



Promoting sustainable care in hospitals: clinical pharmacists leading eco-design awareness in paramedical daily practice

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Eco design
of care



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Background :

Healthcare is responsible for 8% of France's carbon emissions. Eco-design aims to deliver high-quality, safe, and effective healthcare while minimizing environmental impact. Although interest among healthcare professionals is growing, training resources remain scarce.

Aim :

This project aims to develop interprofessional training to raise awareness of eco-design in healthcare and eco-prescription, with a focus on medication use and pharmacist's expertise, and to identify and address healthcare professionals' needs and obstacles.

Method :

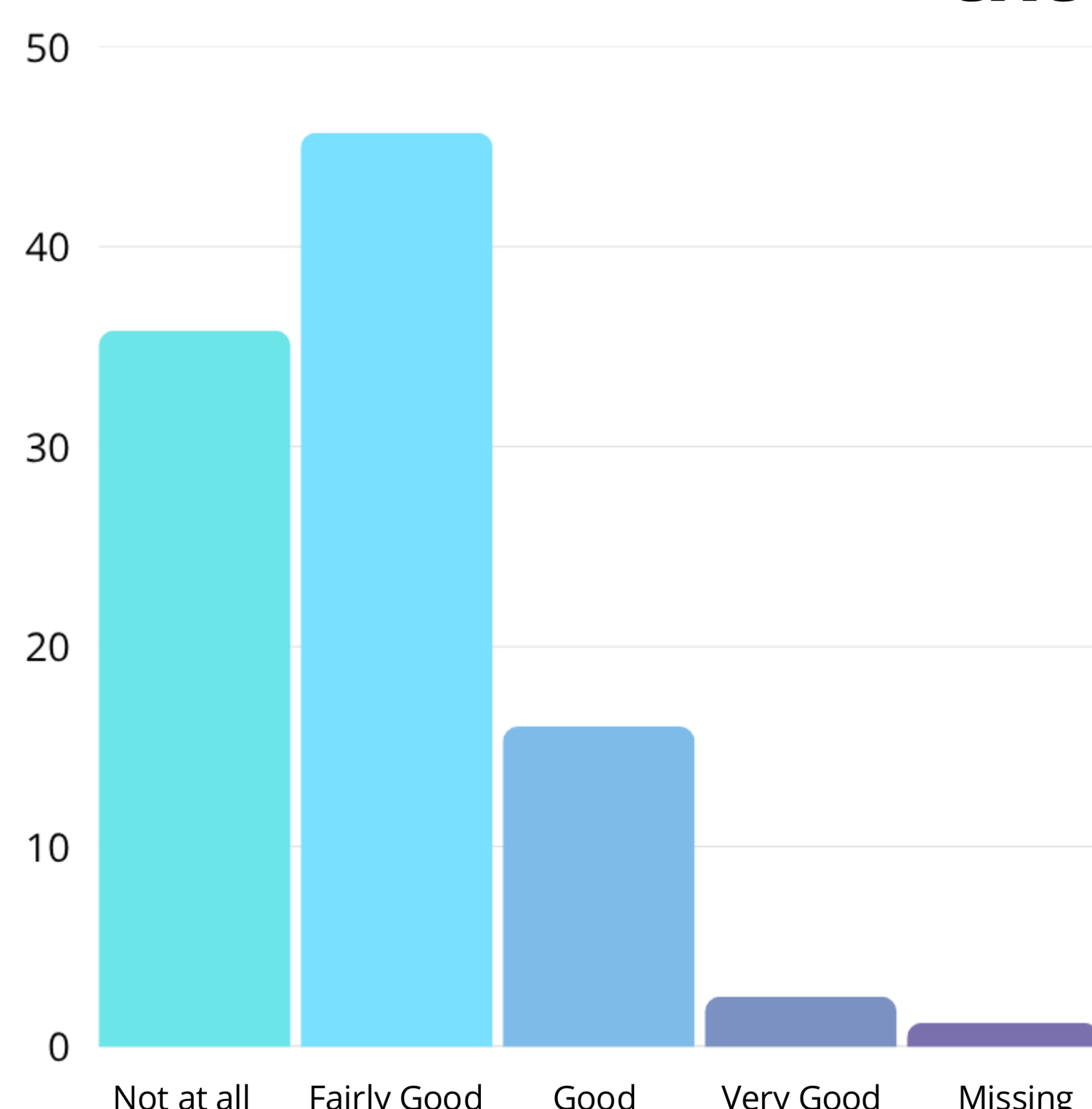
Who ? 16 **clinical pharmacy residents**, fully integrated into 14 care units, working on-site alongside the healthcare teams.

