OxyCare Uganda
Saving Lives

Annual Report 2025

OxyCare Uganda

Saving lives with accessible medical oxygen in remote areas

www.oxycareug.org | info@oxycareug.org

Message from the Executive Director

As we reflect on 2025, I am encouraged by the progress OxyCare Uganda has made in strengthening access to essential medical oxygen and advancing biomedical engineering capacity across underserved communities. This year, we focused on expanding oxygen access through targeted support to health facilities, ensuring the functionality, safety, and reliability of oxygen systems, and responding to critical equipment needs in a timely and sustainable manner.

In 2025 alone, we successfully reached and supported 20 hospitals, improving their capacity to deliver life-saving oxygen therapy. This milestone reflects the dedication of our team and the growing trust from the communities and health facilities we serve.

We also continued to invest in hands-on training and mentorship for biomedical engineers and technicians, equipping them with practical skills to manage, maintain, and troubleshoot essential medical equipment.

Our approach remains rooted in sustainability—building local capacity to ensure long-term impact.

Despite this progress, the demand for oxygen access continues to grow, especially in remote and underserved areas. Fundraising remains critical to sustaining and expanding our work. As we look ahead to 2026, our vision is to reach even more hospitals and strengthen healthcare systems through scalable, locally driven solutions.

I extend my sincere gratitude to our partners, supporters, and team members for their unwavering commitment to this mission.

Solomon Piwun
Executive Director, OxyCare Uganda
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Executive Summary

In 2025, OxyCare Uganda strengthened access to life-saving medical oxygen across Uganda by expanding maintenance, repair, and biomedical capacity-building services. Building on 2024 achievements, we deepened our impact through strengthened hospital partnerships, large-scale equipment assessments, and sustained technical interventions.

Across supported facilities, over 50% of oxygen concentrators were found to be non-functional or underperforming due to weak maintenance systems and limited technical capacity. Through targeted interventions, OxyCare restored critical equipment, improved oxygen reliability, and strengthened local capacity, enabling thousands more patients to access safe and effective oxygen therapy.

Despite this progress, significant gaps remain. In 2026, OxyCare Uganda aims to expand its reach to more hospitals, with fundraising as a critical priority to scale impact and ensure equitable oxygen access nationwide.

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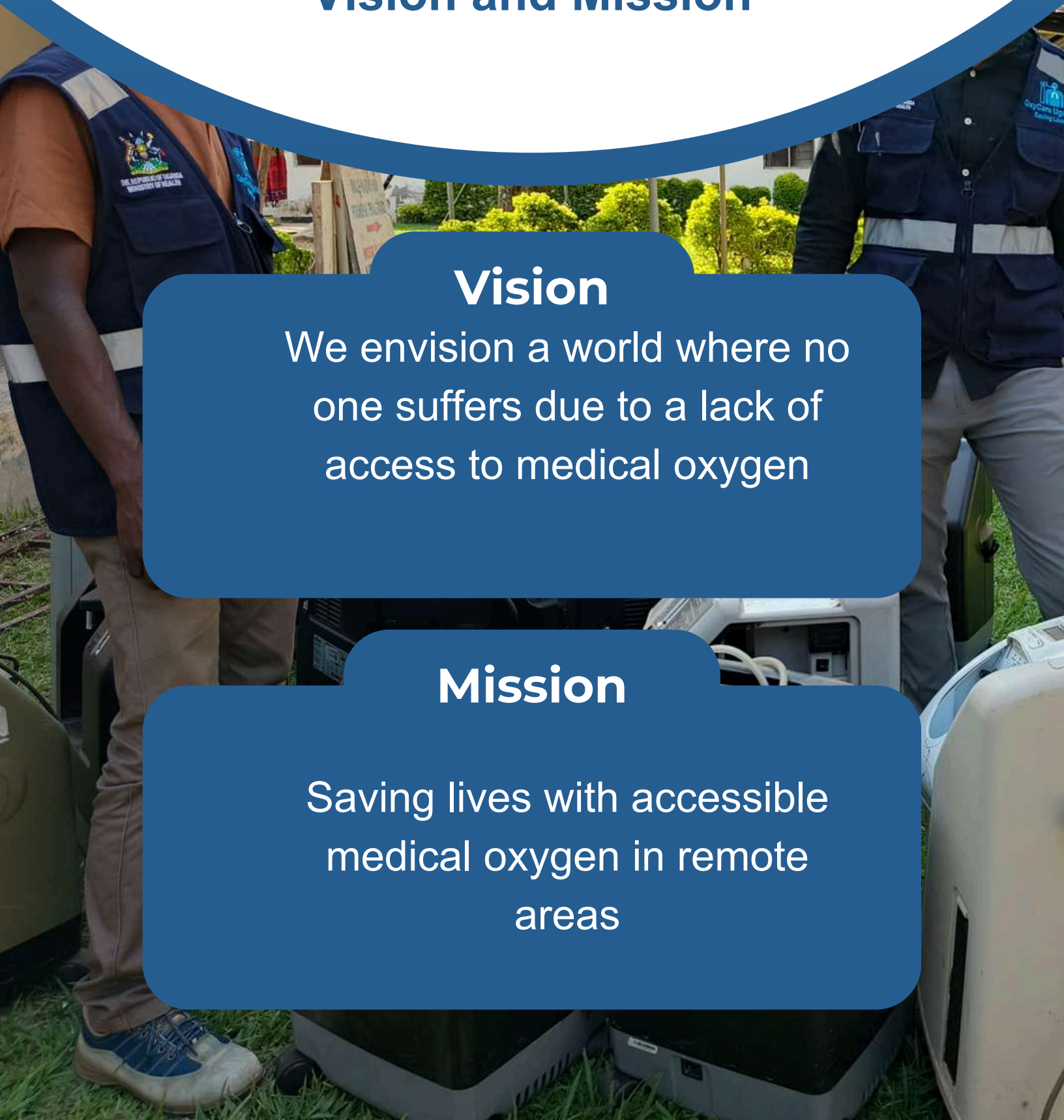
Vision and Mission



