CEO BOARD REPORT

Seth Berkley MD 10 December 2014, Geneva

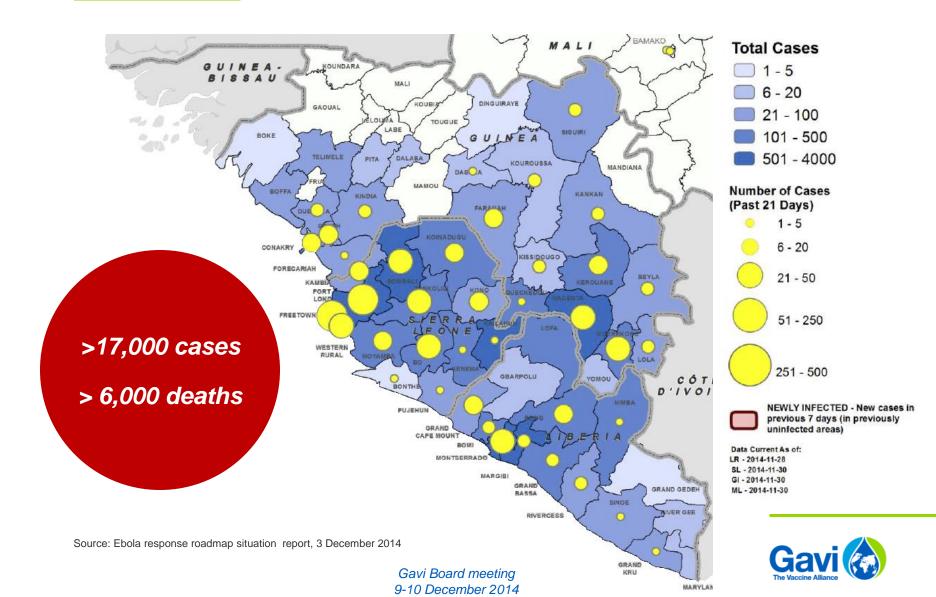


KEY EVENTS AND UPDATES





Ebola: a human security challenge



Why is Ebola different?

Senegal

Guinea Sierra

The Gambia

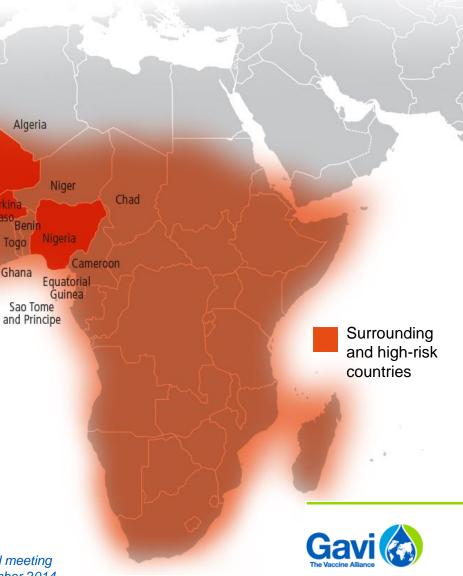
Guinea Bissau

Affects the entire region, continent

WB: Ebola could cost West Africa US\$ 32 billion by 2015

IMF: sub-Saharan Leone **Africa growth forecast** down from 5.5% to 5% (largely Ebola)

Morbidity and mortality from other diseases on the rise



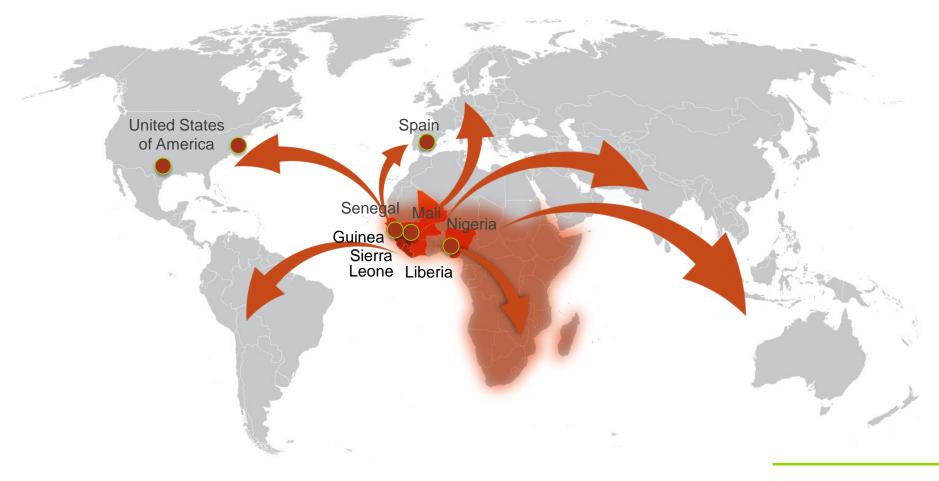
Liberia Côte Ghana

d'Ivoire

Algeria

Why is Ebola different?

Risk of further spread





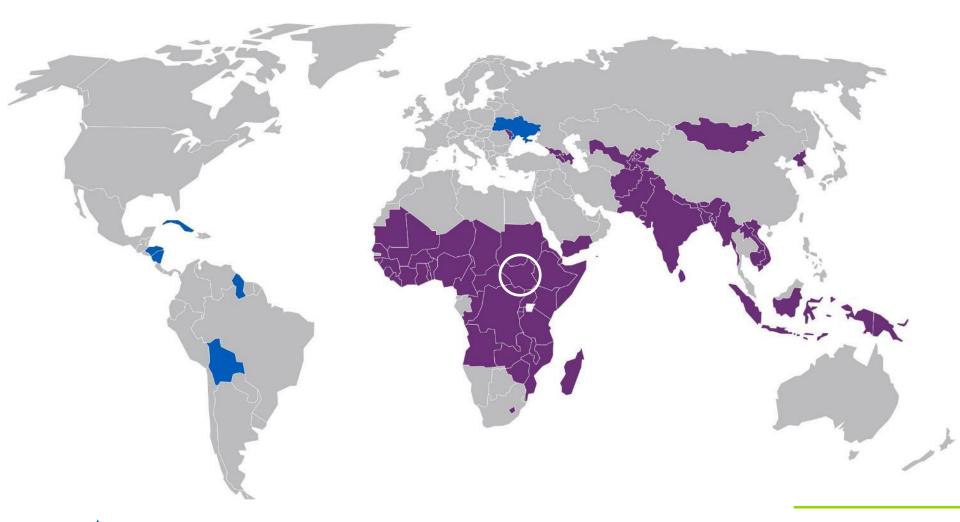
Liberia: HPV demonstration project launch postponed from Nov 2014 until... April 2015?

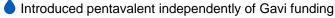






July 2014 global public health milestone: pentavalent in all 73 Gavi-supported countries







September 2014: first introduction of inactivated polio vaccine (IPV) – Nepal





Acting on the call: ending preventable child and maternal deaths

June 2014





UNGA week: Gavi and vaccines feature







Aid Transparency Index, October 2014: Gavi remains in top "very good" category

VERY POOR VERY GOOD GOOD FAIR **POOR** 1. UNDP 8. AfDB 16. EC, ECHO 32. U.S., State 47. Austria. ADA 2. UK, DFID 9. IADB 17. Germany, BMZ-GIZ 33. Japan, JICA 48. Latvia, MFA 3 IIS MCC 18. Switzerland, SDC 10. Global Fund 34. Korea, KOICA 49. Belgium, DGCD 4. GAVI 19. Netherlands, MFA 35. UK. FCO 50. Luxembourg, MFA 11. Canada, DFATD 12. EC, FPI 20. Germany, BMZ-KfW 36. U.S., Treasury 51. Slovakia, SAIDC 5. ASUB 6. Sweden, MFA-Sida 13. EC, DEVCO 21. Spain, MAEC 52. Slovenia, MFA 37. IMF 38. U.S., Defense 7. World Bank, IDA 14. UNICEF 22. Denmark, MFA 53. Japan, MOFA 15. EC, ELARG 23. Gates Foundation 39. World Bank, IFC 54. Italy, MAE 24. Finland, MFA 40. Czech Republic, CzDA 55. Poland, MFA 25. Australia, DFAT 41. Estonia, MFA 56. Croatia, MFA 26. New Zealand, MFAT 42. Norway, MFA 57. Romania, MFA 27. Ireland, IrishAid 43. Portugal, CICL 58. France, MINEFI 28. France, MAEDI 44. France, AFD 59. Brazil, ABC 29. UN OCHA 45. EIB 60. UK, MOD 46. EBRD 30. U.S., PEPFAR 61. Germany, AA 31. U.S., USAID 62. Hungary, MFA 63. Bulgaria, MFA 64. Malta, MFA 65. Lithuania, MFA 66. Cyprus, CyprusAid 67. Greece, HellenicAid 68. China, MOFCOM

