

Meeting of the Strategic Advisory Group of Experts (SAGE) on Immunization

10-13 March 2025 Hybrid Meeting WHO HQ (Geneva)

Agenda

Time CET	Session	Purpose of session, target outcomes and questions for SAGE	Duration
9:00	Closed SAGE meeting	Preparation of the sessions of the day.	1h 45 min.
10:45	Break	Break	15 min
11:00	Opening and welcome — introduction of participants		15 min.
	R. B. AYLWARD. ADG/UHL. WHO. 5 min.		
	H. NOHYNEK. SAGE chair. 5 min.		
	J. HOMBACH. SAGE Secretariat. WHO. 5 min.		
11:15	Global and regional reports – Session 1	FOR INFORMATION	1h 10
	Report from the Director of IVB. K. O'BRIEN. WHO. 20 min.		min.
	Update from Gavi. S. NISHTAR. Chief Executive Officer Gavi, the Vaccine Alliance. 10 min.		
	Discussion. 40 min.		
12:25	Lunch Break	Break	1h
13:25	Global and regional reports – Session 1 Continue: Regional reports	FOR DISCUSSION	1h 50 min.
	Presentations from AFRO, EMRO, EURO. 10 min. each. Discussion. 25 min.	Each Regional report focuses one theme of particular importance for the Region	(3h 15 min. in
	Presentations from PAHO, WPRO, SEARO. 10 min. each.		total)
	Discussion. 25 min.		
15:15	Break	Break	15 min.
15:30	IA2030: Country-led data — Session 2	FOR DISCUSSION	2h
	Session introduction. C. TOSCANO, SAGE member. 5 min.	Purpose of the session is to:	
	IA2030 Mid-Term Review and its relevance for	- Review IA2030 Progress & Future Direction: Understand the progress of IA2030 in 2025	
	SAGE. B. MILLINCHIP, WHO. 5 min.	based on the Global Progress Report 2024,	

Enhancing data-driven decision-making: country-led data approach. N. BAR-ZEEV, WHO. 30 min. Discussion. 1h	 NIS at the core of immunization work: Update on the development and implementation of NIS since SAGE 2022. Understands priorities, country examples, and key recommendations to reinforce country-driven immunization efforts. Enhancing Data-Driven Decision-Making: Discuss the need for stronger national immunization data systems to improve strategic and operational planning, ensuring data-driven decision-making aligns with country needs.
17:30 End of day 1	country needs.

Time CET	Session	Purpose of session, target outcomes and questions for SAGE	Duration
9:00	Closed SAGE meeting	Development of recommendations of day 1. Preparation of the sessions of the day. Other important discussion items.	1h 45 min.
10:45	Break	Break	15 min.
11:00	Pneumococcus vaccination – Session 3	FOR RECOMMENDATION	1h 30
	Introduction. A. SCOTT, SAGE member and pneumococcal vaccines (PCV) working group (WG) chair. 5 min. Global Status Overview. D. FEIKIN, WHO. 5 min.	The SAGE PCV WG was established in 2017 to provide updated guidance on PCV schedules in childhood and then to review data on the use of PCV in adults, resulting in a position paper published 2019, and a for consideration paper published in 2021, respectively. New data related to schedule optimization, PCV multi-age cohort campaigns and fractional dose use have been	min. (5h 30 min. total)
	3-dose PCV schedules (40 min.)		
	Topic introduction. A. SCOTT. 5 min.		
	PCV Impact SLR, Pneumonia outcome. F. RUSSELL, U. Melbourne, Australia. 10 min.	generated and warrant expert review and policy updates in order to best guide countries on optimization of PCV strategies in childhood. Many	
	Additional evidence overview. D. FEIKIN. 5 min.	newer higher-valency PCV products are also becoming licensed or in the development pipeline for which policy guidance is lacking.	
	Discussion. 20 min.		
	Reduced dosing schedules (1+1) (1h 20 min.)	Recommendations made by SAGE will be used to develop an updated vaccine position paper for	
	Topic introduction. A. SCOTT. 5 min.	pneumococcus paediatric vaccination. SAGE will asked for policy guidance on the following topics:	
	Systematic review / meta-analysis. E. NEAL. U. Melbourne, Australia. 10 min.		
	Gambia 1+1 RCT. G. MACKENZIE, LSHTM, UK. 15 min.	Three-dose PCV schedules comparisonReduced PCV dosing schedulesFractional PCV dose	
	UK post-switch effectiveness data. S. LADHANI, Health Security Agency, UK. 10 min.	PCV use in Multi-age cohortsHigher valency PCV product use	
12:30	Lunch Break	Break	1h
13:30	Pneumococcus vaccination – Session 3 (continued)	FOR RECOMMENDATION	2h
	Reduced dosing schedules (continues)		
	Modelling assessments. S. FLASCHE, SAGE PCV WG member. 15 min.		