Vision

We envision a world where no one suffers due to a lack of access to medical oxygen

Mission

Saving lives with accessible medical oxygen in remote areas

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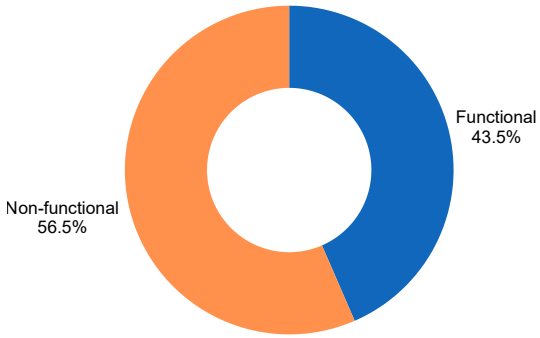
The Problem

Access to medical oxygen is vital for emergency and routine patient care. In Uganda, especially in remote and rural areas, consistent access to oxygen therapy remains a challenge. Despite significant investments in oxygen delivery systems before, during, and after the COVID-19 pandemic, many devices—particularly oxygen concentrators—have encountered substantial issues due to poor maintenance, limited training, and a lack of accessible biomedical engineering services.



Oxygen concentrator functionality

Remote health facilities face several challenges related to oxygen supply systems.

- Lack of routine maintenance
- Weak biomedical infrastructure
- Frequent power blackout and load shading
- Long distances to cylinder refilling stations (300+ km)

- More than half of assessed oxygen concentrators were not functioning optimally in some facilities.

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Our Approach

Oxygen as a Service (OaaS)

With initial support from D-Prize, OxyCare Uganda began operations in Uganda to assess, maintain, and repair oxygen concentrators and other biomedical equipment.

As part of our mission to save lives with accessible medical oxygen in remote areas, our team visits or is invited to hospitals in Uganda, during which we;

1. Conduct a comprehensive functionality assessment of oxygen concentrators and other biomedical equipment within the health facility.
2. Conduct routine maintenance and repair of oxygen concentrators and other biomedical equipment.
3. Recruit, train, and deploy biomedical technicians to support remote health facilities.
4. Engage health facilities and discuss alternative and optimal oxygen systems, such as solar-powered oxygen generation plants (O2 Cubes) for oxygen generation in remote areas.