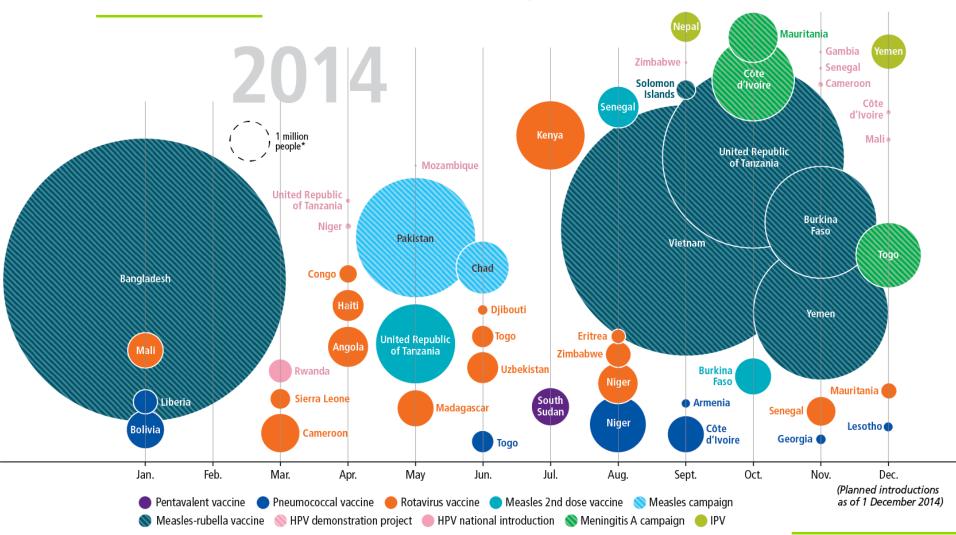


VACCINE INTRODUCTIONS





Vaccine introductions in 2014

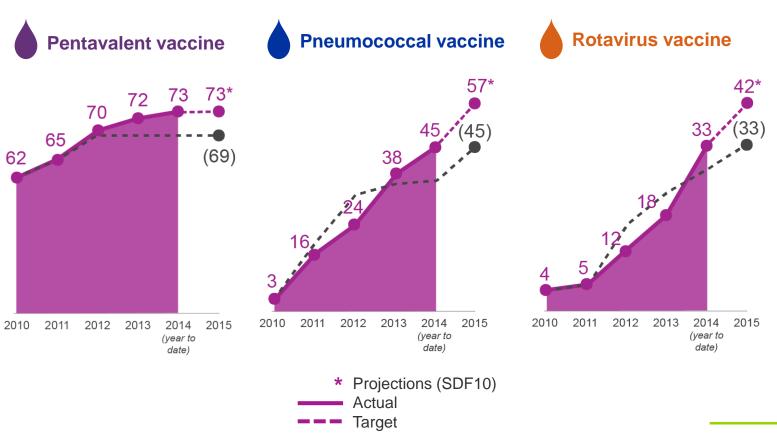


^{*} Refers to annual birth cohort (for vaccine introductions) or target population (for vaccine campaigns)



Vaccine introduction targets reached one year in advance

Cumulative country introductions



Source: Gavi data as of 30 November 2014.











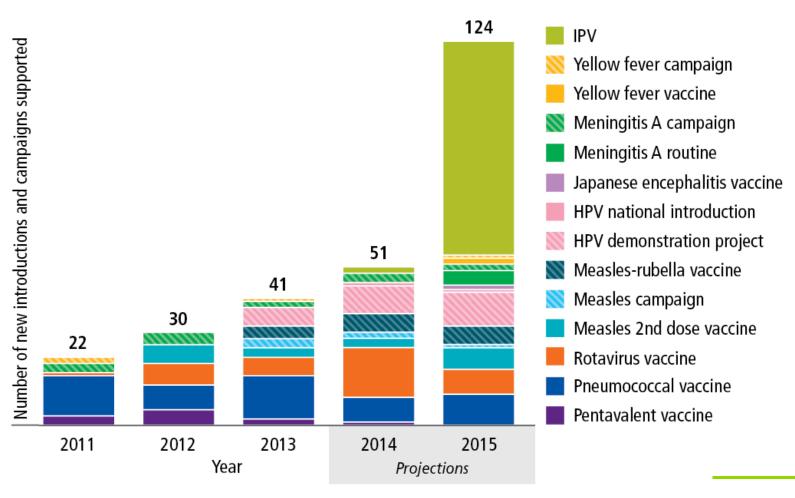






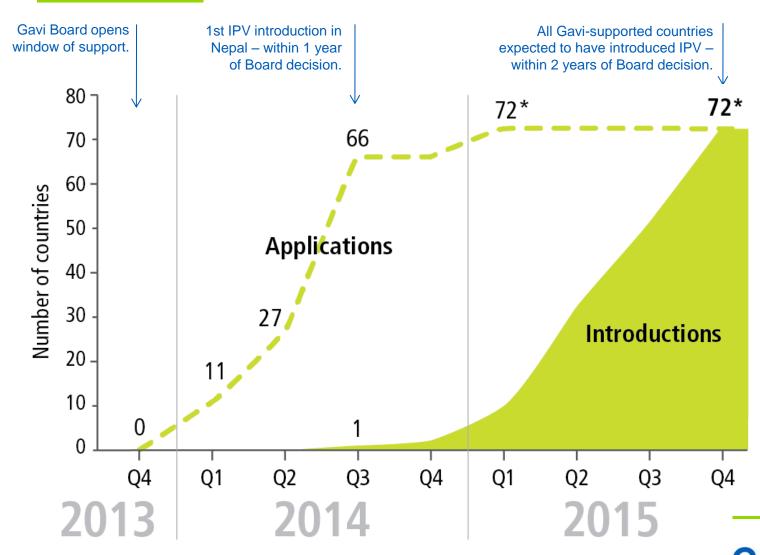


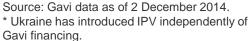
Acceleration of IPV introductions: Gavi vaccine support, 2011–2015





IPV implementation showcases successful fast-track approach





IPV: after successful roll-out, four big issues remain

Wastage

- WHO recommended multi-dose vial policy for IPV
 - = significantly reduced wastage

Supply

 Delays in scaling up capacity of 10-dose vial, delayed prequalification of 5-dose vial = short-term constraints in availability

Demand

 GPEI using IPV in campaigns (capped at 8m doses, not financed by Gavi) in some endemic areas = increasing demand

Flexibility of financing

 Gavi's usual ability to move funds through time restricted by funding envelope = reduced flexibility



India to introduce rotavirus, rubella, polio and Japanese encephalitis vaccines





THREE NEW VACCINES INCLUDING INDIGENOUSLY DEVELOPED ROTAVIRUS VACCINE TO BE PROVIDED TO ALL INDIAN CHILDREN

Fourth vaccine for adults to protect against Japanese Encephalitis to be introduced in high-priority districts

PM: Government will now ensure that the benefits of vaccination reach all sections of the society, regardless of social and economic status

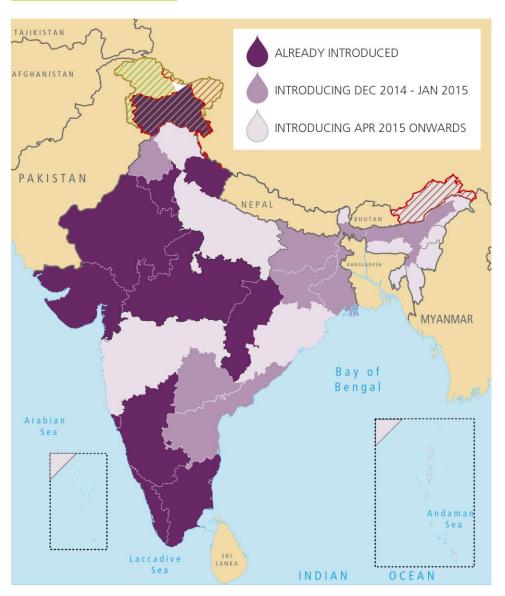
Jul 03, 2014

"The introduction of four new lifesaving vaccines will play a key role in reducing childhood and infant mortality and morbidity in the country."

