Sustainable access to vaccines in Middle Income Countries (MICs): the WHO MICs Task Force

Tania Cernuschi

Technical Officer - Vaccine Pricing, Supply, Procurement FWC/IVB/EPI cernuschit@who.int



Overview

Introduction to the WHO MICs Task Force

Review of the MICs problem statement

Preliminary hypothesis around priorities

Task Force's Next steps



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Next steps: Needs Assessment & Activity Mapping



Where we started

- MICs have high mortality from vaccine preventable diseases, yet <u>have fallen behind</u> donor funded LICs in new vaccine adoption and at risk of falling further behind
- Strong NIPs, financially self-sufficient programs: robust base to build upon
- WHA, SAGE recommendations (2008,2010) to investigate obstacles and mobilize resources for MICs
- BMGF-R4D-WHO (2011): New Vaccine Adoption in Lower-Middle Income Countries

Priority Recommendations						
Evidence and capacityStrengthen epidemiological and economic analysis capacitiesInformation Sharing						
	 Reliable source for global vaccine market information 					
Policy and advocacy • Strengthen political will, regulation and policy development						
Financing	 Low and affordable vaccine prices 					
	Sustainable domestic financing					
Procurement and supply	Efficient and effective procurement systems					



Current ongoing efforts

- Many initiatives to support MICs:
 - GAVI Alliance support to 39 MICs (mainly LMICs)
 - Support to GAVI graduating countries (24 in 2015) and review of GAVI graduation policy
 - Price transparency (V3P, JRF, GVAP price report)
 - Access to affordable prices (GAVI, Harvard Global Health Institute)
 - Pool procurement (UNICEF SD, PAHO, EMRO, Baltic States) and capacity building on procurement
 - TA for CMYPs, NRAs, NITAG strengthening (WHO, SIVAC)
 - Support to decision making & sustainable financing: Provac, SIF
 - Bilateral donor and NGOs funding and TA (e.g. USAID, MSF)
- Clear motivation, but lack of strategy and action plan for coordination
- SAGE (2012) recommendation for MICs Task Force for harmonization



MICs Task Force

Purpose:

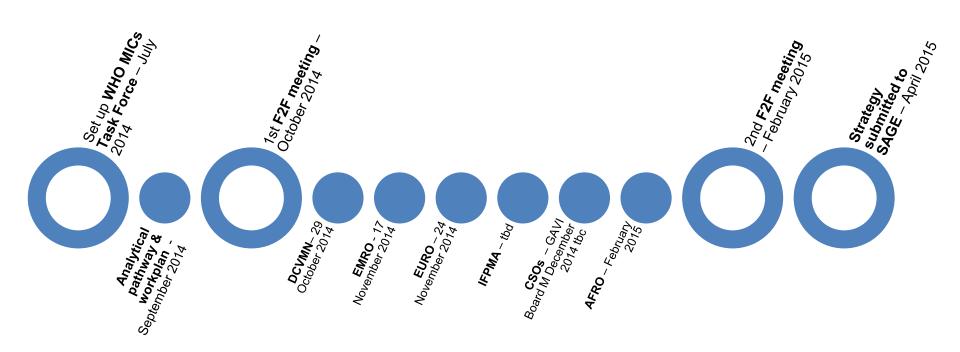
- Review the 'MICs issue' and current ongoing efforts
- To define a shared strategy and related action plan for sustainable access to vaccines in MICs
- And subsequently act as a coordination forum for activities related to access to vaccines for MICs
- Membership:

AMP
BMGF
GAVI Secretariat
Sabin Institute
Task Force for Global Health
UNICEF PD
UNICEF SD
WHO HQ (Chair) and Regional Offices
World Bank

Analytics: R4D with funding from BMGF



Task Force Timeline





Analytical pathway

1

MICs
Performance
against DoV
Targets

2

Needs assessment

3

Mapping of current activities against needs

4

Strategy & Action Plan Development

Outputs

Analytics

a

- Problem statement update
- Understand relative performance by groups

b

- Full set of needs against DoV
- Cross-cutting versus group specific needs

c

- Complete mapping of ongoing efforts by need, country, agency
- Challenges & opportunity identification

d

- Identification of short /long term priorities for action
- Development of action plan and related M&E framework



Criteria for prioritization of action

Criterion	Preliminary implications/considerations				
Health impact	 Focus on key actions in high burden countries Elimination and eradication goals to be kept in mind 				
Equity	 Focus on maximizing number of countries/people assisted, regardless of birth cohort size 				
Feasibility	Degree of difficulty and cost to be considered				
Value for money	 Assessment of how the (health) gain compares with the associated cost 				
Gap analysis	Strengthening ongoing efforts or charting new territory where actions have been missed or neglected				