What ? A **ready-to-use toolkit**: session guide, participant questionnaire (profiles, knowledge, actions, barriers, needs), references, and videos. Topics include **drug supply, waste management**, and the environmental impact of **administration routes**.

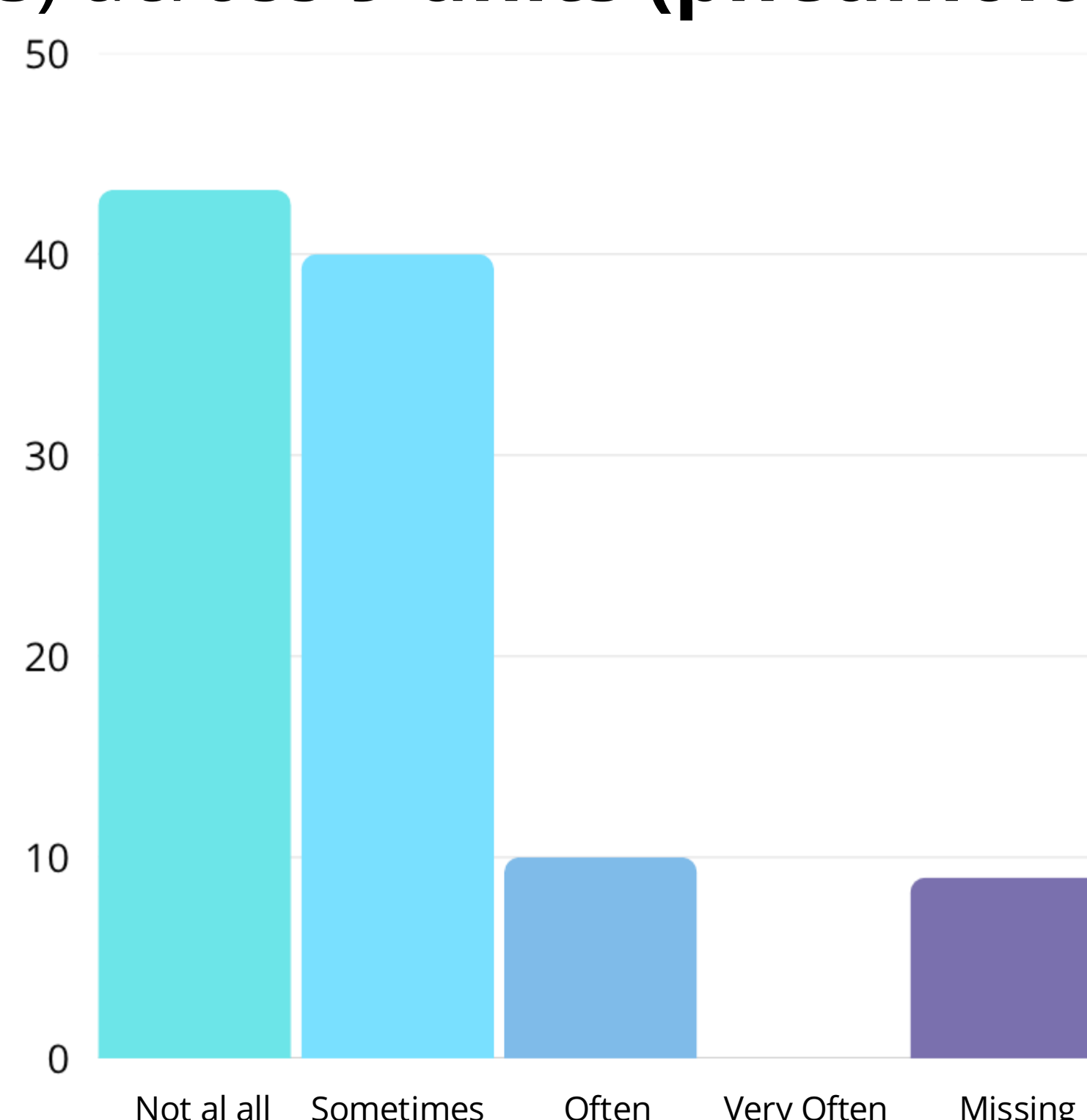
To Whom ? To **paramedical staff**, including nurses, care assistants, health executives and any other interested personnel.

