



# Pilot Project: Impact of Live Educational Webinars on Pharmacists' Learning

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# Disclosures

- Income from Fraser Health and Vancouver Coastal Health
- Contractor for PharMerit (global organization conducting research in health economics and health outcomes)



# Background

- BC Provincial Academic Detailing (PAD) service
  - Funded by the BC Ministry of Health
  - Critically appraise & synthesize literature
  - Detailing sessions with family physicians
  - Established in 2008
- Expand to provide information to other healthcare professionals
- Collaboration with BC Pharmacists Association (BCPhA)

- Primary objective: evaluate if the live webinar sessions have an impact on pharmacists' perception of their learning
- Secondary objective: determine if this is a preferred mode of learning by pharmacists





## Intervention & Implementation

- Two live webinars on PPI topic provided free of charge to BCPHA members
- Same webinars, both were considered as accredited continuing education
- Participants were required to complete:
  1. Pre-webinar survey prior to completing registration
  2. Post-webinar survey prior to receiving accreditation statement



# Intervention & Implementation

Pre-webinar survey	Post-webinar survey
<p data-bbox="112 454 749 511">Demographic questions:</p> <ul data-bbox="112 605 699 962" style="list-style-type: none"><li data-bbox="112 605 699 662">- Duration of practice</li><li data-bbox="112 762 602 819">- Practice settings</li><li data-bbox="112 919 710 976">- Communities served</li></ul>	<p data-bbox="981 454 1553 511">Perception questions:</p> <ul data-bbox="981 605 1754 962" style="list-style-type: none"><li data-bbox="981 605 1704 662">- Usefulness of the session</li><li data-bbox="981 762 1727 819">- Pharmacists' presentation</li><li data-bbox="981 919 1754 976">- Preferred mode of learning</li></ul>

## Pre- and Post- Webinar Questions

- 6 statements that were relevant to the key messages of the PPI topic
- Rank agree or disagree with each of the statements using a 5-point Likert scale
- Assessed the participants' perception of their learning



# Intervention & Implementation

## Statistical Analysis

- Summary statistics for descriptive questions
- Unpaired t-tests used to evaluate differences in participant's responses





# Results

- 2 sessions, approximately 90 and 50 participants for the first and second session
  - 149 responses for pre-webinar survey
  - 127 responses for post-webinar survey





## Results

- 51.7% have been a practicing pharmacist for at least 15 years
  - 87.9% practice in a community setting (chain & independent)
  - 64.2% are from the Greater Vancouver region
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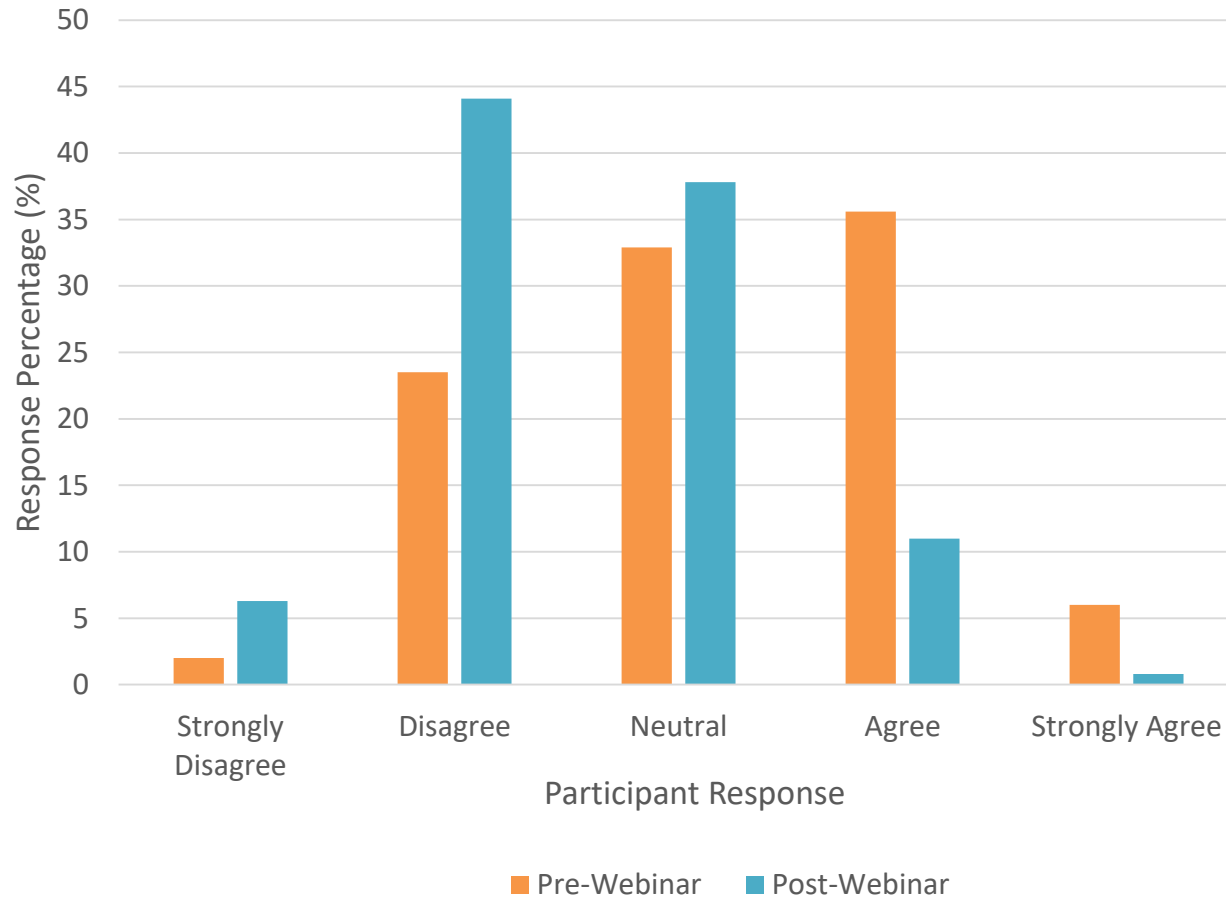
# Results

