

Delivering vaccines: Equity & the power of communities



**UNIVERSAL
HEALTH
COVERAGE:
EVERYONE,
EVERYWHERE.**



Dr. Craig Burgess,
JSI Research and Training Institute Inc.
Asian Vaccine Conference, 15 September 2019



JSI RESEARCH & TRAINING INSTITUTE, INC.

RAVIN

Rotavirus Accelerated Vaccine
Introduction Network

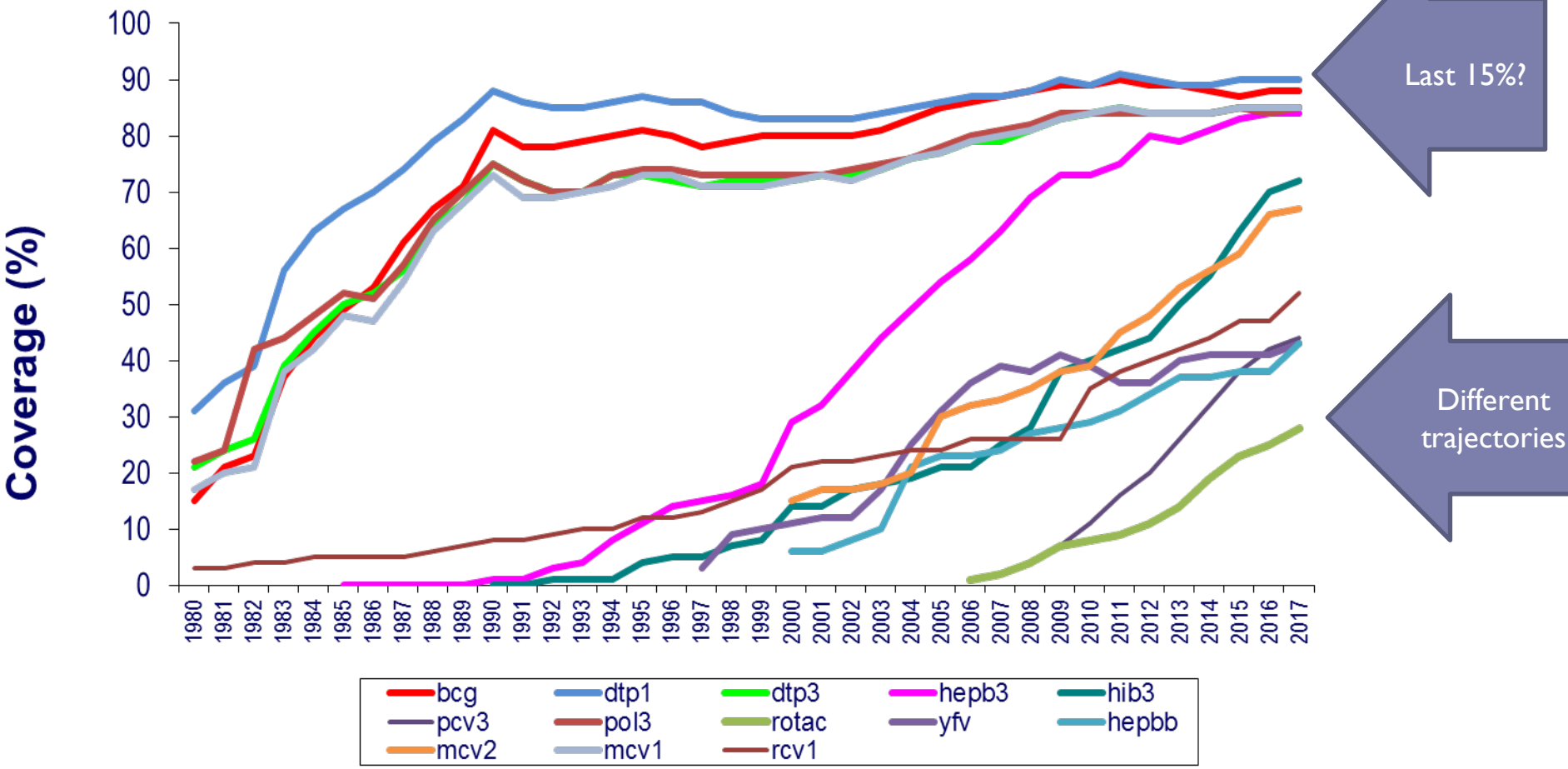
Overview



1. Equity & global trends
2. Equity Reference Group
3. Strategies for increasing equity:
 - GRISP
 - RED / REC
 - Supply chain
 - Addressing missed opportunities
4. Community partnership
5. The future

Global coverage estimates, 1980-2017

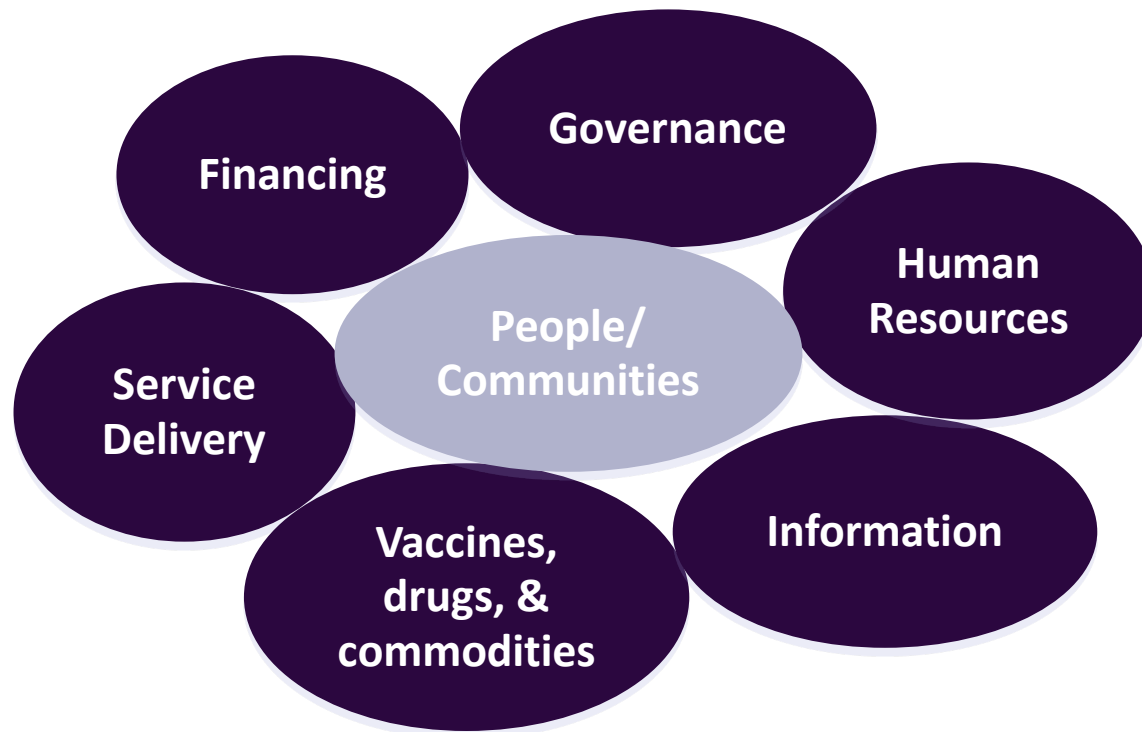
BCG, DTP 1st and 3rd, Measles 1st and 2nd, Rubella 1st, HepB birth and 3rd, Hib3, Pol3, YFV, PCV3 and Rota (last dose)



Source: WHO/UNICEF coverage estimates 2017 revision, July 2018.
 Immunization Vaccines and Biologicals, (IVB), World Health Organization.
 194 WHO Member States. Date of Slide: 15 July 2018.

