

CHRD 2024: Abstract Submission Form

Presenter Name

Grace Pilkey

Presenter Status

Undergraduate Students

Role in the project

Perform Experiments
Write Abstract

Research Category

Clinical

Title

A protocol for co-designing a study to understand knowledge and perspectives toward pharmacogenetic testing in mental health care among youth with lived/living experience of mental illness and their parents

Background

Mental health disorders among Canadian youth are on the rise, with a growing reliance on psychotropic medications despite inconsistent results and side effects. Pharmacogenetics-guided prescribing of these medications offers a personalized approach that can potentially improve drug efficacy and tolerability, reducing the morbidity, mortality and cost associated with current prescribing practices. Still, the perspectives of youth and parents on this potential solution are largely unknown.

Objective

We will bridge this gap by engaging youth and parents in co-designing a protocol for a qualitative study that explores youth and parent perceptions of pharmacogenetic testing.

Methods

The study will involve two Research Advisory Councils: (1) youth aged 15 to 24 years and (2) parents of youth with neuropsychiatric disorders. Each group will engage in four meetings, and we will employ an iterative drafting-feedback-refinement process centered around brainstorming activities and facilitated discussions. The advisory councils will inform the specific research question(s), interview guide, participant recruitment, and knowledge translation strategies. A professional facilitator will guide these meetings to ensure a safe and inclusive environment and accommodate diverse cultural and socioeconomic viewpoints.

Results

The engagement process will result in a co-designed qualitative study protocol that reflects the priorities and concerns of youth and parents about pharmacogenetic testing. This project will also facilitate future collaboration between researchers and advisory council members, ensuring ongoing research is informed by relevant knowledge users.

Conclusion

By engaging youth and parents in co-developing a research protocol, this study aims to ensure that outcomes are meaningful and aligned with end users' needs. The study results are expected to contribute to a deeper understanding of pharmacogenetic testing in mental health care and guide the implementation of this clinical service for Manitoban youth.

Do you have a table/figure to upload?

No

Authors

Name	Email	Role	Profession
Grace Pilkey	pilkeyg@myumanitoba.ca	Presenting Author	PharmD Student
Sasha Kullman	kullmans@myumanitoba.ca	Co Author	Graduate Student
Anna Chudyk	anna.chudyk@umanitoba.ca	Co Author	Assistant Professor
Nuzhat Tabassum	tabassu8@myumanitoba.ca	Co Author	Graduate Student
Cara Katz	ckatz2@matc.ca	Co Author	Assistant Professor
Laurence Katz	lkatz@hsc.mb.ca	Co Author	Associate Professor
Abdullah Al Maruf	abdullah.maruf@umanitoba.ca	Senior Author	Assistant Professor