Delivery of high-quality oxygen therapy has long been a challenge in Liberia, with access to oxygen impeded by gaps that span the health system. These issues have been further amplified by the COVID-19 pandemic.

As of 2020, the Liberia Ministry of Health, with support from Clinton Health Access Initiative (CHAI) and other partners, carried out multiple initiatives to improve reliable supply of oxygen, including:

- Conducted a **nationwide assessment** in 53 facilities to better understand the capacity of health facilities to deliver oxygen therapy:
  - The assessment revealed significant gaps in availability of oxygen equipment and supplies as well as inadequate human resources for health, indicating an urgent need to implement solutions to increase access to medical oxygen.

- Established an **Oxygen Technical Working Group** to share knowledge and coordinate efforts.

- Developed a **National Roadmap to Increase Access to Medical Oxygen in Liberia**, which outlines prioritized and costed interventions to increase access to medical oxygen and is intended to support the Ministry of Health and partners to coordinate implementation and resource mobilization.

- Currently developing a **national medical oxygen policy and national clinical management guidelines for hypoxemia and oxygen therapy**.

- Conducted a **national oxygen demand quantification and gap analysis** to inform resource allocation for oxygen.
  - With support from Unitaid and CHAI, **procured**:
    - 18 oxygen analyzers
    - 100 oxygen concentrators
    - 458 pulse oximeters
    - 280 patient monitors
    - 226 cylinders with accessories
    - 100 resuscitators
    - 5,400 oxygen delivery consumables

- Developed an emergency national in-service oxygen training package to improve oxygen care during the pandemic, which has been used to train **144 clinicians working across 43 COVID-19 treatment facilities**.

- Conducted refresher trainings—with ongoing routine mentoring—for all **19 county biomedical engineering technicians** on maintenance and repair of oxygen analyzers, concentrators, cylinders, and pulse oximeters.

With increased availability of oxygen equipment and more trained health workers, health facilities across the country are better prepared to deliver oxygen as a lifesaving treatment.