Reaching those who need vaccines the most needs strong health systems

6 building blocks + 1



Services that are:

- Accessible
- Available
- Acceptable
- Affordable
- Affable

Keep missing the target

We don't know who they are.....

these communities
are missed through
administrative data

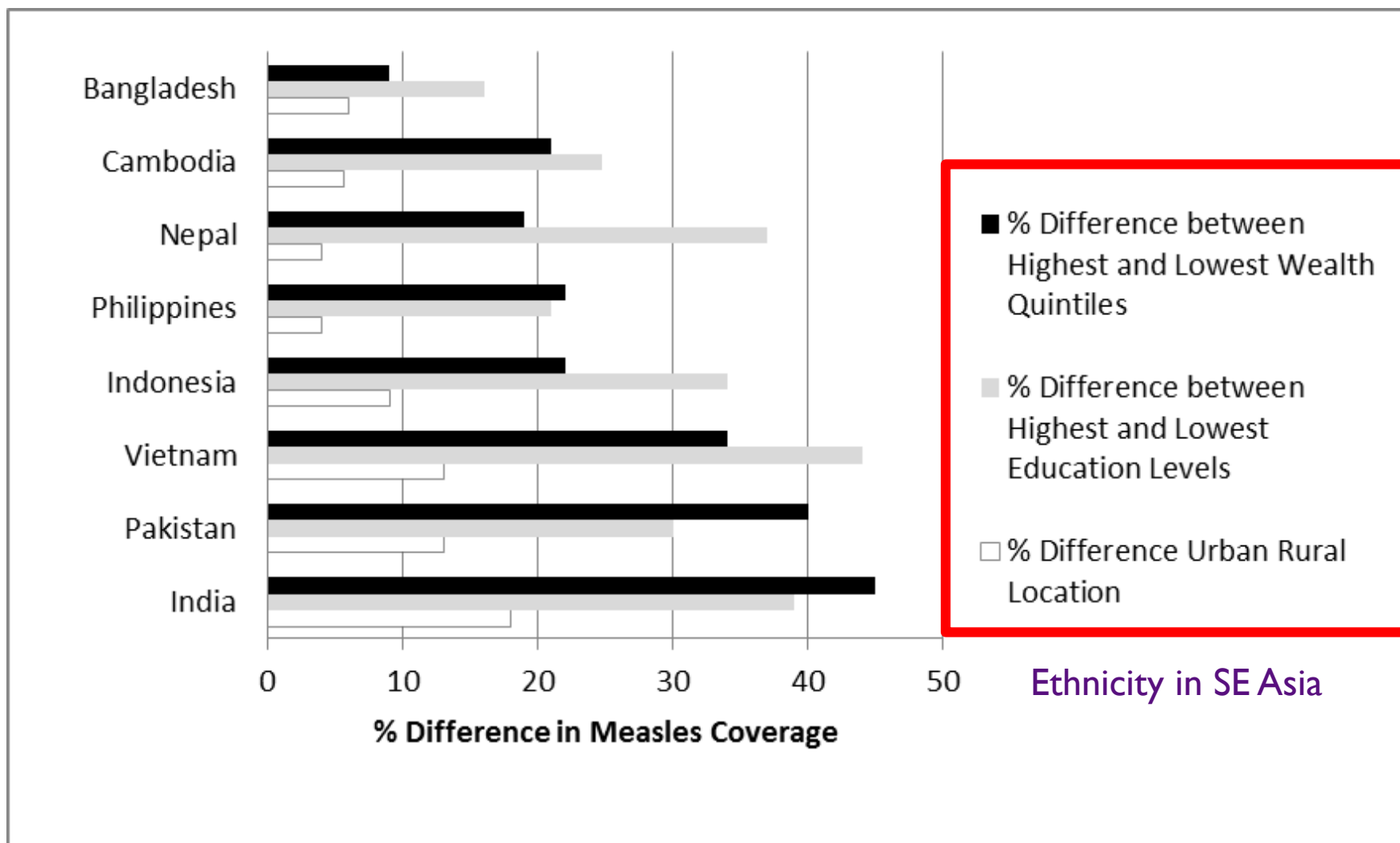
....not included
in the denominator

.....often
unregistered
and mobile



Those with greatest disease burden in most
need, yet missed

Immunization inequities vary by country and within countries



Tools to Identify Missed Children

UNICEF Immunization Equity

Assessment Tool: A national review of survey, research or evaluation data on health inequities to identify the socio economic indicators most associated with low immunization coverage.

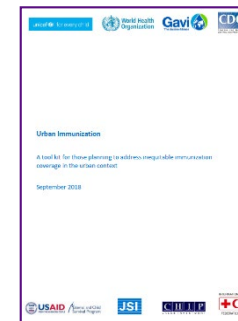
Urban immunization toolkit: Available and specific tools and methods to assess where and who the unimmunized are as well as ways if increasing coverage and equity in urban settings

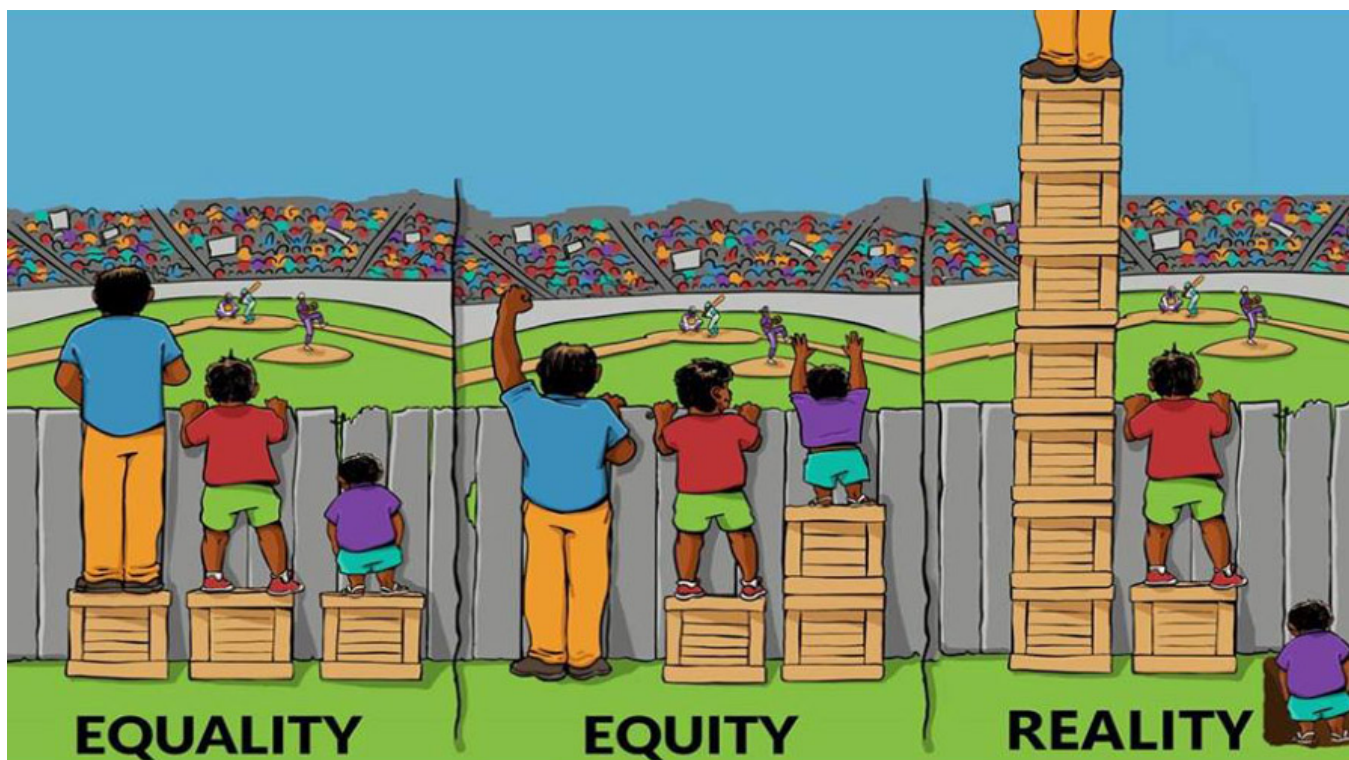
<http://gotlife.gavi.org/wp-content/uploads/2018/12/Urban-immunization-toolkit.pdf>

