

# Patient Perspectives on Pharmacist Prescribing in a Collaborative Interdisciplinary Setting at a Solid Organ Transplant Clinic



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#### Background

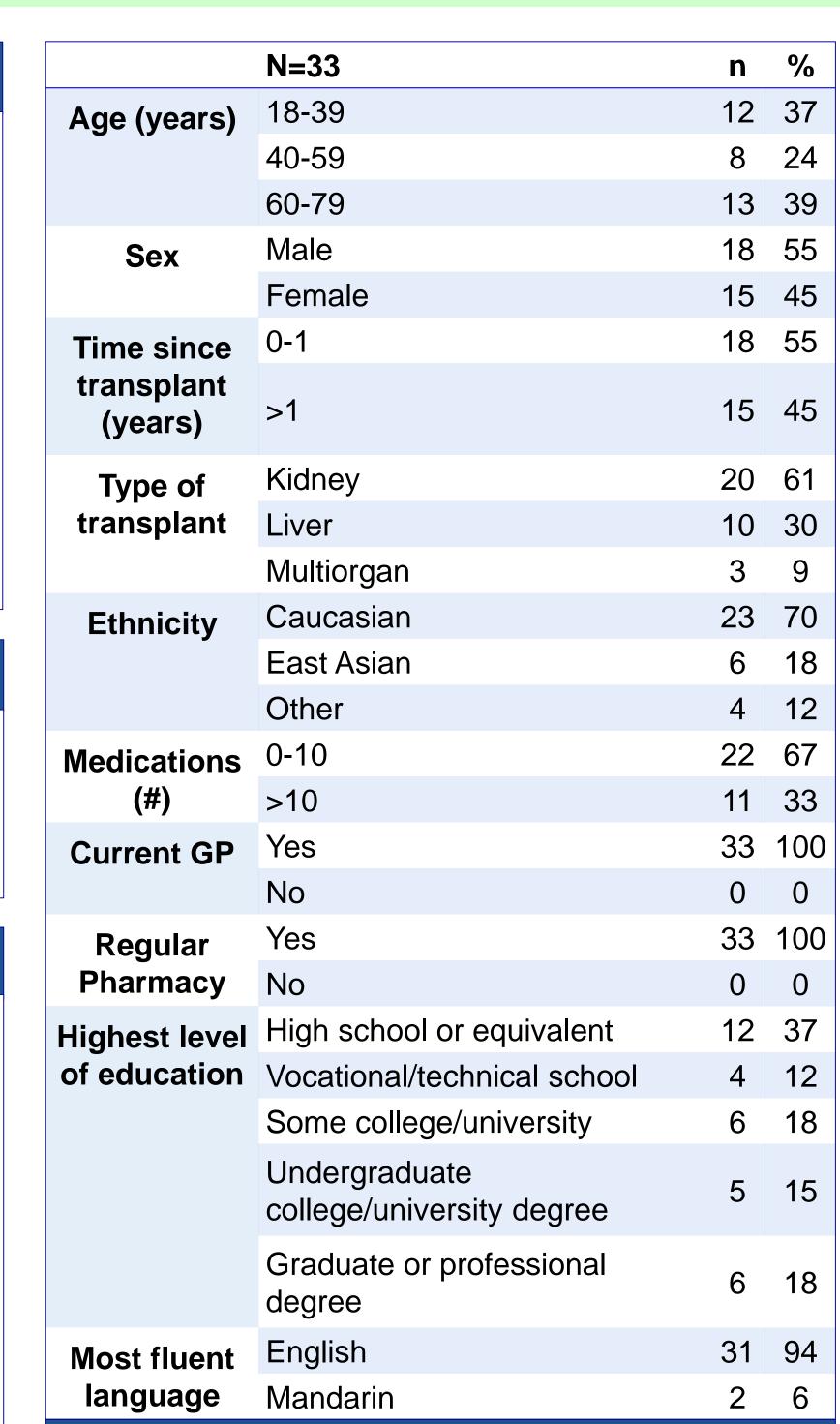
- The Certified Pharmacist Prescriber (CPP) initiative aims to provide pharmacists with prescriptive authority in collaborative settings.
- The College of Pharmacists of BC has submitted the proposed CPP framework to the Ministry of Health for review.
- Across Canada, many pharmacists already prescribe in different capacities, from independent to collaborative prescribing.
- Successful implementation of CPP will require stakeholder support.

