### **CEO BOARD UPDATE**

Dr Seth Berkley



A zero-dose child awaits her first vaccination in the Sundarbans, India



# In memory of our beloved colleague Danny Graymore OBE

Gavi Board member representing the United Kingdom, 2016–2019











# 2022 advocacy, resource mobilisation to close financing for the COVID-19 vaccine equity gap

19 January 2022

# Gavi COVAX AMC Investment Opportunity



8 April 2022

# Break COVID Now Summit



12 May 2022

# 2nd Global COVID-19 Summit





# US\$ 5.2 billion

in pledges to COVAX to accelerate COVID-19 vaccinations



## Recognition for gender equality



#### Very high scoring organisation

"Seeing [women leaders] in action can be hugely inspirational for staff, setting off a virtuous cycle of women inspiring women. I have seen how women leaders sitting on these boards have the domino effect of dismantling gender stereotypes."

**Anuradha Gupta** 

Deputy CEO of Gavi, the Vaccine Alliance



March 2022: second re-certification

GAVI, THE VACCINE ALLIANCE IS NOW EQUAL-SALARY RFCFRTIFIFD





# **Evaluations: pivotal opportunities** for learning, course correction

#### **Completed evaluations**



Annual review score "A" "outputs met expectations"

#### **MOPAN** assessment



Network of 21 donor countries to assess Gavi as one of 7 organisations in 2022 assessment cycle; Republic of Korea, Sweden and USA cochairing new evaluation

# Other evaluations in progress/forthcoming

- independent evaluation of Gavi's initial response to COVD-19
- 2 COVAX Facility & AMC multi-stage independent evaluations; many more expected
- 3 centralised evaluations, including Mid-Term Evaluation (MTE) of Gavi 5.0



# Welcome to Catherine Russell

**UNICEF's eighth Executive Director** started on 1 February 2022

unicef for every child



# Welcome to Anne Schuchat ... and thank you to Helen Rees

Incoming and outgoing Chairs
Programme and Policy Committee (PPC)
Gavi Board





# Climate change: elevated risk of disease

#### Famine, forced displacement in East Africa



FAO ramps up support to Sudan farmers as starvation threat grows in Fast Africa

#### Post-cyclone cholera outbreaks (2019)



Cholera surges, children in urgent need one month after Idai slammed southern Africa: UNICEF

#### Increasing temperatures, range of mosquito-borne diseases, viral spillovers



UN health agency launches bid to stop a new global pandemic

#### nature

Article Published: 28 April 2022

Climate change increases cross-species viral transmission risk



#### The New York Times

April 28, 2022

### Climate Change Will Accelerate Viral Spillovers, Study Finds

In a warming world, bats in Southeast Asia will be especially prone to spreading viruses to other mammals, researchers found.

Drought, cyclones and arboviruses headlines and photos from UN News (https://news.un.org)



### **CORE PROGRAMMES UPDATE**



### COVID-19 pandemic & RI disruptions: Asia (SEARO) more impacted than Africa (AFRO)

#### Weighted relative difference in #DTP3 vaccinated in 2022, 2021 and 2020 compared to 2019





1. 53% of Gavi57 surviving infant population in AFRO represented by countries consistently reporting data through March 2022

2. 97% of Gavi57 surviving infant population in SEARO represented by countries consistently reporting data through December 2021

2021 estimates based on reported administrative data; WUENIC data expected mid-July 2022 for definitive assessment on Gavi targets Aggregate level: 3.8% decline in DTP3 coverage in 2021 versus 2019 Excluding India, Myanmar: 0.7% decrease in DTP3 coverage in 2021 versus 2019



# Navigating political, economic instability to restore routine immunisation in Myanmar

#### Dire situation for routine immunisation

- DTP3 coverage drop from 84% in 2020 to 37% in 2021 (Ministry of Health administrative data; DHIS2)
- Gavi and Alliance partners working to get Expanded Programme on Immunization (EPI) back on track

#### **National COVID-19 immunisation programme**

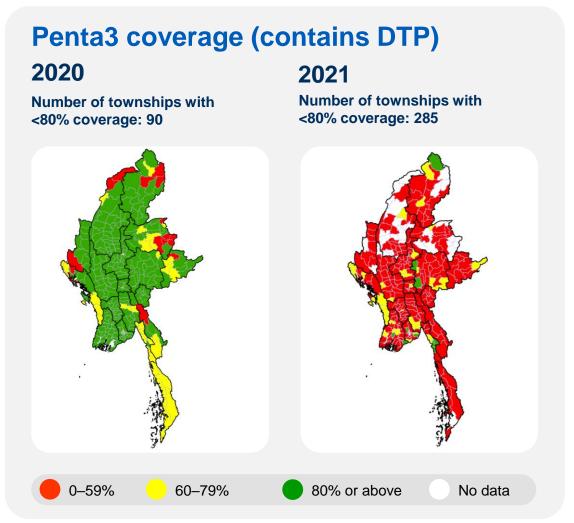
- 25M people (46%) fully immunised; all doses via bilateral procurements
   & donations
- High coverage rate masking inequities: conflict-affected areas have not received vaccines

#### March 2022:

- Agreement between Ministry of Health (military regime), UN & Gavi for equitable immunisation in non-government controlled and conflict-affected regions
  - included pilot COVID-19 vaccination through ICRC & Ethnic Health Organisations (EHOs), supported by Gavi COVAX AMC

#### May 2022-present:

Impasse – government refusal to work with EHOs;
 UN, WHO, UNICEF & Gavi continue dialogue with government on solutions