How ? Leveraging their direct presence within the units, they were trained to deliver 15-minute **interactive sessions**

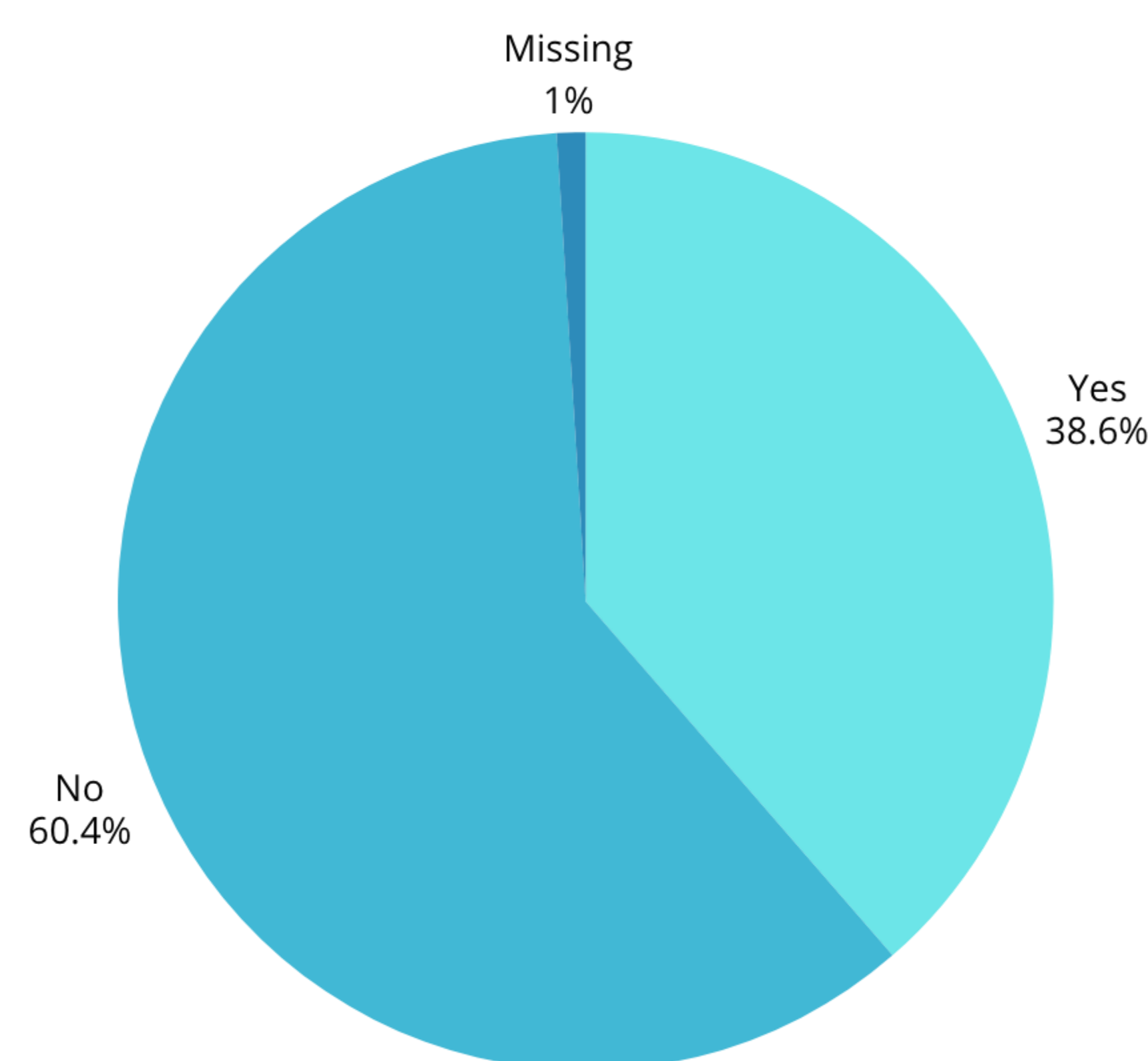
Results: From February to April 2025, **82 participants** (58.5% **nurses**, 24.4% **nursing assistants** and 4.9% **health executives**) across **9 units** (**pneumology, nephrology, haematology etc**) received training.