### Objectives

- To assess patient perspectives on pharmacists as prescribers in a collaborative setting.
- To utilize the survey and qualitative data to identify perceived barriers to pharmacists as prescribers.

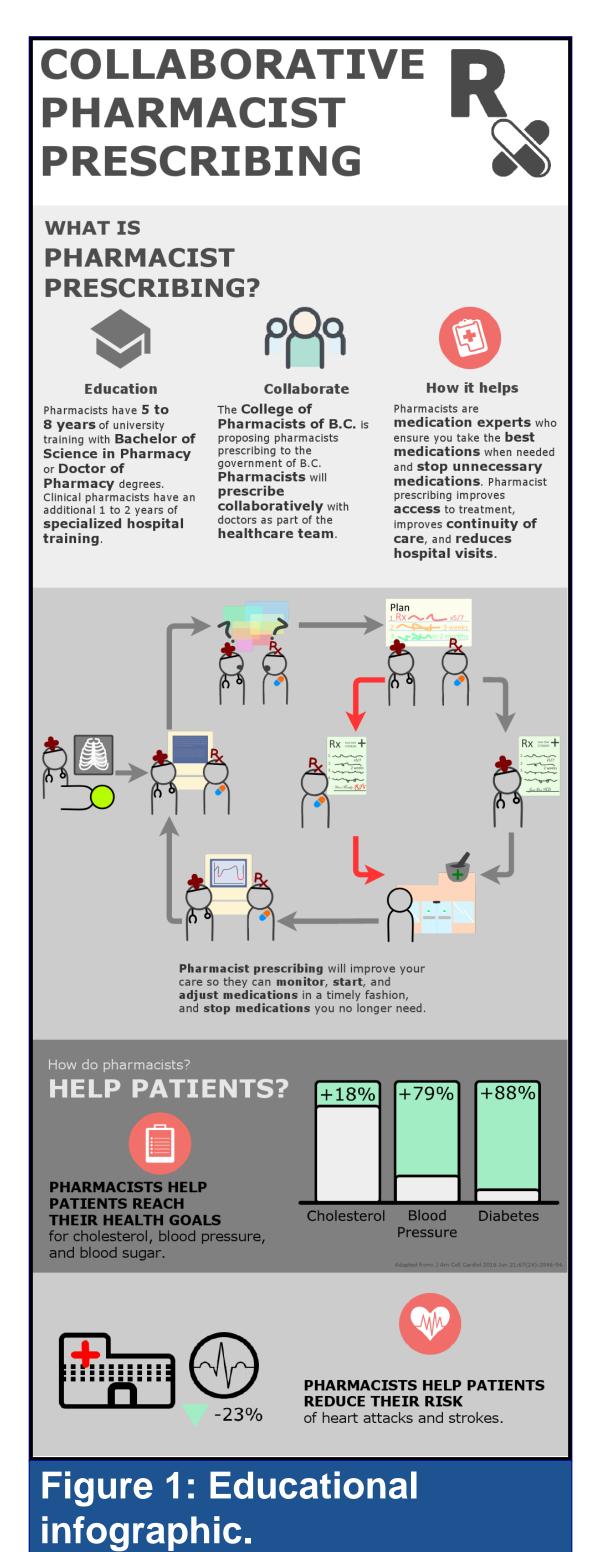
#### Methods

- Design:
- Prospective mixed-methods study with a quantitative survey and qualitative interview.
- Study Site and Recruitment:
- Solid Organ Transplant Clinic at Vancouver General Hospital between November 2018 to February 2019.
- Sample of convenience.
- Study Survey and Education Package:
- Quantitative survey development.
- Education package development: CSHP Hospital Pharmacists Video
  - Infographic (Figure 1)
- Semi-structured interview guide development.
- Two-Part Study:
- Quantitative survey:
  - Determine patient perceptions of pharmacists' current scope of practice (Figure 2).
- Qualitative interview:
  - Pre-education interview using semistructured interview guide.
  - Provide education package.
  - Post-education interview using same semistructured interview guide.
- Endpoints:
- Determine relationships between themes based on patient perception.
- Identify barriers for collaborative pharmacist prescribing.
- Analysis:
- Descriptive statistics for quantitative data and thematic analysis for qualitative data using NVivo 12 (Version 12.3.0.599).



