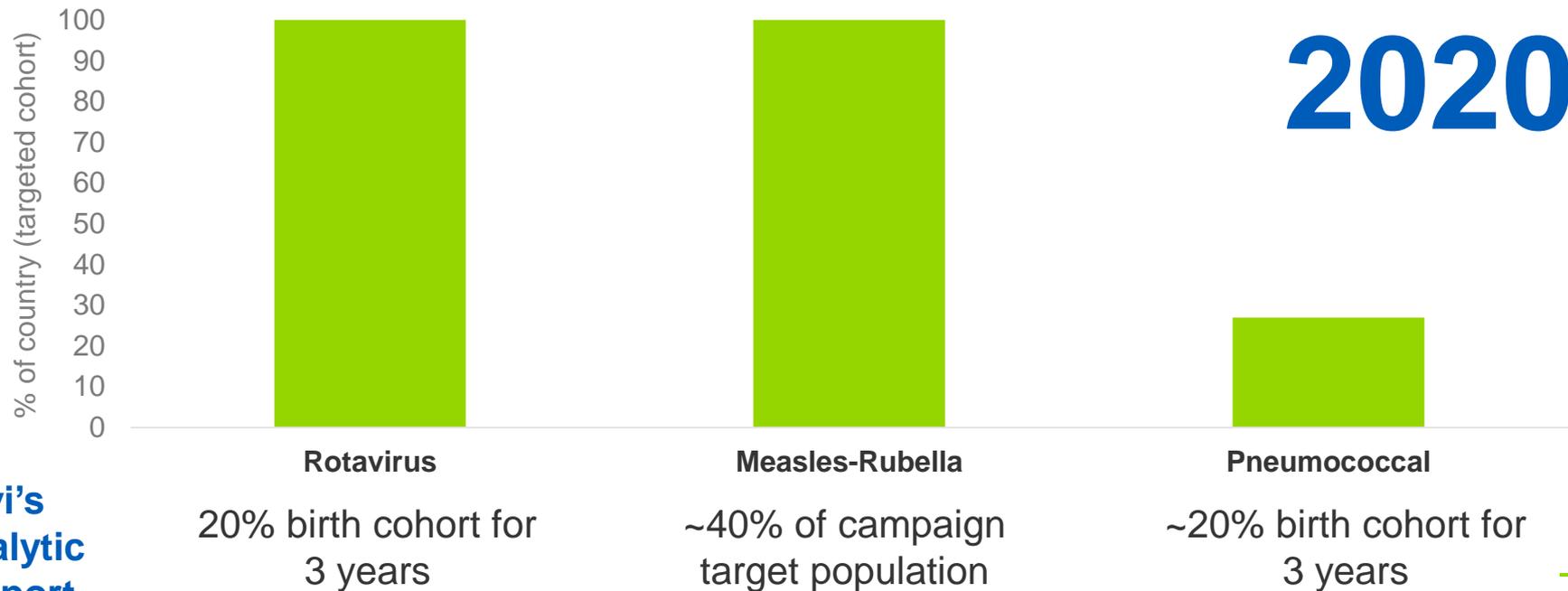


World's largest birth cohort:
>27 million (2017)

US\$ 500 million Gavi investment
2016-2021

Increase in coverage:
70-88% DTP3 (2008 - 2017)

