



Working Group on African Activity

Medical Grade Oxygen System in Africa in Fighting
COVID-19
Challenges and Recommendations

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Background



- What is the need to discuss about Ventilators when there is no/short supply of Medical Grade Oxygen- for COVID-19 ?
- Africa in in High Crisis due to COVID - 19- According to WHO less than 2000 Ventilators across 41 countries in Africa - With Shortage of Medical Grade Oxygen Supply
- Having Shortage in Medical Grade Oxygen is a **double edge problem**



Major Challenges



• Supply

- Lack of Funding
- Lack of Policies (Nigeria and Ethiopia have National Oxygen policy roadmap)
- Very Long and interrupted supply chain system

• Operation

- Lack of Capacity and Resources to manage (Personnel, material...)
- Problem with Administering Medical Oxygen (With SOP)
- Issues with Measuring the purity level of Medical Oxygen

• Maintenance

- Lack of Tools and Trained personnel,
- Lack of Spare parts,
- Calibration of devices (important with the amount of medical oxygen administration)



Recommendations



• Supply

- Strengthening Financial Capacity (Local and International Funding , The use of REVOLVING FUND)
- Special Supply system (DIRECT purchase , FRAME WORK Contract) of Medical Grade Oxygen with Cylinders, Oxygen Concentrators
- Large scale Oxygen production as a policy- Long Term - Using Revolving Fund

• Operation

- Intensive training - Online about SOP, How to administer and Manage Medical Oxygen
- Followup and Continuous support

• Maintenance -

- Strengthening Inhouse Maintenance
- Online Training and support from Vendors
- Availing spare parts asap
- increasing the National Capacity to develop easy spare parts e.g for Oxygen gauges and some fittings with humidifiers,
- Confirmation of Medical Grade Oxygen after maintenance

- Stay Safe
- Thank you for your Attention.