

Equity and access solutions in IA2030

Dr. Kate O'Brien, IVB Director



THE WORLD HAS BEEN TAKING A SERIOUS LOOK AT EQUITY



14 of 17 Immunization Related

Sustainable Development Goals | 2 0 1 5 - 2 0 3 0 "Endeavor to reach the furthest behind first"

Universal Health Coverage | G O A L 3 . 8

"Achieve universal health coverage... for all"

IA2030 | 2021 - 2030 MISSION

"A world where everyone, everywhere, at every age, fully benefits from vaccines for good health and well-being"

Gavi 5.0 | 2021 - 2025 MISSION

"To save lives and protect people's health by increasing equitable and sustainable use of vaccines"



Equity and Access

Solutions in IA2030

- Observations 2020

2 IA2030



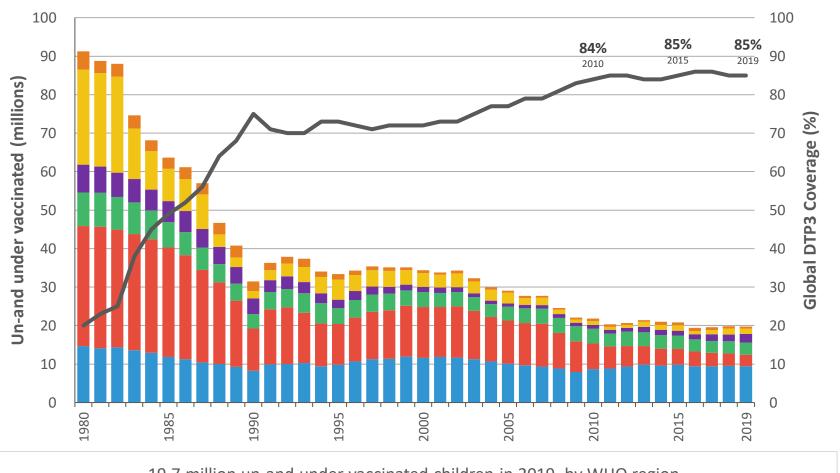
3 Targeted Action

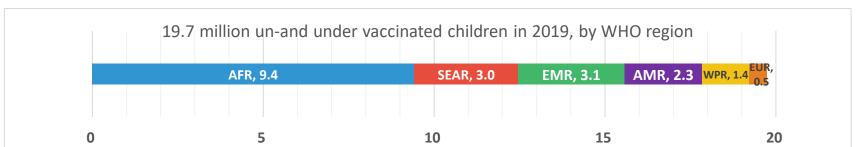


4 Gaps and Research



Almost 9 out of 10 children reached in 2019, but almost 20 million children un-or under vaccinated





Immunization Agenda 2030 goal....

Vaccination available to everyone, everywhere, by 2030.

Challenge.....

Coverage has plateaued since 2010

14 million zero-dose children.

Nearly half live in the African Region.