Discussion: 20 min.

Multi-age cohort campaigns (50 min.)

Topic introduction and overview of settings with reduced population immunity where MAC campaigns might be considered. A. SCOTT, SAGE member. 5 min.

Niger MAC study. R GRAIS, SAGE member. 15 min.

Somaliland campaign study and modelling. K. VAN ZANDVOORT, LSHTM, UK. 15 min.

Discussion. 20 min.

Fractional dose (1h 30 min.)

Topic introduction. C. TOSCANO, SAGE PCV WG member and SAGE member. 5 min.

Kenya fractional dose trial results. K. GALLAGHER. LSHTM, UK and KEMRI-Wellcome Trust Research Programme, Kenya. 15 min.

Discussion, 20 min.

15:40 Break **Break** 15 min 15:55 Pneumococcus vaccination - Session 3 FOR RECOMMENDATION 2h (continued) Working Group's draft Recommendations. A. SCOTT, SAGE member, 15 min. 3 dose schedules Reduced dosing (1+1) schedule Fractional dose Multi-age cohort campaigns Surveillance Discussion. 45 min. **Newer higher valency PCV Products (40 min.)** Newer PCV product pipeline and characteristics. Global serotype distribution, immunobridging data, PCV 15 and PCV 20. D. GOLDBLATT, SAGE PCV WG member. 15 min.

Working Group's draft

recommendation/considerations on newer higher valency products. A. SCOTT, SAGE member. 20 min.

Discussion.

17:35 End of day 2

Day 3:	Day 3: Wednesday, 12 March 2025				
Time CET	Session	Purpose of session, target outcomes and questions for SAGE	Duration		
9:00	Closed SAGE meeting	Development of recommendations of day 2. Preparation of the sessions of the day. Other important discussion items.	1h 45 min.		
10:45	Break	Break	15 min.		
11:00	Mpox – Session 4	FOR DISCUSSION	1h 30		
	Update on mpox and mpox vaccination	The objective is:	min.		
	Introduction to the session, including updates on vaccine effectiveness and safety, and ongoing vaccine research in the African region, K.NEUZIL. SAGE member and SAGE mpox WG chair. 10 min.	 Provide an update on the current status of the mpox epidemiology, vaccination strategies and vaccine roll-out in the African region, as well as on mpox 			
	Mpox epidemiology/transmission/risk factors for (severe) disease. A. HOXHA. WHO. 15 min.	 vaccine effectiveness and safety. Discuss data needs for updates on mpox 			
	Update on regulatory status, vaccination strategies, MVA-BN and LC16m8 doses allocated and administered in the	vaccine recommendations for outbreak response and the development of a preventive vaccination recommendation.			
	agenda globally	 Discuss options to advance the research agenda globally and regionally. 			
	Questions and discussion. 20 min.				
	Future directions Maccoparation impact modelling, D. McCopp. 9				
	Mpox vaccination impact modelling. R. McCABE & L. WHITTLES, Imperial College, UK. 10 min.				
	Discussion. 20 min.				
12:30	Lunch Break	Break	1h		
13:30	Varicella Herpes Zoster vaccination — Session 5	FOR RECOMMENDATION	2h		
	Introduction of the session. Dr. G. LEUNG, SAGE member. 5 min.	The purpose of this session is to present SAGE with the latest evidence on the global prevalence and burden of disease caused by varicella and herpes zoster and new evidence			
	Varicella				
	Varicella epidemiology, burden of diseases and vaccine protection and safety. K. MACARTNEY. University of Sydney. 15 min.	on safety, effectiveness and public health benefits of varicella vaccine and a new herpes zoster vaccine to update the 2014 WHO			
	Questions and answers. 5 min.	recommendation on varicella and herpes zoster vaccines.			
	Herpes zoster				
	Herpes zoster epidemiology, burden of diseases and zoster vaccine protection and safety. E. AMPONSAH-DACOSTA, University of Cape Town. 20 min.				
	Questions and answers. 5 min.				
	Global varicella and herpes zoster vaccine market analysis. G. STATHOPOULOS, WHO. 10 min.				
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	Draft recommendations and discussion. G. LEUNG. 1h				
15:30	·	Break	15 min		
15:30 15:45	Draft recommendations and discussion. G. LEUNG. 1h Break Global progress in National Immunization	Break FOR DISCUSSION	1h 30		
	Draft recommendations and discussion. G. LEUNG. 1h Break				

