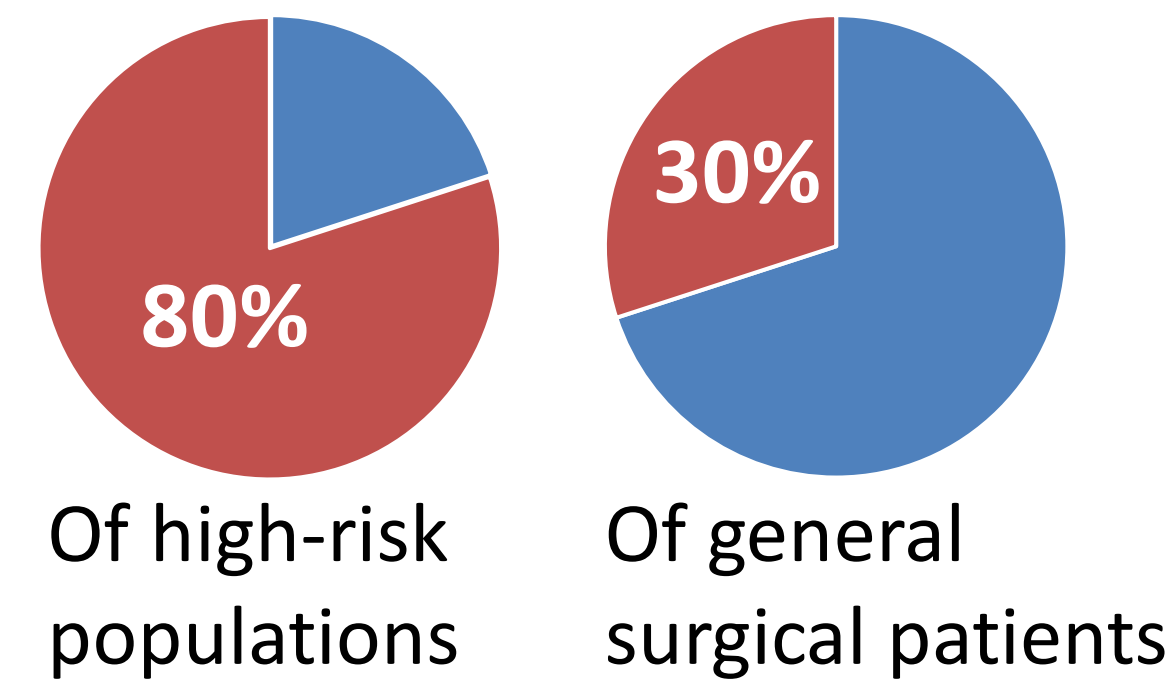


Background/Significance

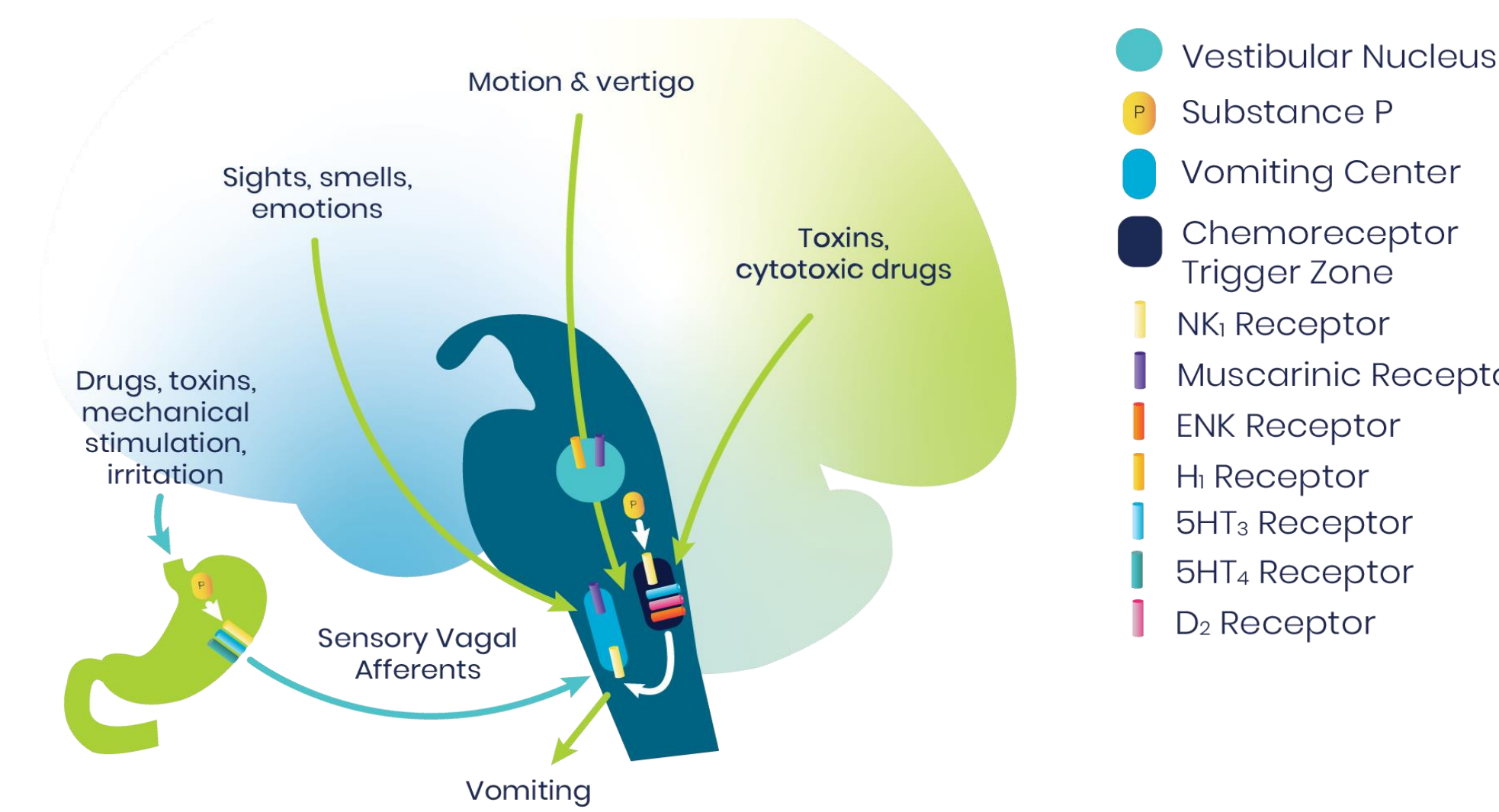
PONV is Still a Significant Burden to Patients and Hospitals

- TOP** Distressing experience associated with patient dissatisfaction
- 2ND** Most common adverse event in post-op
- MANY** Clinical complications: aspiration, hematoma, incisional hernia/suture dehiscence, dehydration, etc