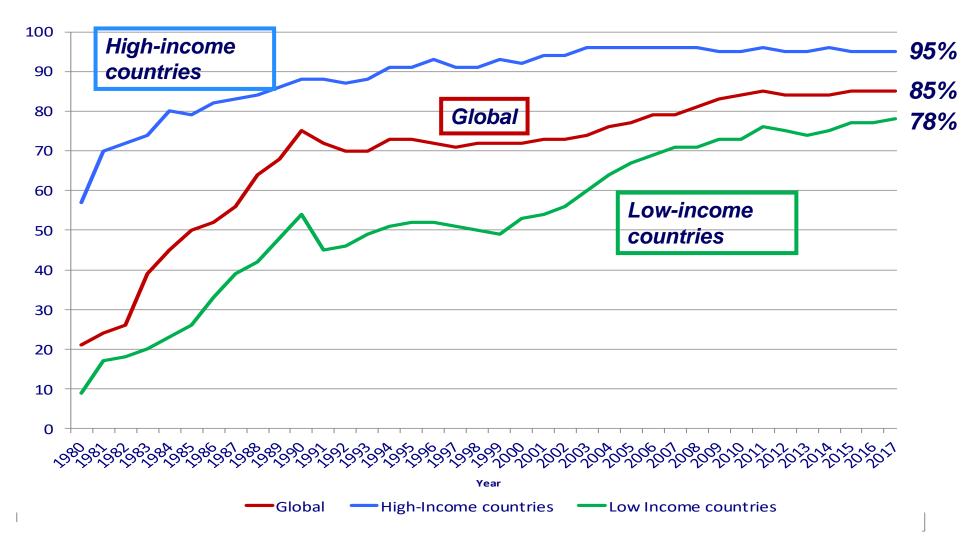


WUENIC 2020

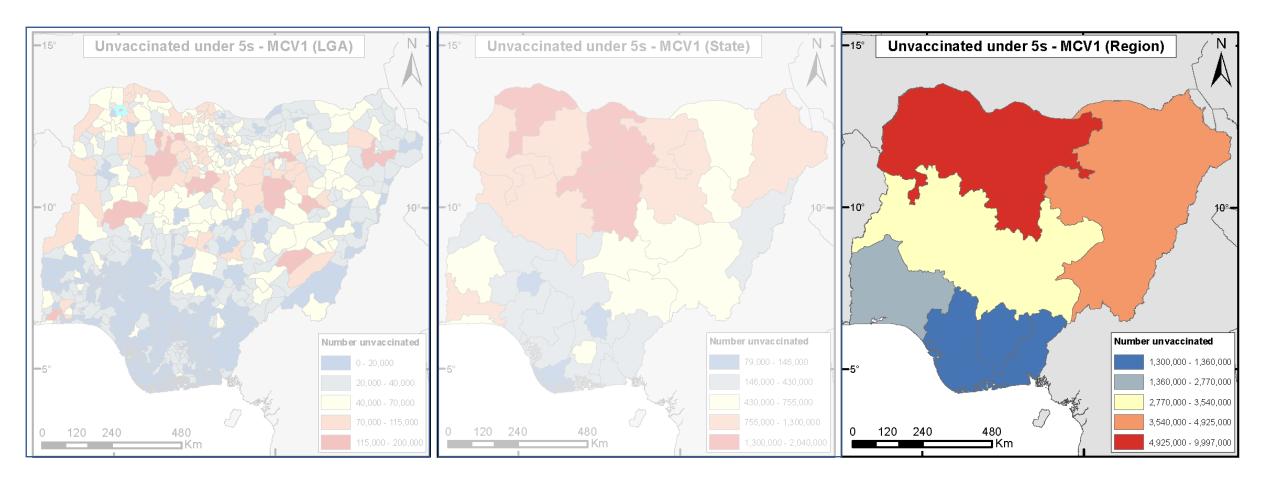
1

Equity: Vaccine coverage persistently differs by income level

Coverage with DTPcv3, by country income levels, 1980-2017



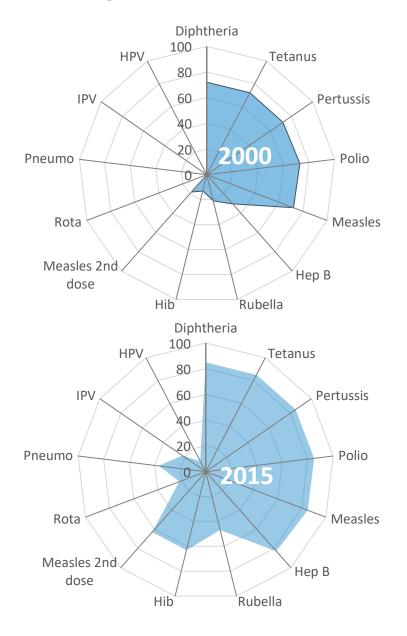
Nigeria: Zero dose children not randomly distributed

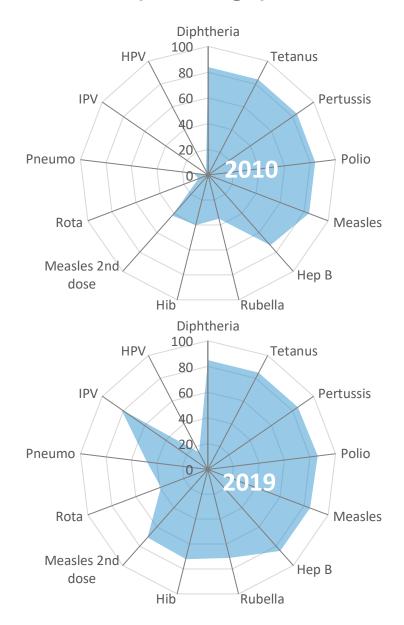


Note: MCV1 coverage in children aged 9-35 months was used as a proxy for coverage in U5s in the calculations shown here.

