

St. Michael's Inspired Care. Inspiring Science.





Land Acknowledgement

- We acknowledge this land on which we operate at the Knowledge Translation Program, where this work was done.
- For thousands of years, it has been the traditional land of the Huron-Wendat, the Anishinaabe, Chippewa, Haudenosaunee, and most recently the Mississaugas of the Credit River.
- We acknowledge that Toronto is covered by Treaty 13 with the Mississaugas of the Credit and The Dish with One Spoon treaty between the Anishinaabe, Mississaugas and Haudenosaunee
- As a white settler, I acknowledge my commitment to continuing to work with and listen to First Nations, Inuit and Métis communities in the spirit of reconciliation and partnership and to be an ally and learner on the path towards Reconciliation.







Competing interests

- No Pharma funding
- Receive CIHR funding for the SPOR Evidence Alliance







Thank you, Linda Wilhelm, Canadian Arthritis Patient Alliance



Objectives

By the end of the session, participants will:

- Have increased knowledge of research co-creation
- Have increased knowledge of strategies for engaging older adults and caregivers in research
- Be able to identify challenges and opportunities for co-creating research with patients, caregivers and others







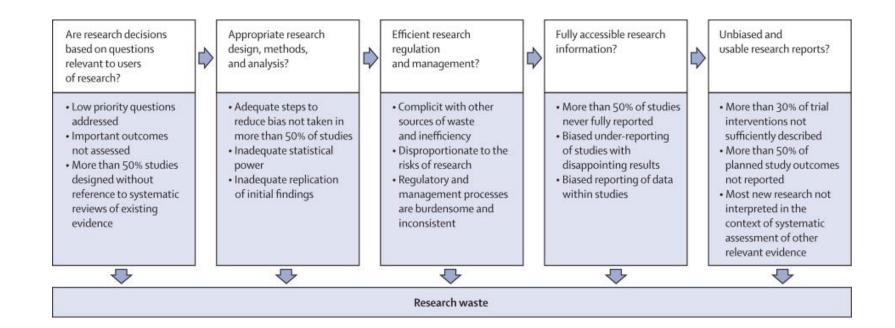


Figure. Avoidable waste or inefficiency in biomedical research

85% of research funding is wasted - \$250B/year

Lancet 2014;383;101-4







Why is patient oriented research (POR) important?

- 50% of patients do not get treatments of proven effectiveness
- Up to 25% get care that is not needed or potentially harmful
- This care is expensive.
 - In 2022, Canada spent approximately \$333 billion on health care, or \$8563 per person.
 - OECD average in 2020, \$5502 per person
 - 12.2% of GDP in Canada; 5.9% in Singapore
- Patients and clinicians have a right to expect that important health decisions are made on the basis of evidence

CFHI (2011) Canada's Strategy for Patient-Oriented Research: Improving health outcomes through evidence-informed care August . Retrieved at: http://www.cihr-irsc.gc.ca/e/44000.html; SPOR Overview, retrieved at:

http://www.cinr-irsc.gc.ca/e/47473.html





• 'Engaging patients as partners in research builds trust in the research process from the perspective of the patient. It is empowering and promotes a culture of shared decision making'

Linda Wilhelm, CAPA





Strategy for Patient Oriented Research (SPOR)

- National 10-year strategy introduced in 2011 by CIHR to improve healthcare systems and practices
 - Aimed at improving length of time for the uptake of research into health systems practice
 - Involves ensuring the right patient receives the right clinical intervention at the right time
- Strategy for Patient-Oriented Research

 Putting Patients First
- The SPOR strategy includes five core elements:
- 1. Support units
- Networks
- 3. Capacity development
- 4. Patient engagement
- Clinical trials

Abelson, Julia. (2015) Patient Engagement and Canada's SPOR initiative: A resource Guide for Research Teams and Networks.







What is POR?

- Research carried out with/by patients rather than research to/for/about patients
- Focuses on patient priorities and improves patient outcomes individually and in communities.

Andrews et al. (2015) More than just a ticking box ... how patient and public involvement in research design and funding application for a project to evaluate a cycling intervention for hip osteoarthritis. *Research Involvement & Engagement;* SPOR Capacity Development Framework, (2015); CIHR, http://www.cihr-irsc.ge.ca/e/44000.html







What is patient engagement in research?