Incidence of PONV

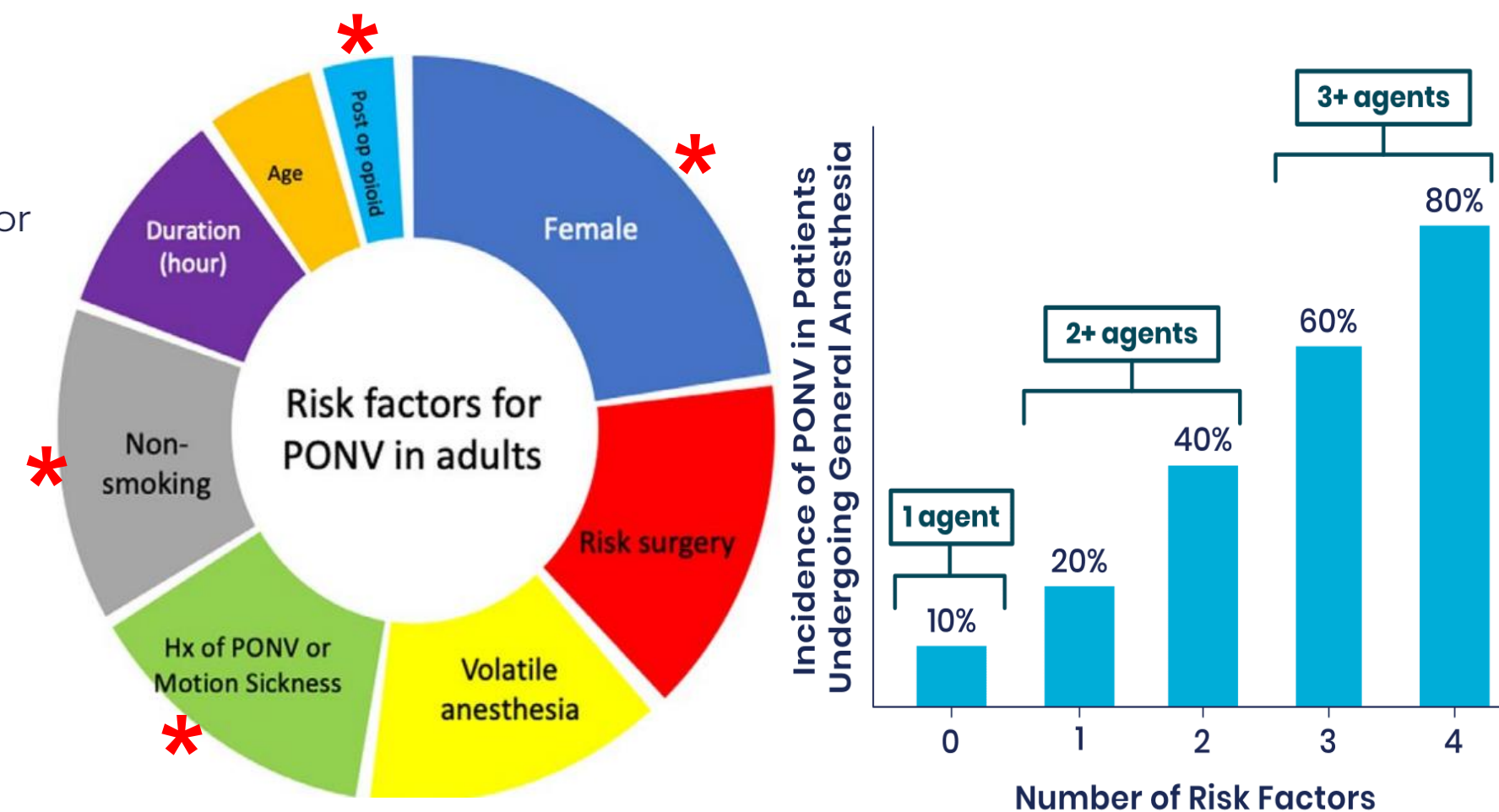


Complex Pathophysiology of PONV



- >4 Different neural pathways of PONV
- >10 Cellular receptors involved in PONV
- >20 Antiemetics available to manage PONV

Multifactorial Risk Factors of PONV



- ~10 Independent risk factors for PONV
- *4 Used in Apfel's simplified risk stratification tool

