



Canadian Anesthesia Research Priority Setting Partnership

How we decided the Top 10 priorities

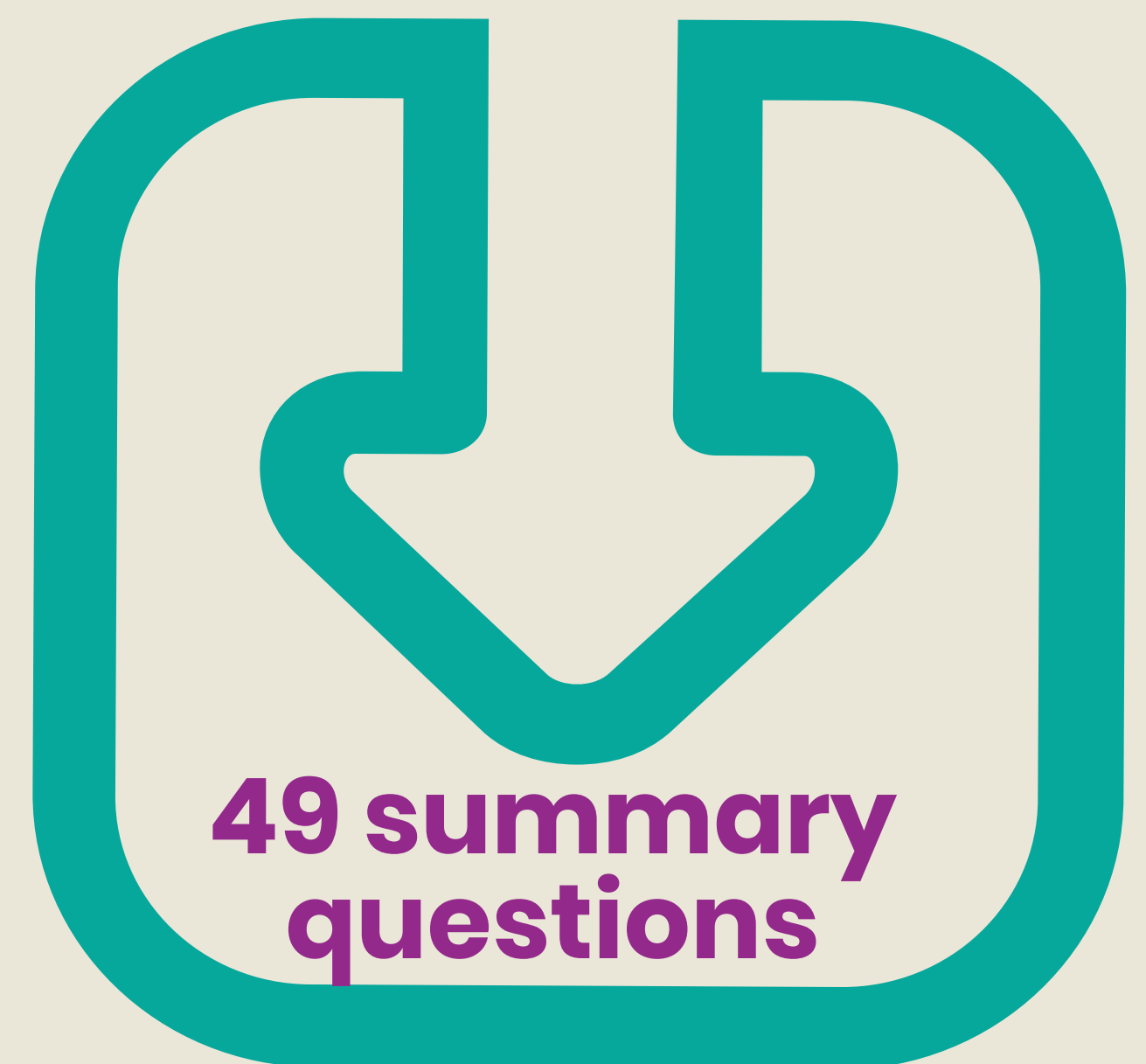
1. Gathering questions about anesthesia and care around the time of surgery

254 people from across Canada – patients, family, and caregivers, as well as health care providers – completed a survey asking for their questions about anesthesia and care around the time of surgery.