INCREASING IMPACT ON THE DECISION

	INFORM	CONSULT	INVOLVE	COLLABORATE	EMPOWER
PUBLIC PARTICIPATION GOAL	To provide the public with balanced and objective information to assist them in understanding the problem, alternatives, opportunities and/or solutions.	To obtain public feedback on analysis, alternatives and/or decisions.	To work directly with the public throughout the process to ensure that public concerns and aspirations are consistently understood and considered.	To partner with the public in each aspect of the decision including the development of alternatives and the identification of the preferred solution.	To place final decision making in the hands of the public.
PROMISE TO THE PUBLIC	We will keep you informed.	We will keep you informed, listen to and acknowledge concerns and aspirations, and provide feedback on how public input influenced the decision.	We will work with you to ensure that your concerns and aspirations are directly reflected in the alternatives developed and provide feedback on how public input influenced the decision.	We will look to you for advice and innovation in formulating solutions and incorporate your advice and recommendations into the decisions to the maximum extent possible.	We will implement what you decide.







There are lots of knowledge users in health research

Knowledge Users	Description
Patients	Individuals with personal experience of a health issue and informal caregivers, including family and friends.
Policymakers and regulators	Individuals and organizations that create and monitor healthcare policies and regulations
Researchers	Individuals and their related organizations that generate research evidence
Research funders	Entities that provide monetary support for research efforts
Clinicians	Health care professionals that work as a primary care giver of a patient in a hospital, skilled nursing facility, clinic, or patient's home.
Health care managers	Individuals who oversee admissions, staffing and upkeep of medical centers, making sure that patients receive the necessary services.

What does co-creation with knowledge users look like?

Collaborate Help Assist in Be involved Collaborate Disseminate Assist in to identify framing the in designing Help collect and help prioritize the to develop interpreting issues to be health research the study data tools and implement findings investigated questions and plan publications knowledge issues







Why is patient engagement in research important?

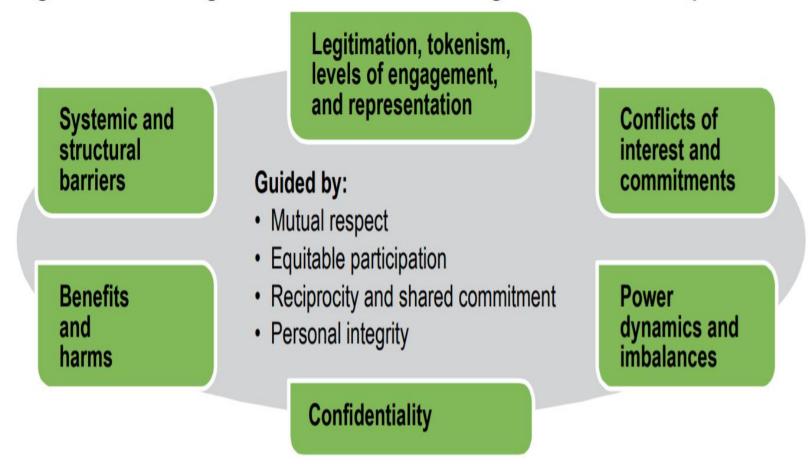
- 'Meaningful patient engagement:
 - grounds research in a deep understanding of the health situations and the living or lived experiences of actual patients, including groups that are typically under-represented in research, to make research more relevant and usable by those patients;
 - promotes research methods that are culturally safe, respectful, and appropriate;
 - legitimizes research in the eyes of the community that the research is intended to benefit;
 - strengthens capacity of patients to shape research that matters to them;
 - builds relationships among patients and others involved in research that are mutually respectful;
 - creates an ethical space for respectful dialogue and discussion where each person can speak in their own voice.'
 - Ethics guidance for developing relationships with patients and researchers https://cihrirsc.gc.ca/e/51910.html







Figure 2. Reflecting on ethical concerns throughout the research process



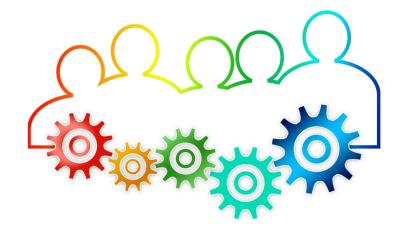
Key points and questions for reflection are provided under each of these concerns. Somewhat different questions are posed for patients than for researchers, institutions, and funders. However, everyone is encouraged to find answers in light of the four overarching considerations



How can we engage older adults?