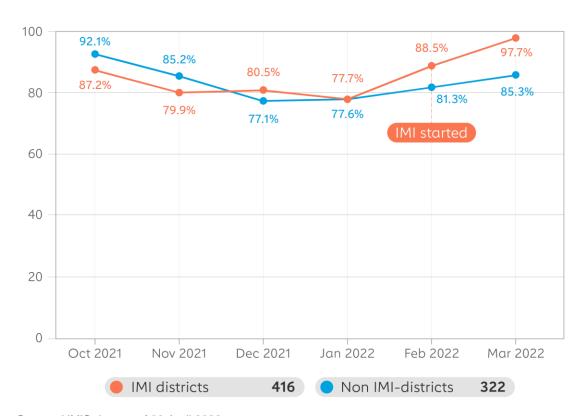


# Revamping RI: progress in India through Intensified Mission Indradhanush (IMI 4.0)



#### Full immunisation coverage (%)

October 2021–March 2022



- Three rounds, starting February 2022\*
  - 11 states & UTs\*\*: February–April 2022
  - 22 states & UTs: March–May 2022
- ~6 million children vaccinated by 9 May 2022\*\*\*
- National Family Health Survey to identify districts with most zero-dose children, highest inequity:
   >27,000 zero-dose children reached\*\*\*\*
- Interim data until WUENIC available in July 2022

Sources: \*Government of India (GoI) \*\*UTs: Union Territories \*\*\*IMI 4.0 Portal (all rounds data), GoI \*\*\*\*IVB, WHO HQ

Source: HMIS data as of 20 April 2022



### **Alliance support for Ukraine**

#### **COVID-19 vaccines:**

- >8.4M doses shipped by 19 January 2022; Ministry of Health (MOH) paused shipments in February after the war began
- ~1.2M doses anticipated to be shipped between July and December 2022 (after MOH requested allocations to resume)

#### **COVAX** cold chain equipment (CCE) support:

To be delivered: 12 walk-in cold rooms; voltage stabilisers; remote temperature monitoring devices (total investment + shipping: ~US \$ 770,000)



### Nigeria: RI progress in Accountability Framework (AF)

#### AF reviewed; to be refined

- Improvements in national immunisation coverage rates (+23pp for penta3 2016–2021)
- Co-financing obligations met despite fiscal, pandemic challenges
- Varied progress across other indicators

#### **Strategies to support RI**

- Development of integrated strategies to reach zero-dose populations
- Investing in building resilient health systems
- Adequate and timely release of government funds
- Strengthening supply chain management

#### **Challenges**

- RI system lacks resilience;
   risk of outbreaks
- Highest # of zero-dose children in Africa
- Reliable COVID-19 vaccine delivery, uptake, demand







Gavi high-level trip to Nigeria (23–25 February 2022) with 62 participants



# **Zero-Dose Immunization Programme (ZIP)** contracts signed

**ZIP** is an Equity Accelerator Fund (EAF) initiative

Transformative shift in working with **humanitarian** partners, NGOs & CSOs in settings facing humanitarian crises

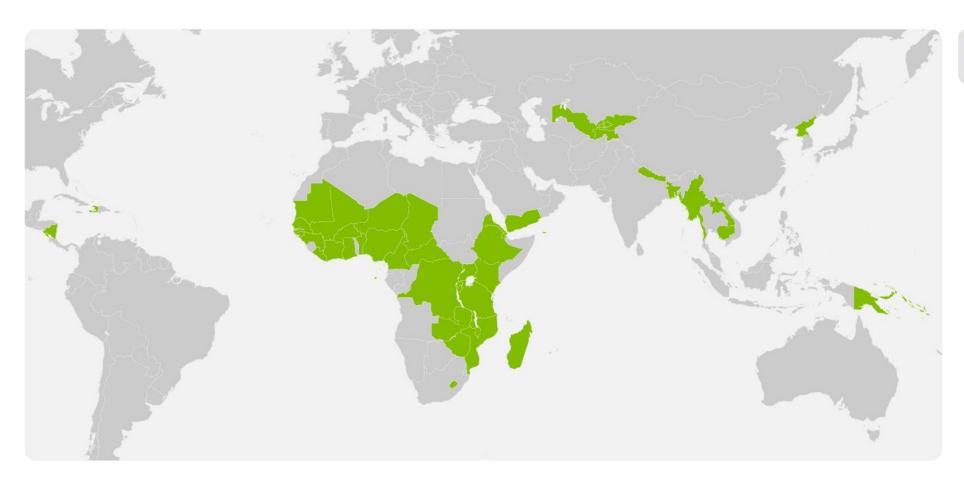
New **regional humanitarian partnership** to reach zero-dose children in fragile, conflict and cross-border settings in 11 countries

Gavi funding consortia\* led by World Vision (Sahel) & International Rescue Committee (Horn of Africa)



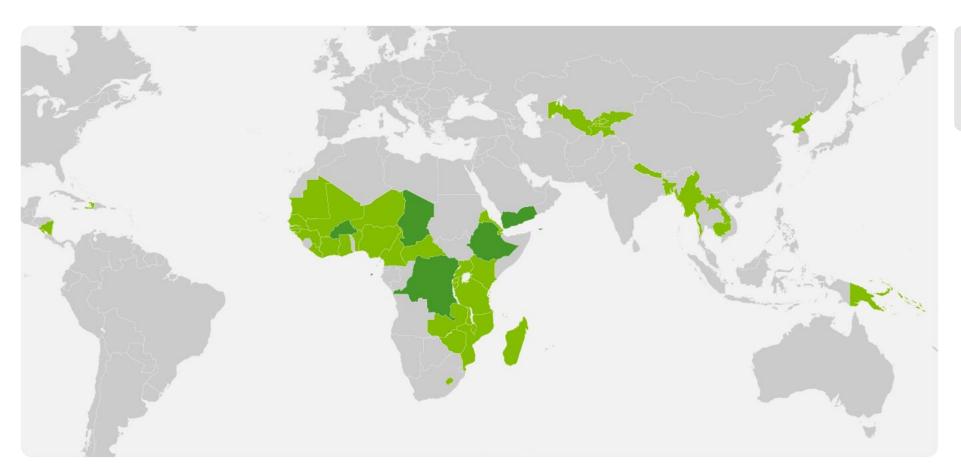
Drought, food insecurity, malnutrition Violence, displacement **Nomadic populations** 