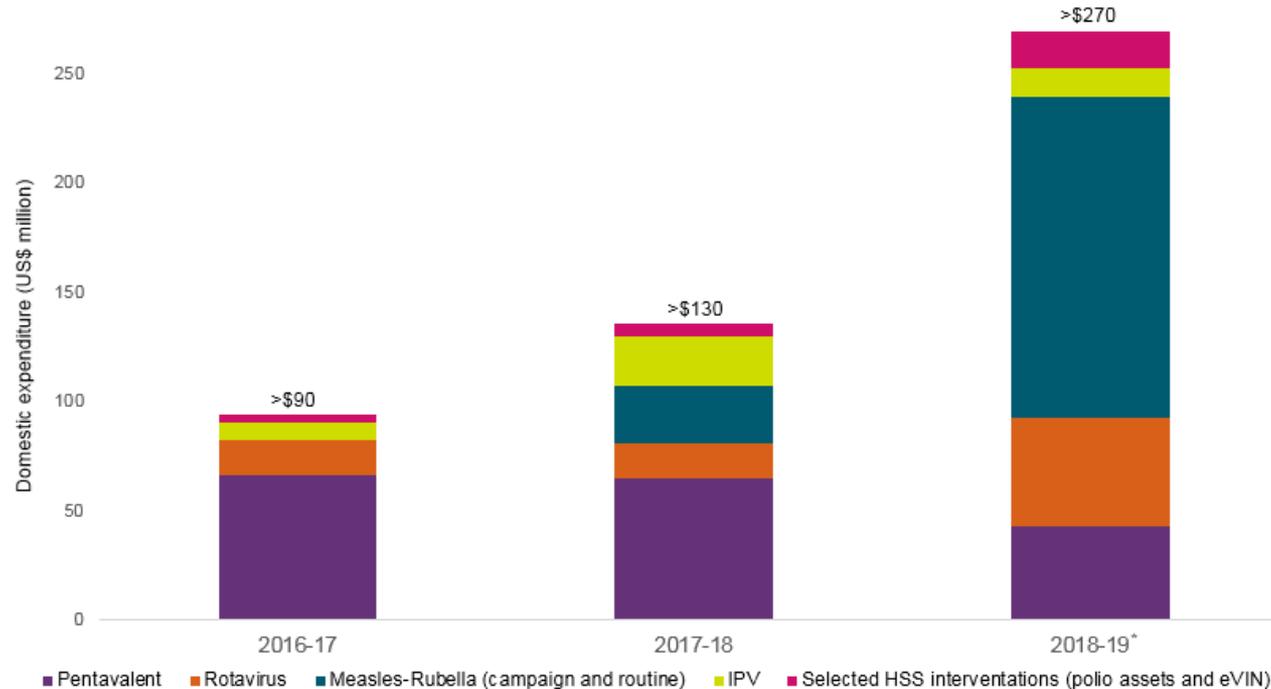
India: *ambitious new vaccines agenda accelerated with Gavi support*



