



National Oxygen Scale-Up Framework Meeting

Agenda, as of 16 May 2024

Time	Topic	Speakers
Day 1 Summary		
<i>Orient participants to oxygen scale-up efforts by showcasing prior oxygen roadmap accomplishments and introducing zero draft of the National Oxygen Scale-Up template</i>		
Day 1 objectives: <ul style="list-style-type: none"> Demonstrate oxygen scale-up efforts through the application of oxygen roadmaps using country examples Share experiences and background on key topics relevant to oxygen scale-up efforts Introduce the zero draft of the National Oxygen Scale-Up template Solicit participant feedback on the zero draft of the National Oxygen Scale-Up template via electronic polling 		
Day 1 Opening session		
10:00-10:45	<ol style="list-style-type: none"> Welcome and opening (3 + 10 + 5 mins) Press Point Keynote speaker Setting the stage (2 mins) Meeting agenda 	<ol style="list-style-type: none"> Dr Michael Ryan, ExD/DDG WHO (<i>virtual</i>) Dr Jeff Kabinda Maotela, WHO Representative Senegal O.I.C. Dr Fatou Mbaye Sylla, la directrice générale des établissements de santé, Ministère de la Santé et de l'Action sociale, République du Sénégal Press Point Prof. Adegoke Falade, University of Ibadan, Nigeria Dr Janet Diaz, WHO Dr Marta Lado, Partners In Health
Plenary session 1: Existing oxygen roadmaps highlights		
10:45-12:00	<p>Showcase existing oxygen roadmaps</p> <p>Moderator to introduce concept of planning for oxygen scale up, outlining requirements, who to involve and how scale-up plans can be used (5 mins)</p> <p>Panel discussion (40 mins):</p> <ul style="list-style-type: none"> Initiating a roadmap Successes and challenges What the future holds 	<p>Moderator: Dr Habtamu Seyoum Tola, UNICEF</p> <p>Panellists:</p> <ul style="list-style-type: none"> Dr Khamsay Detleuxay, MOH Lao People's Democratic Republic Noelia Solares Muralles, MOH Guatemala Dr Olfa Challouf, MOH Tunisia Dr Prakash Budhathoki, MOH Nepal

	Open floor: Q&A and participant sharing (30 mins)	- Dr Damira Sharabidinovna Begmatova , MOH Kyrgyzstan
12:00-13:00	Lunch break	
Plenary session 3: Oxygen scale-up topic deep dives		
13:00-13:50	<p>Part 1: Effective partnerships for development and implementation of oxygen scale-up activities</p> <p>Moderator to discuss partnerships across all levels, sectors, cadres (5 mins)</p> <p>Panel discussion (25 mins):</p> <ul style="list-style-type: none"> • Multistakeholder engagement: government, NGOs, donors, private sector • Multidisciplinary engagement: technical, clinical, administrative, logistics, architects, procurement • Collaborations in vulnerable or fragile contexts <p>Open floor: Q&A and participant sharing (20 mins)</p>	<p>Moderator: Dr Chizoba Fashanu, CHAI</p> <p>Panellists:</p> <ul style="list-style-type: none"> - Robert Matiru, Unitaaid/GO₂AL (<i>virtual</i>) - Dr Nicholas Adjabu, MOH Ghana - Maurine Murenga, Community Delegation to The Global Fund (<i>virtual</i>) - Dr Nahreen H Ahmed, MedGlobal - Dr Elvis Temfack, Africa CDC (<i>virtual</i>) - Dr Muhammad Mudassar, MOH Pakistan
13:50-14:40	<p>Part 2: Costing and sustainable financing of oxygen ecosystems</p> <p>Moderator to provide overview of financing framework, what is required for oxygen scale up costing and sustainable financing for assurance of system continuity (5 mins)</p> <p>Panel discussion (25 mins):</p> <ul style="list-style-type: none"> • Financial planning (costing resources and activities, prioritization, e.g. UHC, Pandemic Fund) • Budget cycles/timing, decision-makers • Integration into broader health system financing, including financing mechanisms (insurance schemes, innovative cost recovery modalities) • Gaps in financing for continued operations for safe, quality sustainable outputs <p>Open floor: Q&A and participant sharing (20 mins)</p>	<p>Moderator: Dr Gwenaël Dhaene, WHO</p> <p>Panellists:</p> <ul style="list-style-type: none"> - Dr David Lowrance, The Global Fund (<i>virtual</i>) - Scott Pendergast, WHO (<i>virtual</i>) - Ankara Alejandra Reichle Collier, MOH Honduras - Dr Rose Lavado, WHO (<i>virtual</i>)
14:40-15:00	Coffee and tea break	
15:00-16:00	<p>Part 3: Importance of the workforce for oxygen ecosystems and roadmap development</p> <p>Moderator to underscore need for multidisciplinary human resources for health systems, at all levels, to advocate for, plan, implement, use and sustain medical oxygen systems (5 mins)</p> <p>Panellists to showcase persistent needs and challenges (35 mins):</p> <ul style="list-style-type: none"> • Training and education (in-service, pre-service), expanding and supporting diverse occupational groups (clinical, technical, administrative, logistics, architects, procurement) 	<p>Moderator: Dr John Appiah, WHO</p> <p>Panellists:</p> <ul style="list-style-type: none"> - Tazeen Saeed Bukhari, International Federation for Medical and Biological Engineering - Dr Gilbert Shetak, MOH Nigeria - Dr Dora Lenturut-Katal, NDOH Papua New Guinea - Prof. Mervyn Mer, Trainer C19_SPACE