<sup>\*</sup> World Vision (Sahel): Burkina Faso, Cameroon, Central African Republic, Chad, Mali, Niger, Nigeria; International Rescue Committee (Horn of Africa): Ethiopia, Somalia, South Sudan, Sudan



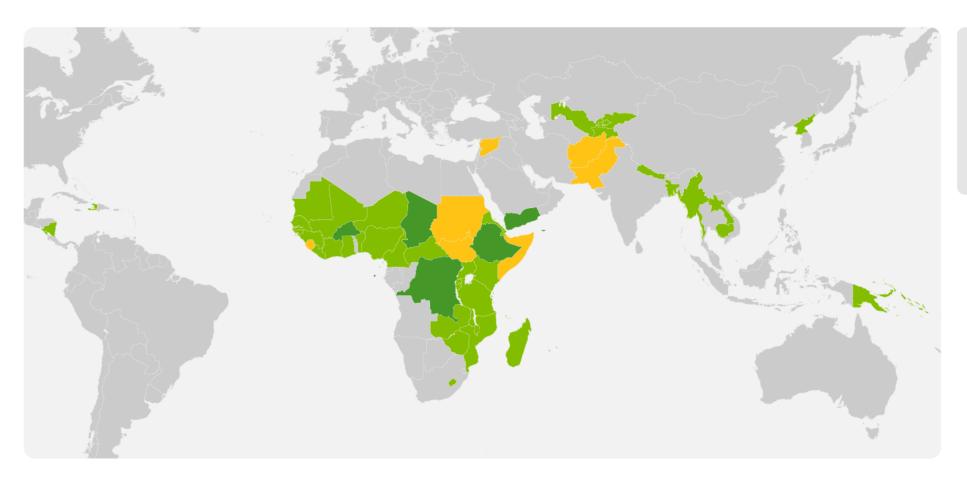
Countries which have paid 2021 co-financing (48)





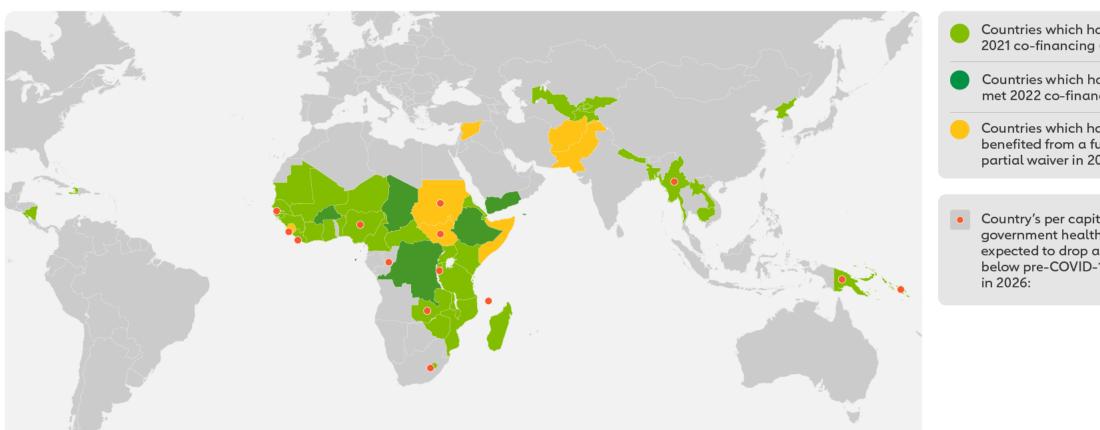
- Countries which have paid 2021 co-financing (48)
- Countries which have already met 2022 co-financing (5)





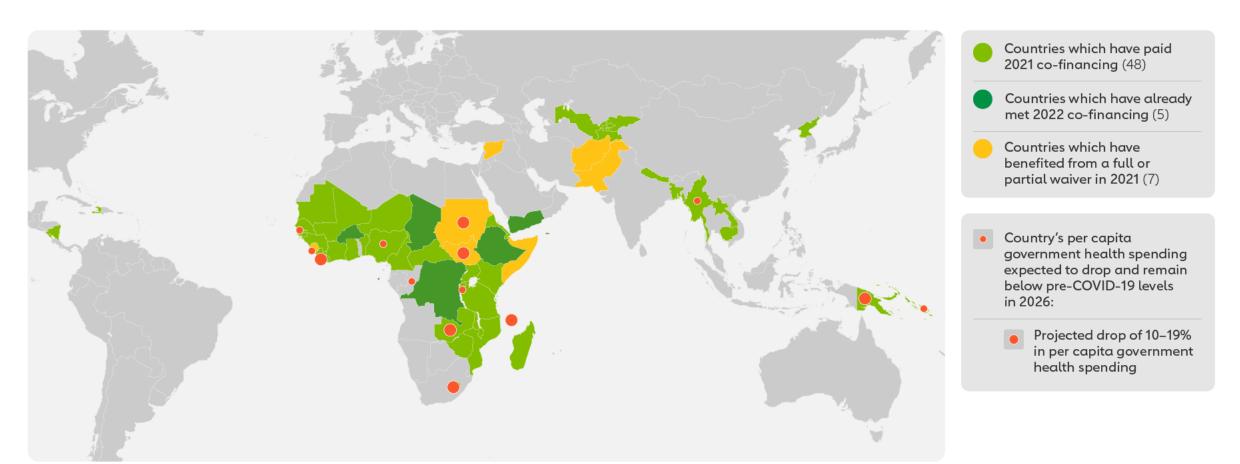
- Countries which have paid 2021 co-financing (48)
- Countries which have already met 2022 co-financing (5)
- Countries which have benefited from a full or partial waiver in 2021 (7)