How can we create meaningful roles for patients and researchers?

- Start early
- Build reciprocal relationships
 - Including validation of impact
- Provide training for patients and researchers – including training in EDI and intersectionality
- Clarify roles and responsibilities



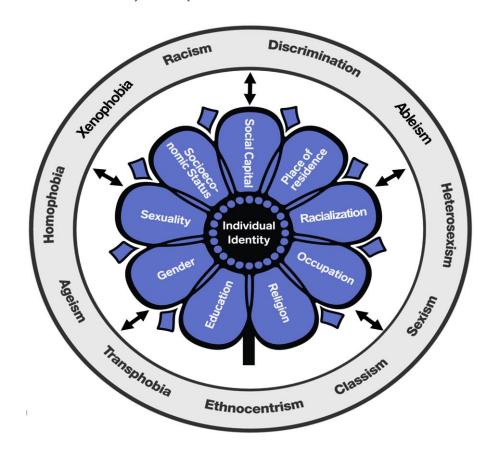
Shippee et al. (2013) Patient and service user engagement in research: a systematic review and synthesized framework.





Intersectionality

Crenshaw K. Stanford Law Review; 1991;43:1241-99.











EDUCATION & TRAINING

CONTAC

Intersectionality & Knowledge Translation Tools

Please see below for our featured tools:

- Intersectionality Guide
- o Intersectionality Guide one-pager
- Intersectionality & Knowledge Translation Reflection Workbook
- Intersectionality & Knowledge Translation Reflection Workbook one-pager
- Intersectionality & Knowledge Translation Guide to Common Approaches to Assessing Barriers and Facilitato to Knowledge Use
- Intersectionality & Knowledge Translation (KT) Selecting and Tailoring KT Interventions Workbook

SHARE BUTTONS







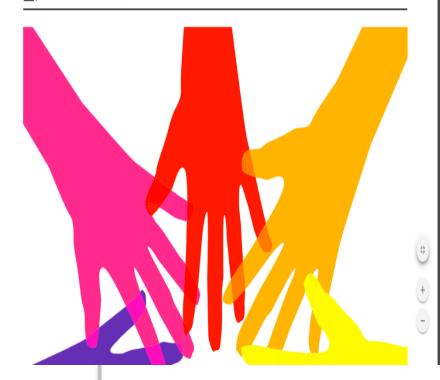




Intersectionality &Knowledge Translation (KT)



Intersectionality Guide







PATIENT AND PUBLIC ENGAGEMENT PLANNING TEMPLATE

Instructions: Patient engagement is about meaningful engagement of patients/public in the research process (not just as subjects of research). This template has been designed to assist with the development of Patient Engagement plans for health research but can be used to plan other projects. Begin with box #1 and work through to box #10 to address the components of the engagement planning process. Select all that apply and discuss the template with your research team.



1 WHY ¹ Why do you want to involve patients?	2 WHO¹ Who do you need to involve?	3 WHEN ¹ When and how can patients be involved?
□ Gathering ideas for new research areas based on patients needs □ Ensuring research is focused on the public's interests and concerns and that money and resources are used efficiently □ Ensuring transparency and accountability □ Ensuring that the methods are acceptable and sensitive to the situations of potential research participants □ Making the language and content of information more appropriate and accessible □ Increasing participation in research □ Collecting data by, with and for patients □ Taking diverse perspectives into account when analysing data □ Taking diverse perspectives into account when making decisions □ Increasing the dissemination and uptake of research findings in practice or policy □ Meeting the requirements of funders □	□ In-patients □ Out-patients □ Former patients □ Caregivers □ Family □ Public □ Patient support group □ Patient organisation □ Community group □ People who have experience with a specific condition, service or treatment □ Consider: the broad and different views and experiences you will need. Engage people as "independent citizens" not as "experts" or representatives of specific stakeholder groups. Tip: Involve more than one person. This allows you to involve different people at different stages of the research	Research process: Identifying priorities: patients' experiences of a condition can help generate new ideas or clarify questions that you may have about new studies. Grant writing and review process: patients can help support proposals and collaborate on grant applications. Design and managing: patients can inform the design of data collection tools, for example piloting a questionnaire. Patients can help develop communication materials that are clear to patients and the public. Data collection and analysis: patients can help to collect and analyse data Dissemination: patients can advise on who to share research findings with and the different ways to communicate with them. Implementation: patients can help develop and implement interventions. Evaluating: patients involvement should be evaluated from both the patients' and the researchers' point of view.
Consider: if there is a useful role for patients. Is the topic appropriate? Are there options to choose from or are decisions already made?	process, and allow people to choose how they want to be involved.	the research cycle. It is most effective to involve patients as early as possible; however, it is never too late.