- 88.2% agreed or strongly agreed that the webinar met their expectations
- 94.5% agreed or strongly agreed the webinar met the learning objectives
- 83.5% agreed or strongly agreed the webinar was a valuable use of their time
- 72.4% agreed or strongly agreed the presented information is new
- 95.2% agreed or strongly agreed they are feel more confident when addressing their patients' PPI concerns.



# Results

All of my patients with a PPI prescription have a therapeutic indication for the medication.

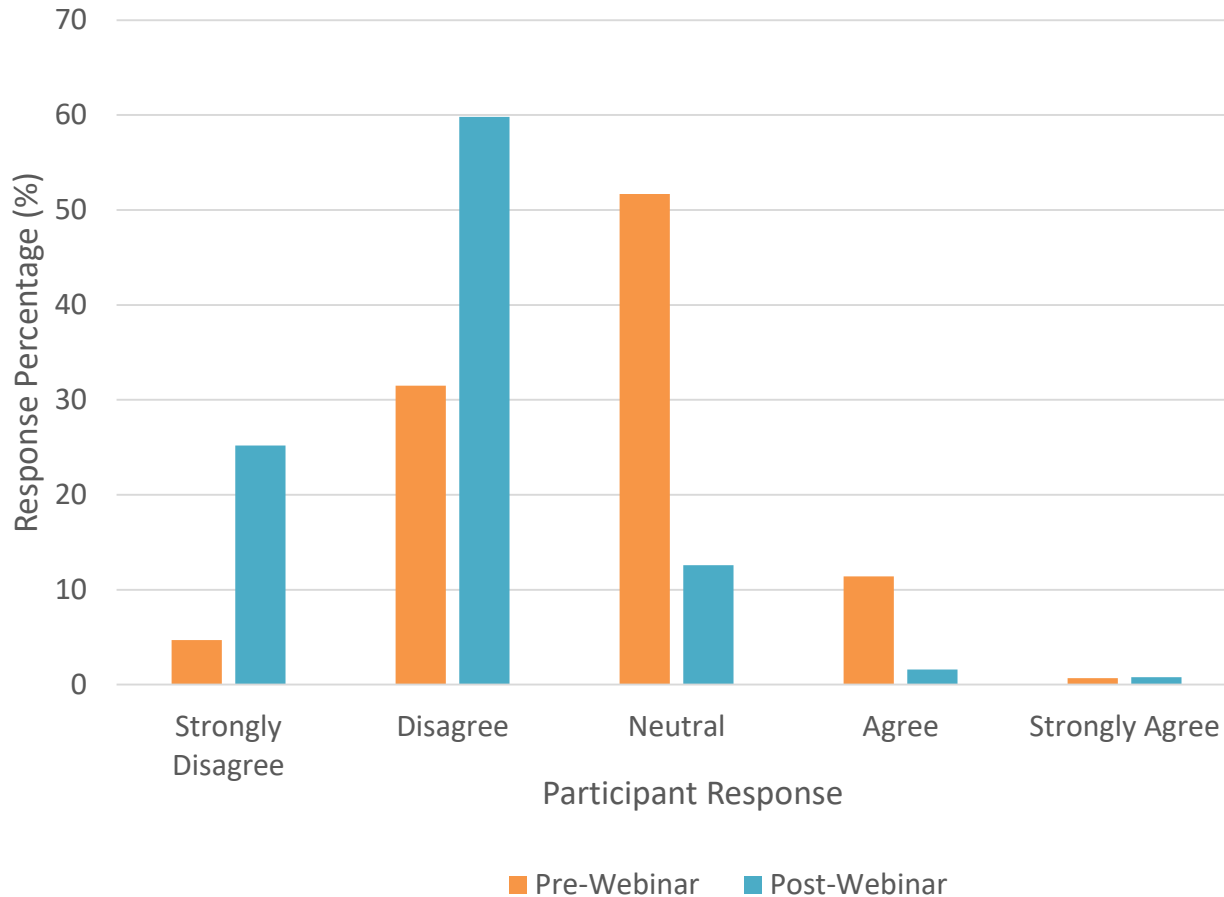


	Weighted Mean
Pre-webinar	3.20
Post-webinar	2.56
Weighted Mean difference	0.64 (95% CI 0.43-0.85; p<0.0001)



# Results

New PPIs are more effective than others.