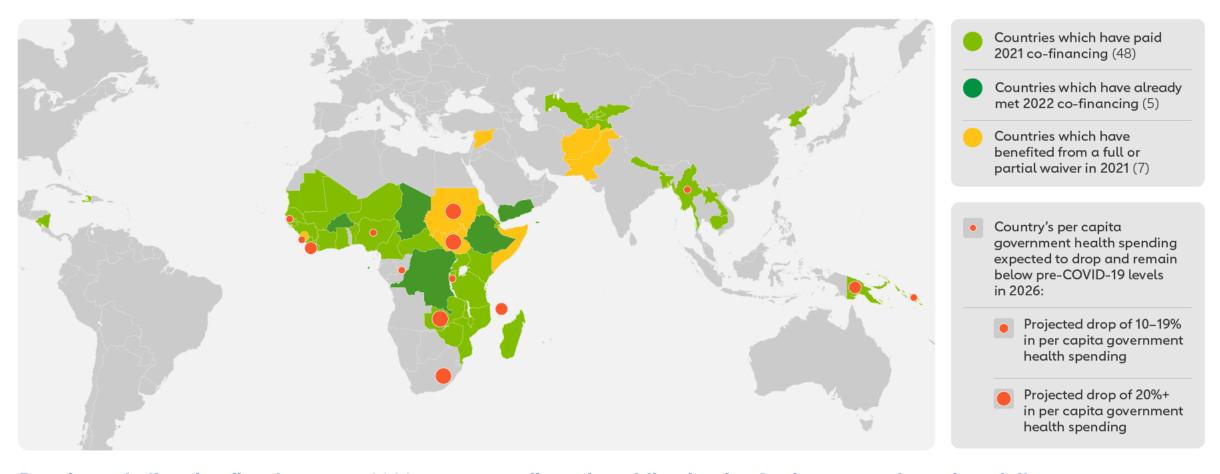


- Countries which have paid 2021 co-financing (48)
- Countries which have already met 2022 co-financing (5)
- Countries which have benefited from a full or partial waiver in 2021 (7)
- Country's per capita government health spending expected to drop and remain below pre-COVID-19 levels











# Updates on key vaccine programmes

### Routine & EPI vaccine programmes





2022: 10 WPV1 cases;

VDPV2 from environmental surveillance, London, UK

Last 12 months: >600 cVDPV cases

Priorities: campaign quality; FPP to target lowperformance areas, integration; adequate supply except nOPV

#### **Outbreak disease programmes**

#### Measles



Past 12 months: 22 large or disruptive outbreaks

Aligning zero-dose agenda & targeted vaccine use

### Stockpile diseases



#### 2022 doses approved:

- Oral cholera vaccine:

   14.9M doses (82% of all doses approved in 2022)
- Ebola vaccine: 1.570 doses
- Yellow fever vaccine: >3M doses
- Meningococcal vaccine: >207,000 doses

#### **Evolving & emerging vaccine programmes**

#### **HPV**



- Coverage decline continues
- Aiding recovery:
- SAGE one-dose guidance
- supply improvement

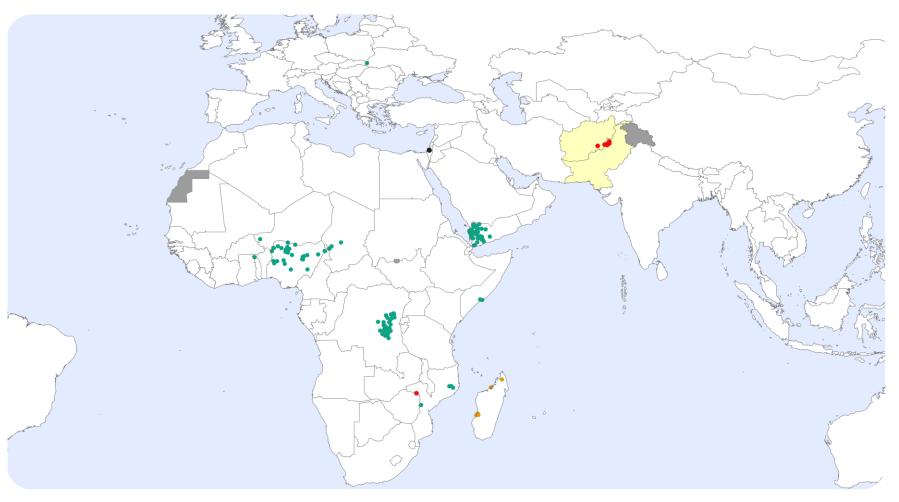
#### Malaria



- Progress in design, operationalisation of malaria vaccine programme; ongoing assessment of risks
- On Board agenda



# Routine & EPI vaccine programmes: polio update



<sup>1</sup>Excludes viruses detected from environmental surveillance; <sup>2</sup>Onset of paralysis 15 December 2021 to 14 June 2022

Source: https://polioeradication.org/polio-today/polio-now/. Accessed: 21.06.2022.

