OVERVIEW OF REACHING ZERO DOSE

CHILDREN

ICAVT ALUMNI REFRESHER VACCINOLOGY COURSE 2024

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www.gavi.org

Outline

- Current global situation / status of zero dose children:
- Context and Barriers to increasing or maintaining immunization coverage
- Definition of zero dose and framework to identify and reach zero dose children
- Strategies to reach Zero dose children
- Best practices



The SDG, UHC, IA 2030 and Gavi 5.0 strategy provide a framework to reach zero dose children



IA 2030 prioritises reaching zero-dose and the most marginalised children

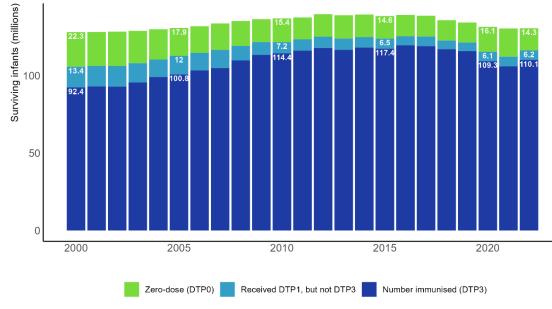
Gavi 5.0 : Leaving no-one behind with immunisation



Hence country driven National Immunisation Strategies (NIS) have Equity at the heart of the new strategy: reaching zero-dose and under-vaccinated children

Current status of zero dose globally

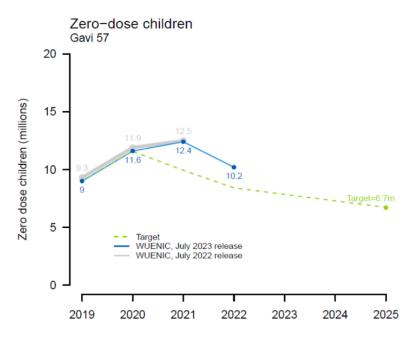
Figure 1: Progress in reaching zero-dose and under-immunised children globally



Source: WUENIC July 2023 estimates

- In 2022, approximately 20.5 million of the 130 million children globally do not receive their third dose of DTP-containing vaccine.
- 70% of these children, 14.3 million in total, do not receive a single dose of DTP- containing vaccines and are defined as "zerodose".
- Reduction in number of zero-dose has plateaued over last decade pointing to persistent inequities

Need more efforts to reach IA 2030/ Gavi 5.0 target



Note: Targets are based on 25% percent decrease from 2019.

There are now 10.2m zero-dose children as of 2022 in Gavi supported countries:

- –2.1m (17%) decrease from 2021
- +1.2m (14%) higher than 2019 (now a 34% reduction required to reach 2025 target)

Gavi57 countries account for 71% of 14.3m global zero-dose children as of 2022

10 countries account for 81% of ZD in Gavi57

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What is the context of zero dose (1/2)?

POVERTY



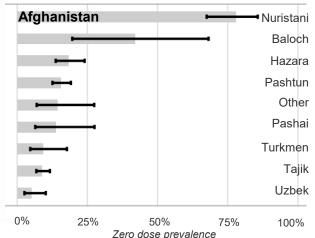
2 out of 3 zero dose children live in households surviving on less than \$1.90 a day

1 in 8 children in Gavi-supported countries are Zero dose, and yet they account for nearly half of all children dying from vaccine preventable diseases.



GENDER

ETHNICITY



47% zero dose less likely to have mother receiving **antenatal care** or **skilled birth attendance**

Large differences in zero-dose prevalence by **ethnic groups** in many countries

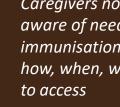
Context (2/2) - 50% in urban/remote rural and conflict regions



Why are we missing families & communities

knowledge / information gap





trust or confidence gap

'intention to action' gap

service delivery / quality problems



Caregivers not aware of need for immunisation or how, when, where

Fear of side effects, mistrust in vaccines or authorities delivering them underpinned by social exclusion

Open to *immunisation but* lack of motivation, logistical barriers, competing priorities etc

Lack of vaccines, vaccinators, long queues, rudeness, no toilets etc

EXACERBATED BY GENDER RELATED BARRIERS

home

EXAMPLES

facility



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Key Definitions



'Zero-dose children' are those who have not received any routine immunisation. For operational purposes, Gavi defines zero-dose children based on the absence of the first dose of combined diphtheria, tetanus and pertussis vaccine*.



Under-vaccinated children are those who have not received a full course of routine vaccinations. For operational purposes, Gavi defines under-vaccinated children as those who have not received a third dose of combined diphtheria, tetanus and pertussis vaccine.