AFRO RED guide and tools: Recently updated and includes tools for community approaches

<https://afro.who.int/publications/reaching-every-district-red-guide-increasing-coverage-and-equity-all-communities>

Marginalized Community	Barriers to full immunization		Recs
	Health Centre	Community	
urban poor			
migrants			
ethnic minorities			
rural remote			
Internally displaced populations			





Equity: We need to understand what works in specific communities and contexts. Implementation research is a critical tool to learn what works.

Overview



2. Equity Reference Group

ERG EQUITY REFERENCE GROUP FOR IMMUNIZATION

OVERARCHING RECS: ENGAGE COMMUNITIES, understand their needs, to increase coverage and improve delivery of **IMMUNIZATION** and **INTEGRATED SERVICES**



All background docs available: <https://sites.google.com/view/erg4immunisation/>

FOUR PRIORITY AREAS OF IMMUNIZATION INEQUITY



REMOTE RURAL



URBAN



AFFECTED BY
CONFLICT



GENDER

Tailored strategies addressing social barriers, life course, more integrated & increasing use of NGOs / private sector to deliver

REMOTE RURAL

Key challenges

Marginal cost of reaching people is high

Recruiting, retaining, and motivating health workers is impeded by context limitations

Long distances further challenge already stretched cold chain and supply systems

People have limited socio-political power, which limits access to health institutions and services

Data on populations is incomplete or underutilized

Recommendations

Gather timely, actionable data on eligible populations (electronic registries, GIS maps, micro-censuses)

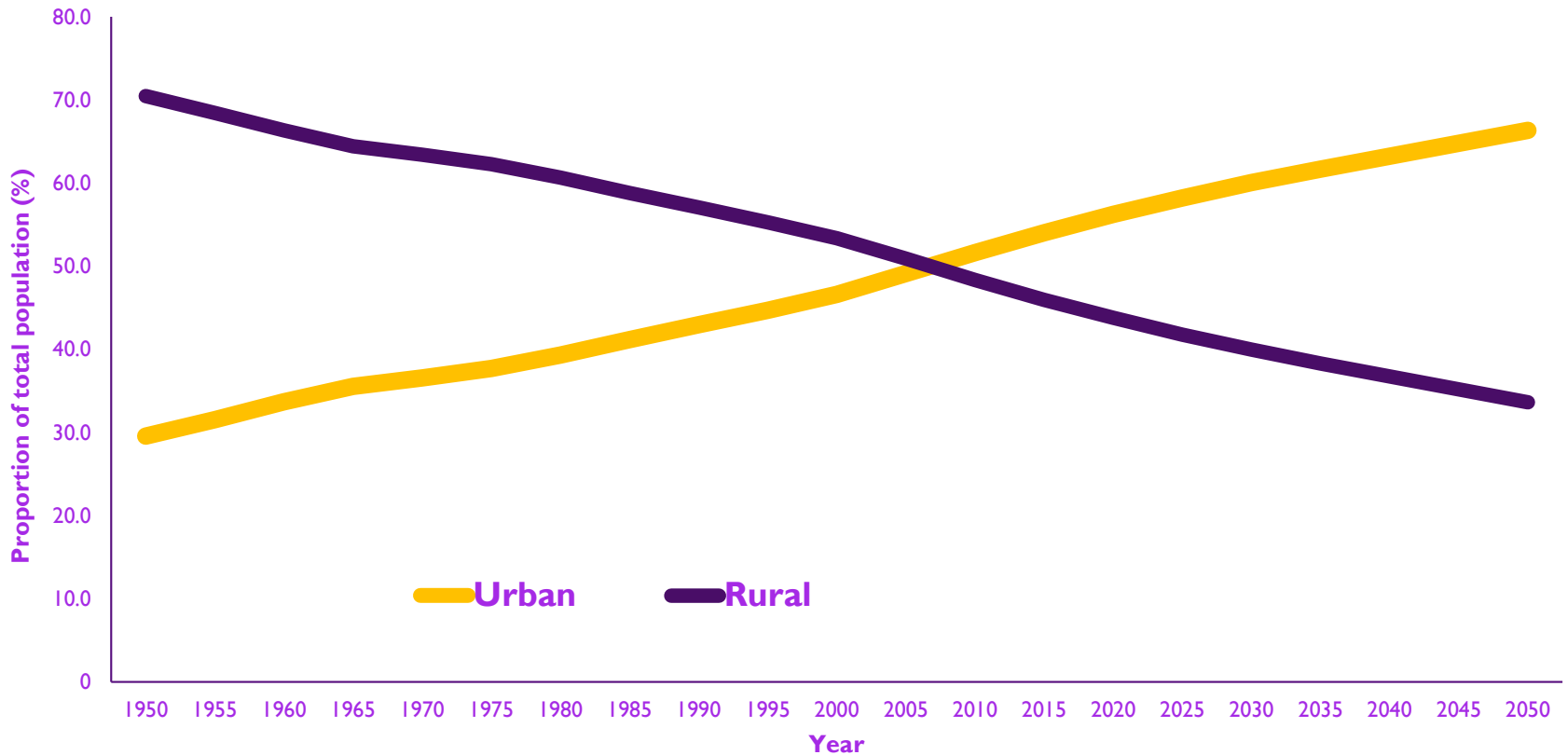
Ensure cadre of community health workers is paid; add non-monetary incentives

Contract private transport providers to close supply gaps (moto taxis)

Evaluate Reaching Every District (RED) for impact on equity



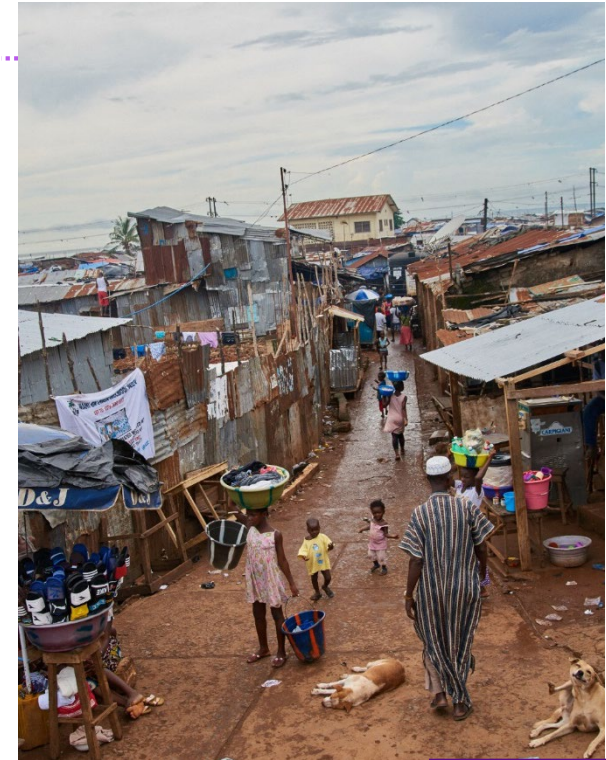
URBANIZATION TREND



Source: <https://esa.un.org/unpd/wup/>

URBAN POOR

Key challenges	Recommendations
Lack of accurate, disaggregated data	Implement unique system for patient identification
Social distance and discrimination	Scale up use of electronic registries, dashboards, and visualizations
Residents of illegal settlements fear encountering public authorities	Adjust timing of service for caregiver convenience
Design of immunization services makes them inaccessible	Improve security for caregivers and health workers
Insecurity limits access for communities	Identify missed opportunities when children interact with the health system
Multiple stakeholders and a lack of effective partnerships	