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2025 Key Achievements

- 20 hospitals supported
- 55+ biomedical technicians trained
- 250+ maintenance and repair sessions conducted
- 5,000+ patients reached

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Facilities Reached

OxyCare Uganda uses geographic positioning systems (GPS) to map all supported health facilities and capture critical data to support timely decision-making. This includes the total number of beds, the number of oxygen concentrators and cylinders, and the number currently functional. **Figure 1** shows the location of Kiwoko Hospital (recently expanded), along with other health facilities where OxyCare Uganda operates. We operate mainly in the West Nile region, where access to medical oxygen is extremely limited, and we support both government, private, and private-not-for-profit facilities.

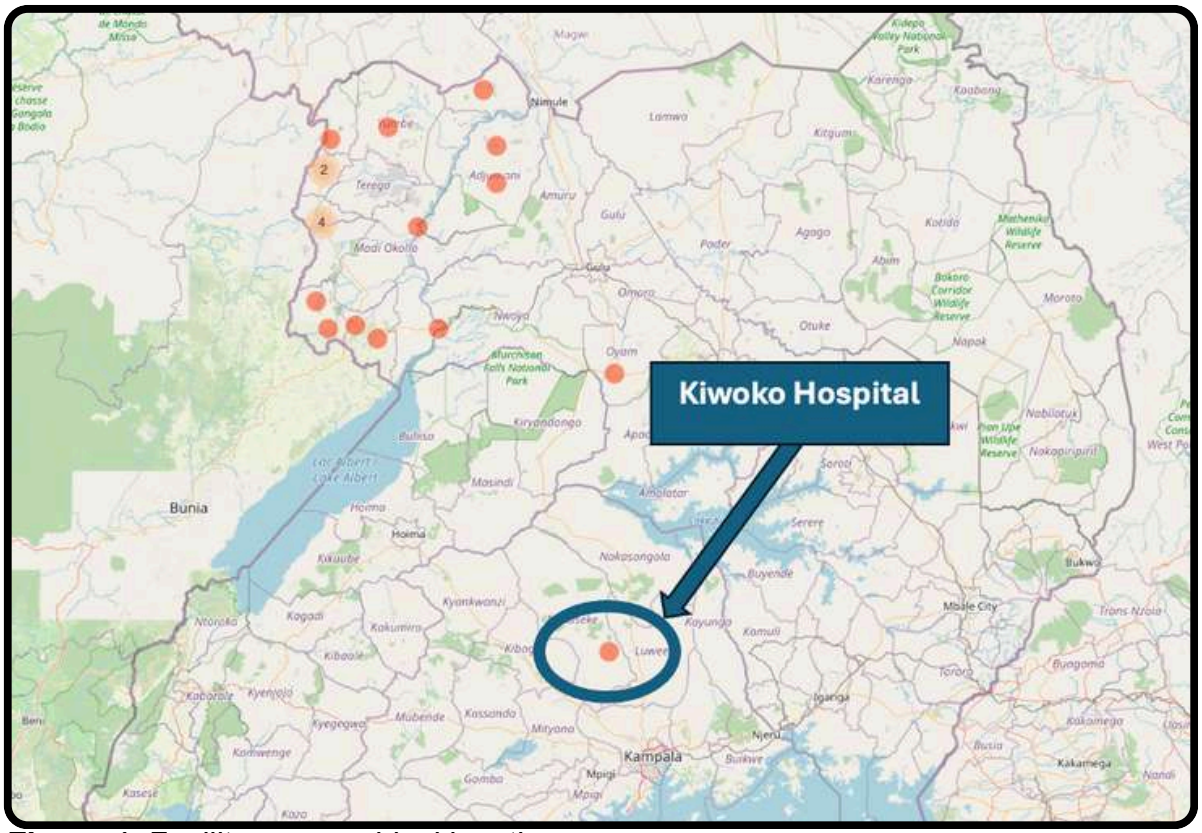

Figure 1. *Facility geographical location*

Hospitals ranged from Regional Referral Hospitals to HC IV facilities, ensuring broad system impact.