### Global WPV1 & cVDPV cases<sup>1</sup>, previous 6 months<sup>2</sup>

#### WPV1 cases (latest onset)

 Pakistan
 8
 15.05.22

 Mozambique
 1
 25.03.22

 Afghanistan
 1
 14.01.22

#### cVDPV1 cases (latest onset)

Madagascar 5 27.03.22

#### cVDPV2 cases (latest onset)

DRC	51	06.04.22
Nigeria	27	02.04.22
Mozambique	4	26.03.22
Chad	5	25.03.22
Yemen	55	03.03.22
Niger	2	22.02.22
Somalia	2	18.02.22
Togo	1	21.01.22
Ukraine	1	24.12.21

#### cVDPV3 case (latest onset)

Israel 1 12.02.22



# Measles outbreaks: sub-national mapping to trace under-served communities

Large or disruptive outbreaks (last 12 months)\*



Measles outbreaks, when mapped sub-nationally, may be useful tracers for under-served communities, allowing targeted use of Gavi support for outbreak response, HSS and EAF funding windows

\*In the frame of tracking progress towards the goals of Immunization Agenda 2030 (IA2030), an indicator has been developed by a working group in order to represent large and disruptive measles outbreaks. This indicator is defined as an incidence equal or greater than 20 reported measles cases per million population over a period of 12 months.

Notes: Based on data received May 2022 and covering period April 2021–March 2022. Incidence: number of cases/1M population. Population data: World population prospects, 2019 revision.

Gavi-supported country	Rate/M
Somalia	531
Liberia	347
Nigeria	106
Yemen	88
Afghanistan	81
Côte d'Ivoire	80
Guinea	58
Mali	57
Cameroon	57
Congo	56
Chad	49
DRC	46
Niger	40
Pakistan	36
Ethiopia	36
Togo	36
CAR	35
Burkina Faso	29
Sudan	24
Mozambique	23
Comoros	21



# Measles outbreaks: sub-national mapping to trace under-served communities

Large or disruptive outbreaks (last 12 months)\*



Measles outbreaks, when mapped sub-nationally, may be useful tracers for under-served communities, allowing targeted use of Gavi support for outbreak response, HSS and EAF funding windows

\*In the frame of tracking progress towards the goals of Immunization Agenda 2030 (IA2030), an indicator has been developed by a working group in order to represent large and disruptive measles outbreaks. This indicator is defined as an incidence equal or greater than 20 reported measles cases per million population over a period of 12 months.

Notes: Based on data received May 2022 and covering period April 2021–March 2022. Incidence: number of cases/1M population. Population data: World population prospects, 2019 revision.

Gavi-supported country	Rate/M
Somalia	531
Liberia	347
Nigeria	106
Yemen	88
Afghanistan	81
Côte d'Ivoire	80
Guinea	58
Mali	57
Cameroon	57
Congo	56
Chad	49
DRC	46
Niger	40
Pakistan	36
Ethiopia	36
Togo	36
CAR	35
Burkina Faso	29
Sudan	24
Mozambique	23
Comoros	21



# Measles outbreaks: sub-national mapping to trace under-served communities

Large or disruptive outbreaks (last 12 months)\*



Measles outbreaks, when mapped sub-nationally, may be useful tracers for under-served communities, allowing targeted use of Gavi support for outbreak response, HSS and EAF funding windows

\*In the frame of tracking progress towards the goals of Immunization Agenda 2030 (IA2030), an indicator has been developed by a working group in order to represent large and disruptive measles outbreaks. This indicator is defined as an incidence equal or greater than 20 reported measles cases per million population over a period of 12 months.

Notes: Based on data received May 2022 and covering period April 2021–March 2022. Incidence: number of cases/1M population. Population data: World population prospects, 2019 revision.

Gavi-supported country	Rate/M
Somalia	531
Liberia	347
Nigeria	106
Yemen	88
Afghanistan	81
Côte d'Ivoire	80
Guinea	58
Mali	57
Cameroon	57
Congo	56
Chad	49
DRC	46
Niger	40
Pakistan	36
Ethiopia	36
Togo	36
CAR	35
Burkina Faso	29
Sudan	24
Mozambique	23
Comoros	21