<http://gotlife.gavi.org/wp-content/uploads/2018/12/Urban-immunization-toolkit.pdf>

https://www.jsi.com/JSIInternet/Inc/Common/_display_related_objects_of_base_object.cfm?thisSection=IntlHealth&thisSectionTitle=International%20Health&thisPage=Project&id=40&id=29423&rid=10



AFFECTED BY CONFLICT, displaced by living in fragile contexts

Key challenges

Damage to existing infrastructure and disruptions to the supply chain

Loss and migration of skilled health care workers

Decreased access to areas due to insecurity

Large-scale population displacement and creation of refugee populations

Difficulty in tracking and finding populations

Recommendations

Improve standard data tools for rapid reporting on functionality of health facilities

Prepare urban health systems to absorb refugees

Plan for cold chain systems that can absorb shocks

Roll out digital financial services as a means to pay staff

Coordinate with humanitarian actors on provision of immunization services



GENDER LENS

Key challenges	Recommendations
<p data-bbox="48 382 504 475">Mothers, typically primary caregivers, are limited by:</p> <ul data-bbox="48 549 629 1186" style="list-style-type: none"><li data-bbox="48 549 629 639">• Lower status in communities and limited capacity to act<li data-bbox="48 711 629 853">• Physical and time barriers to accessing immunization services<li data-bbox="48 925 629 972">• Lack of health literacy<li data-bbox="48 1043 629 1186">• Experience of poor service quality, which may deter them from seeking health services <p data-bbox="48 1258 450 1296">80% HCWs are female</p>	<p data-bbox="691 382 1244 525">Incorporate analysis of gender-related inequalities and barriers into country assessments</p> <p data-bbox="691 572 1244 715">Leverage funding options to provide support for pro-gender strategies</p> <p data-bbox="691 762 1222 905">Use participatory processes to ensure services are gender-sensitive</p> <p data-bbox="691 952 1263 1152">Integrate community-based monitoring that includes measurement of gender equality into national plans and strategies</p> <p data-bbox="691 1199 1251 1342">Guide countries on integrating HPV immunization services into existing platforms</p>



Overview



3. Strategies for increasing equity:

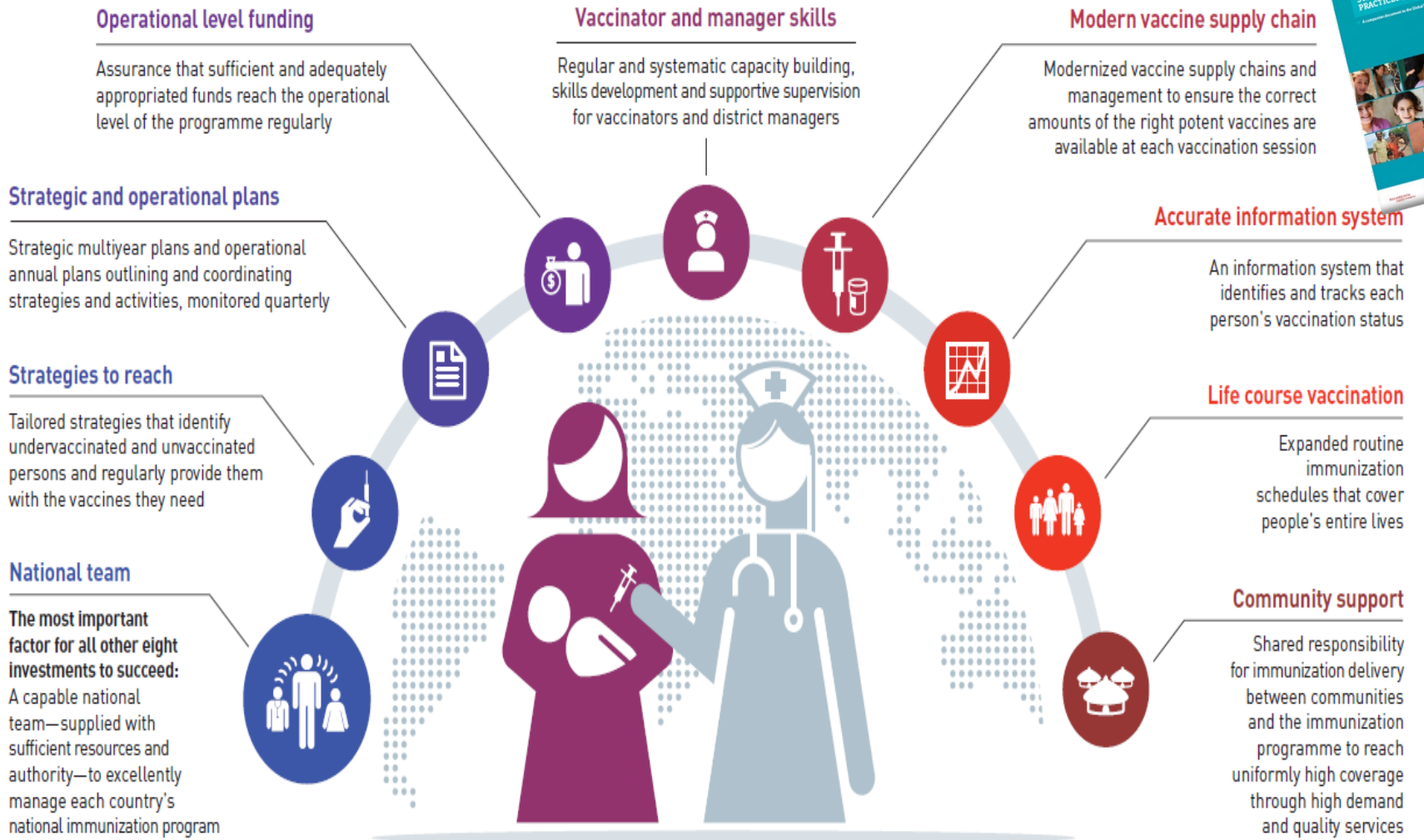
GRISP

RED / REC

Supply chain

Addressing missed opportunities

Global Routine Immunization Strategy & Practices

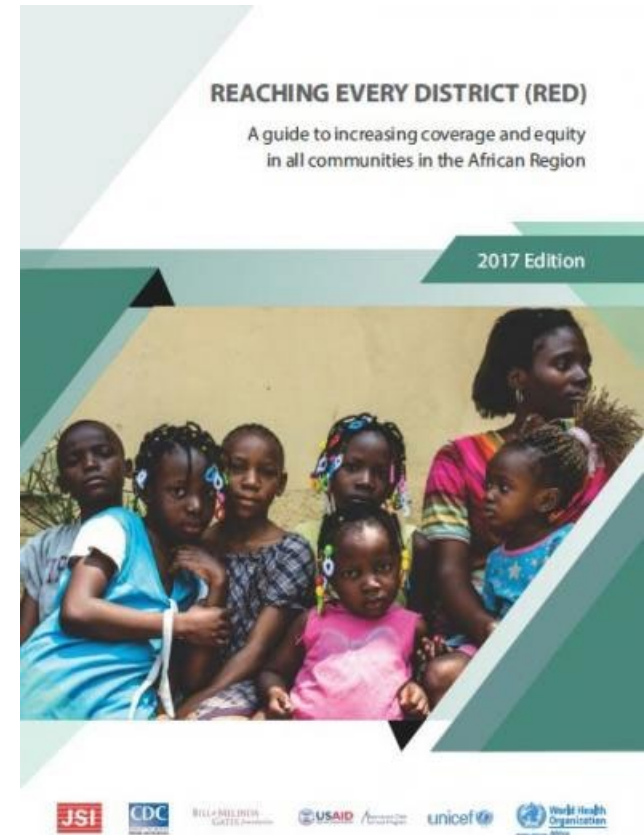


Reach Every District (RED) strategy

- Strategy to achieve the goal of 80% immunization coverage in all districts and 90% nationally in all states
- Aims to fully immunize every infant with all vaccines included in national immunization schedules
- Build national capacity to maximize access and utilization of all vaccines, old and new