**Gavi's
catalytic
support**

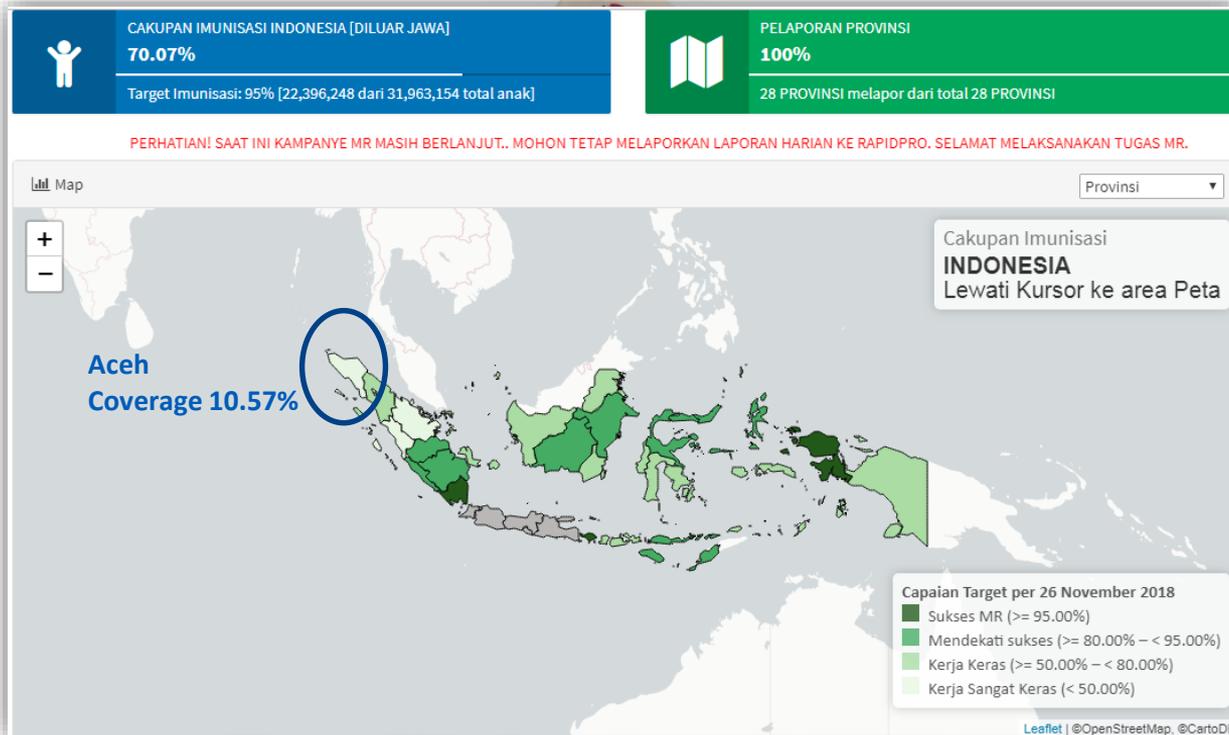
India: *Unlocking domestic resources*

Government of India financing for selected Gavi-supported interventions



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Indonesia: Vaccine hesitancy disrupting MR campaign



Anti-vaccination efforts are getting more sophisticated

The New York Times

Russian Trolls Used Vaccine Debate to Sow Discord, Study Finds

Twitter accounts that were used to meddle in the 2016 presidential election also sent both pro- and anti-vaccine messages and insulted parents.



By impersonating both sides in the vaccine debate, Russian trolls and bot accounts wanted only to raise the level of hostility, researchers concluded. Joe Raedle/Getty Images



By **Donald G. McNeil Jr.**

Aug. 23, 2018



THE HILL

← RISING

November 21, 2018 - 09:15 AM EST

Anti-vaccine movement is resulting in first deaths, says expert

BY JULIA MANCHESTER

Home » American Journal of Public Health (AJPH) » October 2018

Weaponized Health Communication: Twitter Bots and Russian Trolls Amplify the Vaccine Debate

David A. Broniatowski PhD, Amelia M. Jamison MAA, MPH, SiHua Qi SM, Lulwah AIKulaib SM, Tao Chen PhD, Adrian Benton MS, Sandra C. Quinn ... (show all authors)



A health-care worker sorts anti-measles vaccine (Sinovac) inside a vaccine storage room in Sta. Cruz city, Metro Manila, Philippines December 4, 2017 (Reuters)

Malicious characters look to use arguments to divide the American public and exploit them

ANDREW GRIFFIN
@andrew_griffin

Thursday, 22 August 2018 12:44

Online arguments trying to trick people into believing vaccines are spreading across the internet, according to a new study.

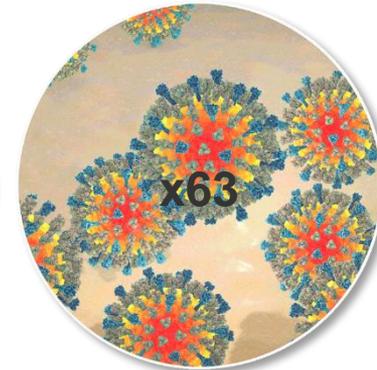


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Measles increase globally for first time in decades

Change in number of measles cases 2016-2017

Global Gavi Africa Europe Eastern Med. Americas



Cases of measles in Europe have hit a record high, according to the World Health Organization (WHO).