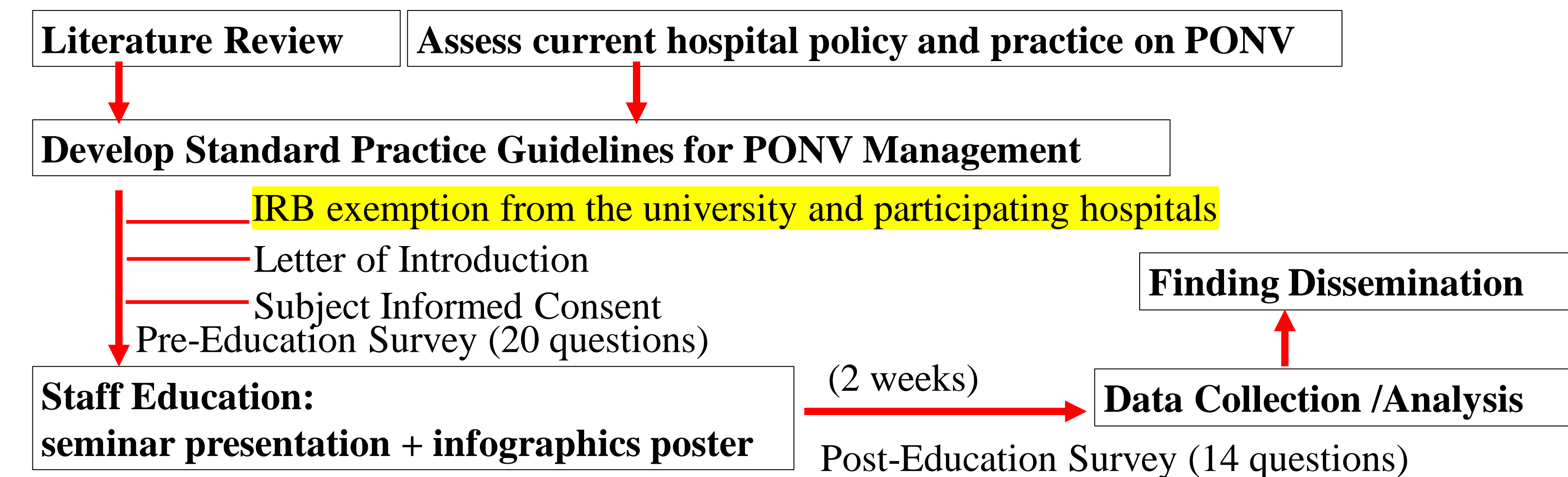
Problems

- PONV is a distressing and common complication in surgical patients after general anesthesia.
- PONV incidence remains high without proper prophylaxis.
- A consensus guideline for PONV prophylaxis is lacking at an institutional level.
- Compliance with the practice guidelines is poor in the clinical setting.

