Multiregional Workshop on developing policies, guidelines and SOPs for effective vaccine management

Bangkok, Thailand, 9–13 December 2024

Report of the meeting







SEA-Immun-164

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Abbreviations and acronyms

EVM	effective vaccine management		
EVM E 1–9	vaccine management functions		
EVM M 1–4	supply chain management functions		
EVM R 1–6	resource management functions		
EVM ST	strategic planning		
IA2030	Immunization Agenda 2030		
iSC	immunization supply chain		
МоН	Ministry of Health		
SOPs	standard operating procedures		
UNICEF	United Nations Children's Fund		
UNICEF EAPRO	UNICEF East Asia and Pacific Regional Office		
UNICEF ROSA	UNICEF Regional Office for South Asia		
WHO	World Health Organization		
WHO HQ	WHO headquarters		
WHO-SEARO	WHO Regional Office for South-East Asia		

Executive summary

The Immunization Agenda 2030 (IA2030) and its regional translation for the WHO South-East (SE) Asia Region, Strategic Framework for Regional Vaccine Action Plan 2022–2030, as envisioned in its Strategic Priority 1 (SP1) related to immunization for primary health care/universal health coverage, seek to "secure high-quality supply chains for vaccines and related commodities and effective vaccine management, within the primary health care supply system" as part of the Strategic Priority Objective 1.4 (SPO 1.4) of IA2030.

Designed to help progress towards achieving SPO 1.4, the objectives of the Multiregional Workshop on developing policies, guidelines and SOPs for effective vaccine management (EVM), held in Bangkok, Thailand, on 9–13 December 2024, were to:

- (1) understand effective vaccine management benchmarks and identify the gaps in countries' immunization supply chain (iSC) evidence, policies, guidelines, standard operating procedures (SOPs) and job aids;
- (2) develop a strategy and time-bound action plan to fill any gap related to iSC policy, guidelines and SOPs, and put in place a system for managing them;
- (3) understand where useful reference resources, country examples and technical assistance can be found; and
- (4) elicit country input on EVM SOPs and job aids template, and build an online community of practice around iSC evidence, policies and SOPs.

The meeting was jointly conducted by the WHO headquarters (WHO HQ), the WHO Regional Office for South-East Asia (WHO-SEARO), the United Nations Children's Fund Regional Office for South Asia (UNICEF ROSA) and the UNICEF East Asia and Pacific Regional Office (UNICEF EAPRO). It was attended by participants from WHO and UNICEF country offices, and ministries of health in 13 nations – Afghanistan (WHO, UNICEF), Bangladesh [WHO, UNICEF, Ministry of Health (MoH)], Bhutan (MoH), the Democratic People's Republic of Korea (DPR Korea) (UNICEF only), India (WHO, UNICEF), Indonesia (MoH, WHO), Maldives (MoH), Myanmar (WHO, UNICEF), Nepal (MoH, WHO, UNICEF), Pakistan (WHO, UNICEF), Sri Lanka (MoH, UNICEF), Thailand (MoH) and Timor-Leste (MoH).

The meeting concluded with the following outputs and the way forward:

- (1) Each country team has developed an action plan, which will be reviewed within the country, involving various stakeholders, and will be finalized by 15 January 2025 and shared with the Secretariat.
- (2) Countries that are willing to share the available SOPs, guidelines and job aids with the global community have uploaded the respective documents in the shared drive created for the purpose. Eight countries have already shared these documents, which will be added to the global repository by WHO HQ.
- (3) WHO-SEARO, UNICEF ROSA and UNICEF EAPRO will follow up on the action points in Q3 of 2025 with the respective country teams.

1. Introduction

The Immunization Agenda 2030 (IA2030) and its regional translation for WHO South-East Asia Region, Strategic Framework for Regional Vaccine Action Plan 2022–2030, places particular emphasis on reaching marginalized and vulnerable populations, striving to ensure universal vaccine coverage for all children.