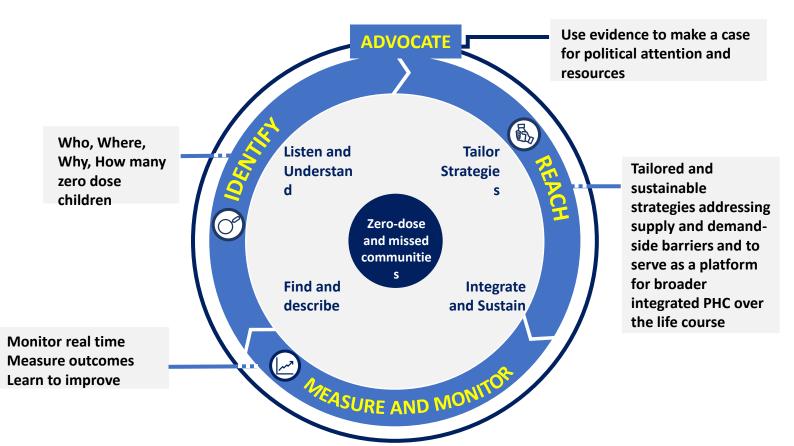
Missed communities are home to groups of zero-dose and under-vaccinated children. These communities often face multiple deprivations and vulnerabilities, including lack of services, socio-economic inequalities and gender-related barriers.



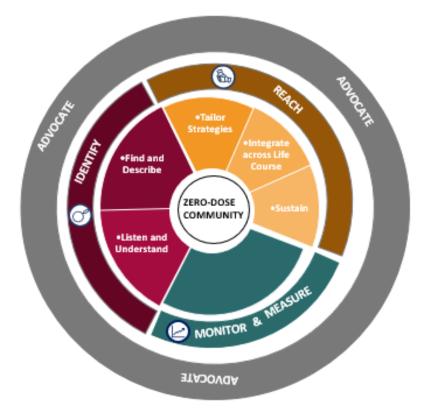
Equity: The organising principle of the Alliance's 2021-2025 strategy, whose vision is to leave no one behind in immunisation. This means focusing specifically on using all Gavi levers to bring immunisation to missed communities and zero-dose children

* The goal of reaching zero-dose children is not limited to providing a first dose of DPT vaccine. The ultimate goal of the Alliance is to ensure that these children are fully immunised with all the vaccines in the immunisation schedule.

IRMMA framework - using Zero Dose Strategy to Strengthen Primary Health Care across the Life Course



Database of Resources on strategies: Browse by IRMMA on WHO Technet



Database of Resources on TechNet: Browse by IRMMA

Return to the IDENTIFY classification page Click on the name of the resource to access the synopsis	
Find and describe	Listen and understand
Missed Opportunities for Vaccination (MOV) Strategy	WHO Practical Guide for the Design, Use and Promotion of Home-Based Records in Immunization Programmes
Guidance Note – Coverage and Equity Assessments for Immunization Programs	Guide to Tailoring Immunization Programs (TIP)
Guide to Tailoring Immunization Programs (TIP)	Immunisation in Practice (IIP) (Guidance on microplanning and partnering with communities).
Immunisation in Practice (IIP) (Guidance on microplanning and partnering with communities).	Policy coherence as a driver of health equity.
Urban Immunization Toolkit	Urban Immunization Toolkit
Vaccination in Acute Humanitarian Emergencies. A framework for decision making	Vaccination in Acute Humanitarian Emergencies. Implementation guide

Evidence Briefs from Gavi Learning Hub: Promising and Proven Approaches for ZD by IRMMA Category

Identify:

 Using (VPD universal or sentinel) Surveillance Data to Identify Zero-Dose and Geographic Information Systems (GIS) Mapping (Promising)

Reach:

- Integrated Campaigns, Leveraging women's groups, & Community groups paired with CHWs (e.g. the Care Group Approach, HEWs + Women's Development Army) (Promising)
- Incentives for users (*Proven* but requires further study since sustainability issues persist)

Measure & Monitor:

- <u>Community-based monitoring</u> (*Promising*) [Collaborative processes where community members and providers come together to jointly develop and implement solutions (e.g. community score cards, facility report cards).]
- <u>Targeted surveys</u> (district level and below e.g. LQAS, RCM) to monitor immunisation programming for ZDC (Promising)

Advocacy:

<u>Social accountability</u> (Promising)

Note: Overall, countries have sometimes implemented IRMMA <u>piecemeal</u>. "Advocate" is most misaligned with country needs (44% alignment) followed by "Mon. & Measure" (81%), "Reach" (90%), "Identify" (91%)¹⁵

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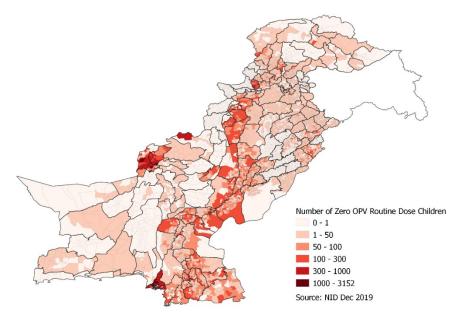