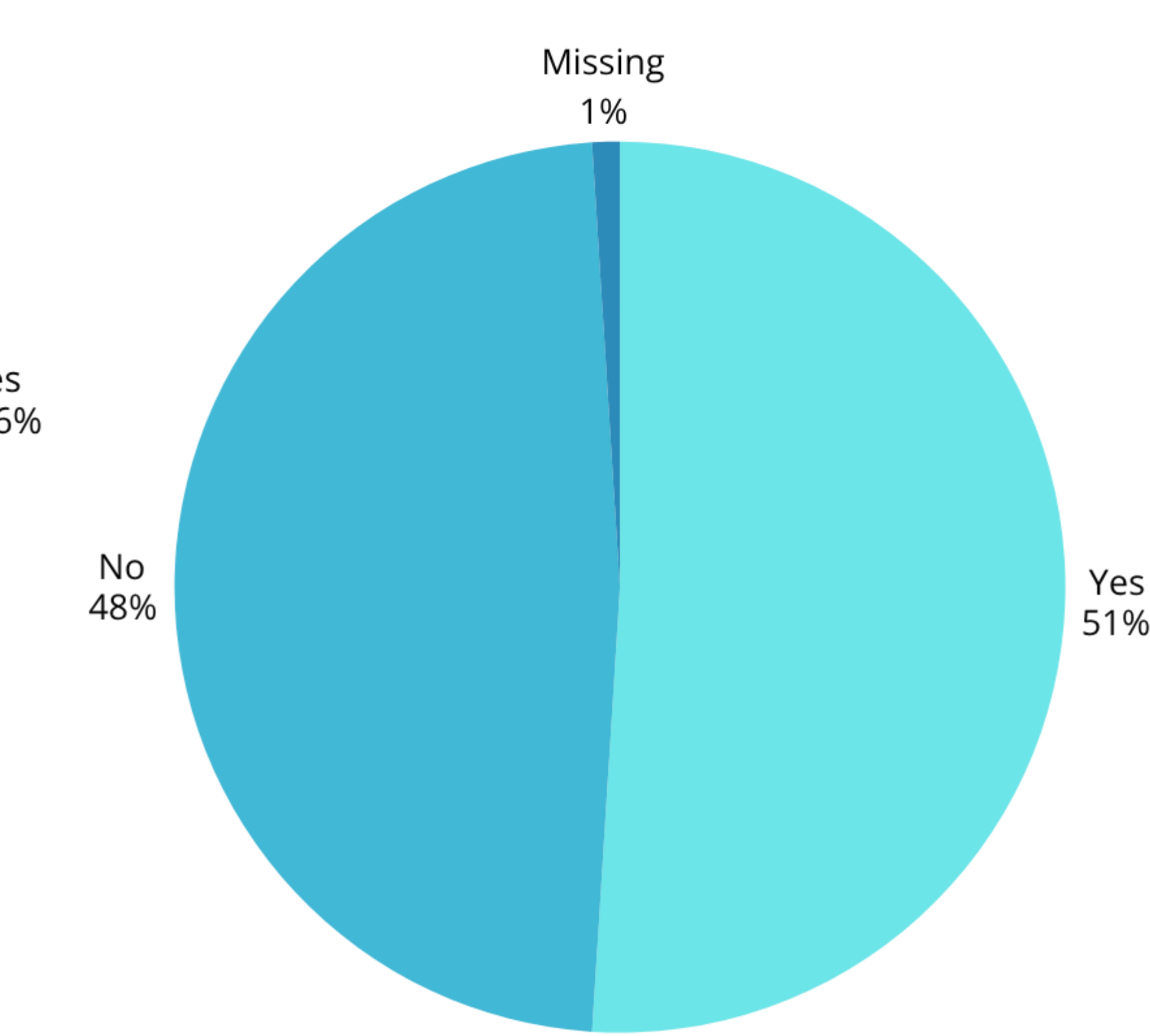
Do you feel you have a good understanding of the environmental issues related to healthcare?



Do you have access to resources or training on integrating ecological transition?



Have you ever heard about eco design of care ?



Have you already identified practices to reduce the environmental impact of the care provided in your department?

The most desired actions



Better waste sorting (56.6%)



More training (30.2%)



Promoting oral administration over the intravenous route (22.6%)

Key barriers



Lack of knowledge (52.5%)



Equipment / funding (25%)



Organizational constraints (25%)

Conclusion :

This study highlights the **limited knowledge** and access to information on ecological transition among paramedical staff, alongside a **strong willingness to act and change practices**. The **main barrier** identified was the **lack of knowledge**, and the **most desired action** was **improved waste sorting**. The positive feedback illustrates the **strong bond between clinical pharmacists and care units**. Scaling the program by involving pharmacy students and pharmacists appears feasible. This work is part of a broader initiative, including prescription reviews with medical teams.