Narendra Modi, Prime Minister of India



Status of pentavalent vaccine introductions in India



- Already introduced in 12 states
- Dec 2014–Jan 2015:8 additional states
- From April 2015: remaining 16 states
- 27 million children in 36 states covered by the end of 2015



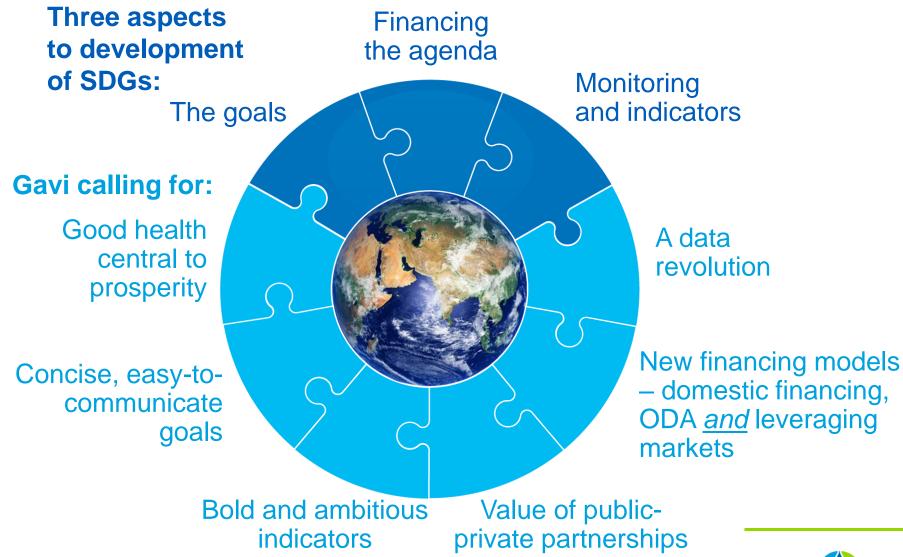
3

BROADER LANDSCAPE





Post-2015: Sustainable Development Goals





Global Financing Facility for reproductive, maternal, neonatal, child and adolescent health

Launched September 2014





SAGE: five out of six Global Vaccine Action Plan targets off track

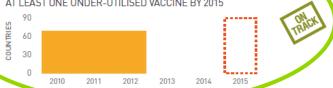
Only vaccine introduction target on track for 2015

DTP3: NATIONAL VACCINATION COVERAGE OF 90%



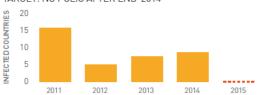


TARGET: 90 LOW OR MIDDLE INCOME COUNTRIES INTRODUCE AT LEAST ONE UNDER-UTILISED VACCINE BY 2015



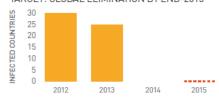
POLIO

TARGET: NO POLIO AFTER END-2014



MATERNAL AND NEONATAL TETANUS

TARGET: GLOBAL ELIMINATION BY END-2015





MEASLES

TARGET: ELIMINATION FROM THREE MORE REGIONS* BY END-2015





RUBELLA

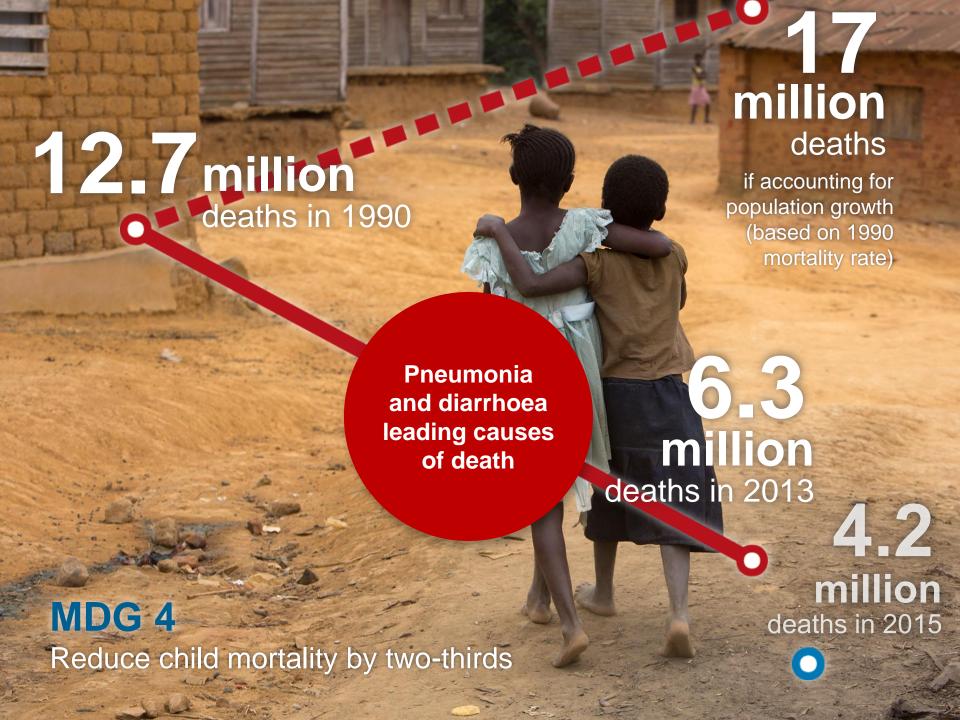
TARGET: ELIMINATION FROM ONE MORE REGION** BY END-2015



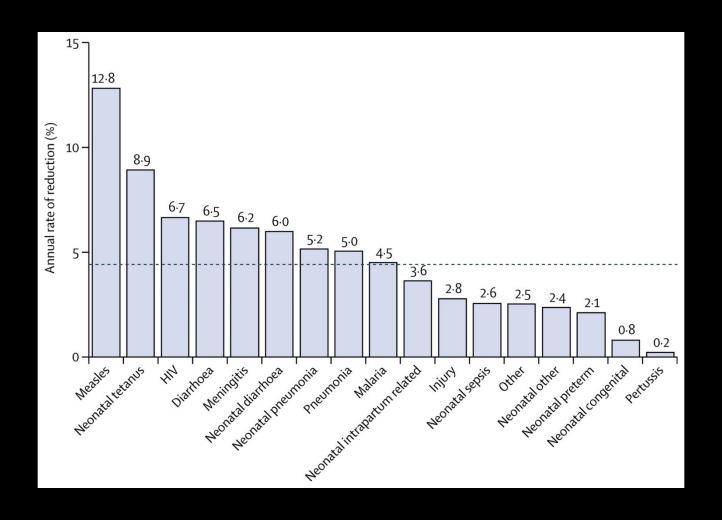
[&]quot;Four regions in total, including AMR. Data for other regions are in the GVAP Secretariat Report
"*Two regions in total, including AMR. Data for other regions are in the GVAP Secretariat Report

Strategic Advisory Group of Experts on Immunization. 2014 Assessment Report of the Global Vaccine Action Plan. October 2014. Available on: www.who.int/immunization/global_vaccine_action_plan/en/





Estimated annual rate of reduction in under-five mortality at the global level in 2000–2013, by cause

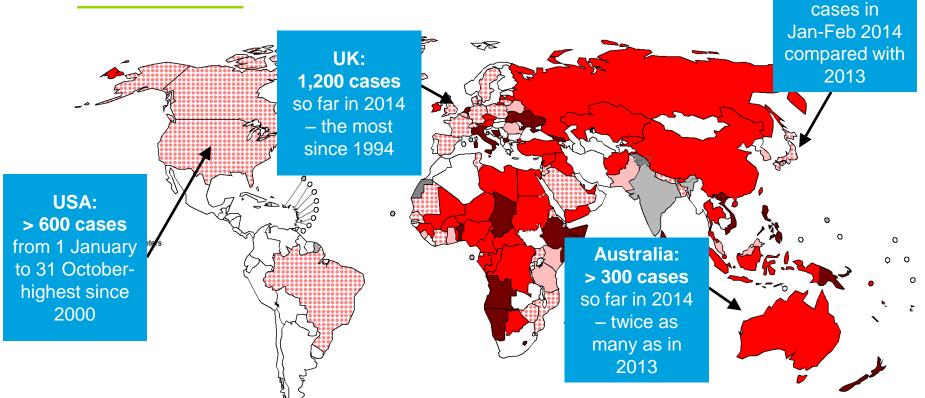




Source: The Lancet (DOI:10.1016/S0140-6736(14)61698-6)

Terms and Conditions

Reported measles incidence rate*, October 2013 – September 2014



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement. ©WHO 2014. All rights reserved.

Data in HQ as of 11 November 2014.

