



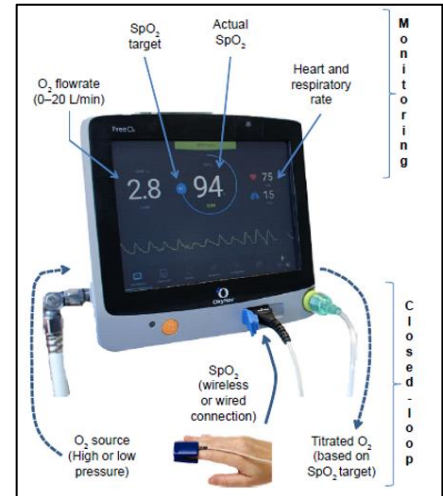
## FreeO2 (10 devices @ \$13,500 each)

**Requesting a total contribution of \$155,290.50**

Oxygen levels are currently being manually adjusted by respiratory therapists and nurses. FreeO2, a Canadian innovation approved by Health Canada in 2021, **was first implemented at Lakeshore General Hospital in November 2023 as a cohort study.**

### **Key Benefits of FreeO2:**

- Increased time within prescribed oxygen targets
- Reduced episodes of desaturation
- Decreased risk of over-oxygenation
- Shorter hospital stays
- Fewer interventions required by staff

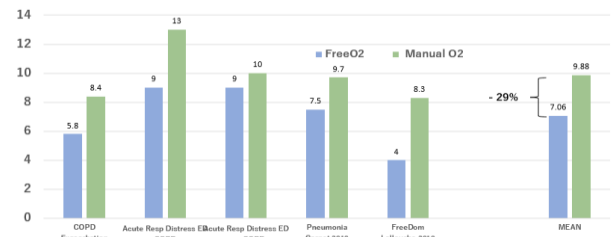


### **Results of the pilot project**

**For patients,** this automated oxygen management system ensures more consistent delivery within prescribed oxygen targets, reducing the risks of both desaturation and over-oxygenation. This contributes to improved clinical outcomes, faster recovery, and shorter hospital stays.

**For healthcare providers,** FreeO2 reduces the need for manual adjustments, easing the workload for respiratory therapists and nurses while enhancing efficiency and consistency in care. At an institutional level, the technology supports cost savings through decreased interventions and hospital stays, while positioning Lakeshore General Hospital as a leader in adopting innovative, evidence-based solutions to enhance patient care.

### **Shorter Length of Stay (in Days) – literature review**



### **Less Interventions for the staff – iucpg review**

Interventions	COVID		NON-COVID		Total	
	FreeO <sub>2</sub>	Control	FreeO <sub>2</sub>	Control	FreeO <sub>2</sub>	Control
	52	69	20	31	72	100

**The implementation of FreeO2 at Lakeshore General Hospital brings significant benefits for patients, healthcare providers, and the institution as a whole.**

\*\*\* On average there are about 40 patients receiving oxygen at the Lakeshore.