5 operational components:

1. Re-establish outreach services
2. Supportive supervision
3. Linking services with communities
4. Monitoring and use of data for action
5. Planning and management of resources



Implementing Reach Every Community

***Remote Control
from District is not
an Option!***



REC must be implemented by Health Centre and Community working together

All these components must take place *in the community*:

Planning sessions with community focal points

Conducting sessions: urban and rural outreach

Supportive activities for High Risk Communities

Monitoring access of children and mothers

Feedback to improve services

Delivery strategies

Type	Definition	Areas served	Av. frequency
Fixed	Delivery of services <u>in</u> a Health Facility (HF)	Serves community within easy access to the Health Facility	Twice a week or everyday
Outreach	Delivery of services in an ' <u>outreach site</u> '	Area around the HF that the staff can visit in one day	Once a month or once in two/three months
Mobile teams	Delivery of services <u>beyond</u> the 'outreach area'	Areas, not possible to cover in one day, requires overnight stay	Once in 4-6 months – challenge for timely RVV delivery

Integration across the continuum

Pregnant Woman

Delivery

Infant

2YL



ANC

- TT (3 doses)
- Bednet (ITN)
- Iron & folic acid
- [IPTp x 2]
- [HIV testing]
- Infant feeding

NEWBORN

- BCG
- HepB birth dose
- Essential Care
- Delayed cord clamping
- Early initiation EBF

6 weeks

- DTP/Hib/HepB1, OPV1, Rota1, PCV 1
- EBF
- Check TT status of mother
- Bednet (ITN)
- [HIV testing 4-6 wks if exposed/ART]

10 weeks

- DTP/Hib/HepB2, OPV2, Rota2, PCV2
- [IPTi]

14 weeks

- DTP/Hib/HepB3, OPV3, IPV, Rota3, PCV3
- [IPTi]

9 months

- Measles/Rubella
- [Yellow fever/JE]
- Vit A
- New Bednet (ITN)
- [HIV testing if exposed]
- [IPTi]
- Complementary feeding

15-18 months

- Measles 2nd
- Vit A
- Deworming
- ITN

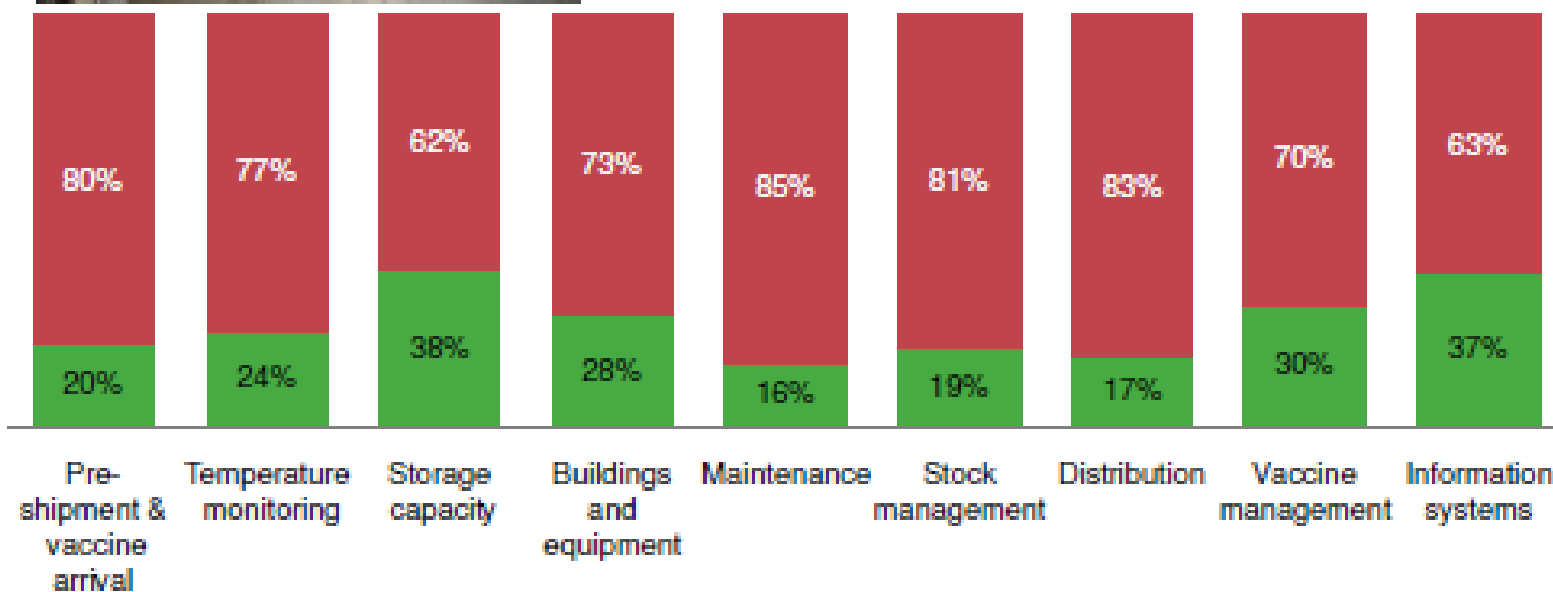
[indicates selected countries]

On average country immunisation supply chains do not meet WHO standards today



% of countries that reach 80% target on relevant supply chain WHO standards¹

■ Not reaching standard
■ Reaching standard



1. EVM (Effective Vaccine Management) Assessments – Average score of Principal, Sub-National, Local District and Service Point Level; Source: EVM assessment for 57 GAVI countries, WHO



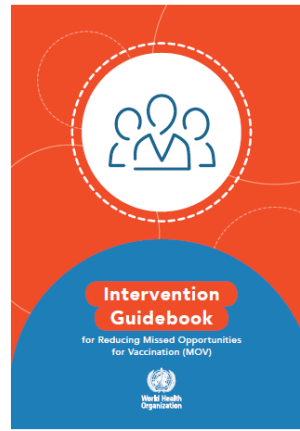
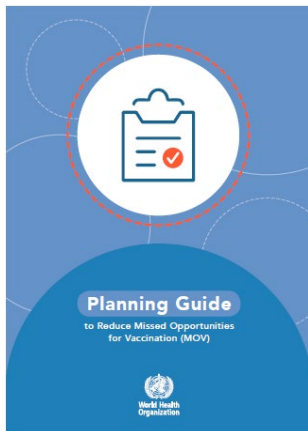
Missed opportunities for vaccination (MoV)