Data source: surveillance DEF file

*Rate per 1'000'000 population

Country outbreaks: www.cdc.gov/measles/cases-outbreaks.html, http://pediatrics.about.com/od/measles/a/measles-outbreak.htm (updated 15 November), http://www.nih.go.jp/niid/en/all-surveillance/2292-idwr/idwr-article-en/4440-idwrc-1408-en.html

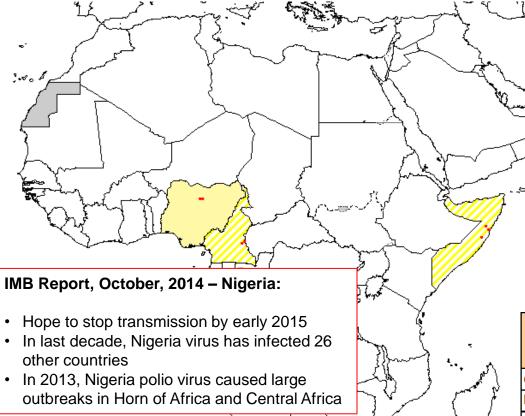
<1 (81 countries or 42%)
 ≥1 - <5 (29 countries or 15%)
 ≥5 - <10 (14 countries or 7%)
 ≥10 - <50 (37 countries or 19%)
 ≥50 (19 countries or 10%)
 No data reported to WHO HQ
 Not applicable



Japan: > 3-fold

increase in

Wild Poliovirus Cases¹, last 6 Months²



IMB Report, October, 2014 - Pakistan:

- "Pakistan's polio programme is a disaster"
- Home to 80% of world's polio cases in 2014
- Pakistan polio virus paralysed 38 children in Syria and Iraq in last year

<u>u'</u>			
Country	Onset of most recent case	Number of districts	Total WPV (All type 1)
Cameroon	09-Jul-14	1	2
Nigeria	24-Jul-14	2	2
AFR	24-Jul-14	3	4
Afghanistan	20-Oct-14	11	15
Pakistan	01-Nov-14	29	170
Somalia	11-Aug-14	2	3
EMR	01-Nov-14	42	188
Global	01-Nov-14	45	192

Poliovirus type 1

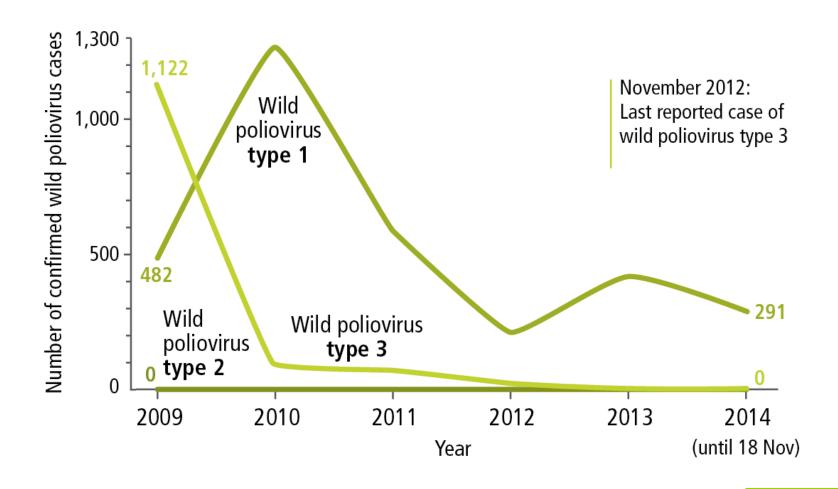
Endemic country

Country with WPV case in previous 6 months

¹Excludes cases caused by vaccine-derived polioviruses and viruses detected from environmental surveillance.

²Onset of paralyses 19 May – 18 November 2014

Wild poliovirus cases, 2009–2014





Polio and routine immunisation

Gavi collaborates with GPEI on immunisation system strengthening in polio focus countries:

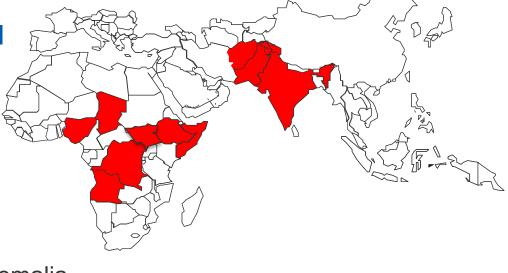
 AFR: Nigeria, South Sudan, DR Congo, Chad, Ethiopia, Angola



SEAR: India

Progress and way forward:

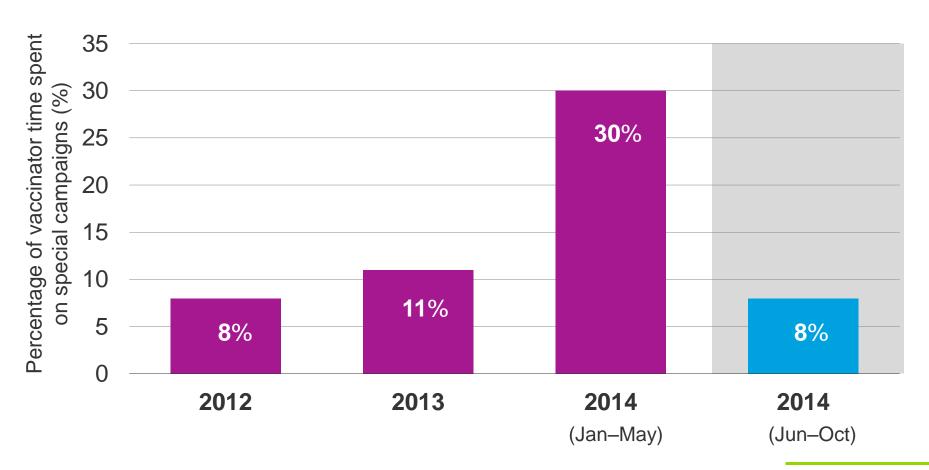
- 8 /10 countries developed annual integrated EPI plans
- Accountability frameworks to help strengthen routine immunisation (RI)
- Improved RI an essential component to polio eradication





Less time on polio campaigns = + 20,000 vaccinator days for routine immunisation/month

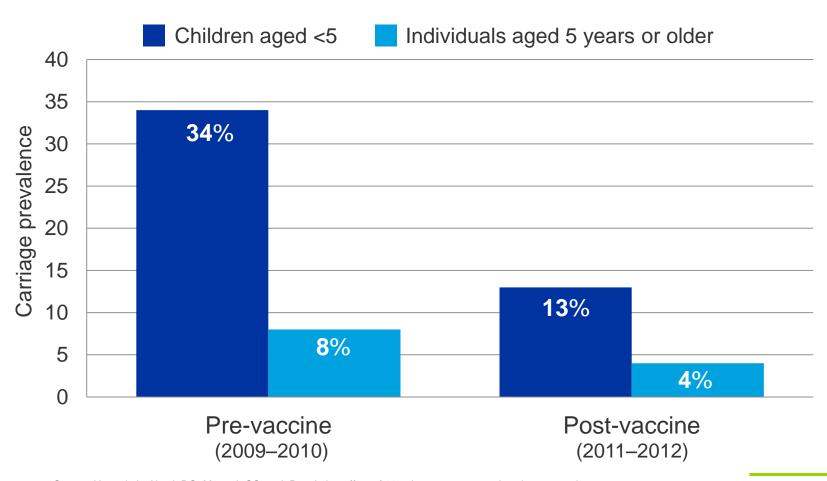
Vaccinator time spent on special campaigns, Punjab provinces







Carriage prevalence of *streptococcus* pneumoniae bacteria, pre- and post-vaccine

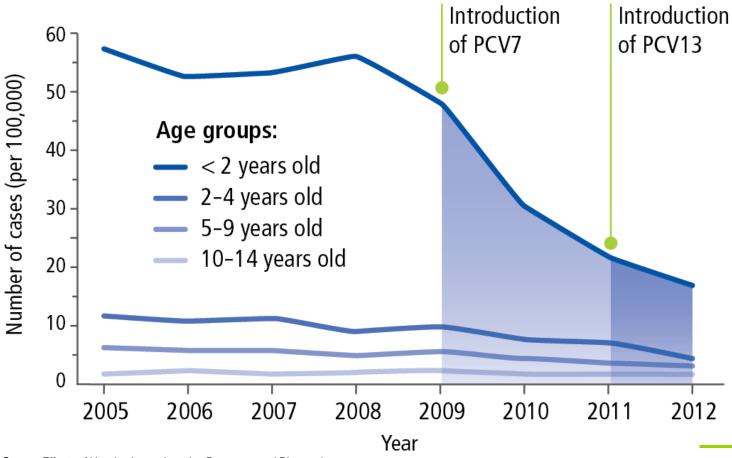


Source: Hammitt L, Akech DO, Morpeth SC et al. Population effect of 10-valent pneumococcal conjugate vaccine on nasopharyngeal carriage of *Streptococcus pneumoniae* and non-typeable *Haemophilus influenzae* in Kilifi, Kenya: findings from cross-sectional carriage studies. *Lancet Global Health*, July 2014.