Source: Utazi C. E. et al (2020): Geospatial variation in measles vaccine coverage through routine and campaign strategies in Nigeria: Analysis of recent household surveys, Vaccine 38 (14), pp. 3062-3071.

Breadth of protection for those immunized has expanded well beyond improvements in accessing all children (coverage)





After 2010, no real progress has been achieved with expanding vaccination coverage to un-and under served populations,

However, those that are reached have benefitted from a wider portfolio of vaccines and are protected against many more diseases.





Equity and Access

Solutions in IA2030

- 1 Observations 2020
- 2 IA2030

ノ

3 Targeted Action



4 Gaps and Research



Immunization Agenda 2030: Only achievable through global equity



A world where everyone, everywhere, at every age...

... fully benefits from vaccines...

... for good health and well-being

https://www.who.int/teams/immunization-vaccines-and-biologicals/strategies/ia2030

Immunization Agenda 2030

A world where everyone, everywhere, at every age, fully benefits from vaccines for good health and wellbeing

Immunisation Programmes for Primary Health Care

Outbreaks

& Emergencies

Supply &

Sustainability

Research

& Innovation

Life Course

& Integration

7 strategic priorities

informed by

4 core principles



People-Focused



Coverage &

Equity

Commitment

& Demand

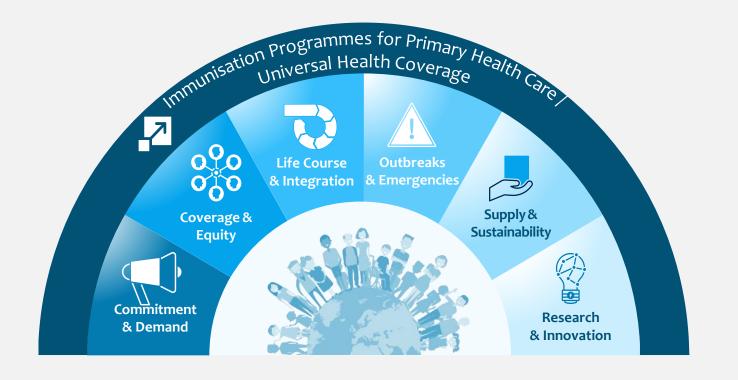
Country-Owned



Partnership-Based



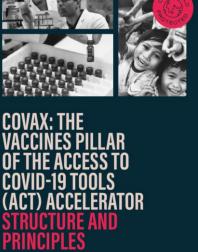
Data-Guided

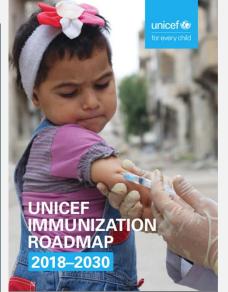
















FOUR PRIORITY AREAS OF IMMUNIZATION INEQUITY



REMOTE RURAL Challenging to access

URBANDifficult to track

AFFECTED BY
CONFLICT
Dangerous or Blocked

GENDER
Impacts access

Measles is a tracer of inequality

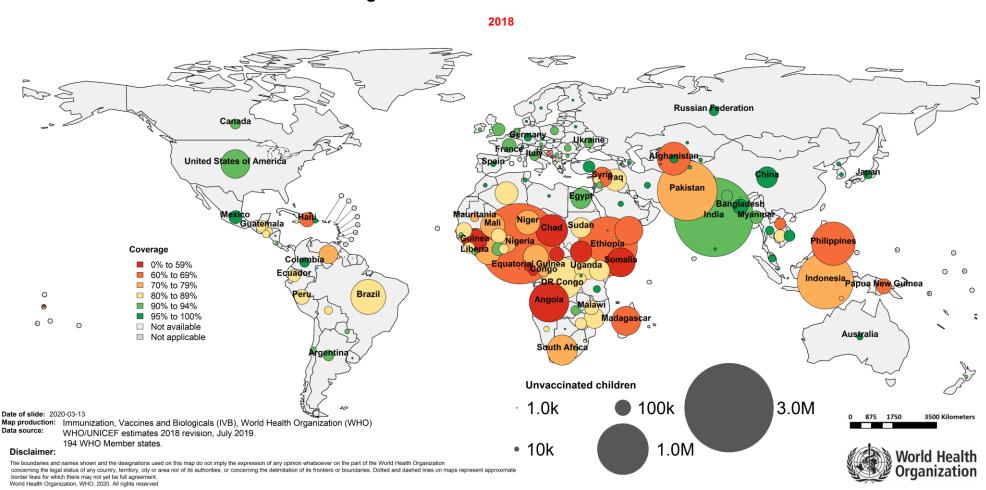
- Measles requires very high coverage to stop transmission
- Measles comes back faster & hits harder in vulnerable settings where there is a confluence of inequity
 - Fragile, conflict, vulnerable states
 - Vulnerable groups including refugees
 - Impact of poverty, malnutrition, Vitamin A deficiency