### Ebola virus disease: Democratic Republic of the Congo

### 21 April 2022: 14th Ebola outbreak notified in DRC

To date: 5 fatal cases reported

3 July 2022: Declared over if no new confirmed cases

**Rapid response:** 

**27 April:** vaccination initiated with leftover Ervebo from previous shipment

**6 May:** ICG approval of new shipment

To date: 1,628 individuals vaccinated

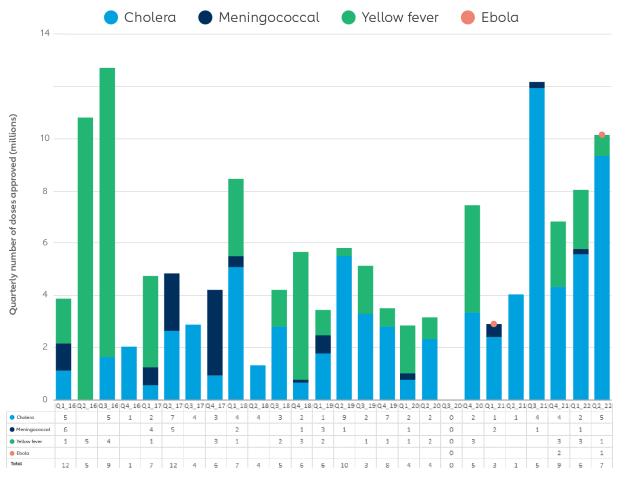
2021: 3 outbreaks, rapidly contained





# Recent increase in oral cholera vaccine (OCV) outbreak response; yellow fever, meningococcal steady

#### Quarterly number of doses approved by ICG



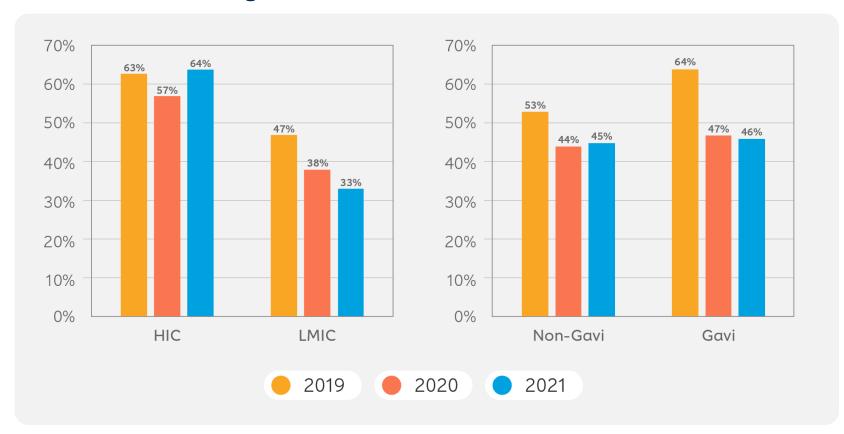
- Large OCV vaccination campaigns
   launched in countries (e.g. Nigeria,
   Ethiopia, Pakistan, Bangladesh) following confirmation of cholera outbreaks & areas affected by conflict and natural disasters (e.g. cyclones)
- Gavi working to shift focus to preventive
   OCV campaigns, facilitated by improved diagnostic testing for better targeting, understanding of cholera risks

Note: Ebola doses in thousands (4,800 doses in Q4-2021 & 1,570 in Q2-2022) versus other stockpile antigens in millions.



# HPV vaccine programme: coverage challenges continue; SAGE single-dose guidance could be instrumental for recovery/expansion

#### **HPV** vaccine coverage in countries that have introduced\*



#### **Key challenges**

COVID-19: de-prioritisation, disruption & delays

Supply constraints: delayed vaccine introductions, catch-up campaigns

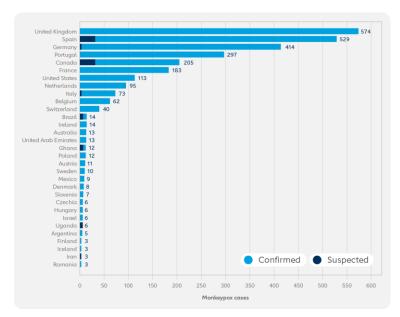
Challenges in health care delivery to adolescents (e.g. pandemic-related school closures)

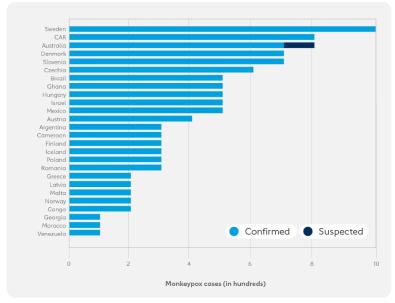


<sup>\*</sup>Preliminary average coverage data: aggregated by income levels, regions and Gavi eligibility (n=75 countries). Source: IVB database, 2021 eJRF draft estimates. Full eJRF due July 2022. Gavi analysis to be done concurrently with WUENIC update available in July 2022.

# Vaccine living assessment for diseases of epidemic & pandemic potential: monkeypox

Per Gavi Board guidance (2018)





Source: Airfinity (dated: 20220621, 1317hr CEST)

Total confirmed cases: 2,781 across 54 countries

Source: WHO (dated: 20220615, 1700hr CEST)

Total confirmed cases: 2,103 across 42 countries

Endemic in 11 African countries (including 10 Gavi-supported countries)\* Since January 2022, there have been 109 confirmed and 1,488 suspected cases of monkeypox\*\*

\*WHO \*\* Based on latest data from Africa CDC (Accessed 20.06.2022)

#### **Assessment:**

- Not currently recommended to support a monkeypox vaccine stockpile for Gavisupported countries (for health care workers or close contacts aged <50 years) due to relatively limited burden in endemic countries
- Situation to be monitored closely due to rapid evolution of disease globally and increased cases/surveillance in AFRO
- Recommendation may be updated as more information becomes available
- 23 June: WHO meeting to determine PHEIC
- Gavi: engaging with partners to identify how to best support global efforts to contain monkeypox equitably



# Leveraging, scaling up innovations for programmatic impact: digital health information strategy

#### Criteria to prioritise six digital health information interventions

Interventions aligned with Gavi's mission & comparative advantage

Unmet needs in Gavi-supported countries

Evidence & high return on investment



Identifying, reaching zero-dose & under-immunised children
GIS, digital microplans, birth notification, satellite identification of settlements



Effective sub-national data use integration of data sources, interactive dashboards



Digital Supply Chain Information System eLMIS, remote temperature monitoring, enhanced visibility of health facility stock data



Digital interventions supporting vaccine confidence, demand for immunisation mobile app, SMS, AEFI electronic monitoring



Real-time campaign planning, monitoring daily monitoring of coverage, stock and AEFI data; interactive dashboards



Electronic VPD surveillance data exchange for targeted vaccination & outbreak response integrated electronic surveillance systems, from case notification to lab investigation

Acronym list: GIS – geographic information system; eLMIS – electronic logistics management information system; AEFI – adverse events following immunisation



# From strategy to operationalisation: supporting Cambodia in planning investment for Digital Health Information

#### Catalytic investments building on other funding

Building on malaria programme investments in GIS



Identification and reach of zero-dose & underimmunised children

Satellite identification of settlements for better population estimation Expand from COVID-19 to routine immunisation



Digital supply chain information system

Expand vaccine management system to evolve into eLMIS and real-time temperature monitoring system