	<ul style="list-style-type: none"> • Facility organizational structure, delineating all roles (highlighting skills mix), identification of persistent shortages • Labour markets (dynamics; need, demand and shortages, recruitment and retention) <p>Open floor: Q&A and participant sharing (20 mins)</p>	
Plenary session 2: National Oxygen Scale-Up template		
16:00-16:05	<p>Foundational requirements of oxygen scale up</p> <p>Open floor: Q&A and participant sharing (5 mins)</p>	Presenter: Adriana Velazquez Berumen , WHO
16:05-16:20	<p>Overview of existing oxygen roadmaps, results from scoping review (15 mins)</p> <p>Open floor: Q&A and participant sharing (5 mins)</p>	Presenter: Anne Moller , Partners In Health
16:20-16:30	<p>Overview zero draft of the National Oxygen Scale-up template (30 mins)</p> <ul style="list-style-type: none"> • What is meant by “template” • How it was developed • Template contents • Intended users, how it can be used 	Presenter: Jessica Cook , Partners In Health
Plenary session 4: Template polling – Introduction		
16:30-16:50	<p>Introduction to the Delphi methodology:</p> <ul style="list-style-type: none"> • How we will apply the process to the National Oxygen Scale-Up template zero draft • Demonstration of polling feature (to take place at the end of Day 2) 	<p>Dr Jamie Rylance, WHO</p> <p>Anne Moller, Partners In Health</p>
16:50-17:00	Day 1 wrap-up, looking to Day 2 and closing remarks	Dr Marta Lado , Partners In Health