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WHO / CDC data

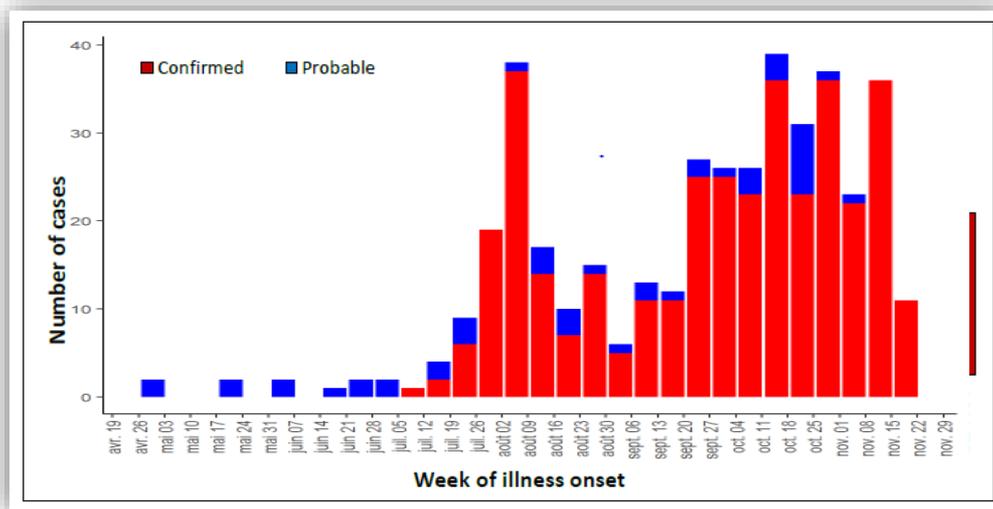
Confirmed & probable EVD cases by week of illness onset

Worst outbreak in DRC history. As of 27 November:

- **Total cases: 419** (372 confirmed)
- **Total deaths: 240** (193 confirmed)
- 40 healthworkers infected, 12 deaths

~36,000 people vaccinated to date

- Uganda vaccinating health workers; Rwanda & S. Sudan are preparing
- Gavi supporting operational costs in DRC, has signalled willingness to support in other countries

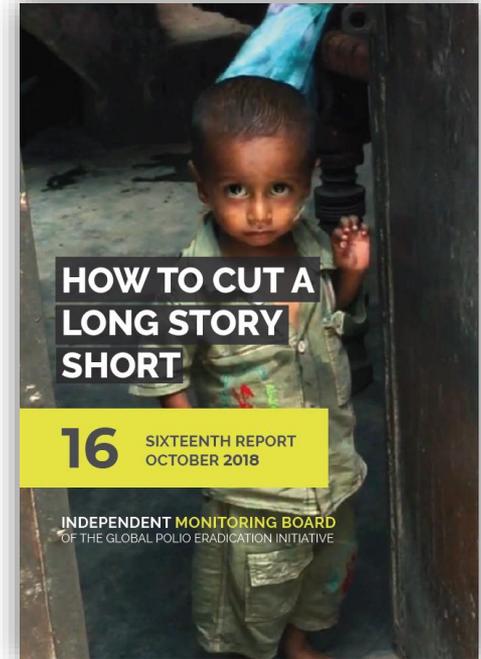


WHO

Polio, Independent Monitoring Board report

‘Progress towards interrupting polio transmission globally has stalled and may well have reversed’

- Highly critical of current situation
 - 27 WPV1 cases so far in 2018 vs 15 at this point in 2017
- Specifically calls out closer cooperation between Gavi & GPEI
- Requested focus on RI
- Gavi & GPEI discussing how to optimise work at country level



ALLIANCE UPDATE



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New Immunisation leadership, WHO



Kate O'Brien
Director of Department of Immunization,
Vaccines and Biologicals, WHO



Ann Lindstrand
Coordinator, EPI, WHO

Richard Sezibera, PPC Chair, Foreign Minister, Rwanda



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Showcasing the Alliance



September's lakeside exhibition
- *Vaccine Heroes*



Using social media / Facebook live to extend
our message with alliance partners



Annual report

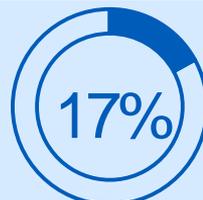
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Diversity in the Gavi secretariat

