ACT-A Tx Partnership

Oxygen Task Force update for Member State Brief

24 June 2021

#UnitedAgainstCoronavirus
#StrongerTogether | #GlobalResponse
Objectives for today

- Recap the **overall objectives** for the Oxygen Task Force and outline continued urgency for action
- Give an overview of Technical Cooperation partner **coverage** to support submission of funding requests and implementation of products
- Share an update on **Oxygen financing** and current supply situation
- Present progress on **market-shaping activities**, inc. signature of MOUs with liquid Oxygen gas suppliers
- Outline **next steps for the Oxygen TF**
- Answer **open questions**
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Oxygen Task Force set up in Feb '21 around four primary workstreams to accelerate support

Pivot to ensure full focus on maximizing impact of C19RM

Needs assessment/TC partner support

Assessment of country-level Oxygen situations, quantification of unmet needs and activation of TC support

Funding

Allocation of funds to finance interventions that address identified Oxygen needs

Market-shaping / Supply

Market-shaping interventions for Oxygen products and delivery of supplies to countries

Advocacy

Communications push to ensure prioritization of Oxygen as urgent and lasting priority

Key achievements over past weeks and months

- Quick TF pivot towards supporting the fastest access to Oxygen funds through GF C19RM 2.0 process
- TC partners identified and funded for 48 countries to facilitate C19RM submissions and local implementation
- >US$ 210m C19RM funds mobilized to procure, distribute and operationalize Oxygen products
- MOUs signed with Air Liquide and Linde to set up master agreements and widen access to liquid Oxygen

Note: List of ACT-A partners supporting Oxygen Task Force not exhaustive
3rd COVID-19 wave in Africa …

... leading to new surge demand for Oxygen throughout African continent

**South Africa, President Ramaphosa, 13 June 2021**

We need to address the substantial financing gap for tests, treatments, critical supplies like oxygen and the health systems that enable testing, treatment and vaccination.

**Uganda, President Museveni, 19 June 2021**

With the estimated COVID-19 patient increase in the coming weeks, the daily oxygen consumption will rise to 25,000 cylinders per day in one month, unless we change the course. This is nearly a ninefold increase in the overall national oxygen requirement.

**Zambia, Dr Malama, Ministry of Health, 17 June 2021**

The oxygen demand has gone up from having 32 patients on oxygen a month ago, to now having 701 patients on oxygen, countrywide, with the majority requiring high flow of oxygen.

Note: Oxygen crisis not only centered around Africa, acute needs also in various other geographies
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Technical Cooperation support via partners for C19RM proposals and implementation active in multiple countries

**CHAI**
- Cambodia
- Cameroon
- DRC
- Ethiopia
- Ecuador
- Ghana
- Guatemala
- India
- Kenya
- Malawi
- Myanmar
- Senegal
- Tanzania
- Viet Nam
- Uganda
- Zambia

**PATH**
- Burkina Faso
- DRC
- India
- Kenya
- Malawi
- Myanmar
- Senegal
- Tanzania
- Viet Nam
- Uganda
- Zambia

**Assist International**
- Ethiopia
- Uganda

**PIH**
- Haiti
- Kazakhstan
- Lesotho
- Liberia
- Malawi
- Peru
- Russia
- Sierra Leone

**UNICEF**
- Burkina Faso
- India
- Madagascar
- Malawi
- Mongolia
- Nigeria
- Paraguay
- Senegal
- Sierra Leone
- Somalia
- Tanzania
- Togo
- Zambia

**WHO/PAHO**
- Benin
- Chad
- Eswatini
- Guinea Bassau
- Bolivia
- Honduras
- Paraguay
- Sierra Leone

Existing country engagement and * newly mobilized funds to support C19RM proposal and implementation phase
Add. WHO support for countries witnessing surge Oxygen demand

A warm-line concept is under development to help answer countries' technical questions concerning C19RM proposals.

WHO ESFT available to forecast need for essential supplies, including oxygen quantification based on current case forecast.

Country level coordination with key stakeholders encouraged, to optimize existing O2 capacity and management of O2 resources coupled with other vital public health interventions to stem transmissions.