**Table 1: Baseline participant** 

characteristics.



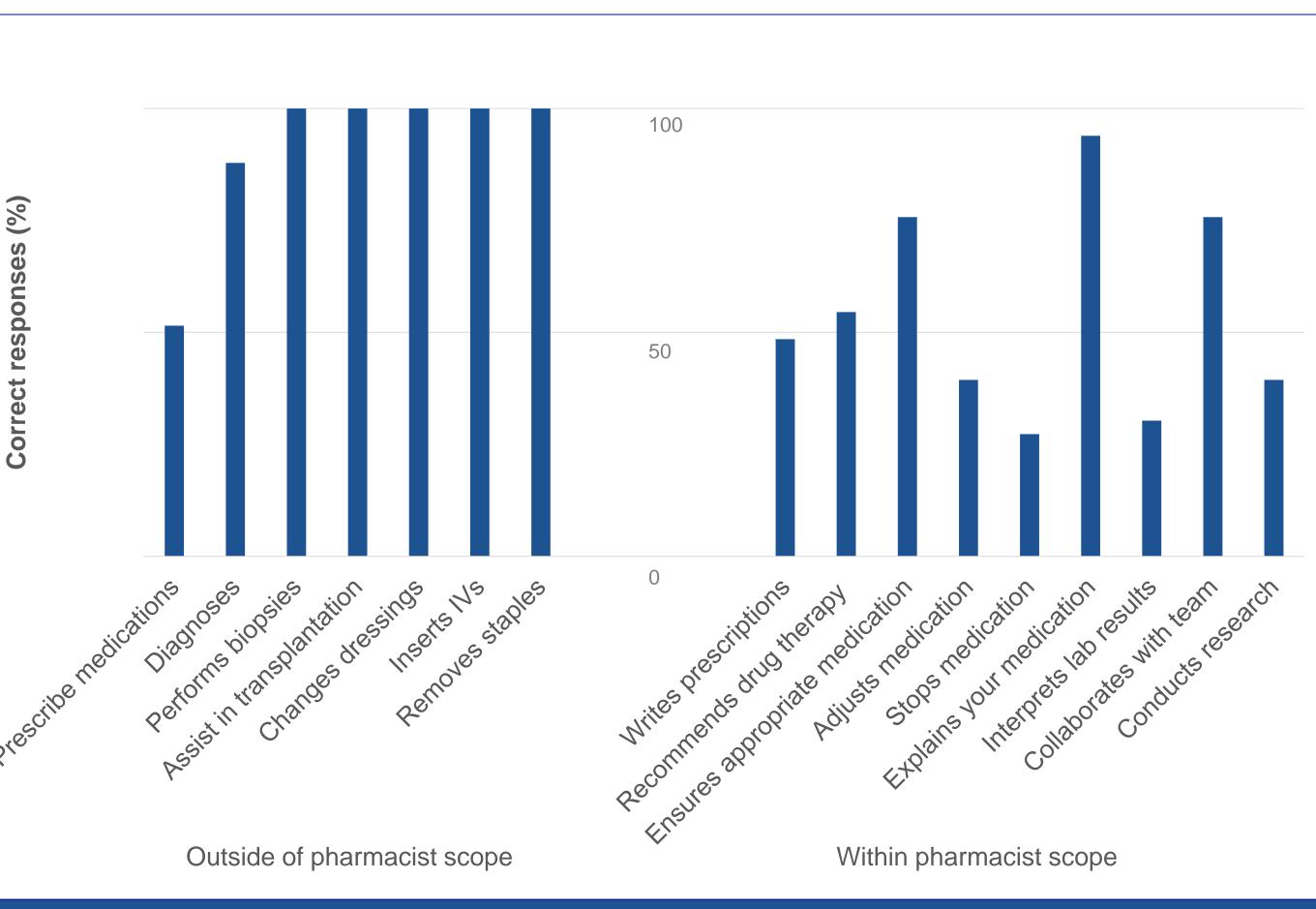


Figure 2: Baseline patient perception of pharmacists' scope of practice.