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Equipment Impact

Before

- Low oxygen purity (<82%)
- Non-equipment equipment
- Poor performance

After

- The majority restored to the WHO standard (≥82%)
- Improved reliability
- Increased patient safety

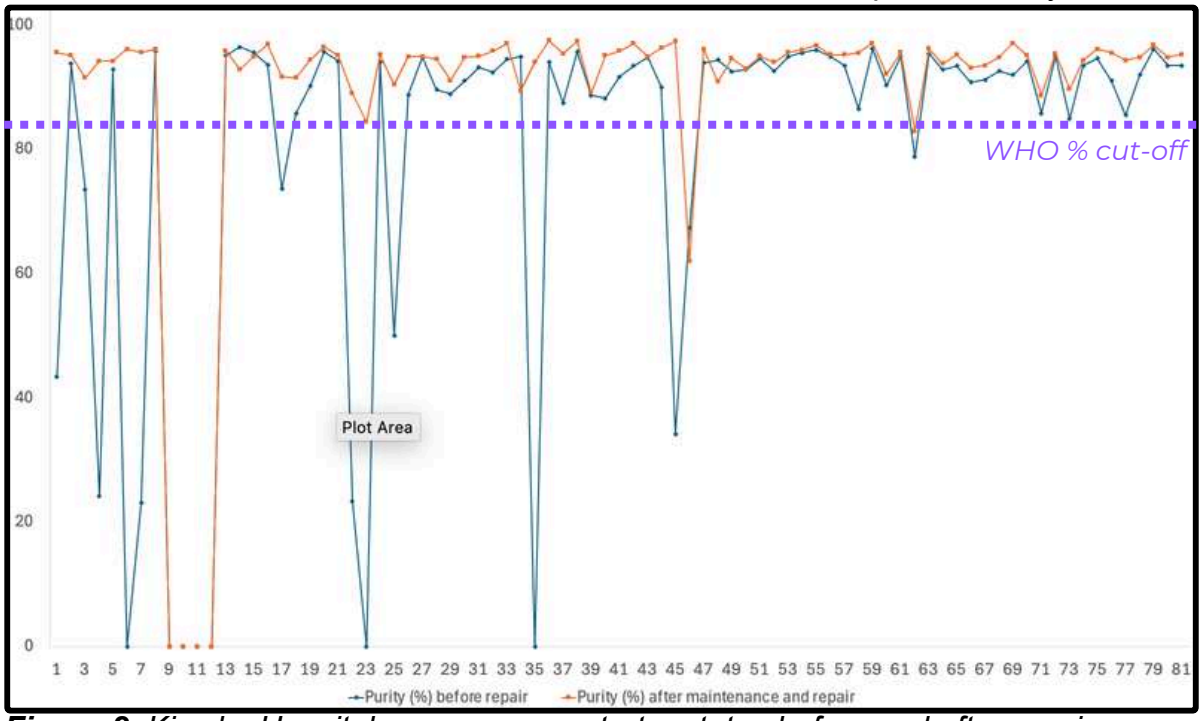

Figure 2. *Kiwoko Hospital oxygen concentrator status before and after repair*

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Training & Capacity Building

- Nationwide biomedical training conducted
- Hands-on practical sessions
- Collaboration with the Ministry of Health and national universities

Building on a strong foundation of collaboration, our nationwide biomedical training initiative ensures that healthcare professionals across the country gain essential, up-to-date skills. By combining theoretical knowledge with intensive hands-on practical sessions, participants are equipped to confidently apply new techniques in real-world settings. This effort is further strengthened through close partnership with the Ministry of Health and national universities, creating a sustainable ecosystem that aligns training with national health priorities and fosters long-term capacity building at every level of the healthcare system.

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Conferences and Stakeholder Engagement Meetings

- **Investment Case for Oxygen as a Service Workshop (Jinja, Uganda):** In partnership with the Ministry of Health, Oxycare participated in a pivotal workshop in Jinja to develop a robust investment case for the "Oxygen as a Service" model in Uganda. This engagement secured high-level stakeholder alignment on sustainable financing mechanisms, paving the way for scalable public-private partnerships in medical oxygen delivery.