Estimated global prevalence of MoV = 32%

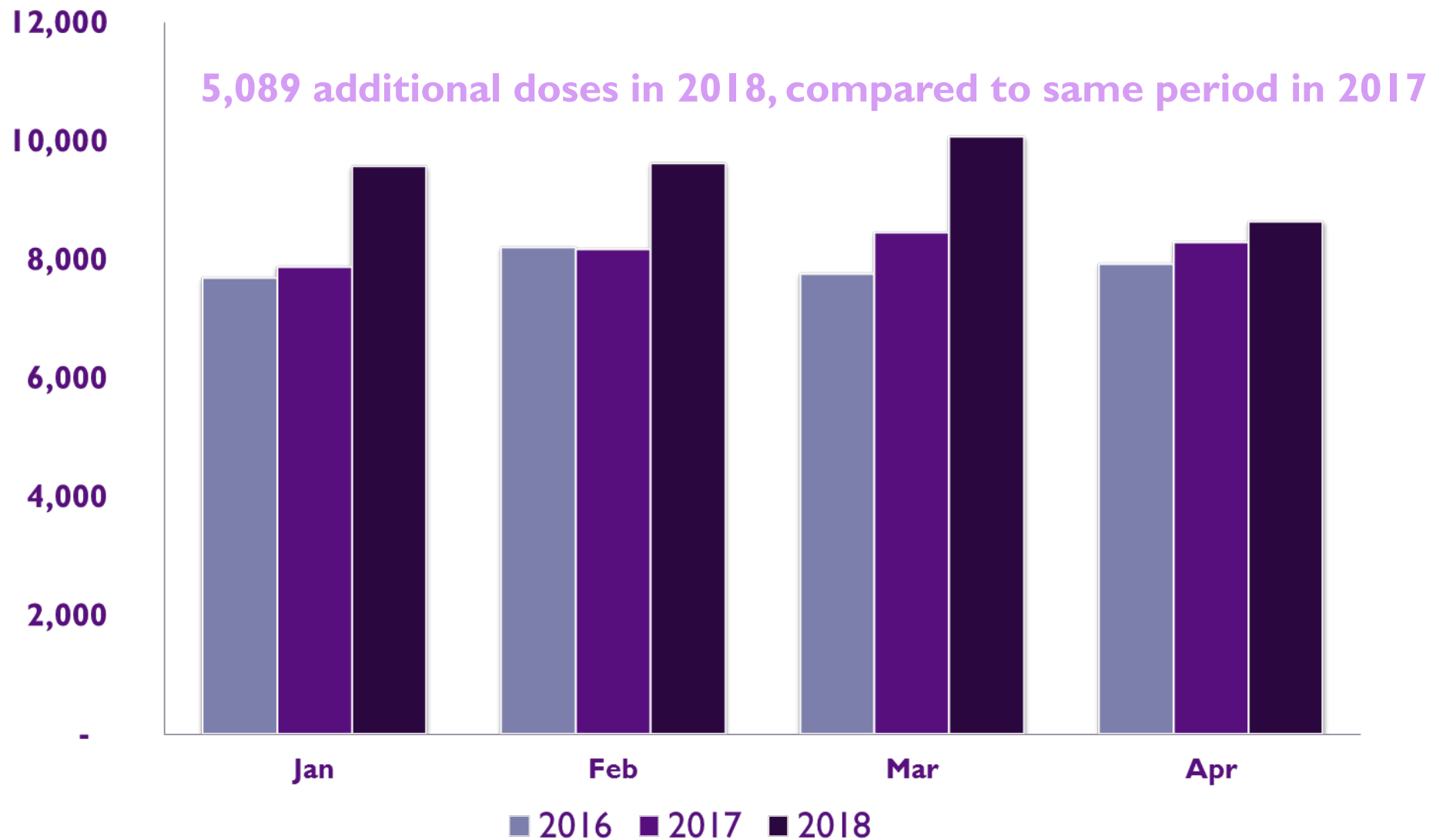
“Any contact with a health service that did not result in an eligible child or woman receiving a needed vaccine”

Causes:

- vaccine stock-outs,
- lack of integration (across PHC and with private sector and CSOs)
- concern about wastage or multiple injections,
- health care workers' misunderstandings about vaccine contraindications,
- lack of vaccine cards,
- transport or cold chain failure,
- staff absences or shortages



MoV training in Kinshasa -West (Dec 2017) led to in number of DTP3 doses



My Village My Home



Example of MVMH tool (*Uma Imunizasaun*) from Timor Leste, where MCHIP supported its use in 7 villages from 2012-2013.

The MVMH tool, is a large, poster-sized record on which every infant in a community has his or her own row, with spaces for the child's name, date of birth, and dates of each vaccination.

Community members enter completed vaccinations into the tool by cross-checking health facility registers and child health cards/home-based records, or through home visits, on a monthly basis

A roof covers the community list, illustrating the idea that each vaccination of each child fills in a brick or board that strengthens the entire house, by adding protection for the entire community from vaccine-preventable diseases.

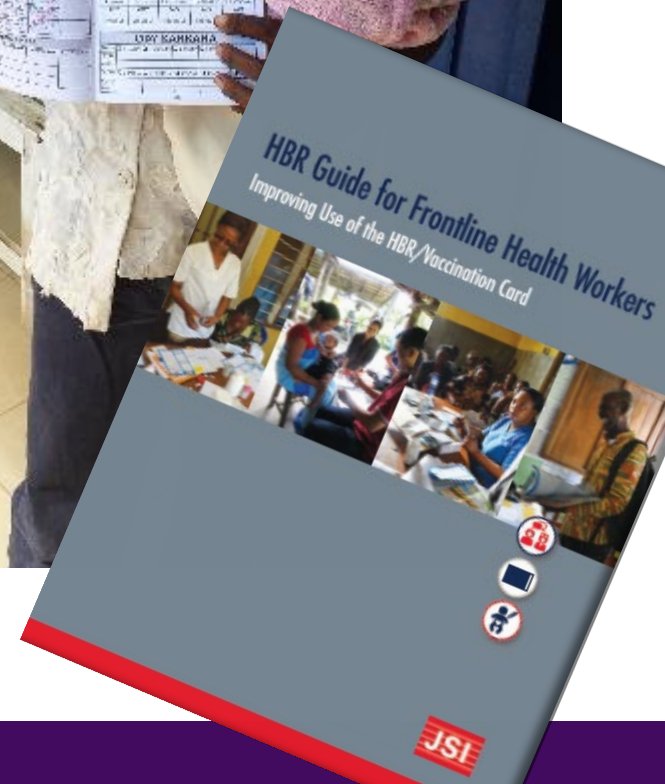
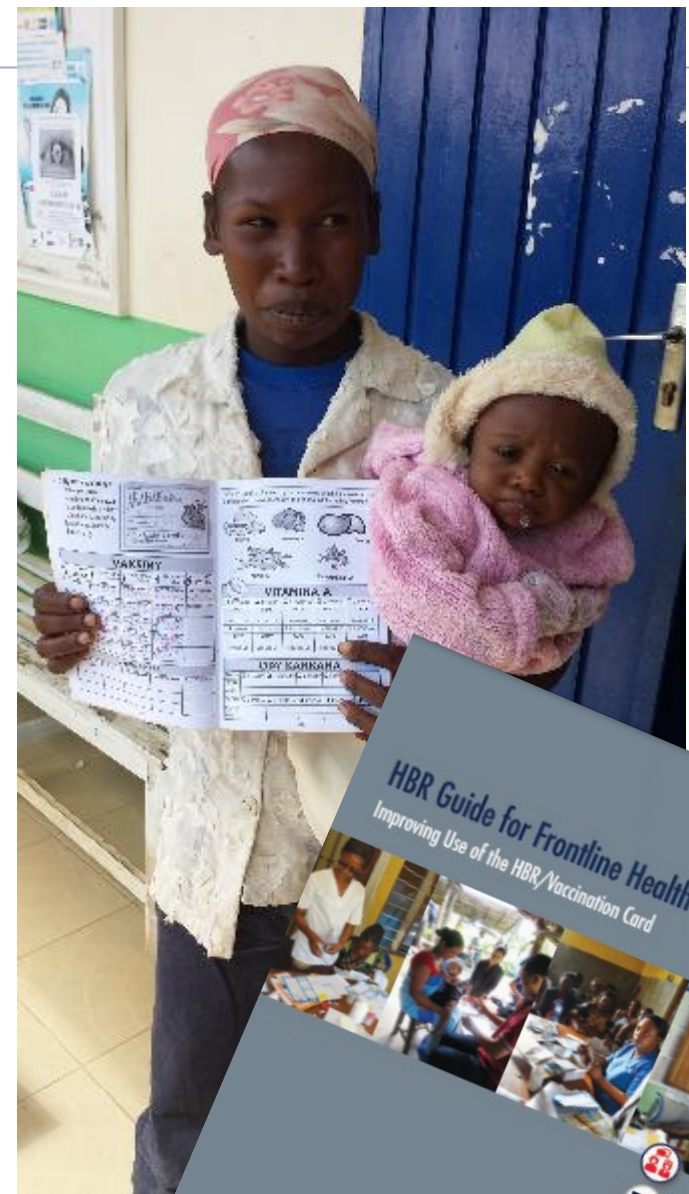
Posted in a public place such as a community center or kept at the community leaders house, the MVMH tool is intended to create a social expectation that families will keep their children up-to-date on vaccinations.