As envisioned in the Strategic Priority 1 (SP1), related to immunization for primary health care/universal health coverage, SPO 1.4 focuses on the need to "secure high-quality supply chains for vaccines and related commodities and effective vaccine management, within the primary health care supply system". This is further elaborated on in the Key Focus Area 1.4 (KFA 1.4), related to supply chain and logistics, which envisions:

- strengthening supply chains to ensure that high-quality vaccines are always available in the right quantity and form at the right time, in the right place, and stored and distributed under the right conditions;
- promoting integration with other supply chains for more effective delivery of primary health care; and
- investing in systems and infrastructure to safely manage, treat and dispose vaccine waste to reduce their environmental footprints.

The immunization supply chain encompasses a wide array of components, including equipment, technologies, personnel, policies, procedures and capacitybuilding initiatives. These elements collectively play a pivotal role in ensuring the availability of vaccines at all levels of the supply chain.

Given the critical importance of the immunization supply chain, effective vaccine management (EVM) tools are utilized to assess and enhance its functionality. Originally introduced as EVM 1.0, this tool has been instrumental in conducting numerous validated assessments worldwide and has significantly contributed to the evolution of the immunization supply chain system. In 2019, a more advanced version of the tool, EVM 2.0, was launched, enabling more thorough, independent and unbiased assessments of the immunization supply chain. The effective vaccine management assessment, owned by the Ministry of Health (MoH), employs various criteria and categories to evaluate the performance of the supply chain, providing valuable insights into its effectiveness.

Initiated several years ago, the EVM assessment has been instrumental in driving progress within the immunization programme; it is indispensable for ensuring the success of immunization efforts and the resilience of the supply chain system. While EVM scores highlight issues, they often lack guidance on how to address the corrective measures effectively. There is a need to prepare guidelines, SOPs and job aids to implement improvement plans, which will be developed post EVM assessment. Gaps in awareness of the differences between policy, guidelines, SOPs, job aids, and community of practices and their availability have also been identified.

2. Objectives of the workshop

The overall objective of the workshop was to strengthen effective vaccine management in the countries of the regions concerned.

The specific objectives of the workshop were to:

- understand effective vaccine management benchmarks and identify the gaps in the country's iSC evidence, policies, guidelines, SOPs and job aids;
- (2) develop a strategy and time-bound action plan to fill any gap related to iSC policy, guidelines and SOPs, and put in place a system for managing them;
- (3) understand where useful reference resources, country examples and technical assistance can be found; and
- (4) elicit country input on EVM SOPs and job aids template, and build an online community of practice around iSC evidence, policies and SOPs.

3. Organization of the workshop

The workshop was held in Bangkok, Thailand, on 9–13 December 2024.

The meeting was jointly conducted by WHO HQ, WHO-SEARO, UNICEF ROSA and UNICEF EAPRO. It was attended by MoH/WHO/UNICEF participants from 13 countries – Afghanistan (WHO, UNICEF), Bangladesh (WHO, UNICEF, MoH), Bhutan (MoH), DPR Korea (UNICEF only), India (WHO,UNICEF), Indonesia (MoH, WHO), Maldives (MoH), Myanmar (WHO, UNICEF), Nepal (MoH, WHO, UNICEF), Pakistan (WHO, UNICEF), Sri Lanka (MoH, UNICEF), Thailand (MoH) and Timor-Leste (MoH) (list of participants in Annexure 3)

The meeting had four key components:

Component 1 (Day 1): Evidence, policies, SOPs and the effective vaccine management framework;

Component 2 (spread over Days 2, 3, 4): Presentation on some good practices by the countries with regard to the components of effective vaccine management;

Component 3 (spread over Days 1, 2, 3, 4) – group work to:

- > understand the various effective vaccine management benchmarks
- > (ST, R1–R6, E1–E9, M1–M4) through group work, one in each area;
- identify the need for policy, guidance, SOPs or job aids to achieve these benchmarks; and
- identify the priority SOPs required and provide inputs to develop generic SOPs;

Component 4 (Day 5): Preparation of a country action plan on the development of effective vaccine management SOPs, policies and guidelines (programme of the meeting in Annexure 1).