73
NATIONALITIES



OF 2017-18
RECRUITS
HAVE BOTH
**PRIVATE &
PUBLIC**
SECTOR
EXPERIENCE



GAVI SUPPORTED
COUNTRIES



ALL STAFF

60%
WOMEN



40%
MEN



SMT

50%
WOMEN



50%
MEN



**EQUAL-SALARY
CERTIFIED**

*First Global Health
organisation
certified by the
EQUAL-SALARY
Foundation'*

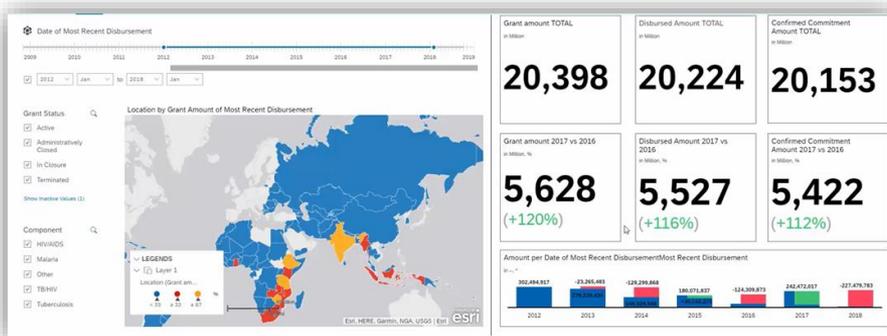
Finance system and process transformation (FIND)

Today

- Axapta (Gavi's current ERP) near end of vendor support
- Separate systems: inefficient, increasing risk of error
- Recent shocks to Control Environment, increasing Cyber Security threats

Tomorrow (Q2/3 2019) – SAP

- Gavi-configured
- Multiple integration with grant systems, others
- System-driven safeguards
- Security & time-proofed from globally-maintained systems
- Real-time data from a single source



AGENDA FOR THIS MEETING



Board meeting
28-29 November 2018

Our agenda

Decision items

- Finance update
- Risk & Assurance report
- IFFIm & CEPI
- Approaches to Fiduciary Risk management in Gavi's Cash Grants
- Vaccine Investment Strategy
- Gavi 5.0
- Approval of selected targets for 2016-2020 Strategic Indicators
- Polio
- Pandemic Influenza Preparedness

Consent Agenda

- Committee Chair appointments
- Board/Committee member appointments
- Independent Review Committee appointments
- Review of Board Travel Policy
- CEO Authorisation to represent Gavi at IFFIm General Meeting
- Ongoing and planned support for Syria
- Gavi supported measles and rubella immunisation activities: amendment to HSIS support framework
- Post-transition plans for Angola and Timor-Leste and Congo Republic's eligibility for Gavi support

THANK YOU



www.gavi.org

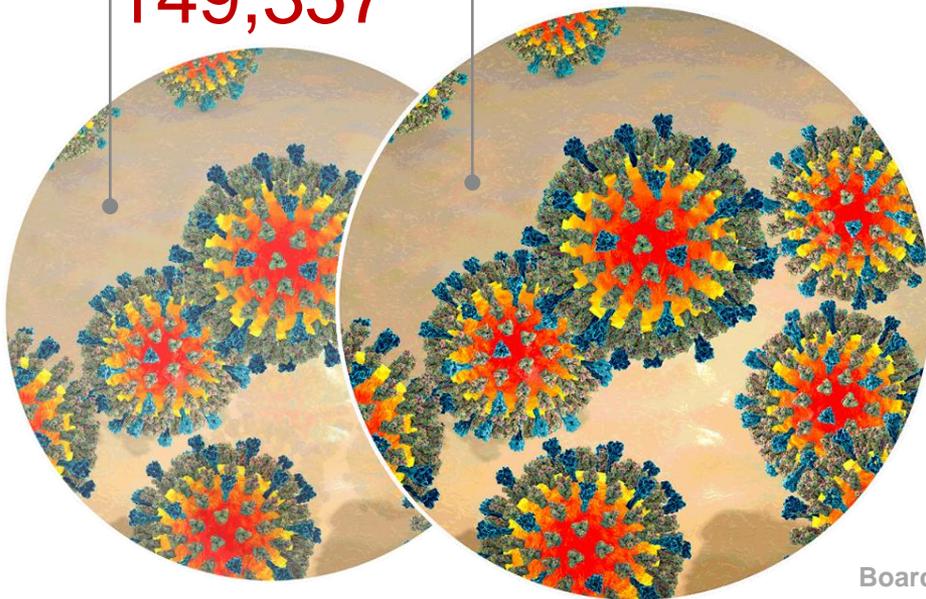
Global resurgence of measles

Total cases
in 2017:

149,357

Cases in 2018 to date
(November WHO report):

189,392



Board meeting
28-29 November 2018

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20 August 2018

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