Ideally, use of the tool informs and motivates caregivers, local leaders, and volunteers, as well as professional health staff, to have more infants vaccinated, and sooner.

Learning from Home-based Records analysis and Data Quality Improvement Planning

1. Health workers not always familiar with vaccination schedule
2. Reminders and appointments/return dates are important for parents, including understanding their individual child's schedule
3. Data tools need to be used and monitored – e.g. RVV in immunization registers, vaccination cards, monthly reports
4. Coverage should be more actively tracked and monitored

www.jsi.com/homebasedrecordsproject



Overview



4. Community partnership

The Communities' Job:

Bring children at the right times to the right places for vaccination



The Health Services' Job:

Provide quality vaccination services at the planned times
and places



...which commonly leads to...

...health providers feeling that caregivers just won't be responsible parents, AND caregivers feeling that services are inconvenient, unreliable, not friendly, and confusing.



Acknowledgement: Robert Steinglass

Community partnership



Giving voice to the ultimate customer

Joint responsibility to plan, promote and implement services to increase accountability, appropriateness, quality and sustainability of services.

Community Engagement is not just...

- Communication
- Demand Generation
- Top-Down Planning
- One way activities



But a shift towards...

- Community Conversations
- Intersection of Supply and Demand
- Partnering
- A dialogue

Community partnership

Challenges

Unclear roles
Distrust (especially vulnerable popns.)
Not monitored and not remunerated
Accountability
Representation (power dynamics)
Quasi-legal nature of some communities

Illustrative examples

Strategic communication:
interpersonal, advocacy, dispel rumours
Contribute: outreach planning food, transport, crowd control
Community meetings
Peer education
Identify community mobilizers
announcing services
Analysis left outs and drop outs
Case detection



Community Partnership

Recruitment and train local health volunteers (master listing and defaulter tracking)



EPI champions for social mobilization



Advocacy and demand generation:
Interpersonal Communication and
Counseling (IPCC)



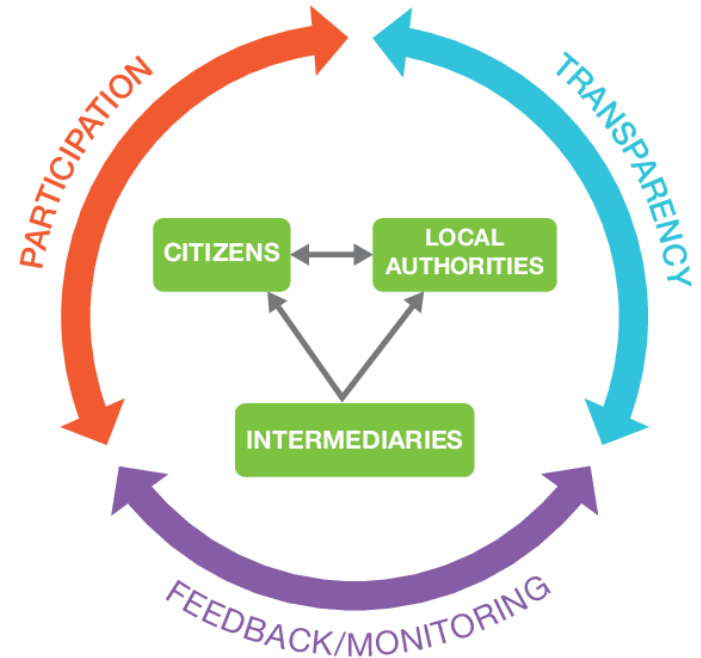
Social accountability frameworks

Communities hold Govts., partners and donors accountable to pledges and needs:

- Empowerment of communities
- Political and policy changes
- Service delivery

Promising results with community score cards, political representation and health immunization:

- Recent RCT in India UP
- DFID 2016, WHO/USAID 2017, 3IE 2019 reviews
- Especially in fragile settings



School and Community Partnership

School children as health promoters...

- among their parents
- other children
- community groups
- Links with nutrition, WASH & HPV



Overview



5.The future

The future

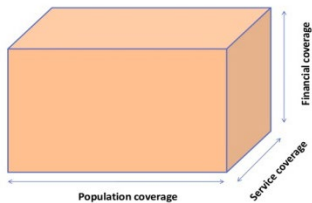


2030 SDGs, IA2030 & Gavi 5.0: Partnerships, UHC / PHC, life cycle approaches, integration (Supply chains, inter-sector & inter-program)



Domestic resource allocation: national priority setting and affordability; increasing need for political commitment