2. Working with the data

Questions were categorized, merged and summarized, then checked against existing research evidence.



3. Interim ranking

233 people from across Canada completed a second survey to shortlist the 49 questions.



4. Final priority setting

22 people from across Canada – patients, family, and caregivers, as well as health care providers – participated in a 1-day workshop to review and rank the shortlisted questions.

**Top 10
prioritized
list**

Contact: car-psp.ca
Updates: [@car_psp](https://twitter.com/car_psp)



**James
Lind
Alliance**

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Partenariat pour l'établissement des priorités pour
la recherche en anesthésie au Canada

the



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Top 10 priorities

- 1** Which factors before, during, and after receiving anesthesia for surgery are most important to improve patient outcomes and satisfaction?
- 2** What are the impacts of involving patients in shared decision making about anesthesia and care options before, during, and after surgery?
- 3** What data should be collected from patients about anesthesia care before, during, and after surgery to better understand their outcomes and experiences?
- 4** How can errors and patient injuries in anesthesia care be prevented?
- 5** How can outcomes in frail and/or elderly patients be improved after receiving anesthesia for surgery?
- 6** What is the impact of reducing opioids (a type of medication that reduces pain, like morphine) during anesthesia on patient outcomes and opioid dependence after surgery?
- 7** What preparation, treatment, or assessment before receiving anesthesia for surgery improves patient outcomes?
- 8** How can patients' feedback about their experiences before, during and after surgery be used to improve anesthesia care?
- 9** How can anesthesiologists improve pain control after surgery?
- 10** What are the common long-term side effects of anesthesia after surgery?

"Patients need to be part of the research priority planning so that the lived experience is part of the dialogue... Patient voices were very much included with priorities identified that will very much improve patient outcomes and help us recover faster."

- Final workshop participant

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Top 10 priorities

1 Which factors before, during, and after receiving anesthesia for surgery are most important to improve patient outcomes and satisfaction?

"Patients need to be part of the research priority planning so that the lived experience is part of the dialogue."
- Final workshop participant



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Top 10 priorities

2

What are the impacts of involving patients in shared decision making about anesthesia and care options before, during, and after surgery?

*"I feel that understanding all aspects of patient care are important and should always include the patient in any decision."
- Final workshop participant*



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Top 10 priorities

3

What data should be collected from patients about anesthesia care before, during, and after surgery to better understand their outcomes and experiences?



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"The forum was a great start to be looking for research questions that need to be answered to provide better health care outcomes to patients."
- Final workshop participant



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4 How can errors and patient injuries in anesthesia care be prevented?



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"I had undergone five surgeries before anyone would believe me that my throwing up every five minutes for the first twenty-four hours post-op was because of the anesthetic and not pain medication, which I take on a daily basis for pain and never experienced nausea."
- Final workshop participant

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Top 10 priorities

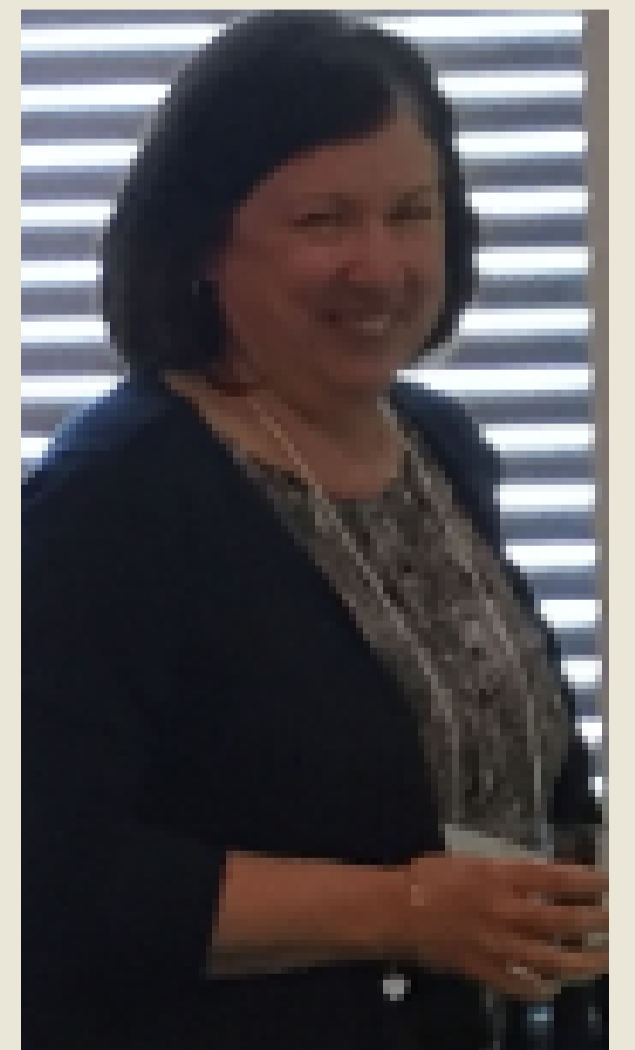
5 How can outcomes in frail and/or elderly patients be improved after receiving anesthesia for surgery?