Time	Topic	Speakers
Day 2 Summary <i>Continuing topic deep dives and refining the zero draft of the National Oxygen Scale-Up template in breakout sessions</i>		
Day 2 objectives: <ul style="list-style-type: none"> Elevate country voices to ensure representation in National Oxygen Scale-Up template Facilitate sharing of successes, challenges and lessons between countries Move towards agreement for key components of an oxygen roadmap template 		
Day 2 Opening session		
8:45-9:00	Brief welcome and overview of Day 2 agenda	Alfonso Rosales , WHO PAHO
Plenary session 5: Oxygen scale-up topic deep dives		
9:00-10:00	Part 4: Finding the need-gap: assessment and quantification for oxygen scale-up Moderator to provide overview and summary of unmet needs within the oxygen ecosystem, including recognition that these needs will constantly evolve (5 mins) Panellists to discuss their experiences of assessing and meeting needs (35 mins): <ul style="list-style-type: none"> Examples of challenges faced How they have prioritized unmet needs Tools that have assisted in improving performance Pandemic and surge preparedness Open floor: Q&A and participant sharing (20 mins)	Moderator: Lisa Smith , PATH Panellists: <ul style="list-style-type: none"> Martha Gabriela Chiguano Curicho, MOH Ecuador Dr Beverly Bradley, UNICEF Vusumuzi Sibusiso Dlamini, MOH Eswatini Dr Chiori Kodama, WHO Regional Office for the Eastern Mediterranean Dr Varun Manhas, One Health Trust
10:00-11:00	Part 5: Measuring impact and outcomes for timely action toward evidence-informed decision-making along the oxygen ecosystem Moderator to provide an overview of the challenges of acquiring, analysing and utilizing data to measure outcomes for the safe, effective treatment of patients, for quality-assured oxygen systems, and for global investments and governance Panellists to discuss the importance of evidence-informed decision-making and the application of relevant and appropriate data systems and timely analysis of indicators for evaluation within the oxygen ecosystem (35 mins): <ul style="list-style-type: none"> The use of data for evidence-informed decision-making regarding policy and governance at all levels of the health system Using data to illustrate improved outcomes and identify gaps for advocacy Measuring patient-centred clinical care outcomes Ongoing monitoring and evaluation of operational activities for: <ul style="list-style-type: none"> Accountability and learning regarding implementation and utilization 	Moderator: Carina King , Karolinska Institutet Panellists: <ul style="list-style-type: none"> Dr Janet Diaz, WHO Dr Erasto Sylvanus Odindo, MOH United Republic of Tanzania Dr Jean-Paul de Bruyne Mushenvula, ALIMA Dr Freddy Kitutu, Lancet Global Health Commission on medical oxygen security, ATMO2S scorecard Dr Jeanine Condo, University of Rwanda

	<ul style="list-style-type: none"> - Ensuring safe, optimal performance of oxygen system equipment - Improving national coverage through decentralization of services <p>Open floor: Q&A and participant sharing (20 mins)</p>	
11:00-11:30	Coffee and tea break, poster showcase	
11:30-12:30	Breakout sessions: hour-long sessions on 7 themes – participants to choose 4	Lead facilitators (co-facilitator & session support):
12:30-13:30	Facilitators using various modalities facilitate smaller groups	1. Lisa Smith (Florestan Boualame & Mostafa Othman)
Lunch	1. Oxygen ecosystem quantification, including surge scenarios	2. Jim Stunkel (Dmytro Osin & Gaby Jimenez, Noelia Solares Muralles, Ankara Alejandra Reichle Collier)
13:30-14:30	2. Technical aspects of oxygen systems: source, storage, distribution, operations, maintenance, associated infrastructure	3. Dr Gwenaël Dhaene (Dr Immaculee Mukankubito & Jessica Cook)
14:30-14:45	3. Financing and sustainable investment in oxygen ecosystems	4. Dr John Appiah (Alfonso Rosales & Dr Jerry-Jonas Mbasha)
Transition	4. Workforce and competencies needed for sustained oxygen ecosystems	5. Dr Carina King (Dr Steven McGloughlin & Dr Marta Lado)
14:45-15:45	5. Measuring impact and outcomes of oxygen ecosystems	6. Laura Alejandra Velez Ruiz Gaitan (Dr Jinho Shin & Samriddha Rana)
15:45-16:00	6. Policy, regulations and guidelines for safe, quality-assured oxygen systems	7. Inutu Kanyama (Dr Jamie Rylance & Anne Moller)
Tea/ Transition	7. Partnerships and engagement for oxygen scale up	
16:00-17:00		
17:00-17:10	Break	
Plenary session 6: Template polling – Round 1		
17:10-17:25	Electronic voting on National Oxygen Scale-Up template revised draft	Jessica Cook , Partners In Health
17:25-17:30	Brief closing remarks	Alfonso Rosales , WHO PAHO
19:00-	Formal meeting reception	Dr Janet Diaz , WHO