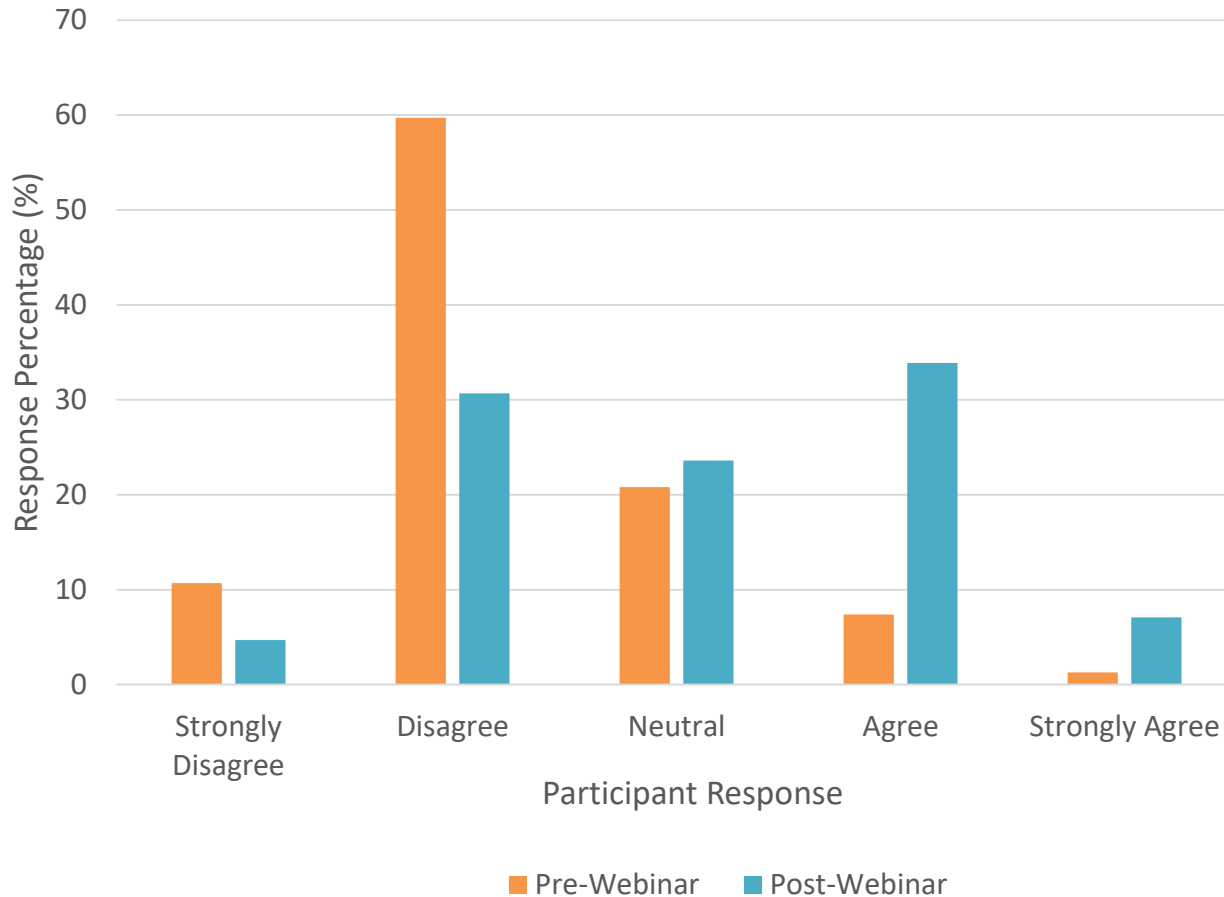


	Weighted Mean
Pre-webinar	2.71
Post-webinar	1.93
Weighted Mean difference	0.79 (95% CI 0.61-0.96; p<0.0001)



# Results

The only difference between all PPIs is cost.

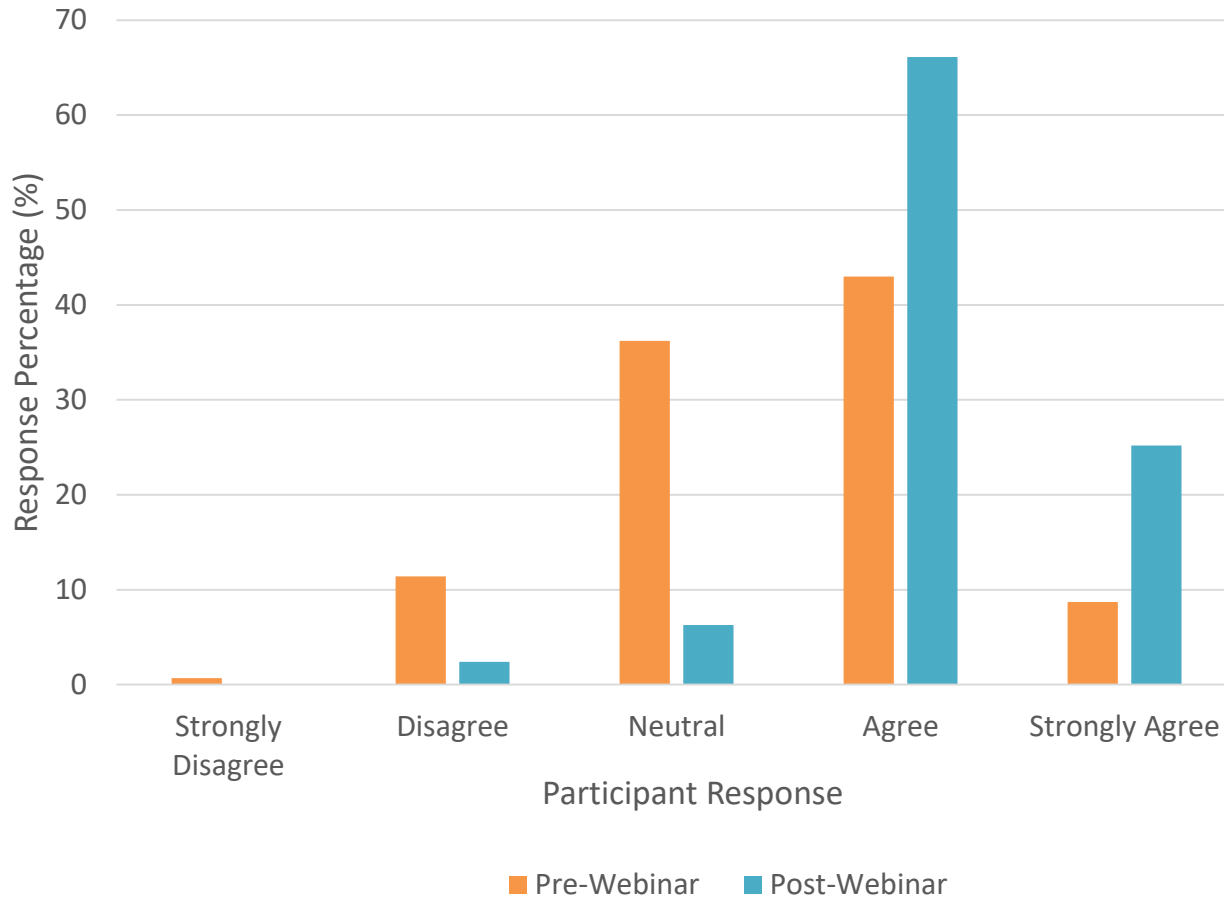


	Weighted Mean
Pre-webinar	2.29
Post-webinar	3.08
Weighted Mean difference	0.79 (95% CI 0.57 to 1.01; p<0.0001)



# Results

After being on a PPI for awhile, I suggest to my patients to consider stopping or lowering the dose.