Measles is the canary in the coal mine

Where are the 19.2 million children without measles first dose in 2018? Also "zero" dose

Coverage and Unvaccinated Children for MCV1



Equity and Access

Solutions in IA2030

- 1 Observations 2020

2 IA2030



3 Targeted Action



4 Gaps and Research



RECOMMENDATIONS

FOR THE GLOBAL IMMUNIZATION COMMUNITY

Ambition

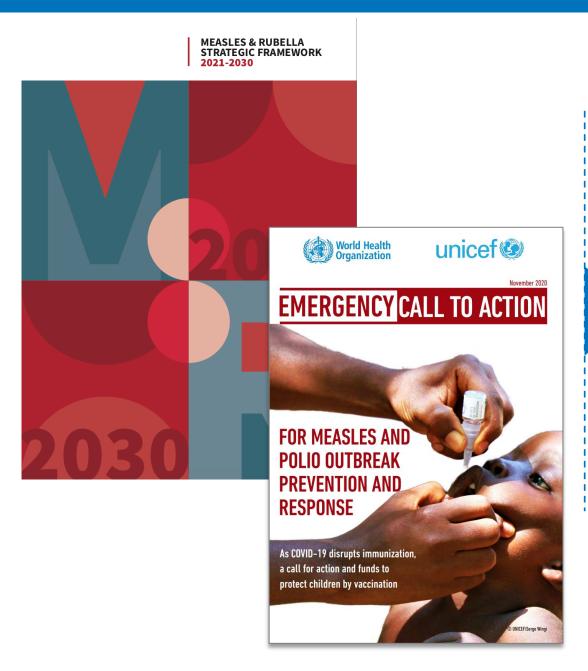
Measurement

Identification and Programmatic Targeting

Wider Links with PHC and UHC



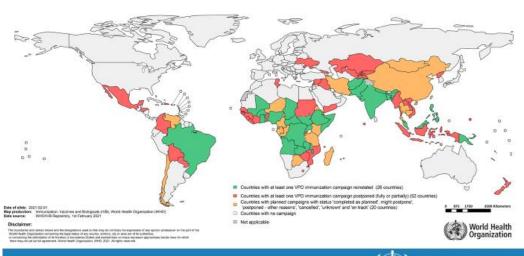
Emergency call to action for measles & polio outbreak prevention & response



- Risk losing hard won gains on measles & polio
- To increase equity, building system
 resilience is more important than ever
 - Strengthen routine immunization including second year of life platform
 - Reach zero dose children for measles vaccine
 - Prevent, detect, respond to & recover from measles outbreaks
 - Strengthen Laboratory surveillance

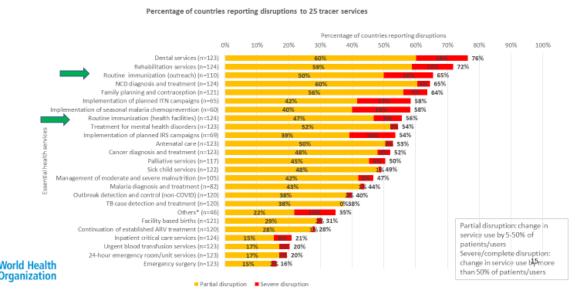
Continuous monitoring of disruptions and coverage

VPD campaigns postponed due to COVID-19: 52 countries with at least one VPD campaign postponed, 1 February 2021