Purpose Statement

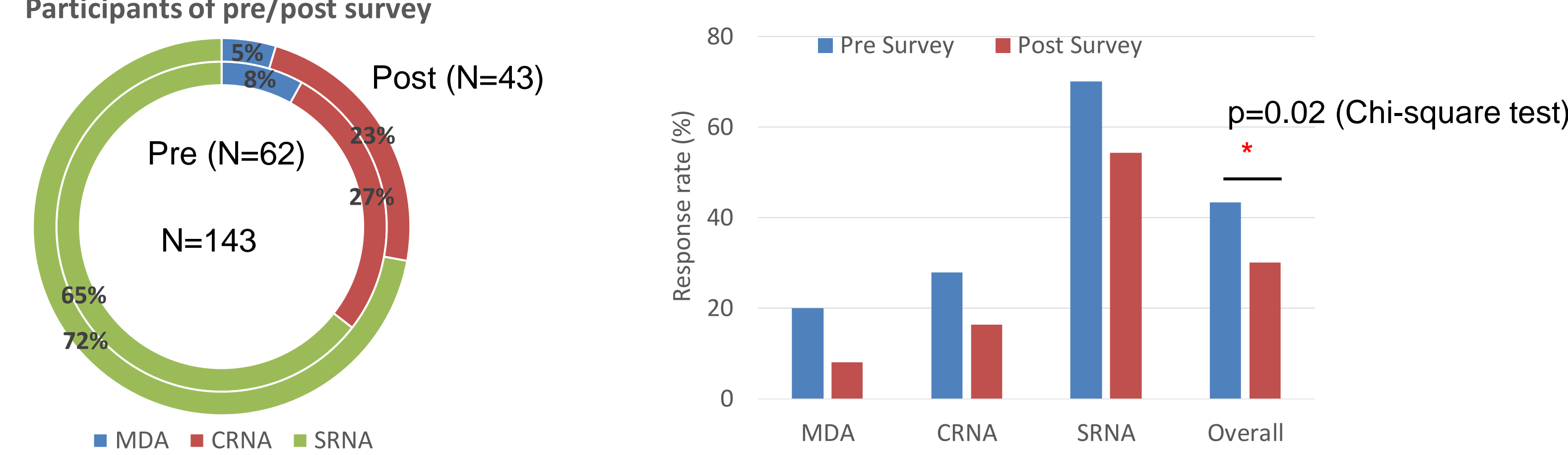
This project aims to locate the best evidence of PONV management, develop a standard PONV prophylaxis clinical guideline for anesthesia practitioners, and implement the consensus PONV prophylaxis clinical guideline at hospitals through staff education.