Support sustainable solution & scale up an effective intervention



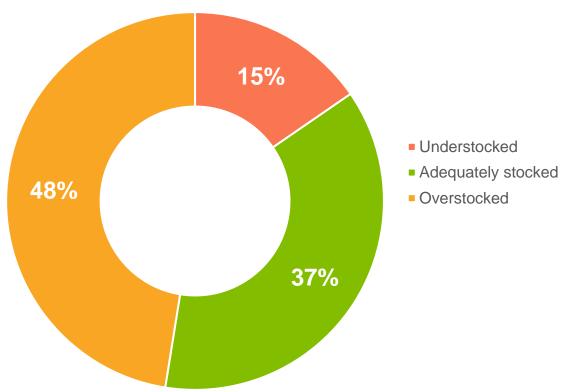
Effective sub-national data use

with integration of data sources, interactive dashboards



# Comprehensive Vaccine Management (CVM): strengthening programme efficiency, equity

Gavi-funded vaccines: 2021 year-end stock adequacy (aggregate level)



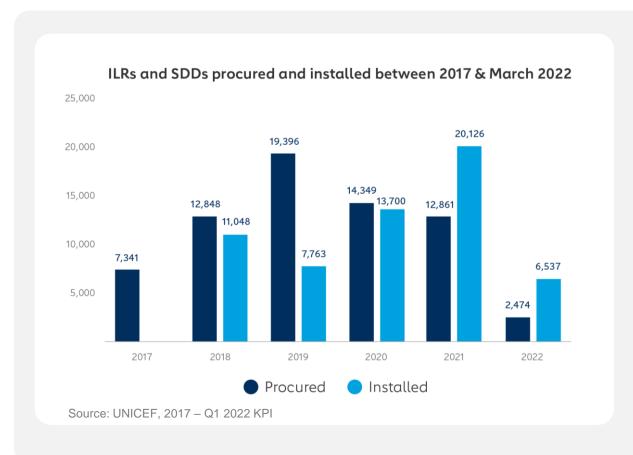
#### **Key highlights**

- Course correction: cross-Alliance efforts to improve stock visibility systems, efficiency
- Significant variations in stock adequacy pose programmatic (equity, efficiency) and financial risks to Gavi and countries
- Efforts to strengthen CVM through forecasting and supply planning; data use; stock management practices; governance; wastage tracking/mitigation (all linked to Alliance's updated immunisation supply chain strategy)

Source: 2021 year-end stock for vaccine renewals reported by 50 Gavi-supported countries



# CCEOP has procured nearly 70,000 units since 2017, addressing half of all health facility needs in Gavi-supported countries



- CCEOP installations continued to scale up in 2021 despite COVID-19 pandemic
- 50% of estimated health facility-level refrigerator needs now met
- 60% of units solar-powered, enabling countries to provide services in off-grid facilities, better reach zero-dose children
- Recently completed CCEOP evaluation:
  - **Improvements** in storage capacity; EPI service provision; CCE planning, management
  - Challenges in service bundle cost; price sensitivity; maintenance; warranty utilisation
- Delays in 5.0 applications remain a challenge



### **COVAX UPDATE**



### **COVAX achievements**



By Africa Day, COVAX has shipped 500M doses to Africa

#### **31 December 2019**

Cluster of cases of pneumonia reported in Wuhan, Hubei Province

#### 8 December 2020

First vaccination with an EUA-approved vaccine in a high-income country

1 March 2021

First COVAX doses administered in Africa

11 September 2021

COVAX has shipped 250M doses

8 April 2022

Pandemic Vaccine Pool launch

2022

2020

10 January 2020

First novel coronavirus genome sequence made publicly available

15 January 2022

COVAX has shipped 1bn doses

20 May 2022

COVAX has shipped 1.5bn doses

THO TECTED

2021

16 January 2021
First vaccination
with COVAX doses

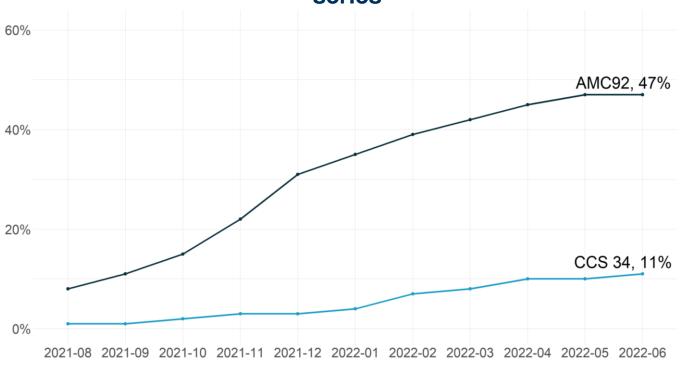
1.5bn doses

2019



# Despite overall progress, increased coverage uneven across COVAX AMC; high-risk populations still not fully reached as priority

# COVID-19 vaccination coverage with complete primary series<sup>1</sup>



#### Older adult coverage



Decrease driven by methodology changes

#### Health care worker coverage



+0% since end March 2022

Source: WHO COVID-19 Vaccine Dashboard; data as of 16 June 2022

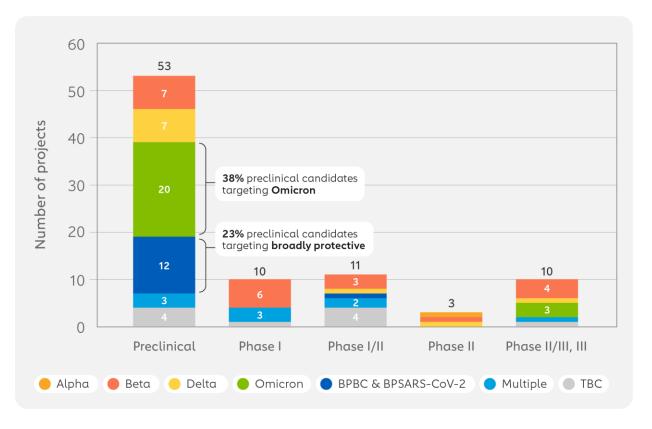


<sup>1.</sup> Two AMC economies not vaccinating: DRPK and Eritrea; countries with concerted support (CCS)