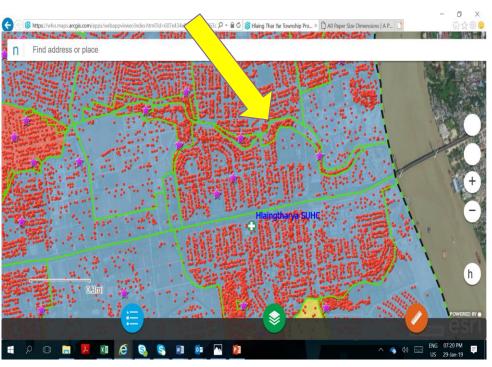
- VPD Campaign tracker
- eJRF 2021
- DTP3 monthly doses as a tracer
- Regional data collection processes
- Monthly surveillance data
- Periodic EHS polls
 - Results of more recent one expected in March 2021
- UNICEF supply data
- "Sentinel" sites, in the context of COVID learning agenda
- <u>TechNet-21 repository of papers</u> on the subject

Essential Health Service (EHS) Poll of tracer services



Use of GIS to identify new settlements

New settlements identified between traditional demarcation of catchment areas in Myanmar



Geospatial mapping identified 87 new migrant communities

- include in micro-planning
- Health facility distribution modified

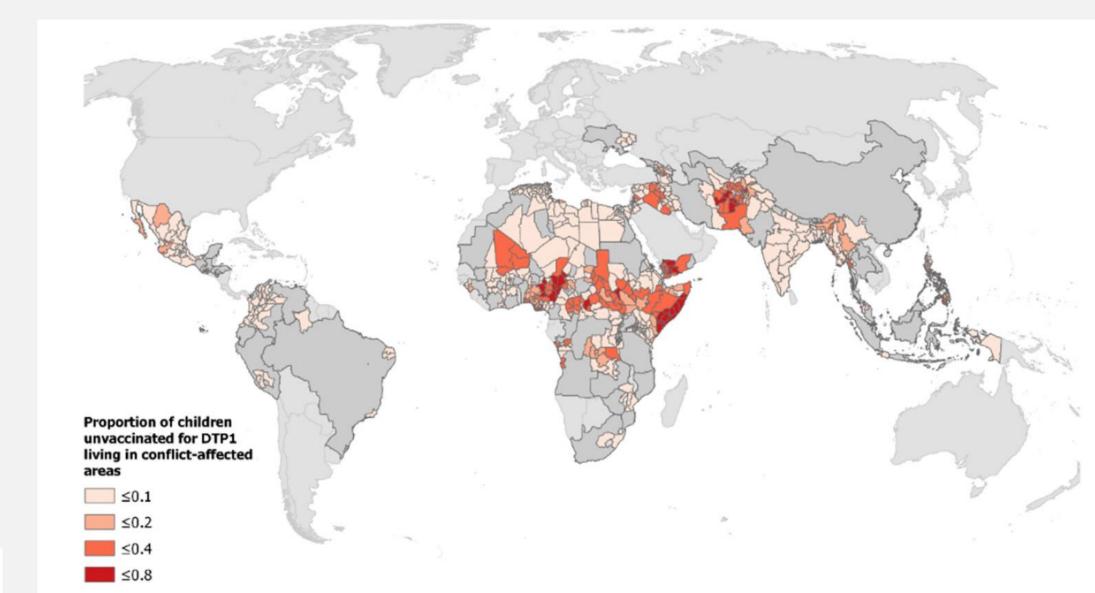


Red dots – populations newly identified

Programmatic Innovation using GIS technology to find the unreached

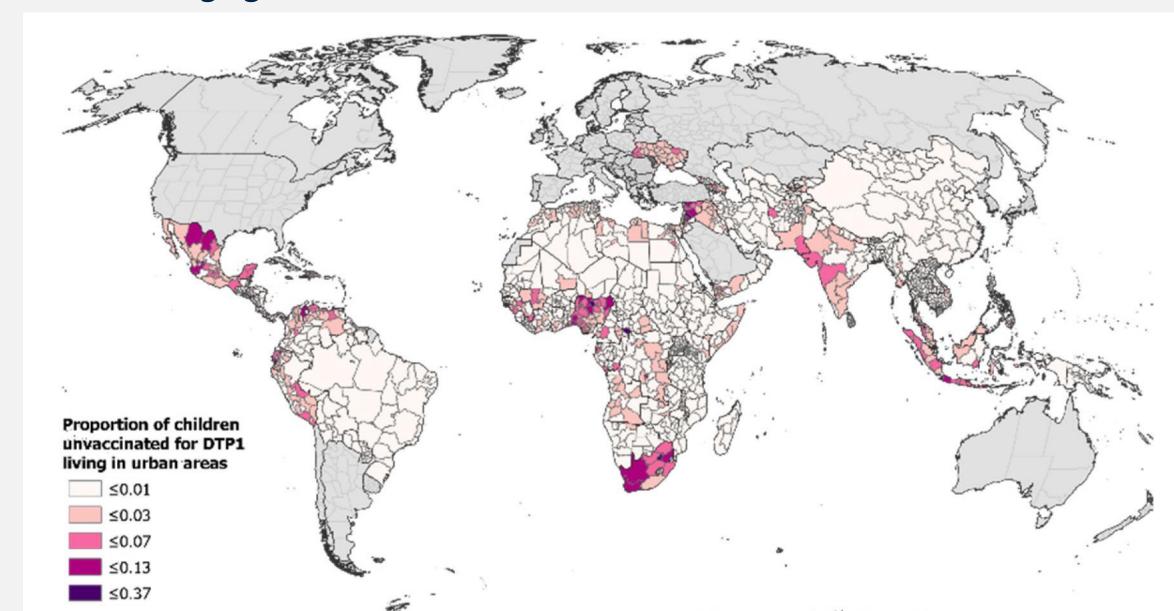


Zero dose children concentrated in conflict settings Require operational know-how