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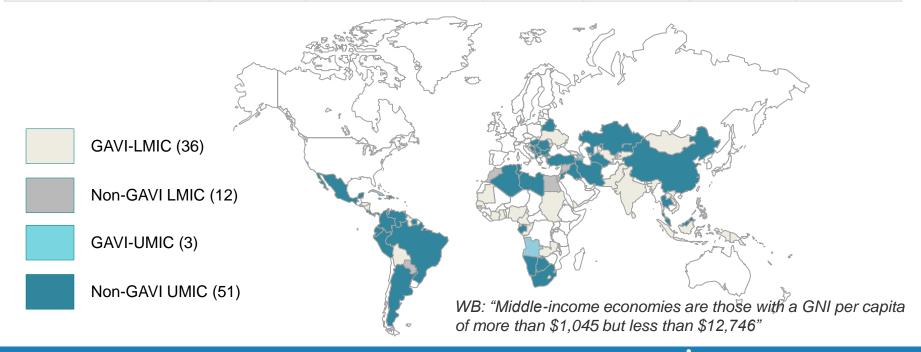
Preliminary hypothesis around priorities

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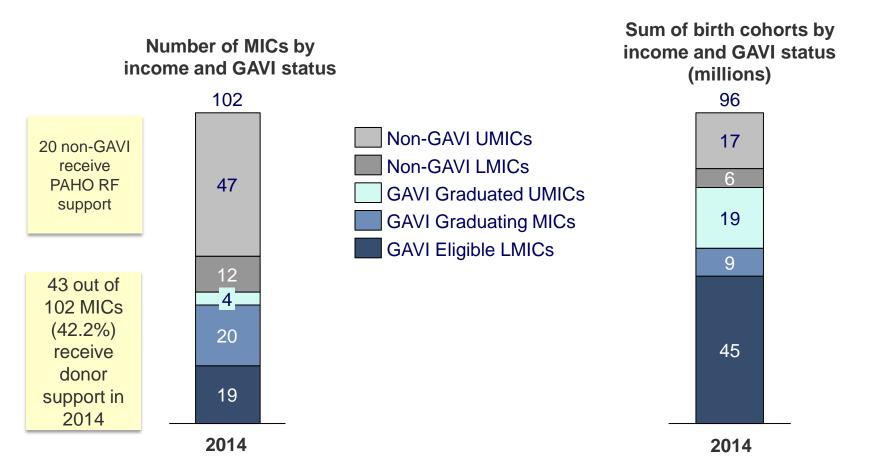
MICs are a very heterogeneous group

Country	Income Group	GAVI/PAHO eligibility	Birth cohort ((k)	# of NUVIs	DTP3 Coverage (%, 2013)	NITAG status
Brazil	UMIC	PAHO RF	3,141	5	95	F
Papua New Guinea	LMIC	GAVI graduating	213	1	68	NF
South Sudan	LMIC	GAVI eligible	417	0	45	NF
India	LMIC	GAVI eligible	25,519	1	72	F
Maldives	UMIC	-	7	0	99	F





Over 40% of MICs receive support from GAVI. An additional 18% belongs to PAHO RF





MICs are far from DoV targets*

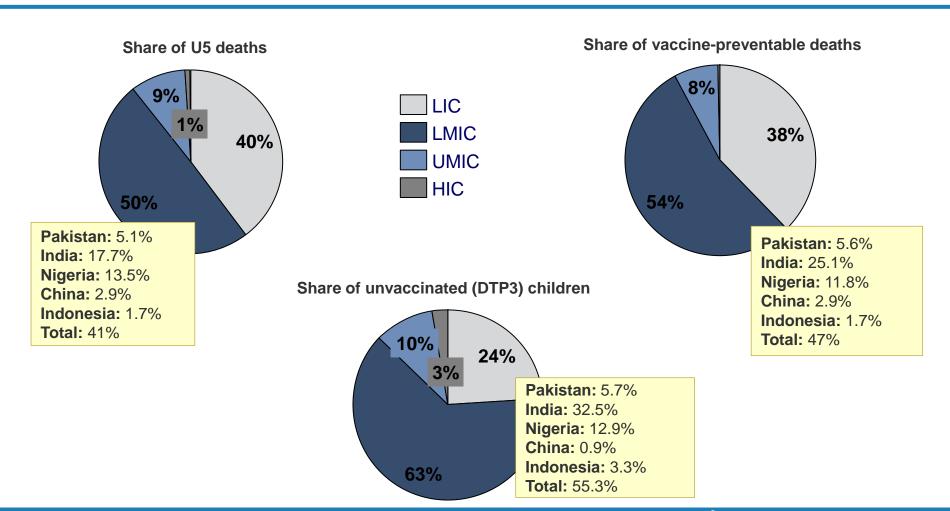
Decade of vaccine targets examined:

- 1. Achieve a world free of **polio**
- Meet global and regional elimination targets (measles)
- Exceed the MDG 4 target (U5M)
- Meet vaccination targets equitably (DTP3 coverage and equity in coverage)
- Develop and introduce NUVI
- Immunization as a priority (financing & NITAG)
- 7. Strong immunization systems (drop out rates& sustained DTP3)

- <u>Pakistan, Nigeria</u>, Syria, Cameroon, Yemen with confirmed polio cases in 2013
- India, Nigeria, Indonesia, Algeria, Zambia, top five MICs for measles deaths
- China is one of very few MICs having reduced by 2/3 U5M since 1990
- Very few countries (China) have DTP3 coverage above 90% and more than half of MICs don't meet equity targets
- 21% of MICs have introduced no new vaccines
- Trends in domestic expenditure falls short of targets & about 40% of MICs have functional NITAGs
- 70% of MICs have a dropout rate of less than 5% & 56% of MICs have sustained high DTP3 coverage over time



DoV gaps in MICs matter: great majority of world's U5M, VPD, and unvaccinated children are in MICs



Performance on DoV indicators by groups: summary

Income DoV			Region						Group			
indica- tors	LMIC	UMIC	AFR	AMR	EMR	EUR	SEAR	WPR	GAVI eligible	GAVI grad- uating	GAVI grad- uated	Non- GAVI
DTP3 >90%	76	94	71			94	75	98	74	76	99	
NUVI	1.5	1.7	1.2	2.7	1.3	1.2	0.9			0.8	1.1	
U5M	63	20	103	18		20		17	64	79	14	17
NITAG	40	35	10		77		71			26		
Drop- outs	5.6	3.3	5.5			0.8	5.1	9.2	7.3	5.4	0.3	
DTP3 >90% 3+ yrs	1.6	2.2				2.5 yrs			1.0 yrs		2.8 yrs	
90% dist >80%	40	81					14	89	21		100	

Green indicates strong, red weak, and yellow intermediate performage



The MICs problem statement

- MICs have large gaps to close to meet DoV targets
- The gaps in MICs DoV performance matter because the great majority of world's VPD and unvaccinated children are in MICs
- No group is meeting all DoV targets, but:
 - AMR and EUR performing better than other regions
 - GAVI-graduated countries are outperforming all others
 - Non-GAVI MICs are performing consistently better than GAVI-supported MICs
 - LMICs are performing consistently worse than UMICs
- Regarding NUVIs, MIC's lag LICs only in terms of % birth cohort reached
 - Lag is driven by the large GAVI countries (India and Nigeria)



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Review of the MICs problem statement

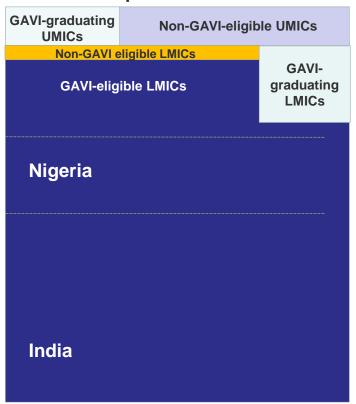
Preliminary hypothesis around priorities

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India and Nigeria have the highest number of vaccinepreventable deaths

Vaccine-preventable deaths

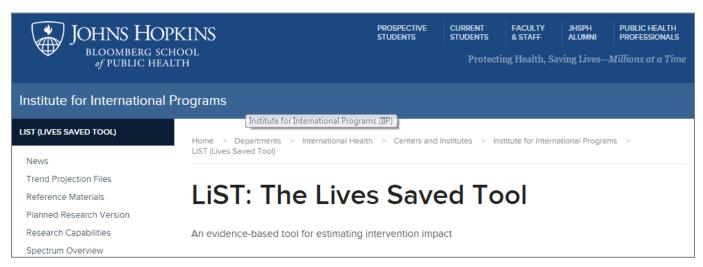


Cohort	VPD	Share (%)
India	531,358	40
Nigeria	249,302	19
GAVI-eligible LMIC	263,931	20
GAVI-graduating LMIC	75,476	6
Non-GAVI LMIC	33,976	3
GAVI-graduating UMIC	41,041	3
Non-GAVI UMIC	120,059	9
Total	1,315,144	