Project Methodology

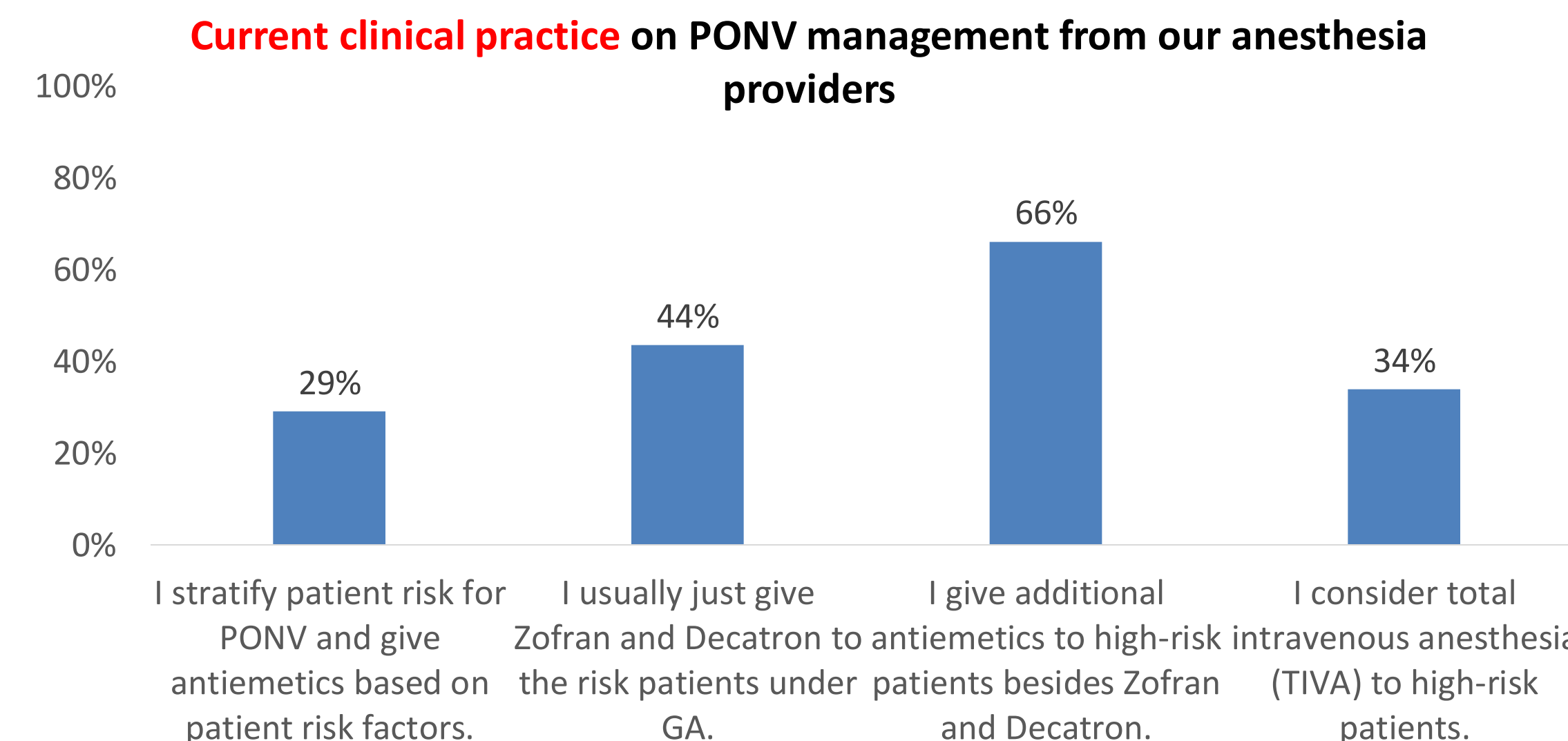