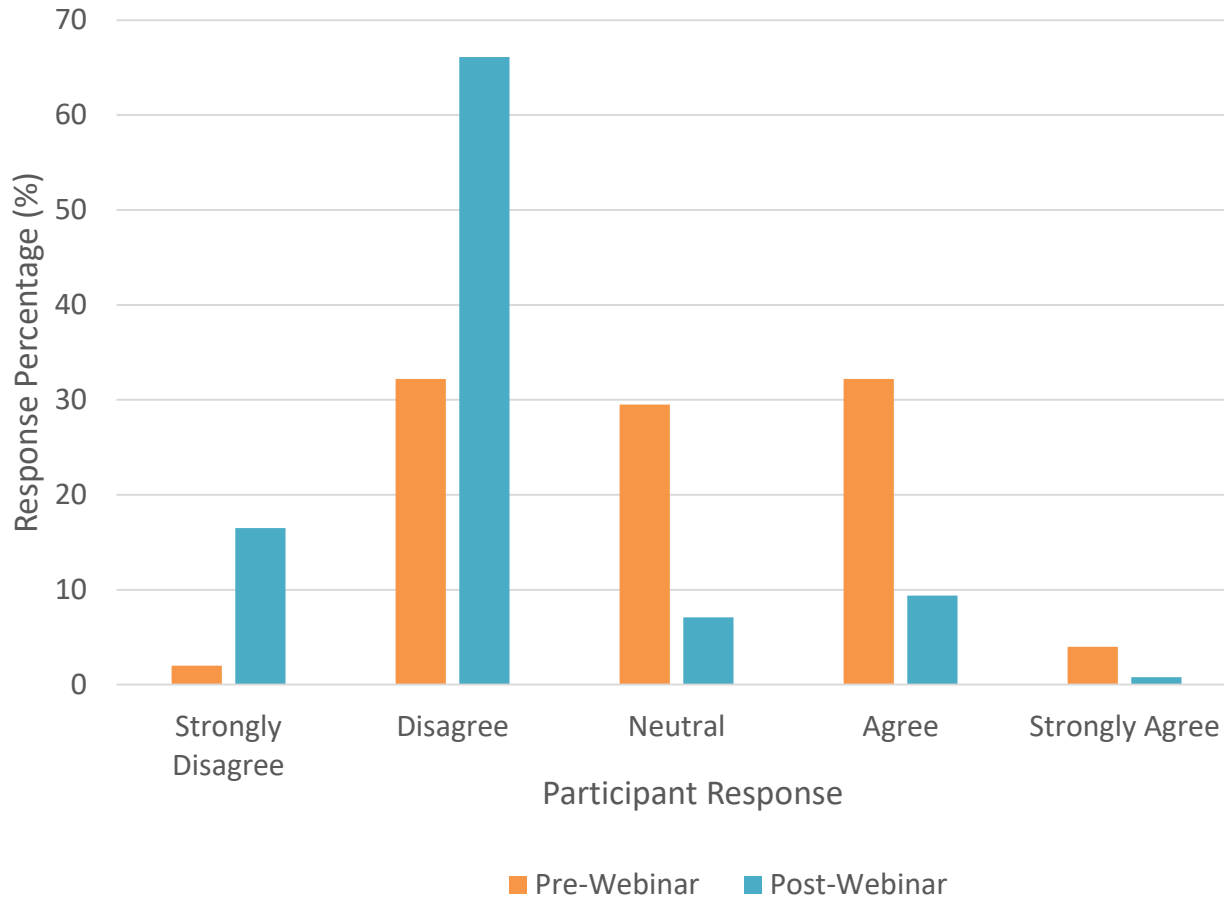


	Weighted Mean
Pre-webinar	3.48
Post-webinar	4.14
Weighted Mean difference	0.67 (95% CI 0.49 to 0.84; p<0.0001)



# Results

It is not appropriate for patients to take a PPI whenever they need to.



	Weighted Mean
Pre-webinar	3.04
Post-webinar	2.12
Weighted Mean difference	0.92 (95% CI 0.71 to 1.13; p<0.0001)





## Conclusion

- Positive impact on participants' perception of their learning
- Translate to improved patient care
- Valuable use of their time
- Effective way to deliver PAD's information across large geographical region