Urban slums across wide geographies, and expanding Requires new engagement and access

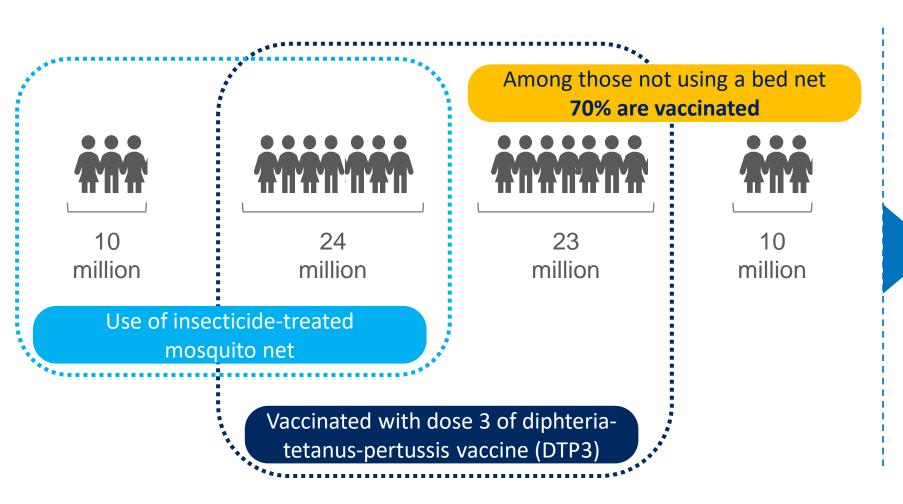


Remote rural children common across many countries Requires delivery strategies with new technologies



Integration: RTS,S potential to reduce gaps in malaria intervention coverage

Use of insecticide-treated mosquito net & vaccination in children aged 12–59 months at risk of malaria in 20 African countries



Vaccination has **potential to reduce inequity** in malaria
interventions

Substantially reduce the childhood malaria burden in sub-Saharan Africa, even in regions with lower existing DTP3 coverage*

Multi-antigen campaigns: Integration of bOPV in MCV SIAs

- Reaching more children, with less cost
- Reduce "community fatigue" with polio SIAs
- Cost Savings
 - 8 countries (including Nigeria, Ethiopia, DRC and Angola), with an estimated target population of over 66 million and estimated \$18 million cost savings