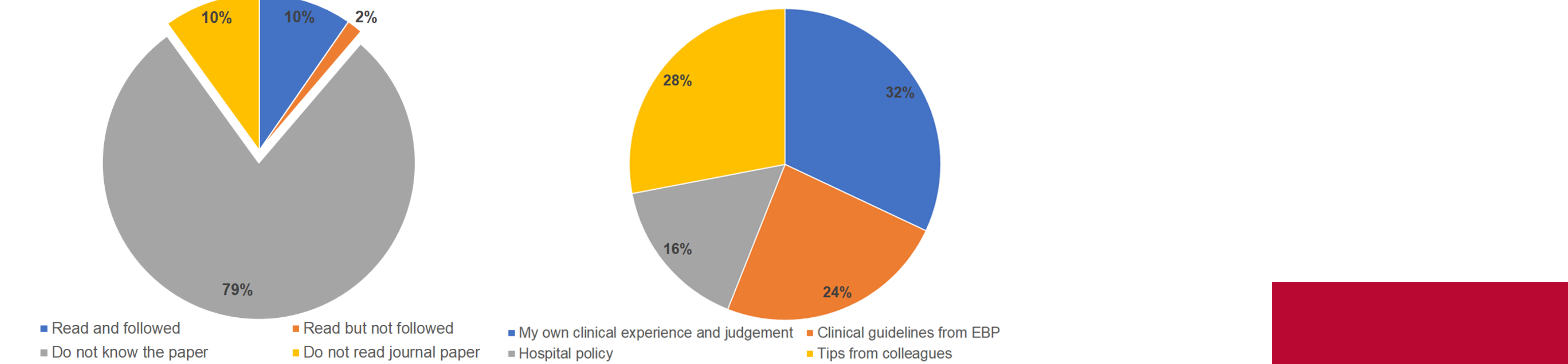
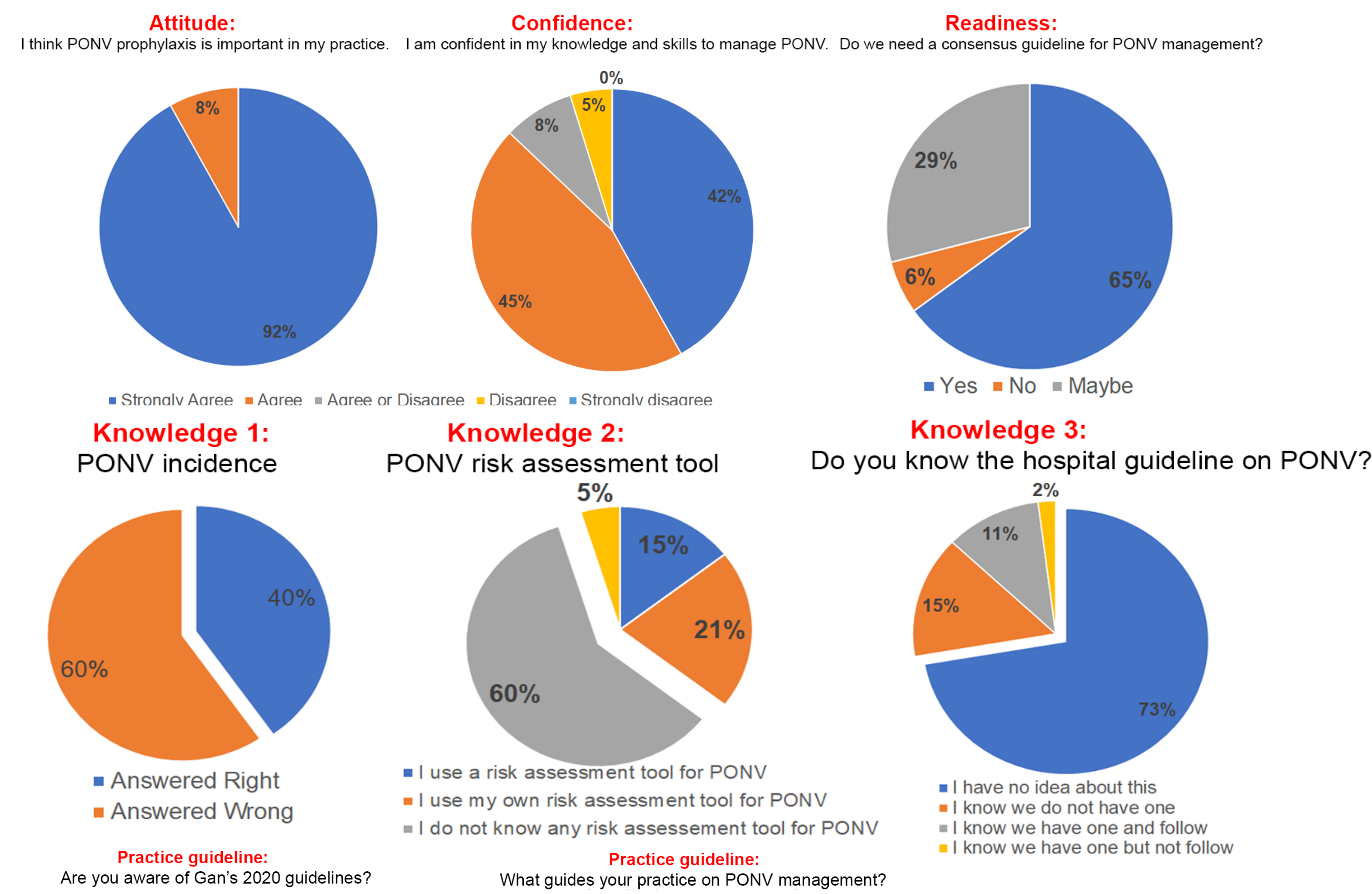