Countries encouraged to reach out if urgent support needed - towards WHO and UNICEF CO, RO and HQ.
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Outline **next steps for the Oxygen TF**.

Answer **open questions**.
Diverse sources for financing mobilized

- **The Global Fund**: C19RM 2021 (fast-track & full funding)
- **UNICEF**: ACT-A Supplies Financing Facility
- **World Health Organization**: Biomedical Procurement
- **The World Bank**: Multiphase programmatic approach (MPA)
- **Unitaid**: Catalytic funding
Overview of C19RM-eligible investments

C19RM continues to fund the following areas:

- **COVID-19 Response**
- **COVID-19 related adaption of programs to fight HIV, tuberculosis & malaria**
- **Strengthening health and community systems**
- **Cross-cutting Community Responses**

Applicants are encouraged to **include oxygen in their future C19RM funding requests** to rapidly scale-up oxygen provision and treat severe COVID-19 cases.

**C19RM will not support procurement of vaccines**, nor be primarily focused on vaccine deployment.

* CCMs strongly encouraged to **use primary vaccine funding sources**, GAVI-COVAX and World Bank MPA.

Source: Global Fund
Total of US$ 666m C19RM requests reviewed so far, of which US$ 213m (32%) are Oxygen-related

C19RM requests approved by country/multi-country recipient (in million US$, as of June 19th, 2021)

Legend: fast-track funding requests  full funding requests

Source: Global Fund
Excluding India, Oxygen-related C19RM requests still account for almost a quarter of total funding requests.

C19RM requests approved by country/multi-country recipient (in million US$, as of June 19th, 2021)

Including India:
- Oxygen-related C19RM requests: 213 (32%)
- Other C19RM requests: 453 (68%)

Excluding India:
- Oxygen-related C19RM requests: 138 (23%)
- Other C19RM requests: 453 (77%)

Source: Global Fund
**US$ 138M Oxygen requests** to date excluding India's locally procured requests. Supply situation tightens for select product classes.

Total value requested by product class

N= 37 reviewed C19RM Oxygen requests by June 19th, 2021, of which 27 include Oxygen

Source: Global Fund
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**Reminder:** Diverse mechanisms of delivering Oxygen to patients in hospitals with different supply bottlenecks

- **PSA plant**
  - Output: 2,000-200,000 l/h
  - Connected to hospital piping system

- **Cryogenic LOX plant**
  - Output: 50,000-100,000,000 l/h
  - LOX cylinder filling and distribution

- **Concentrator**
  - Output: 60-600 l/h
  - Concentrator directly linked to patient bed

**Different supply bottlenecks depending on mechanism**

1. **Conversion to gas and piping to patient beds**
2. **Cylinders**
3. **Large liquid tanks** (later conversion to gas)
4. **Piping & tube delivery to patient beds**

**Key considerations for sustainable Oxygen investments infrastructure**

- **Strong technical assistance required** to support build up, operationalization, and maintenance of Oxygen infrastructure

- **Combination of upfront investments and recurring operating cost** to be considered financial planning of potential interventions

Expected service time: 1. PSA plant = 10 years; 2. Cryogenic LOX plant = 30 years; 3. Concentrator = 5 years
Working groups set up to improve access to medical Oxygen via market-shaping interventions

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<tr>
<th>Liquid Oxygen scale-up</th>
<th>PSA plant repairs</th>
<th>Supply constraints incl. equipment and parts</th>
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<td><strong>UNICEF, Unitaid</strong></td>
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**WHO as technical lead across groups**

Legend: * if not yet confirmed ^USAID technical contributor across LOX and Supply Constraints groups
Outreach made to global liquid Oxygen suppliers to widen access to medical Oxygen in low- and middle-income countries via supply agreements.

MOUs signed with Air Liquide and Linde covering key engagement criteria and high-level framework for future supply agreements.
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Next steps

- Widen **TC partner support** to cover all countries in need
- Continue swiftly reviewing **C19RM requests**
- Unlock Oxygen **procurement bottlenecks** and support country-level distribution
- Conclude **liquid Oxygen supply agreements**
- Continue **market-shaping efforts** to unlock bottlenecks
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Please feel free to ask questions