Substantial reduction in pneumococcal disease in South Africa thanks to vaccines

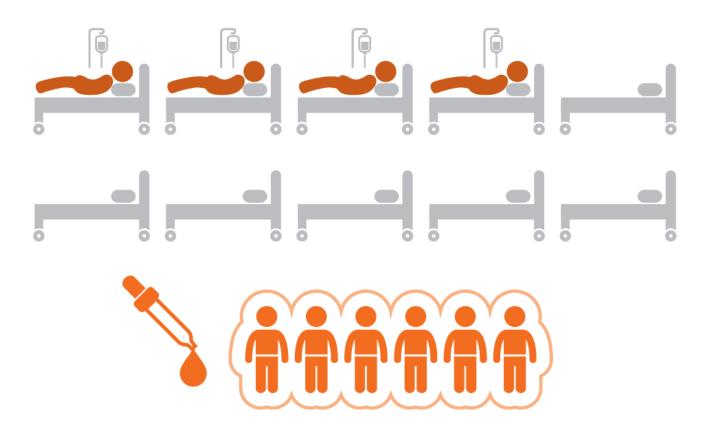
Invasive pneumococcal disease cases by age group



Source: Effects of Vaccination on Invasive Pneumococcal Disease in South Africa. New England Journal of Medicine, November 13, 2014.



Rotavirus vaccination prevents 6 out of 10 diarrhoea hospitalisations in South Africa



Source: Effectiveness of monovalent human rotavirus vaccine against admission to hospital for acute rotavirus diarrhea in South African children: a case-control study. *The Lancet Infectious Diseases*, October 8, 2014.



New vaccines approaching licensure

Malaria vaccine:

- RTS,S tested in large-scale clinical trial in Africa, including
 15,000 children and infants
- · Vaccine efficacy: 46% in young children, 27% in infants
- Efficacy data from 32 months follow-up including booster expected early 2015
- Anticipate WHO recommendation in October 2015

Dengue vaccine:

- Phase three clinical trial included 20,000 Latin American children aged 9-16
- Shown to reduce risk of infection by 60%
- SAGE will soon advise WHO on any recommended use of dengue vaccines.







RESOURCE MOBILISATION





New pledges since the June Board meeting

Sovereign donors:

- Australia: A\$ 50 million for 2015 (US\$ 44 million)
- Japan: US\$ 8.7 million for 2014

Private sector donors:

- Lions Clubs International Foundation: US\$ 3 million in-kind for 2014–2017, matched by the Bill & Melinda Gates Foundation and DFID
- "La Caixa" Foundation: €1 million for 2014 (US\$ 1.4 million)

Closing the gap for 2016–2020 – building momentum:

- European Commission: €175 million*
- Norway: at least US\$ 1.1 billion
- United Kingdom: £1 billion
- Canada: C\$ 500 million
- Germany: indication to pledge €500 million**
- Netherlands: €250 million requested by Dutch Parliament

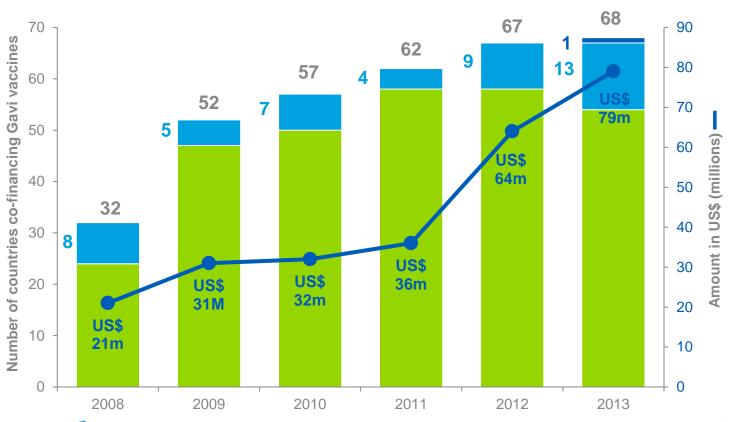


First IFFIm Sukuk bonds raise US\$ 500 million

- Sukuk = financial certificate that complies with Islamic law
- Largest ever Sukuk issuance in the public market
- Over-subscribed
- Diverse investor base:
 - 68% Middle East and Africa
 - 21% Asia
 - 11% Europe
- Expanding engagement with Islamic world



Co-financing update



Zimbabwe
Afghanistan*
Angola*
Cameroon
Congo Republic*
Djibouti
Ghana
Guinea*
Kenya
Kiribati
Kyrgyzstan
Pakistan*
Sierra Leone
Solomon Islands

- Partial payment
- Late payment
- Fulfilled requirement

By 2013, co-financing will have more than tripled in comparison to 2008



^{*} Defaulted both in 2012 and 2013. Source: Gavi data as of 5 December 2014.

Graduating countries: 1st wave entered graduation in 2011, 2nd wave in 2012–2020

	1 st wave	2 nd wave
Under-5 mortality rate ¹	✓ Successful transition to self-financing	✓ Successfully introduced most/all Gavi vaccines
GNI per capita at entering graduation ⁵	✓ Projected vaccine costs affordable (at Gavi price)	 High impact due to high burden of vaccine- preventable diseases
2013 total fertility Rate ²	 Low risk to sustainability of vaccine programmes 	provertable diseases
Vaccines introduced ³	× Missed opportunities for	× Higher fiscal burden
Average length of graduation period (years) ⁴	vaccine introductions	following graduation × Faster pace of financial scale-up required

- 1. Source: World Bank World Development Indicators, accessed September 2014.
- 2. Total Fertility Rate; Source: UN World Population Prospects, accessed October 2014
- Modeled using GAVI's Adjusted Demand Forecast
- 4. 1st wave obtained from GAVI Secretariat, 2nd wave modeled
- 5. World Bank GNI per capita 2013 and earlier, modeled starting in 2014



World Bank Group supporting country graduation efforts in 2015



- Health financing assessments in graduating countries findings to support dialogue on sustainable financing
- Graduation missions to support assessments and plans, building on health financing dialogue and working with Ministers of Finance
- Discussion paper on role of health insurance mechanisms in financing immunisation service delivery

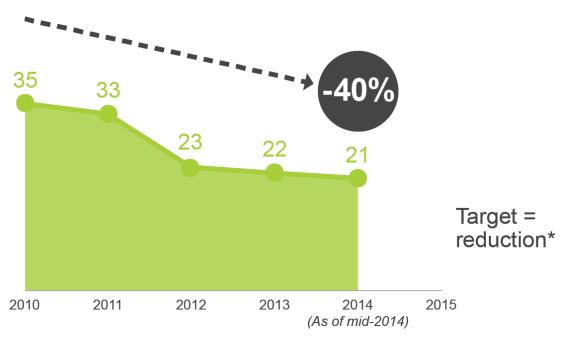


Will help shape World Bank involvement in 2016–2020 strategy



Further reduction in vaccine prices

Cost to fully immunise a child with pentavalent, pneumococcal and rotavirus vaccines reached a new low in mid 2014 – but more needs to be done

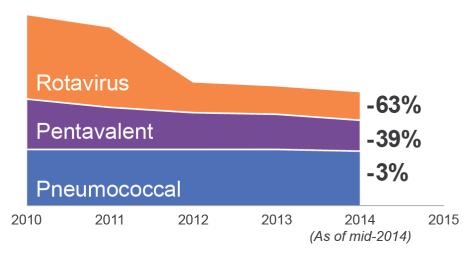


^{*} Future targets are not publicised to avoid setting a minimum price. Source: UNICEF Supply Division, 2014.



Further reduction in vaccine prices

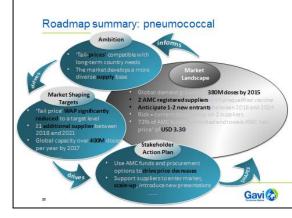
Cost to fully immunise a child with pentavalent, pneumococcal and rotavirus vaccines reached a new low in mid 2014 – but more needs to be done



Future targets are not publicised to avoid setting a minimum price. Source: UNICEF Supply Division, 2014.