Results

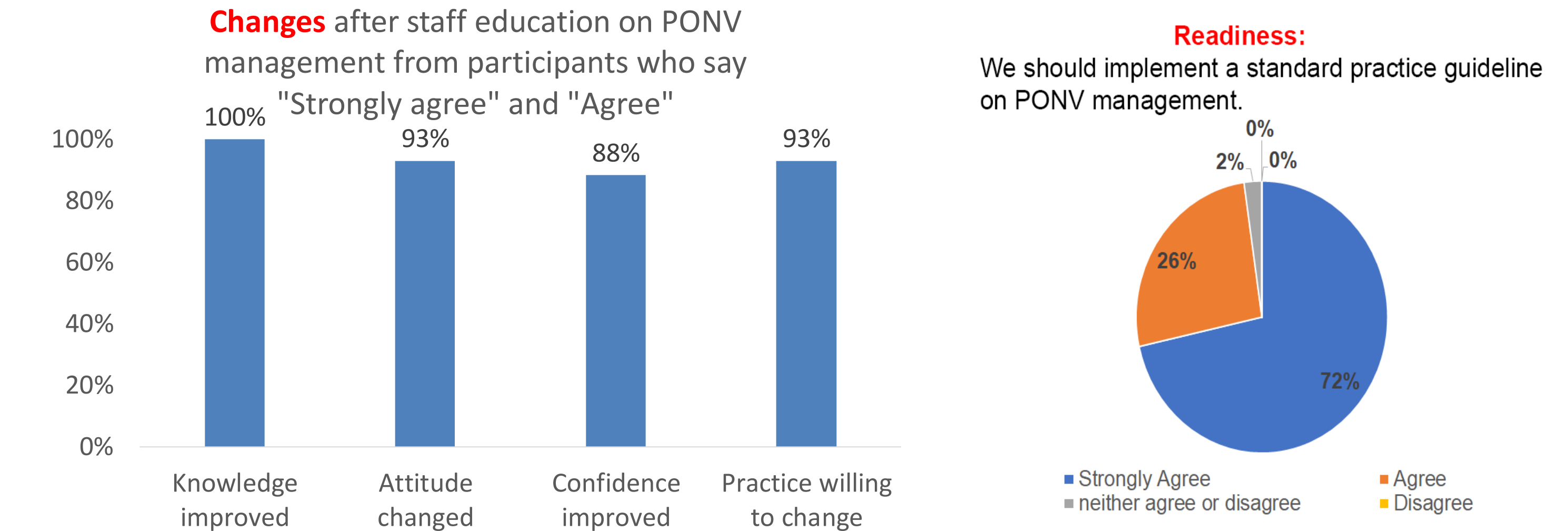
Basic Information of Surveys: Size and Response Rate