Universal health Coverage: 3 dimensions

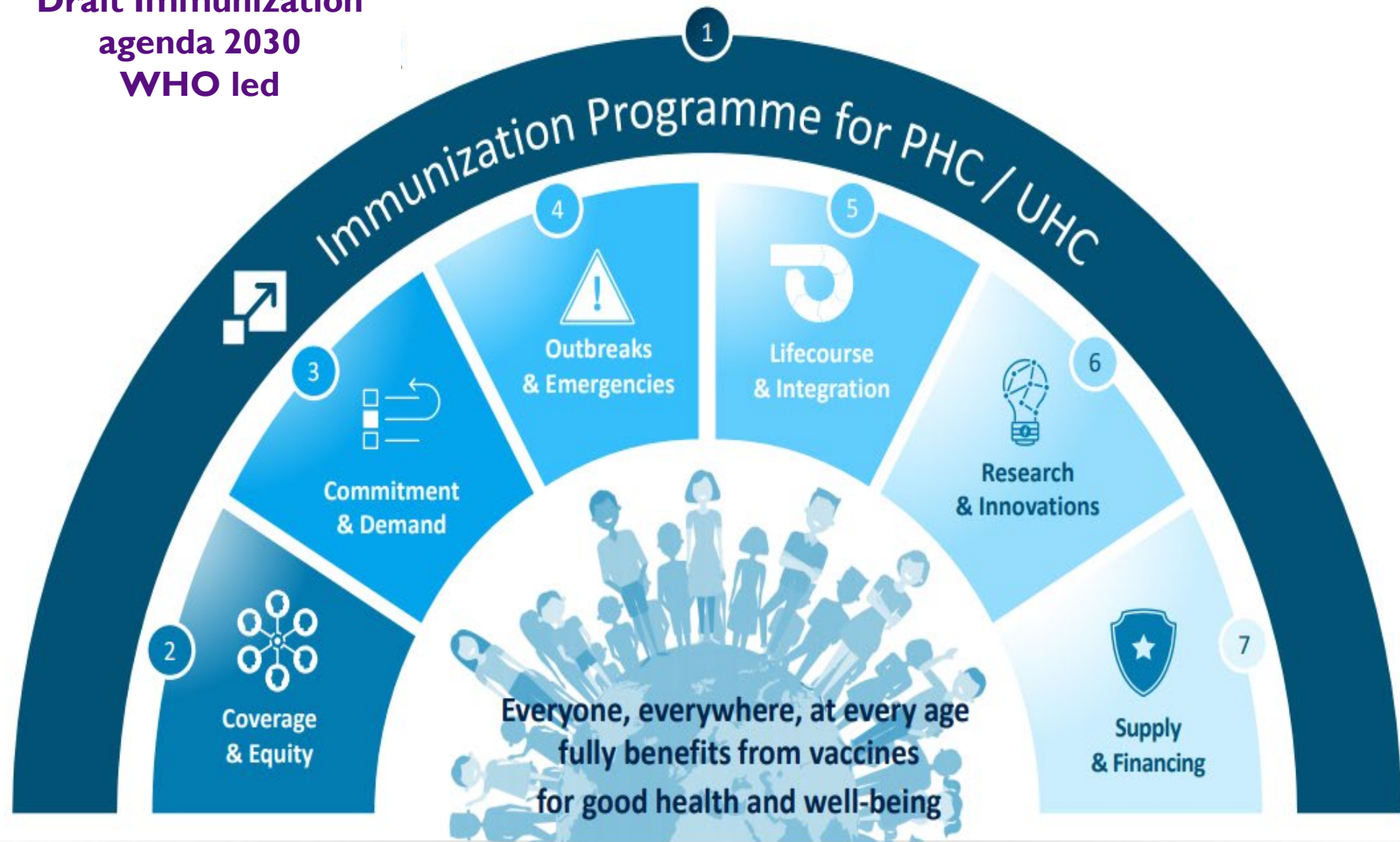


UHC 3 dimensions: i) essential health packages, ii) funding decisions and iii) scaling up access



Equity: Tailor RED / REC approaches for fragile, urban / rural poor communities, engage civil society (demand, accountability & appropriate services), MoV, # dose per vial, TSE, technology.

**Draft Immunization
agenda 2030
WHO led**



Gavi 5.0: focus on equity and reaching zero dose children, requires differentiated, tailored and targeted approaches

Gavi, the Vaccine Alliance strategy 2021 - 2025

Vision		Gavi  The Vaccine Alliance		Leaving no-one behind with immunisation		SUSTAINABLE DEVELOPMENT GOALS 		
Mission 2025	To save lives and protect people's health by increasing equitable and sustainable use of vaccines	Mission indicators	<ul style="list-style-type: none"> Child mortality reduction Lives saved Future DALYs averted Equity indicator 	tbd tbd tbd tbd	<ul style="list-style-type: none"> People (male & female) vaccinated with Gavi support across the life course People (male & female) vaccinated with Gavi support against outbreak-prone diseases Economic benefits unlocked 	tbd tbd tbd		
Principles	<ul style="list-style-type: none"> Missed communities, first priority: Prioritise children missing out on vaccination including among migrants, displaced and other vulnerable populations Gender focused: Identify and address gender-related barriers to promote immunisation equity Country-led, sustainable: Bolster country leadership to sustainably deliver and finance immunisation Community owned: Ensure community trust and confidence in vaccines by engaging communities in planning, implementation and oversight of immunisation Differentiated: Target and tailor support to national and subnational needs including fragile contexts 			<ul style="list-style-type: none"> Integrated: Strengthen immunisation as a foundation for integrated primary health care to reach unserved communities in support of universal health coverage Adaptive, resilient: Help countries leverage immunisation to address the challenges of climate change, Global Health Security, antimicrobial resistance and other major global issues Innovative: Identify and leverage innovative products, practices and services to reach everyone with immunisation Collaborative, accountable: Collaborate across stakeholders to achieve the SDGs in a transparent, coordinated and accountable manner 				
Goals	1 INTRODUCE AND SCALE UP VACCINES		2 STRENGTHEN HEALTH SYSTEMS TO INCREASE EQUITY IN IMMUNISATION		3 IMPROVE SUSTAINABILITY OF IMMUNISATION PROGRAMMES		4 ENSURE HEALTHY MARKETS FOR VACCINES AND RELATED PRODUCTS	
Objectives	<ul style="list-style-type: none"> A Strengthen countries' prioritisation of vaccines appropriate to their context B Support countries to introduce and scale up coverage of vaccines for prevention of endemic and epidemic diseases C Enhance outbreak response through availability and strategic allocation of vaccine stockpiles 		<ul style="list-style-type: none"> A Help countries extend immunisation services to regularly reach under-immunised and zero-dose children to build a stronger primary health care platform B Support countries to ensure immunisation services are well-managed, sustainable, harness innovation and meet the needs of all care givers C Work with countries and communities to build resilient demand, and to identify and address gender-related barriers to immunisation 		<ul style="list-style-type: none"> A Strengthen national and subnational political and social commitment to immunisation B Promote domestic public resources for immunisation and primary health care to improve allocative efficiency C Prepare and engage self-financing countries to maintain or increase performance 		<ul style="list-style-type: none"> A Ensure sustainable, healthy market dynamics for vaccines and immunisation-related products at affordable prices B Incentivise innovation for the development of suited vaccines C Scale up innovative immunisation-related products 	
Enablers	<ul style="list-style-type: none"> Secure long-term predictable funding for Gavi programmes Use evidence, evaluations and improved data for policies, programmes and accountability Ensure global political commitment for immunisation, prevention and primary health care Leverage the private sector, including through innovative finance mechanisms and partnerships 							

Thank you



Photo Credit: K S Sagar

RAVIN

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JSI RESEARCH & TRAINING INSTITUTE, INC.

References used for equity and coverage

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Resources to use

1. Reaching Every District (RED) - A guide to increasing coverage and equity in all communities in the African Region <https://www.afro.who.int/publications/reaching-every-district-red-guide-increasing-coverage-and-equity-all-communities>
2. Country decision making: introducing a new vaccine:
http://www.who.int/immunization/programmes_systems/policies_strategies/decision_making/en/
3. Missed Opportunities for Vaccination (MOV) Strategy
http://www.who.int/immunization/programmes_systems/policies_strategies/MOV/en/
4. Establishing and strengthening immunization in the second year of life: Practices for immunization beyond infancy http://www.who.int/immunization/documents/WHO_IVB_ISBN9789241513678/en/
5. Reaching Every District strategy (WHO)
http://www.who.int/immunization/programmes_systems/service_delivery/red/en/
6. WHO principles and considerations when adding a new vaccine
http://apps.who.int/iris/bitstream/10665/111548/1/9789241506892_eng.pdf?ua=1
7. Bottleneck and breakthroughs: lessons learned from new vaccine introductions in low-resource countries 2008-2013 (USAID / MCHIP) – table 7 pages 35-36
http://www.jsi.com/JSIInternet/Inc/Common/_download_pub.cfm?id=15580&lid=3
8. WHO SAGE, April 2012, review of NVI on health systems
http://www.who.int/immunization/sage/meetings/2012/april/presentations_background_docs/en/
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