Vaccine roadmaps



Development

7 completed

HPV, pentavalent, yellow fever, rotavirus, measles-rubella, IPV, Japanese encephalitis, pneumococcal (2014)

1 update

Pentavalent (2014)

3 in development

Cholera, HPV update, meningitis

2 on hold

Typhoid, malaria

Implementation

Gavi Secretariat coordinates interventions in close cooperation with partners

Stakeholders include Secretariat, UNICEF Supply Division, Bill & Melinda Gates Foundation, WHO



Japanese encephalitis vaccine

- First tender concluded July 2014
- Gavi's first Chinese vaccine supplier
- GAVI-supported campaigns forecast to require > 75 million doses 2015–2020
- Secured sufficient supply to meet increasing demand through 2016
- First introduction expected in Lao PDR 2015







Vaccine delivery innovation: Uniject for pentavalent vaccine

- Prequalified in November 2014
- New delivery model:
 - Simplifies vaccine administration



- Facilitates outreach
- Will explore making available to Gavi-supported countries





5

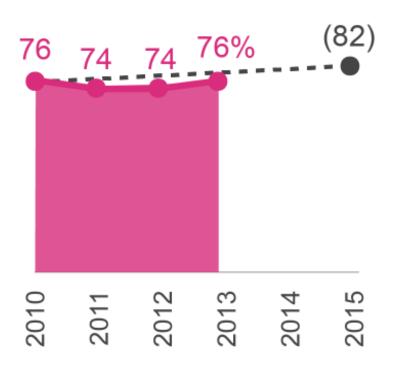
COVERAGE AND EQUITY





Immunisation coverage increasing: reaching more children than ever before

Coverage of third dose of DTP-containing vaccines increased to 76% in Gavi-supported countries

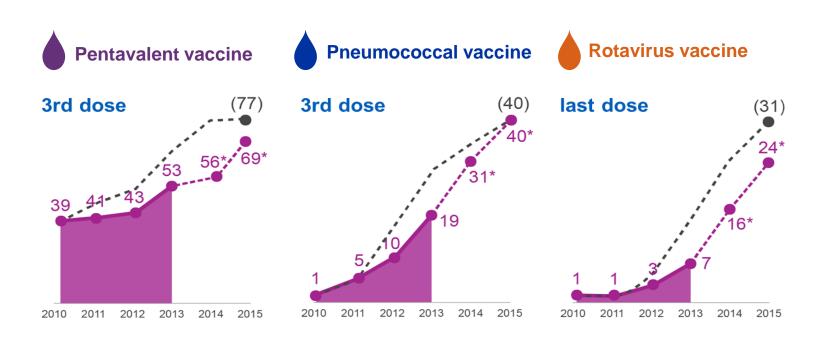


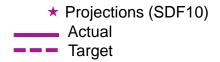
Source: WHO/UNICEF Estimates of National Immunization Coverage, July 2014.



Progress towards vaccine coverage goals, but still behind target

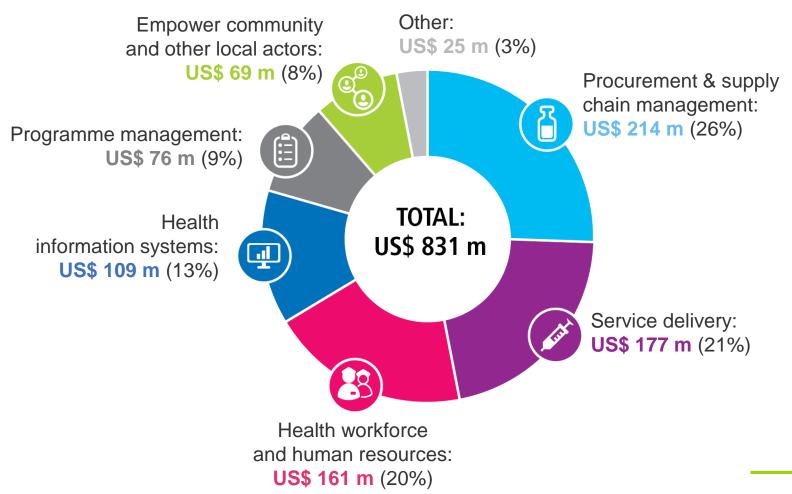
Coverage in Gavi-supported countries (%)







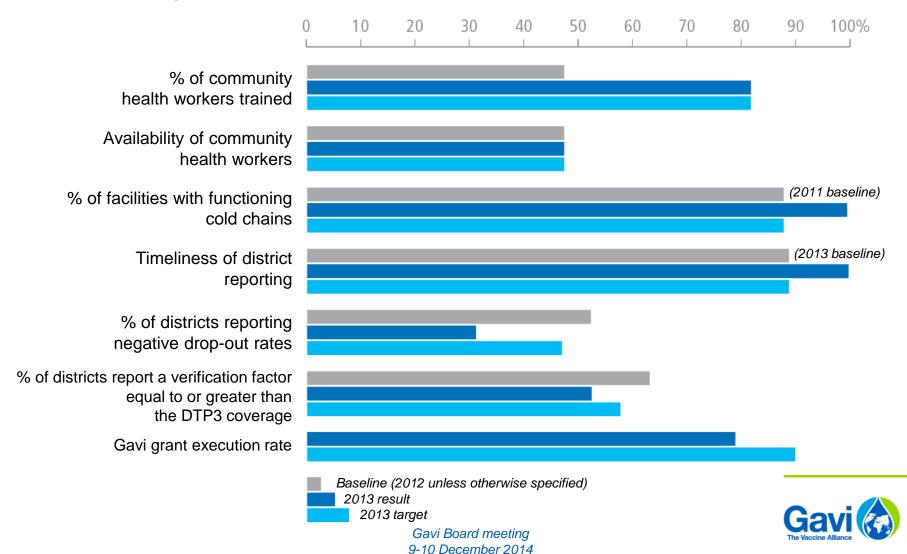
Investment for 36 HSS grants recommended for approval, January 2011 – October 2014





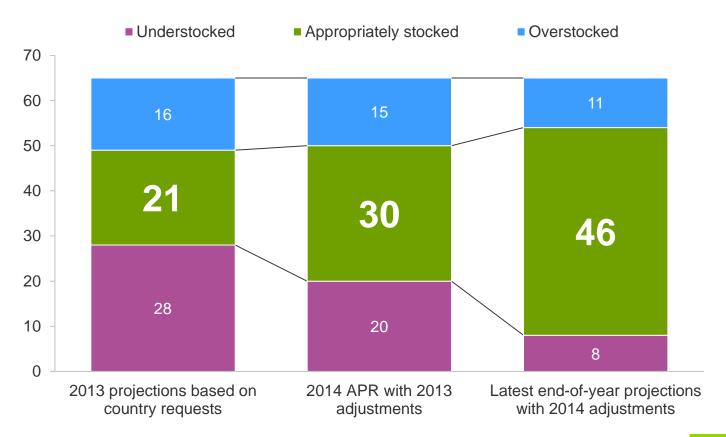
2013 intermediate results: Burundi

All but grant utilisation was stable or improved



Improvement of stocks – further improvement expected

Pentavalent vaccine - projected number of countries with "appropriate" stock levels (central warehouse + 1 level), by the end of 2014

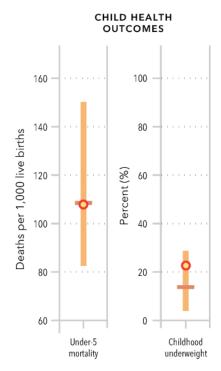


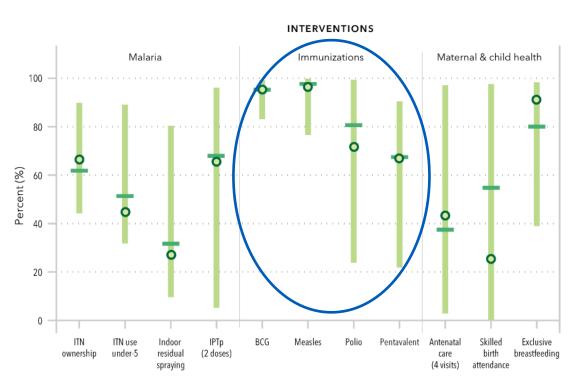
Definitions: Understocked = less than 4 months of stock, overstocked = more than 8 months of stock