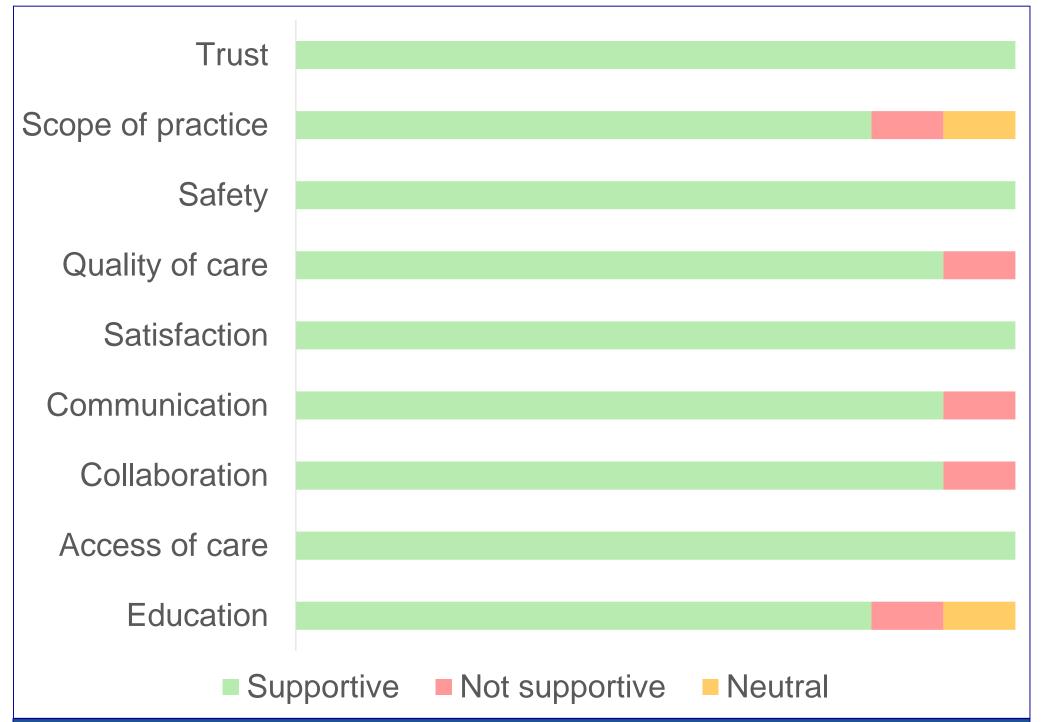
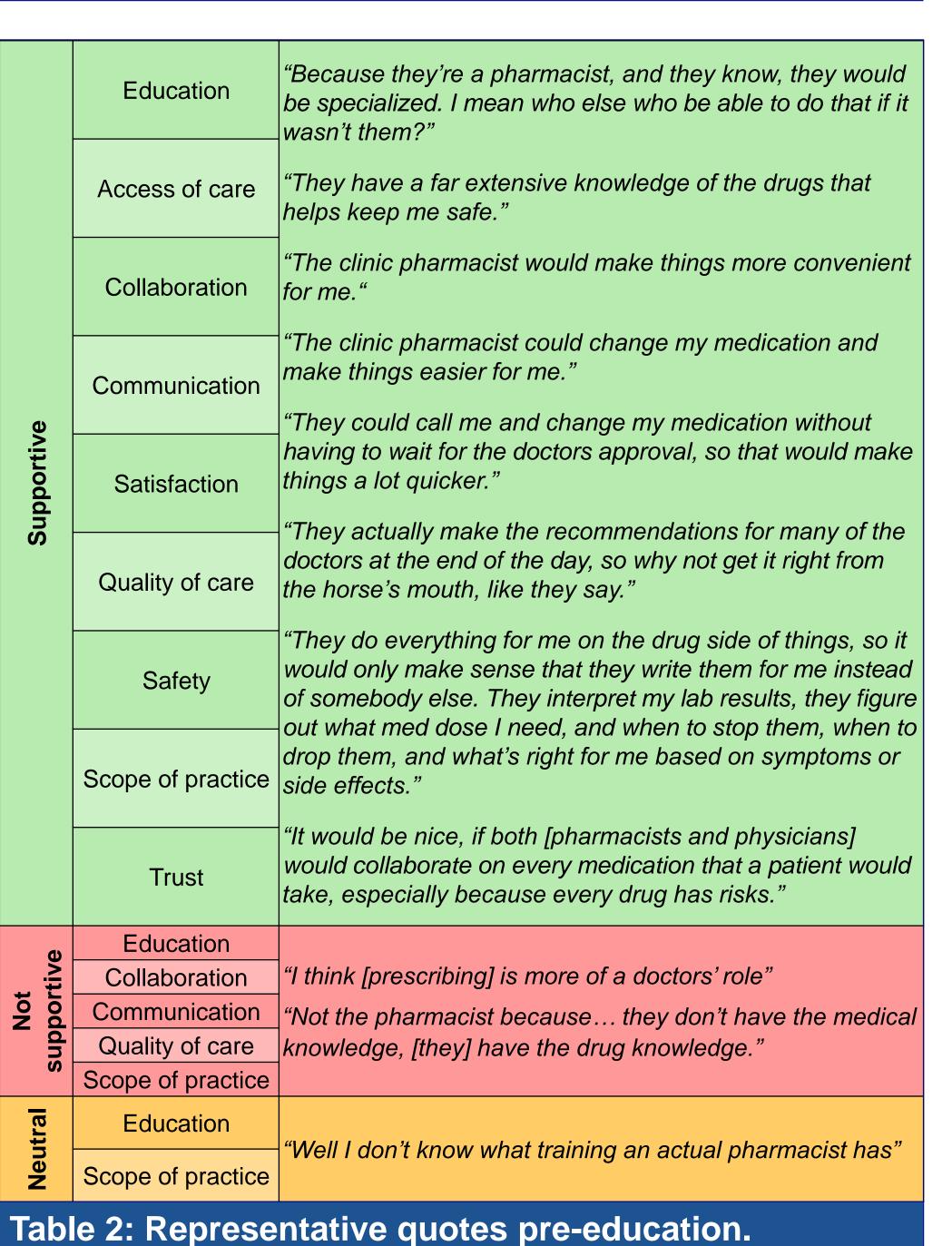