Prior to the meeting, a country survey form was filled in by all countries; it was used to build on the details of the meeting.

During the meeting, each country team reviewed all components of effective vaccine management benchmarks and identified the gaps in policies, guidelines and SOPs in each of the areas related to ST, R1–R6, E1–E9 and M1–M4.

Feedback from the participants was received using Mentimeter; it demonstrated high appreciation. The details of the feedback are in Annexure 2.

All meeting resources are available in the links below.

A. All slide decks and workshop materials, including the Excel sheets of work carried out by the countries, are available on the workshop SharePoint:

https://worldhealthorgmy.sharepoint.com/personal/khanals_who_int/_layouts/15/onedrive.aspx?id=%2F personal%2Fkhanals%5Fwho%5Fint%2FDocuments%2F0%2ESudhir%20Drive% 2FMeetings%2F2024%2F13%2EEVM%20SOP%2FMeeting%20resources&ga=1

B. All global EVM policies, SOPs and guidelines are available in the link below:

https://worldhealthorg.sharepoint.com/sites/ws-ivb_department/isckm/Evidence%20Policies%20SOPs/Forms/AllItems.aspx

4. Outputs and the way forward

- (1) All country teams reviewed the various components of effective vaccine management, such as ST, R1–R6, E1–E9 and M1–M4, and identified the gaps in policy, guidelines, SOPs and job aids, related to each of these areas.
- (2) There was significant cross-learning across countries during the group work and plenary session on country practices.
- (3) Each country team has developed an action plan, which will be reviewed within the country, involving various stakeholders, and finalized by 15 January 2025 and shared with the Secretariat.
- (4) Countries that are willing to share the available SOPs, guidelines and job aids with the global community have uploaded the respective documents in the shared drive created for the purpose. Eight countries have already shared these documents, which will be added to the global repository by WHO HQ.
- (5) WHO-SEARO, UNICEF ROSA and UNICEF EAPRO will follow up on the action points in Q3 of 2025 with the respective country teams.
- (6) WHO and UNICEF are to prepare and share guidance on how to manage iSC policies and SOPs, template SOPs and job aids, and example SOPs and job aids as a community of practices.

Annexure 1

Programme of the meeting

Day 1						
Time	Activity					
08:30-09:00	Registration					
09:00–09:45	Opening session					
09:45–10:15	Understanding policies and SOPs: iSC key concepts					
10:15–10:45	Evidence, SOPs, policies and the EVM framework					
11.15–11.30	Insights from EVM assessments: Availability of policies and SOPs					
11:30–12:00	Decoding the data: Analysis of the pre-workshop survey					
12:00–12:30	From concept to implementation: Developing and managing national policies and SOPs					
12:30–13:00	2:30–13:00 • Demonstration: Tool for reviewing national evidence, policies and SOPs					
	 Demonstration: Tool for finding relevant policy guidance 					
14:00–14:20	Group exercise 1, introduction: ST + R1–R6 evidence, policies and the EVM framework					
14:20–15:30	Group exercise 1: Review national ST + R1–R6 resources					
16:00–16:45	Group exercise 1: Contd.					
16:45–17:00	Wrap-up and reflection					
	Day 2					
09:00–09:10	Morning warm-up session					
09:10–10:30	Group exercise 1 presentations: Results from ST + R1–R6 policy reviews, insights and reflection – plenary discussion					
11:00–11:30	30 Country presentation: India and Myanmar best practices and challenges in iSC (ST and R1 to R6)					
11:30–12:00 Introduction of Group exercise 2: Mastering the approach for E1 to E5 components of EVM						
12:00–12:30	Country presentation: Bangladesh and Pakistan – best practices and challenges in iSC E1 to E5					
12:30–13:30	Group exercise 2: Mapping policy needs – E1 to E5					
14:30–15:30	Group exercise 2: Contd.					
16:00–16:45	Group exercise 2: Contd.					
16:45–17:00	Wrap-up and reflections					
	Day 3					
09:00–09:10	Morning warm-up session					
09:10–10:30	Group exercise 2 presentation: Mapping policy needs – E1 to E5 insights and reflections – plenary discussion					
11:00–11:30	Introduction of Group exercise 3: Mastering approach for E6 to E9 components of EVM					
11:30–12:00	Country presentation: Nepal, Sri Lanka – best practices and challenges in iSC E6 to E9					
12:30–13:30	Group exercise 3: Mapping policy needs – E6 to E9					