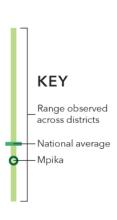


Full country evaluation: preliminary district level summary, Zambia



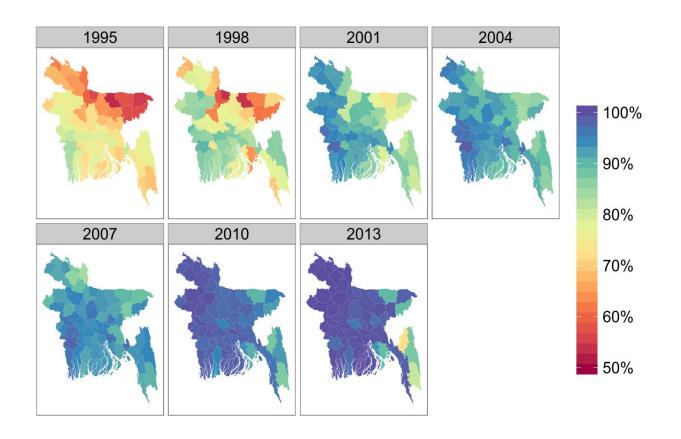






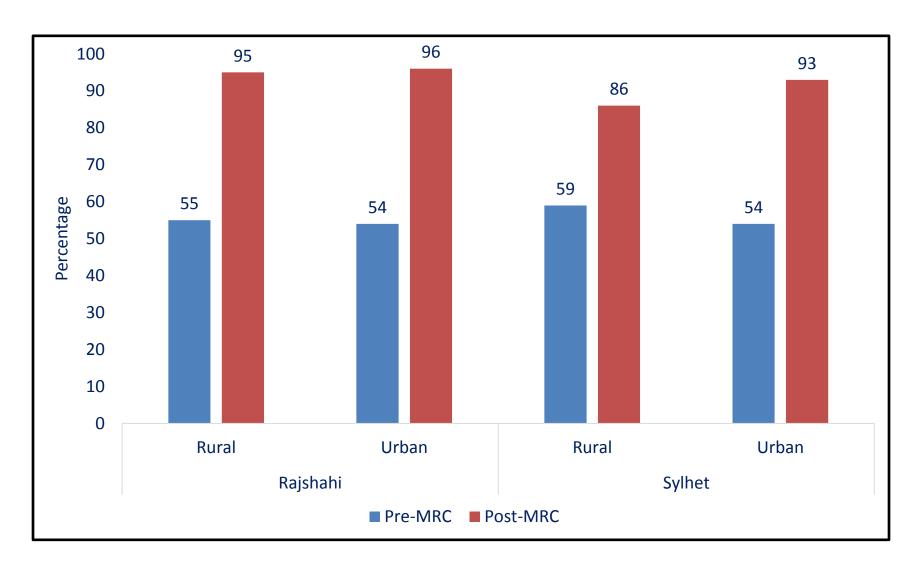
Full country evaluation: preliminary trends in sub-national coverage and equity, Bangladesh

DTP3-containing vaccination coverage by district, 1995-2013



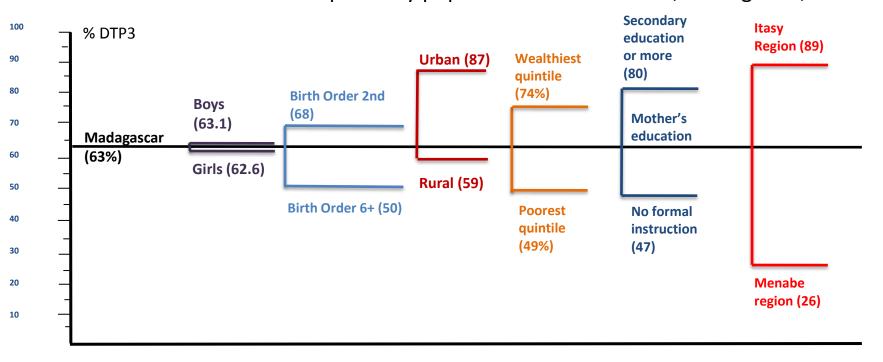


Full country evaluation: biomarkers for rubella antibody positivity in pre and post MR campaign, Bangladesh



Inequities in Immunization take many forms

Immunization inequities by population characteristics, Madagascar, 2011





Source: MDG survey, 2013; CI refers to 95% confidence interval; OR = Odds ratio

New programme review model: first year experience

- High-level panel: Gavi Secretariat, WHO, UNICEF and Independent Review Committee members
- 70 countries reviewed in 2014
- More in-depth look at programmes, strengthens links to business plan and HSS
- Workload for partners and Secretariat higher than expected – increased engagement and accountability
- Partner joint appraisals welcomed:
 - strengthens partnerships
 - grounds discussions in country context



Supply chain fund: Example – Mali support

- Gavi funded 110 solar fridges,
 24 electrical fridges + temperature
 recorders for 1,000 fridges to help
 prepare for rotavirus vaccine roll-out
- Because of catalytic aspect of Gavi supply chain fund, Mali government selffinanced 11 additional refrigerators
- Supply chain fund is financed by the ELMA foundation to help quickly address gaps







New Gavi-funded solar fridge and freezer in Maiduguri, Nigeria

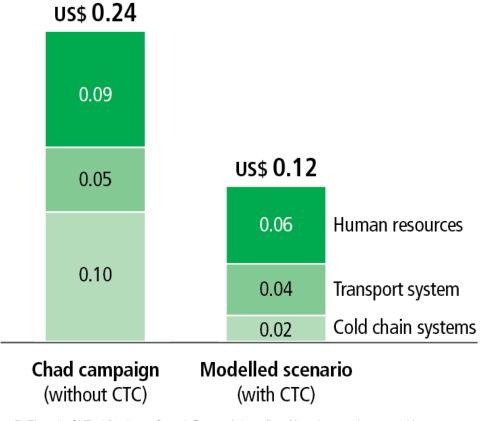
The only functioning fridge at Yarwa PHC





Controlled temperature chain (CTC) for meningitis A vaccines

Modelled impact on cold chain costs in three regions in Chad, 2011 (cost in US\$ per person vaccinated)



Note: data shown are actual costs recorded in the mass vaccination campaign run in three regions of Chad in Dedember 2011 and the costs estimated in a modelled scenario in which a CTC was implemented.

Source: Lydon P, Zipursky S, Tevi-Benissan C et al. Economic benefits of keeping vaccines at ambient temperature during mass vaccination: the case of meningitis A vaccine in Chad. *Bull World Health Organ* 2014;92:86–92.



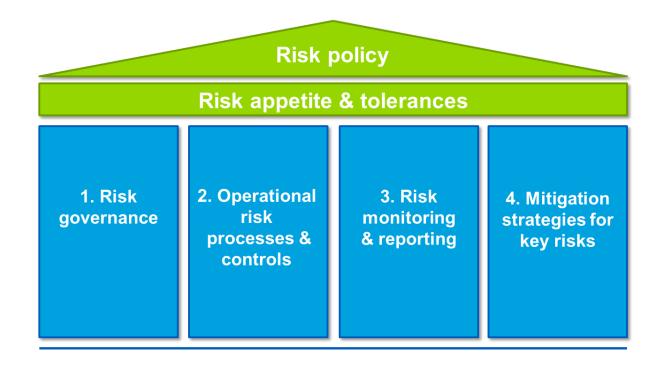
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RISK MANAGEMENT





First articulation of comprehensive risk management approach

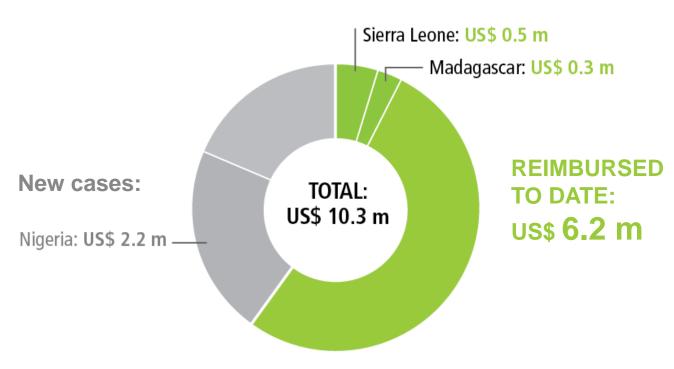


- Operationalisation: initial focus on strengthening fiduciary risk management in Gavi Secretariat
- Other elements to be developed as part of risk management implementation plan in 2015



Misuse of funds 2000–2014

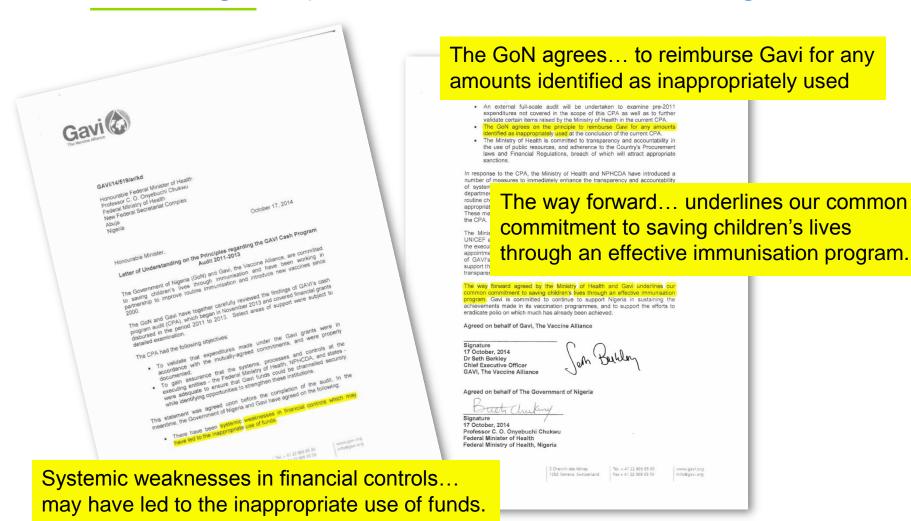
Repayments since the June Board meeting:



100% of countries have agreed to reimburse misused funds



Gavi-Nigeria joint letter of understanding



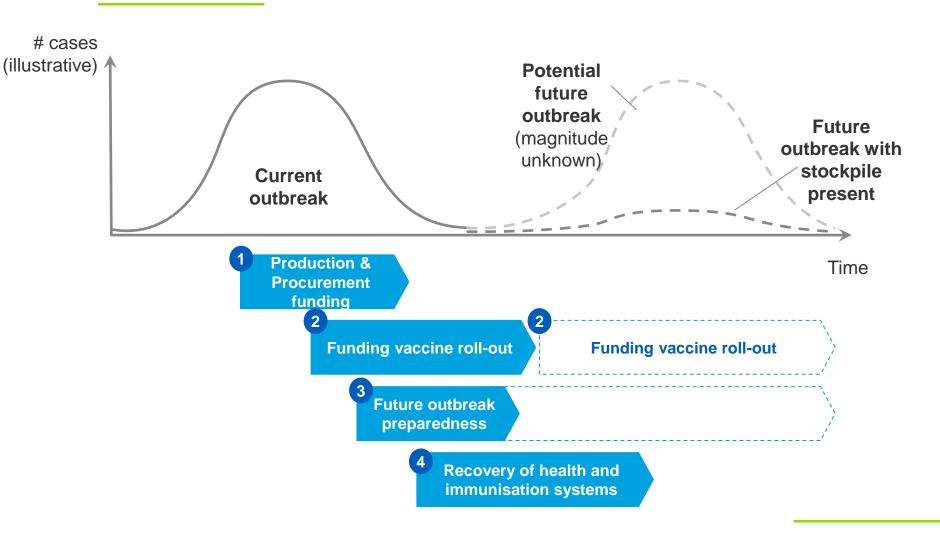


GOING FORWARD





Ebola: 4 recommended areas for Gavi action





Business plan 2015: a bridging plan

2015 A Transition Year

Culmination of 2011-2015

Consolidation of work

Gathering further momentum on current goals

Precursor to 2016-2020

Laying ground for coverage and equity

Country-level leadership, plans and implementation



Four main areas in implementation of 2016–2020 strategy

- 1 Country engagement model/ coverage & equity
- Plans for improving coverage & equity
- Gavi programme/support to improve coverage & equity
- Alliance model at country level

Global strategies, policies & programmes

Started:

- a) Supply chain
- b) Eligibility, graduation, co-financing
- c) Private sector
- d) ATAP
- e) Innovation/market shaping j)
- f) Data strategy

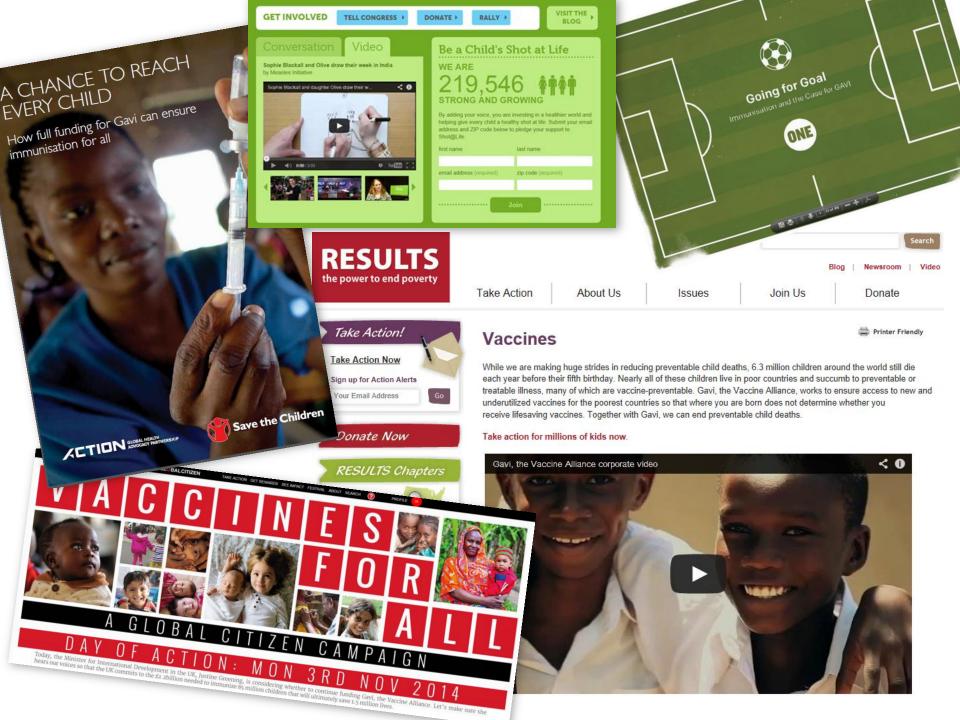
In pipeline:

- g) HSS formula
- h) Leadership, management& coordination
- i) Non-financial instruments for sustainability
- j) Demand generation

Business plan redesign

- New processes and funding
- Coordination & engagement mechanisms
- Organisational review
- Indicators & targets
- Develop indicators, baseline & targets







THE GLOBE AND MAIL

The New York Times

The Ebola Fia

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Monday, December 1, 2014 11:00 AM EST

Stephen Harpe 11 Francinces \$500 million in

global vaccina

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ACTUALITÉ

VIDÉOS

SPÉCIALIT

L'alliance GAVI : 7,5 millia nécessaires pour vacciner 310w

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251

thestar.com (

2014年(平成26年) 11月5日(水曜日)

4.202

2.68M

FAVORITES 9

Schutz durch Affenvire

TOP STORIES MEDIA CENTER PROGRAM Bill Gates praises German invest global health

ill Gates has met with Angela Merkel in Berlin. The former Micr



yuvraj singh @

@YUVSTRONG12

As of November, #India will protect infants like this little guy against 5 diseases with one #vaccine... instagram.com/p/uvel lell-

Skär inte ner på vaccinet, Lövin

Speed Science: The Global Hunt for an Ebo

By Veronika Hackenbroch, Markus Grill and Katrin Elger



Featuring fresh takes and real-time analysis fro HuffPost's signature lineup of contributors



Director of Vaccine Delivery, Bill and Melinda Gates Foundation

Roaring Ahead to End Meas Posted: 07/08/2014 12:05 pm EDT | Updated: 09/07/2014 5:59 am EDT

PAYING FOR IMMUNISATION - WH Moderaterna: Regeringen kliver snett i biståndets SHOULD GIVE WHAT TO GAVI?

Wednesday 5 November 2014



Sveriges biståndsminister, Isabella Lövin (MP), sa nyligen till SvD att non kan tänka sig att dra ned på de livsviktiga vaccinprogrammen. Med sin satsning på FN:s Gröna klimatfond visar den rödgröna regeringen ydligt att den har stora problem med sina prioriteringar och finansiering.



Gavi Board meeting 9-10 December 2014



The long-term cure for Ebola: An stment in health evetome







lmmunizing Africa, col<mark>devex*impac*t</mark> healthy future for all

Diseases

How immunize the

BY NEWS HEALTH

Ebola: Why is it this dis

³M pledges \$500M to vaccinating kids worldwide



global health needs the private sector



REUTERS EDITION: U.S.

Fixing 'Ebolanomics' in pursuit of vaccines and drugs

BY KATE KELLAND AND BEN HIRS Franffurler Allgemeine LONDON Thu Oct 23, 2014 10:48am E

SONNTAGSZEITUNG

Frankfurter Allgemeine Sonntagszeitung, 30.11.2014, Nr. 48, S. 56

Botschafterinnen in Sachen Krebs

Afrika kennt noch andere Probleme als Ebola. Gegen Viren, die Krel führt sie jetzt ein.

ogress towards Ebola vaccine would een faster had bioterrorism

ch been completed

ne alliance chief Dr Seth Berkley says waning fear of biological attack a work started a decade ago



Building global momentum





Germany Leadership in action

"Together, we can support Gavi, the Vaccine Alliance in its endeavour to vaccinate 300 million children between 2016 and 2020, thus helping to save lives. Together, we can succeed in reaching all children in our world and giving them the chance to live a healthy life"

Dr Angela Merkel German Federal Chancellor



Reach every child: Gavi pledging conference

Berlin, 27 January 2015





15 years of saving lives: what we have achieved together





- > 280 intros & campaigns
- From 3 to 11 vaccines
- Pentavalent in 73/73 countries
- Injection safety in 68 countries
- HSS support to 65 countries
- Pneumo vaccine in 45 countries
- HPV support to 24 countries
- US\$ 9bn committed
- US\$ 5bn via vaccine bonds
- US\$ 250m in co-financing
- Pentavalent price down 40%
- From 5 to 16 vaccine suppliers
- Vaccine coverage up to 76%
- 500m children immunised
- > 6m future deaths prevented



15 years of saving lives: what we have achieved together



YEARS
OF SAVING
LIVES
TOGETHER



THANK YOU