Equity and Access

Solutions in IA2030

- 1 Observations 2020

2 IA2030



3 Targeted Action



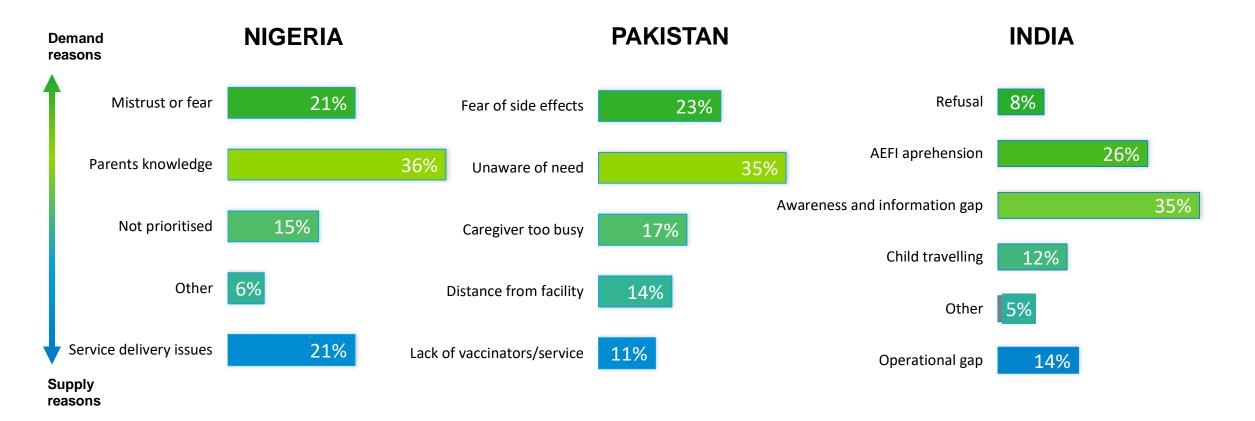
4 Gaps and Research



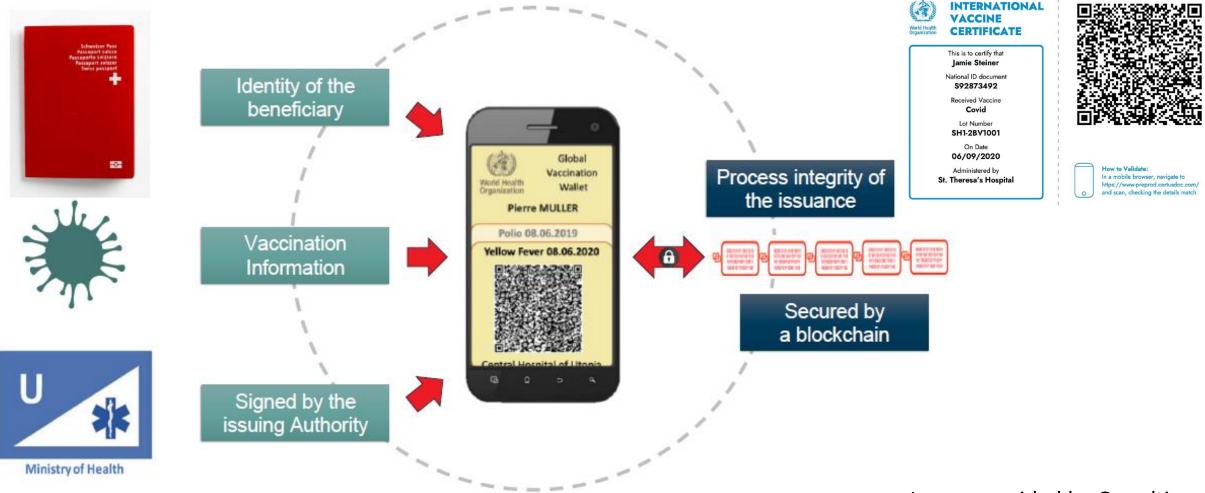
Coverage and Equity



Interventions for Vx Hesitancy: A closer look at reasons for missed children...



Innovations for coverage monitoring: e-Vax card captures the interaction between provider and patient (vaccination), certified by central authority



Establish value and impact of barcodes for improvements in.....

To improve immunization coverage

To increase the patients' trust

To reduce vaccine stock

To improve safety



2D barcode on primary container



Barcode on secondary packaging

Novel Delivery Devices: Micro array patches







No licensed vaccine-MAP products.