Figure 3: Pre-education themes.





## Trust Scope of practice Quality of care Satisfaction Communication Collaboration Access of care Education Supportive Not supportive Neutral

Figure 4: Post-education themes.		
Supportive	Education	"I had no idea that was the case that pharmacists go through that training to essentially become almost like a specialist to help doctors, right?"
	Access of care	"Well obviously the decrease in hospital readmissions, and the money! That's a huge amount of money to be saved."
	Collaboration	"I don't understand why they can't already. I find them very knowledgeable. I like their whole, holistic approach to carifor me. I think they would complete the team."
	Communication	"It would be nice if someone like the pharmacist could adjust, or prescribe, or stop a medication that we don't need."
	Satisfaction	"I thought they already collaborate and can prescribe, so I really think they should be able to!"
	Quality of care	"The pharmacists is really a doctor, they're just a specialist is really what it is."
	Safety	"the video and infographic just reaffirms what I was already thinking to begin with, with pharmacists being the experts in that specific field"
	Scope of practice	"having pharmacists be able to prescribe would help get away from the inefficiencies that are in this whole system, and I could see a benefit too with pharmacists specializing
	Trust	on drug and prescriptions that would free up doctors to deal with diagnosis and paying attention to other aspects of treatment."
Not supportive	Education	"Just like any part of the medical field, there's a risk of people not understanding your case if it's very complicated and just going ahead with the prescription"
tral	Education	"I don't know what [pharmacists] have been taught, but it
Neutral	Scope of practice	seems to me that some new information would be needed but not a lot."
Tab	le 3: Represe	entative quotes post-education.

#### Table 3: Representative quotes post-education.

#### Conclusions

- All participants were supportive of collaborative pharmacist prescribing.
- Nine themes were identified, characterizing the participants' perspective on collaborative prescribing.
- Quantitative and qualitative data consistently identified two themes depicting participants' reservations to fully support collaborative prescribing:
  - Unfamiliarity with pharmacists' training
  - Unfamiliarity with pharmacists' scope of practice
- A key barrier to collaborative prescribing is the public's unawareness of pharmacists' qualifications.
- Once the participants were educated on the roles, responsibilities, and qualifications of pharmacists, they were more supportive of collaborative prescribing.
- Targeted initiatives to increase the public's awareness on pharmacists' training and scope of practice is necessary for the successful adoption of CPP.