Strategies to reach Zero Dose children and Country Best Practices

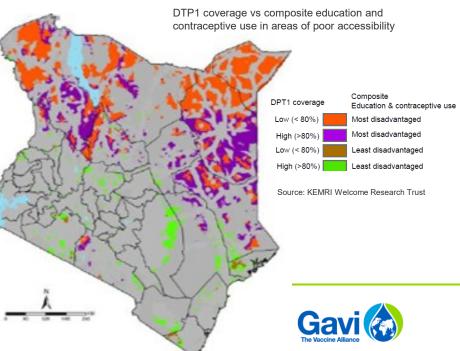


Identification of zero dose children through data triangulation; geospatial mapping

Pakistan: Absolute numbers of zero dose identified through triangulation of data



Kenya: Geospatial mapping to find most disadvantaged populations



In **Togo**, 'Papa Champions' help to change behaviour and **reach** missed children through local CSO partnership

	• 20% of men considered immunisation a 'waste of time'
Context	 29% of women reported their husband's refusal as the barrie to immunising their child

- Fathers trained and supported by local NGO network to promote immunisation, identify missed children and refer to health centres
- Targeted at 30 localities with high vaccine resistance and genderrelated barriers to vaccination
- Papa Champions helped ensure
 >80% of missed children In target localities were immunised.
- Now being scaled up further through HSS3



Papa

Impact

Champions solution

In Senegal adapting service delivery to address gender barriers

Senegal

- Weekend and late night immunisation sessions
- Vaccination at key transport hubs
- Advocacy with key authorities, administrative, religious & community leaders.

DTP3 coverage increased by 7% between 2018-19

In Mali, Community ownership and accountability can maintain health services during instability and post pandemic recovery

- Urban immunisation strategy piloted
 through local CSO partnership
 - In Bamako slums 300 female health leaders mobilised communities to demand immunisation services through Whatsapp groups and tracked progress. Scaled up to 17 urban slums
 - Subsequently with new FPP scaled up across the country
- Interventions helped in increasing coverage by 7% to pre-pandemic
 level of 77%





Multisectoral collaboration and purposeful partnerships enhance *Reach* in fragile and humanitarian settings

SOUTH SUDAN

Partnerships with donors, public/ private sector initiatives, Alliance partners, humanitarian organisations, CSOs

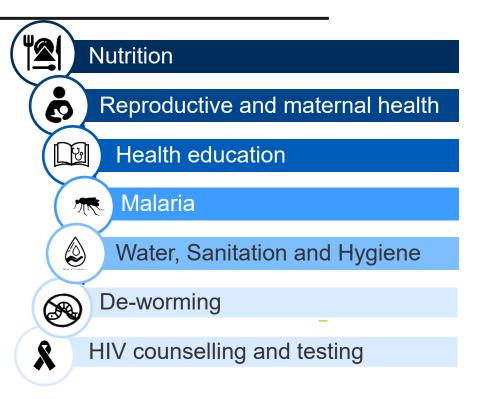
Using PHC as an entry point for the provision of immunisation services

Nutrition therapeutic centres offered nearly 50% of penta 3 vaccinations in





CROWN AGENTS

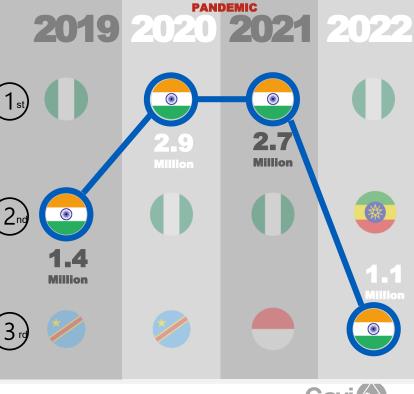


Dramatic post-pandemic recovery in India

- A significant reduction in number of zero dose children from 2021 to 2022
- In 2022, 1st to 3rd place in global ranking for highest zero dose children



Countries with highest number of Zero Dose Children (based on WUENIC)



India - Reaching Zero Dose children

Intensification Prioritisation



- **Strong political will** •
- Built on existing national ٠ immunization programme intensified to reach all children up to 5 years of age



- Prioritisation of high-risk districts (30%) based on ZD & measles outbreak
- **Implemented bespoke** district plans through IMI
- Galvanised Task Forces at sub-national levels
- **Addressed vaccine hesitancy**

Digitalisation

- Nationwide roll out of UWIN to **digitalise Universal Immunisation** Programme
- Tracking progress using live dashboards, for monitoring and accountability mechanisms
- Digitalised microplanning
- **Concurrent monitoring** and feedback from the lowest levels

Partnership Utilisation

- Direct oversight and advocacy by WHO India & **SEARO**
- Direct **monitoring** support through WHO **SMOs** for over 330,000 immunization sessions and more than 3.58 m children
- **Surge requirement** support for planning and monitoring





ALM