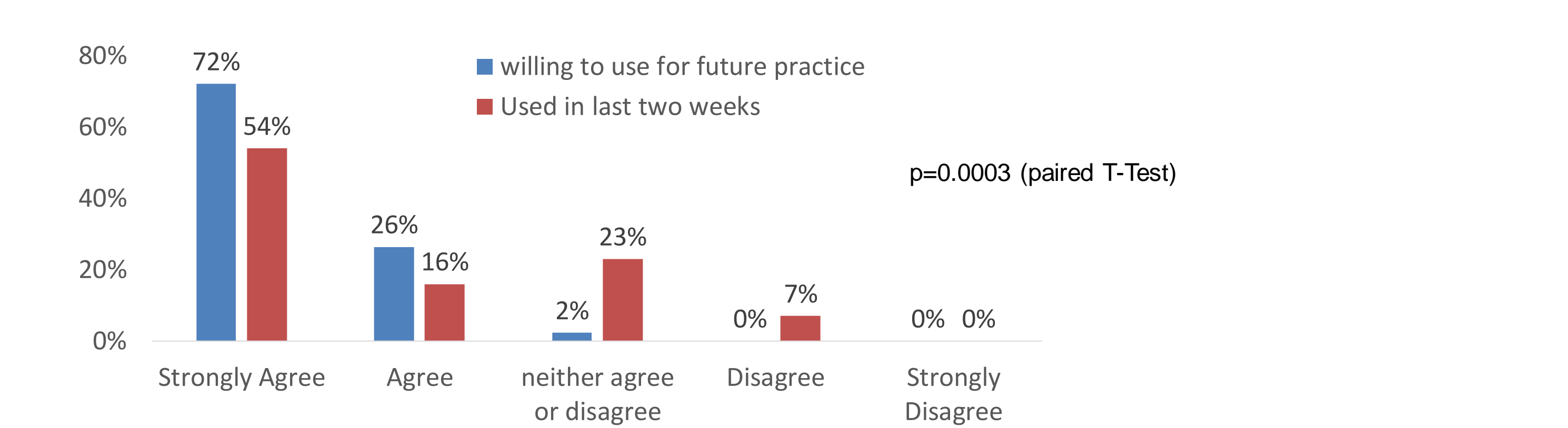
Pre-education Survey



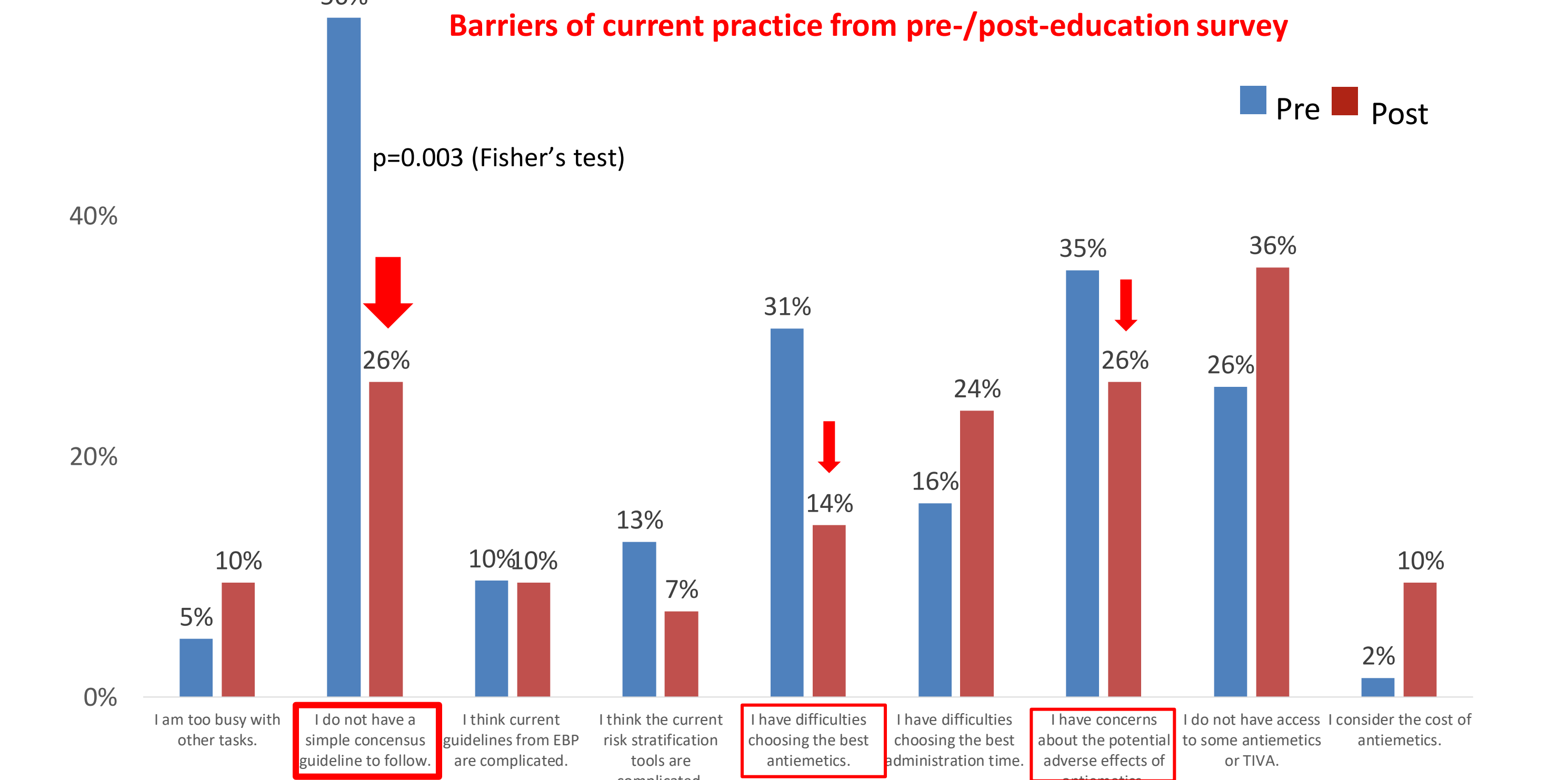
Post-education Survey



Change of practice after staff education on PONV management



Post- vs Pre-Education Survey



Conclusions/Highlights

- This study highlighted a lack of knowledge on PONV management and unawareness of guidelines in practice among anesthesia providers.
- This study revealed a need for a consensus practice guideline for PONV management and high readiness for such a guideline among anesthesia providers.
- This study identified potential barriers to implement such a guideline for PONV management.
- This study demonstrated that staff education greatly improved the providers' knowledge, attitude, confidence, and readiness levels and effectively reduced the barriers in clinical practice.

Implications for Practice

This study paved a solid foundation to implement a consensus practice guideline for PONV management in the clinical setting. (References available upon request)