- **14th AMEK Healthcare Engineering Conference & Exhibition (Kenya):** Oxycare participated in the Association of Medical Engineering Kenya (AMEK) conference, showcasing our expertise in biomedical equipment management. This presence strengthened our cross-border partnerships and highlighted our commitment to supporting engineering capacity building for critical medical gas infrastructure in the region.

- **Uganda Private Sector Oxygen Ecosystem Mapping Workshop (Oxygen Colab 2025):** In collaboration with Oxygen Colab, Oxycare contributed to a comprehensive ecosystem mapping workshop aimed at identifying gaps and opportunities within Uganda's private sector oxygen landscape. This achievement underscored our role as a key facilitator in coordinating stakeholders to improve last-mile access and supply chain resilience.

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Lessons Learned

- Preventive maintenance is critical
- Local capacity ensures sustainability
- Data systems must improve
- Trust drives partnerships
- Solar systems could dramatically improve medical oxygen access in remote areas

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2026 Strategic Priorities

SERVICES — Expand our services to include other oxygen-related products (Solar-powered PSAs, regular PSAs, wall oxygen, & medical supplies and spare parts)

TRAINING — Recruit, train, and deploy biomedical technicians, including facility-based staff

REPAIR — Continue routine assessment, maintenance and repairs of oxygen-related equipment

REACH — Expand to other healthcare facilities within the West Nile region and other regions of Uganda

PHEP — Develop OxiMap, a GIS-based Early Warning System to track, monitor, and display the status of oxygen-related equipment, for decision making and public health emergency preparedness

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Partner & Collaborators

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THE REPUBLIC OF UGANDA
MINISTRY OF HEALTH

D-PRIZE
DISTRIBUTION EQUALS DEVELOPMENT

KIWOKO HOSPITAL
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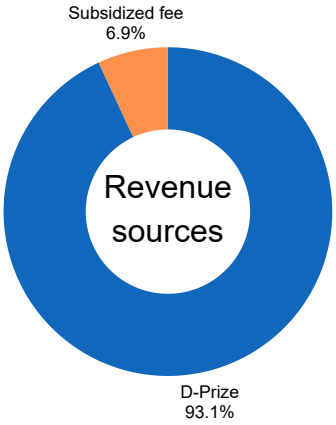
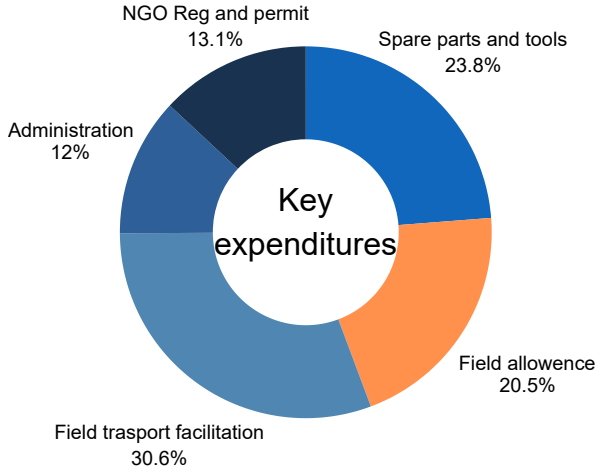
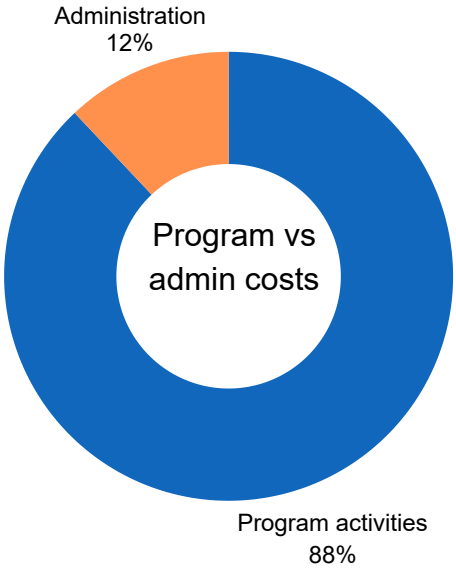
Financial Summary







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Thank You

OxyCare Uganda continues to transform oxygen access in remote communities. Through innovation, partnerships, and local capacity building, we are saving lives and strengthening health systems

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