Day 3									
14:30–15:30	Group exercise 3: Contd.								
16:00–16:45	Group exercise 3: Contd.								
16:45–17:00 Wrap-up and reflections									
Day 4									
09:00-09:10	09:00–09:10 Morning warm-up session								
09:10–10:30	Group exercise 3 presentations: Mapping policy needs – E6 to E9, insights and reflections – plenary discussion								
11:00–11:30	Introduction of Group exercise 4: Mastering approach for M1 to M4 components of EVM								
11:30–12:00	00 Country presentation: Afghanistan and Myanmar – best practices and challenges in iSC M1 to M4								
12:00-13:30	Group exercise 4: Mapping policy needs – M1 to M4								
14:30-15:30	Group exercise 4 presentations: Mapping policy needs – M1 to M4,								
	insights and reflections – plenary discussion								
16:00–17:00 Developing templates for SOP, guidelines and policies									
17:00–17:15	Wrap-up and reflections								
	Day 5								
09:00-09:10	Morning warm-up session								
09:10–10:30	Country exercise: Action plan for priority areas on effective vaccine management SOPs, policies and guidelines								
11:00-12:00	D Country exercise – contd.								
12:00-13:30	12:00–13:30 Showcase session: Presentation of country action plans (10 minutes per country)								
a) Afghanistan									
	b) Bangladesh								
	c) India								
	d) Sri Lanka								
	e) Nepal								
	f) Pakistan								
	g) DPR Korea								
	h) Myanmar								
14:30–15:30	Showcase session: Presentation of country action plans (10 minutes per country)								
	i) Bhutan								
	j) Maldives								
	k) Timor-Leste								
	i) Thailand								
15:30–15:50	Progress review framework: Strengthening accountability through quarterly updates								
15:50–16:00	Closing reflections and vote of thanks								

Annexure 2

Participants' feedback on Mentimeter





What was the most useful part of the group work? What worked well and what did not?

Sitting in multi country team	Sharing country policies and SOPs	Brainstorming and cross learning.	Sharing experience, best practices, challenges , learning,
5 Popular	3	3	3
Cross learning	Cross learning	Sharing Multi country experience	Share experience of the different country
2	2	2	2
Getting to understand the difference between Policy and SOP Cross learning from countries	Multi country gropiing	Cross learning	Practical understanding, gain from others knowledge
2	1	1	1
Filling the EVM tool	Discussion on policies and link with the most appropriate SOPs. Added development of SOPs in work plan	Good experience to share experiences with other countries colleagues.	Multi-country experience sharing in a group went well. Country experience sharing went well. Time mgmt didn't went well.
1	1	1	1

Annexure 3

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Mr Rajiv Maken Executive Assistant, IVD/CDS WHO-SEARO, New Delhi, India Email: makenr@who.int The effective vaccine management (EVM) workshop, jointly organized by WHO and UNICEF, was attended by participants from 13 countries, who reviewed the various EVM benchmarks, identified the gaps in policies, guidelines, SOPs and job aids, and developed respective country action plans to fill these gaps. This meeting report outlines the proceedings and outcomes of the workshop conducted in Bangkok, Thailand, in December 2024