 Preclinical development is underway

Clinical studies of MR-MAP ongoing

Delivering using non-injectable methods could be a game-changing for coverage and equity

Full public health value proposition needs to be assessed



Build and enhance comprehensive VPD surveillance

- Strategy & partner coordination
- Standards surveillance & information systems
- Laboratory networks including bacterial
- Technical support for implementation
- Advocacy & costing/resource mobilization

Meningococcus Diphtheria Rubella Measles Neonatal tetanus Polio (AFP)

National case-based surveillance

Global / Regional level

Typhoid Influenza

Pneumococcus

Hib

Rotavirus

JE

CRS

Sentinel case-based surveillance

Cholera

Non-neonatal tetanus

Yellow Fever

Notifiable disease surveillance

Outbreak/event surveillance







Workforce capacity



Logistics & communication



Laboratory



Supervision

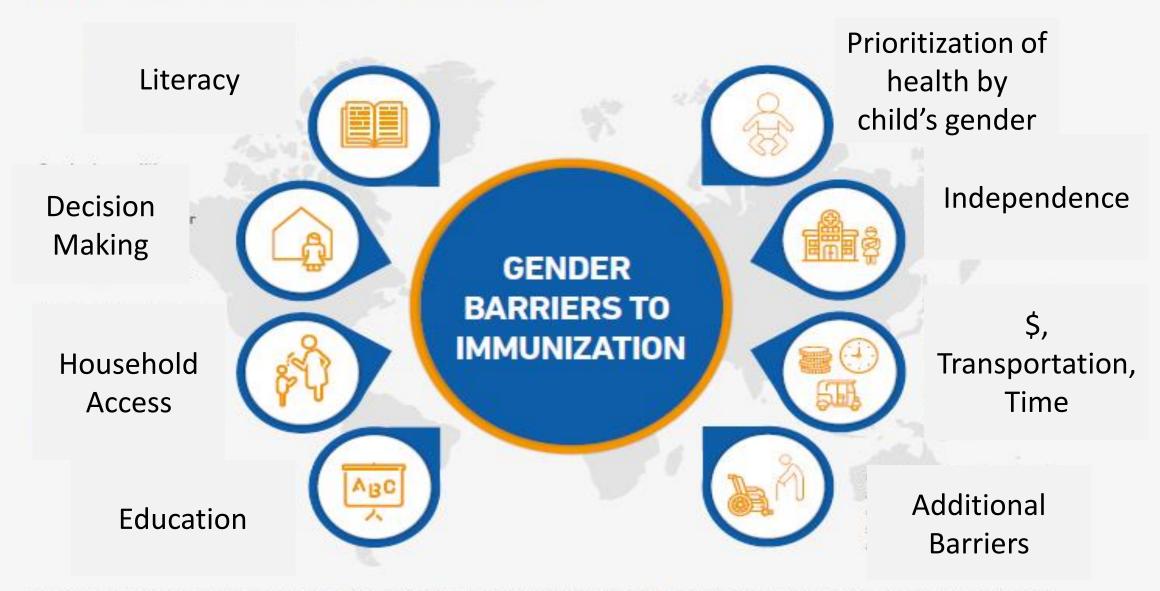


Monitoring & evaluation



Surveillance support functions

GPEI gender strategy 2019-2023



Source: GPEI Gender Infographics [website]. Geneva: World Health Organization (http://polioeradication.org/gender-and-polio/gender-and-polio-eradication/, accessed 20 May 2019).

UNDERSTANDING THE VALUE OF IMPLEMENTATION RESEARCH

Equity is local

We need to understand what works in specific communities and contexts.

Implementation research is a critical tool that allows us to learn by testing solutions in real programs in real time.





THE EQUITY REFERENCE GROUP (ERG)

The ERG consists of senior experts working to generate innovative ideas to accelerate progress on equity in immunization. The group is working to provide actionable recommendations for decision makers at the national and global levels and aims to test innovative approaches through implementation research.

Learn more about the ERG and explore publicly available reports and resources at sites.google.com/view/erg4immunisation

ADDITIONAL EQUITY RESOURCES

Immunization Agenda 2030 (link)

The WHO global strategy that sets out an ambitious overarching global vision and long-term strategic framework for 2021 to 2030.

Gavi 5.0: The Alliance's 2021 – 2025 Strategy (link)

The Gavi Alliance's five-year strategy with the vision to "leave no-one behind with immunization."

State of Inequality (link)

A WHO report using global health observatory data on equality in childhood immunization, including interactive visualizations of health data.

Sustainable Development Goals (link)

The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015.

Universal Health Coverage (UHC) (link)

Fact sheet on UHC and the World Health Organization response.



The Opportunity is Now