GAVI-eligibility



Comparing impact of increasing coverage vs. NUVIs Lives saved analysis

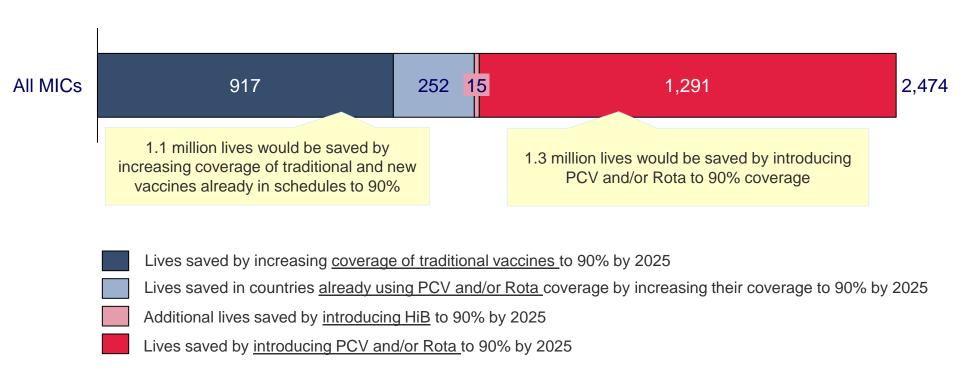


Inputs Assumptions 86 MICs analyzed (based on availability of data in LiST) 99% of birth cohort Range: 2014 (baseline) – 2025 Increased coverage linearly to 90% by 2025 (kept consistent if >=90% in 2013) WHO-UNICEF coverage estimates for DTP3, HepB, HiB, MCV, PCV, and Rota (2013)



Gains in reducing VPD in MICs will come from both introducing new vaccines & increasing coverage

Lives saved by intervention (thousands) between 2014-2025



Preliminary hypothesis around priorities

- Nigeria and India represent 59% of MICs VPD burden. Other GAVI eligible and graduating MICs represent 29% of VPD burden while non-GAVI MICs are only 12% of VPD burden
- GAVI eligible and graduating MICs are receiving dedicated support by the Alliance (i.e. vaccine subsidy, HSS grants, technical assistance)
- To ensure complementarity and for global equity reasons, the work of the MICs Task Force could focus on non-GAVI MICs
- Recognizing that 22 MICs are expected to graduate between 2016 and 2020 and thus the non-GAVI cohort will grow over time
- To reduce VPD, the Task Force should probably focus on both further new vaccine introduction AND coverage improvement in MICs



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First conclusions around priorities

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Needs assessment from desk review

	Barrier/Problem	Possible MICs Needs/Solutions						
	Decision making – weak skills and information	CEA capacity and dataPrioritization	• NITAGs					
Introductions	Regulation & governance – delayed approvals, registration, lot release, etc	Legal or regulatory reform or change	• NRAs					
	Finance – insufficient budget, slow payment, lack of forex	Timely payment solutionsAdequate funding, Sustainability	Access to hard currency					
	Price – uncertainty, lack of info, doubtful affordability and sustainability	 Access to affordable prices, now and after GAVI graduation 	Trans-parent pricesNegotiating power					
	Procurement/supply – inefficient, slow, fails to select highest v4\$	Efficiency of procurement/ distributionStable supply	National procurement capacity					
	Opposition to vaccine introductions – myths and misconceptions	Policy and advocacy	Tools to address anti- vaccine movement					
	Distrust by consumers – poor information and communications	OutreachBehavior change	Communication					
Coverage	Cold chain & logistics – infrastructure, technology, management	Transport Storage	 Maintenance Reaching rural areas Power supply					
	HRH # of frontline workers, skills, knowledge, support systems	Adequate trained staffEfficient allocation/ deployment	Increased motivationPerformance management					
	HMIS	Accurate, up-to-date dataSystems	Protocols and training for data collectionForecasting					

Mapping of partners' activities to identify challenges and opportunities

AMP

BMGF

CHAI

Gavi

Harvard

Johns Hopkins

MSF

Sabin

Task Force for Global Health

UNICEF PD

UNICEF SD

USAID

WHO

CDC

CSO Constituency

ICRC

International

Development

Cooperation

Agencies (DFID,

Sida, Cida, AFD)

PATH

Regional development banks

(ADB, IDB)

World Bank

What? Where? What works? What more? What different?



Industry Consultations

- Past industry consultations:
 - R4D study (2011) NUVI in LMICs
 - V3P 2012-2013
 - GAVI ATAP 2014
- Kindly send any feedback to <u>mariats@who.int</u>



Thank you!