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"... patient voices were very much included with priorities identified that will very much improve patient outcomes and help us recover faster."
- Final workshop participant



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Top 10 priorities

6

What is the impact of reducing opioids (a type of medication that reduces pain, like morphine) during anesthesia on patient outcomes and opioid dependence after surgery?



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"It was particularly valuable to have input from the variety of stakeholders present; as a clinician I was really exposed to patient and provider insight that I wasn't always aware of..."
- Final workshop participant



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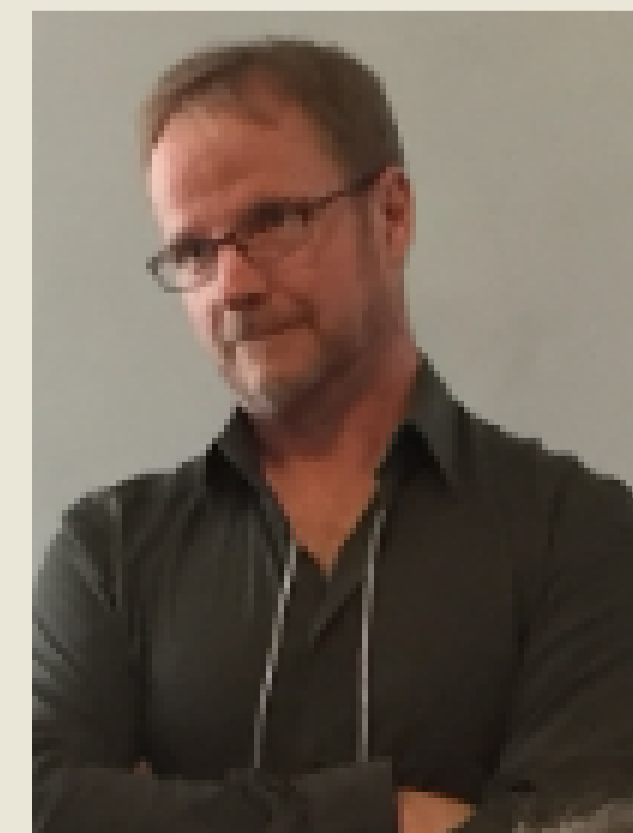
7 What preparation, treatment, or assessment before receiving anesthesia for surgery improves patient outcomes?

"Prioritizing the questions we have for anesthesia research is an important step toward improving Canadian perioperative care practices..."
- Final workshop participant



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How can patients' feedback about their experiences before, during and after surgery be used to improve anesthesia care?

"Collaboration with clinicians and other patients certainly broadened my perspective."
- Final workshop participant



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Top 10 priorities

9

**How can
anesthesiologists
improve pain
control after
surgery?**



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"Seeing patients, family members, health care providers and researchers sitting around the same table and sharing their experiences and perspectives was incredible! Everyone's views were considered equally..."
- Final workshop participant



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What are the common long-term side effects of anesthesia after surgery?



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"By listening, sharing and learning from each other I am confident that the final top 10 research questions will lead to improvements in patient outcomes..."
- Final workshop participant