Global overview of NITAG progress. L. HENAFF, WHO. 15 NITAG Maturity assessment tool NMAT), and collaborative work by technical partners. NITAG country presentations: Successes, challenges, and opportunities that countries are facing in strengthening their LIC supported from beginning with Gavi funding. NITAGs, sustaining their functionality, C. NALWADDA, Uganda. 10 min. expanding their mandates, and addressing MIC with no dedicated secretariat. M. MELGAR, new areas of work. NITAG chair Guatemala), 10 min. HIC to show innovation and expansion of To discuss: mandate. M. TUNIS, NITAG secretariat Canada Emerging policy challenges, along with (NACI). 10 min. innovative strategies for upcoming support. Looking ahead: new and old challenges and innovative Role of NITAGs in providing guidance on strategies for support. Y. BERHANE. 10 min. immunization programme priorities and Discussion and conclusions, 32 min. programme optimization. Prioritization of new vaccine introductions -FOR DISCUSSION 17:15 45 min Session 7 The purpose of the session is to update SAGE Session introduction. S. OMER, SAGE member. 3 min. on current countries' prioritization efforts on new vaccine introductions as well as vaccine Presentation. J. FIHMAN, WHO. 20 min. portfolio optimization. Overview of Prioritization of New Vaccine To discuss: Introductions reflected in countries' National Opportunities to further support countries Immunization Strategies (learnings to date) anticipating future vaccine introductions in an The case for prioritization of new vaccine evolving and multifaceted environment, introduction (NVI) and portfolio optimization The role of NITAGs in the prioritization of new Findings from countries' experiences to date vaccine introductions and optimization of Perspectives on NITAGs' engagement in NIS to existing programmes. support prioritization efforts Enablers to support countries in NVI prioritization The role of SAGE in promoting these countryand portfolio optimization led prioritization approaches. Discussion. 22 min. 18:00 End of day 3

Day 4: Thursday, 13 March 2025			
Time CET	Session	Purpose of session, target outcomes and questions for SAGE	Duration
8:30	Closed SAGE meeting (part 1)	Development of recommendations of day 3. Preparation of the sessions of the day. Other important discussion items.	1h 45 min.
10:15	Break	Break	15 min.
10:30	Polio – Session 8	FOR RECOMMENDATION	2h 30
	Session overview by S. MADHI, SAGE member and SAGE polio WG chair. 5 min.	SAGE will be informed on the current status of the polio eradication programme and of the implementation of the new polio eradication	min.
	Update from the Global Polio Eradication Initiative. J. AHMED, WHO. 15 min.	strategy.	
	Questions: 15 min.	SAGE will be informed about current status of bOPV Cessation planning	
	Update on bOPV Cessation Planning and proposed guidance for countries considering moving to IPV-only schedules, O. MACH, R. LOPEZ WHO, I. BLAKE, Imperial College, UK. 20 min.	SAGE will be asked to review and consider for endorsement:	

Immunogenicity data of wP Hexa vaccine, A. BANDYOPADHYAY, Gates Foundation. (intro O. MACH) 10 min.

Programmatic implications of wP Hexa booster, A. RAMIREZ, WHO. 5 min.

Questions: 30 min.

Report from the SAGE Polio WG including update on nOPV development and proposed recommendations. S. MADHI. 15 min.

Discussion: 35 min.

- Proposed guidance for countries considering moving to IPV-only polio routine immunization schedules
- Proposed revision of the prior SAGE recommendation on RI schedules with wP Hexa vaccine

13:00	CLOSING		5 min.
13:05	END OF THE PLENARY MEETING		
13:05	Lunch Break	Break	55 min.
14:00	Closed SAGE meeting (part 2)	Any outstanding closed session items not covered previously.	1h
15:00	Break	Break	15 min.
15:15	Closed SAGE members only meeting Closed meeting (RITAG Chairs, Regional advisors and SAGE secretariat)	Both meetings in parallel	1h 30
16:45	Closing (SAGE members and SAGE secretariat)		30 min.
17:15	END OF THE SAGE MEETING		