Time	Topic	Speakers
Day 3 Summary <i>Refine zero draft of the National Oxygen Scale-Up template and identify next steps</i>		
Day 3 objectives: <ul style="list-style-type: none"> Discuss key takeaways from breakout sessions Identify and revise essential components of an oxygen roadmap template Conclude meeting with the next steps identified and shared 		
Day 3 Opening session		
9:00-9:10	Brief welcome and overview of Day 3 agenda	Samriddha Rana , WHO Regional Office for South-East Asia
9:10-9:30	Overview of consensus on the National Oxygen Scale-Up template zero draft	Jessica Cook , Partners In Health Laura Alejandra Velez Ruiz Gaitan , WHO
Plenary session 7: Breakout sharing		
9:30-10:30	Part 1: Debriefing discussion on breakout sessions Content, additional proposed changes to the National Oxygen Scale-Up template zero draft, and/or remaining gaps/areas of uncertainty <ol style="list-style-type: none"> Oxygen ecosystem quantification, including surge scenarios Technical aspects of oxygen systems: source, storage, distribution, operations, maintenance, associated infrastructure Financing and sustainable investment in oxygen ecosystems 	Moderator: Dr Steven McGloughlin , WHO Panellists, facilitators of breakout sessions 1–3: <ol style="list-style-type: none"> Lisa Smith, PATH Jim Stunkel, Assist International & Gaby Jimenez Moyao, UNOPS Dr Gwenael Dhaene, WHO
10:30-11:00	Coffee and tea break, poster showcase	
11:00-12:00	Part 2: Debriefing discussion on breakout sessions <ol style="list-style-type: none"> Workforce and competencies needed for sustained oxygen ecosystems Measuring impact and outcomes of oxygen ecosystems Policy, regulations and guidelines for safe, quality-assured oxygen systems Partnerships and engagement for oxygen scale-up 	Moderator: Constance McDonough-Thayer , WHO Panellists, facilitators of breakout sessions 4–7: <ol style="list-style-type: none"> Dr John Appiah, WHO Dr Carina King, Karolinska Institutet Laura Alejandra Velez Ruiz Gaitan, WHO Inutu Kanyama, PATH
12:00-13:00	Lunch	
Plenary session 8: Cross-cutting aspects of oxygen ecosystems		
13:00-14:15	Alignment and integration of oxygen scale-up activities Moderator to provide overview of health system priorities, programmes and reliance on multisectoral engagement, all of which must be integrated for successful, sustainable oxygen scale up (5 mins)	Moderator: Dr Leah Greenspan , USAID Panellists: <ul style="list-style-type: none"> Priorities

	<p>Panel to consider horizontal integration of oxygen systems (50 mins):</p> <ul style="list-style-type: none"> • <u>Health system priorities</u> (One Health, Sustainable Development Goals, universal health coverage, health systems for health security framework, National Action Plans for Health Security and Joint External Evaluations, safe hospitals, emergency preparedness, response, resilience, etc.) • <u>Existing health system programmes</u> (emergency, critical and operative care; noncommunicable diseases; maternal and child health; tuberculosis; newborn health; etc.) • <u>Multisectoral engagement</u> (infrastructure for health systems, utilities [electricity, water], transportation, logistics) <p>Open floor: Q&A and participant sharing (20 mins)</p>	<ul style="list-style-type: none"> ○ Dr Rajesh Sreedharan, WHO (<i>virtual</i>) and Dr Nirmal Kandel, WHO (<i>virtual</i>) ○ Dr Dennis Marke, MOH Sierra Leone ○ Prof. Didier Mukeba Tshialala, MSF <p>- Programmes</p> <ul style="list-style-type: none"> ○ Dr Sura Wisedsak, MOH Thailand ○ Prof. Adegoke Falade, University of Ibadan, Nigeria <p>- Multisectoral engagement</p> <ul style="list-style-type: none"> ○ Philip Maina Gatongi, UNOPS ○ Dmytro Osin, WHO
Plenary session 9: Template polling – Round 2		
14:15-14:30	Electronic voting on revised National Oxygen Scale-Up template	Anne Moller , Partners In Health Laura Alejandra Velez Ruiz Gaitan , WHO
14:30-15:00	Coffee and tea break and poster showcase highlights	
15:00-15:15	GO ₂ AL showcase	Robert Matiru , Unitaid/GO ₂ AL(<i>virtual</i>)
15:15-16:15	<p>Next steps for oxygen scale up</p> <ul style="list-style-type: none"> • Interactive session: motivations, aspirations, needs • Open forum to share visions, ideas, goals <p>Revisiting foundational requirements: bringing it all together</p>	<p>Dr Jamie Rylance, WHO</p> <p>Adriana Velazquez Berumen, WHO</p>
Closing session		
16:15-16:30	Meeting wrap-up, closing remarks and next steps	Dr Janet Diaz , WHO