### COVID-19 vaccine pipeline continues to develop; COVAX continues to monitor developments, update portfolio strategy

- R&D pipeline continues to search for vaccines that can better protect against transmission, infection and disease
  - In near term, search focuses largely on variant-adapted and multivalent vaccines
  - In mid- to longer term, focus shifting to broadly protective coronavirus vaccines, as well as new innovations such as delivery strategy (mucosal, nasal, oral, etc.)
- As uncertain trajectory of pandemic continues to unfold, there may be need for such vaccines
- COVAX will continue to monitor R&D pipeline, including through CEPI's investments, and will continue to adjust its portfolio strategy – including through procurement of new vaccines via Pandemic Vaccine Pool, if and when needed

# Current development pipeline of COVID-19 variant-specific vaccines<sup>1</sup>



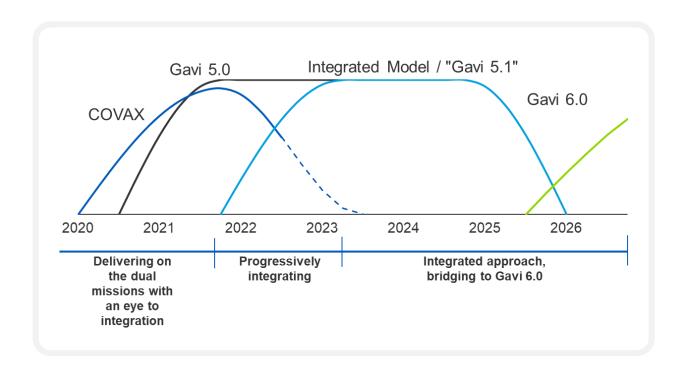
1. Source: CEPI, June 2022. Based on publicly available information from vaccine candidates based on variants.



### LOOKING AHEAD



# **Gavi 5.1: evolution of Gavi 5.0 in context of pandemic, COVAX lessons**



#### Four themes to be explored

- Implications of COVID-19 pandemic (vaccination, learnings, impact on RI) on Gavi's strategic priorities
- Possible design of a COVID-19 vaccine programme, aligning future COVID-19 vaccine support with core Gavi programmes
- Building on Gavi's historic contributions to pandemic preparedness and response (PPR) and new learnings from COVID-19, how Gavi's role in PPR might evolve
- Evolution of Gavi's integrated organisational setup, business processes



## Pandemic preparedness & response

#### Gavi's inherent role in PPR

- Core mandate: country-driven approach, drive for vaccine equity, reaching zero-dose children and missed communities
- Active engagement: offering actionable insights, solutions and innovations from COVAX and Gavi core programmes – unique contributions, capabilities



#### Post-pandemic global health architecture

 Ongoing G7, G20, WHO discussions: strong focus on equity agenda in health emergency preparedness and response





The First G20 Health Ministerial Meeting, Strengthening Global Health Architecture, Indonesia, 21-22 June 2022.



### **GAVI SECRETARIAT UPDATE**



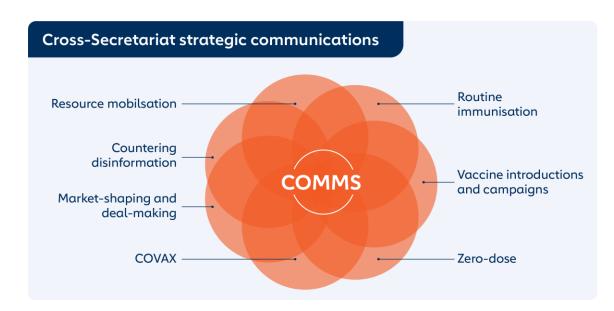
### **Super-charging Alliance communications**

#### **Gavi countries:**

- 36,000 media mentions in 2021 (100% increase over 2020)
- 30 countries covered by Gavi writers' network
- Growth in francophone content on Gavi.org's VaccinesWork portal

#### Global:

- 53 million minutes of video watched on Gavi's Facebook page in 2021
- 150,000 new followers of Gavi's social media channels in 2021 (including leadership)
- 192,000 media mentions in 2021 (versus 10,000 in 2019)
- 65 op-eds and 96 speeches in 2021
- 2,400 interviews & media responses in 2021







# **Gavi Secretariat developments**

# Welcome Lucy Elliott, A&I MD

- New Managing
   Director for Audit &
   Investigations function
- Replaced Simon Lamb, who retired



# Welcome David Marlow, COO

- New position created:
   Chief Operating Officer
- Starts 4 July



# Welcome to our new directors

- David Kinder,
   Development Finance
- Jalaa' Abdelwahab,
   Vaccine Programmes
- Richard Mihigo, COVID-19 Vaccine Delivery Team (in Country Programmes)
- Anamaria Bejar,
   Public Policy
   Engagement (PPE)

Aurélia Nguyen transitioning out of COVAX MD role; Derrick Sim is Acting

Reconfiguration to create two distinct, new departments:

- Policy, Programme
   Design and Delivery
   Support: MD recruitment
   launched
- Vaccine Markets and Health Security: MD recruitment launched



### **Gavi Secretariat developments**

#### Return to office; health & wellbeing

- Two days per week in office
- March 2022 staff pulse survey:
  - 6 of 9 categories improved (esp. "Feedback" & "My Manager");
     "Wellbeing & Inclusion" improved but lowest-scoring
  - o Great mission, feeling of personal accomplishment
  - To be addressed: unsustainable workload, high stress levels

#### **Return to duty travel**

- Country visits to elevate zero-dose agenda, address routine immunisation disruptions
- High-level missions planned amid challenging travel landscape

#### **Diversity & inclusion initiatives**

- Onward consultancy: defining action plan, affinity groups
- First #GaviPride logo



# **Garden of Remembrance** at Global Health Campus

Tree dedication on 28 June, in memory of two beloved colleagues we lost in 2021



Thank you