How to create clear and meaningful roles Co-create a terms of reference document

- Background
- Vision
- Purpose
- Core values
- Confidentiality
- Membership
- Governance
- Meeting (frequency and method of decision-making)
- Compensation





Partners in Research (PiR) Patient Representatives Terms of Reference 2017-2018

Background

Many individuals involved in healthcare research and practice believe that it is important for patients and researchers to work together to improve healthcare system and practices. However, patients and researchers are unsure how best to engage patients and therefore need training on 'how to do' **patient-oriented research (POR).** Simply put, POR refers to research (at all levels) that includes patients as active partners, focuses on patient-identified priorities, and improves patient outcomes.

Vision

To address this need, the Knowledge Translation Program in the Li Ka Shing Knowledge Institute at St. Michael's Hospital will design an online POR course, *Partners in Research (PiR)*. The goal of this project is to increase the knowledge and skills in POR and to increase the use of effective POR methods. This course will be targeted to patients, families, healthcare researchers, and graduate students.

Responsibilities and opportunities

- To contribute to the development of the online course
- To ensure relevance of content from a patient's perspective are integrated
- To ensure that the project addresses outcomes that are important to patients

Members

There are two separate groups patient representatives <u>may_sit</u> on, the PiR Steering Committee and the PiR Working Group.

The Steering Committee

Expectations

- Meet quarterly by webinar or teleconference to contribute to the strategic direction of the project.
- Provide oversight of the engagement process, evaluation and sustainability plans.

Patient Representation

The Steering Committee will consist of 2 patient representatives.

The Working Group

Expectations

Assumptions about patient roles & preferences









An example

- CAPA worked closely with The Canadian Rheumatology Association on vaccine decision making, as well as the shift to virtual care and developing best practice statements.
- Rheumatologists were convinced that the biggest concern patients had about vaccination was the risk of a disease flare.
- Patients were, for the most part, willing to risk a short disease flare for protection from the effects of getting COVID-19 and being able to feel more comfortable venturing out in public again.





Considerations for older adults

- Ask about what accommodations are needed:
 - Hearing
 - Vision
 - Mobility
 - Transportation...
- Identify strategies for engaging priority populations
 - o e.g. go to them; provide a phone, computer, data plan
- Identify supports for those with cognitive impairment
- Tailor supports to their needs at each point in the research process
 - o e.g. glossary of terms, assign a 'buddy', POR coaches
- Provide compensation for the patient and their caregiver
- Develop a plan and supports for patient illness









Some examples

Evaluating the comparative effectiveness of geriatrician-led models of care across healthcare settings

- Integrated models of care such as comprehensive geriatric assessments (CGA) can help prioritize and manage complex health needs of older adults.
- CGAs are often conducted by geriatricians and an interdisciplinary team, and models vary across healthcare settings.
- It is unclear which geriatrician-led models of care are most effective at improving outcomes.
 - Soobiah C et al. J Clin Epidemiol. 2019 Sep;113:58-63.









Steering Committee

Established a steering committee to guide conduct of systematic review and engagement activities

- 3 citizens
- 2 clinicians

Assisted in framing the research questions

Involved in designing the study plan

Provided feedback on engagement activities and data collection

Assisted in interpreting review findings

Created key messages for dissemination of review findings

Adapted from: Patients in Research Presentation St. Michael's Hospital 2018









Knowledge User (KU) Engagement Strategy within the Systematic Review

1. Engage with KU to select outcomes & measures

2. Complete review & analysis

3. Engage with KU to create the key messages from review

4. Evaluate KU engagement





Impact

- Establishing a steering committee allowed us to identify potential issues and challenges prior to conducting steps of the review
- Active KU engagement in the conduct of the review allowed us to tailor the review findings to outcomes and measures that were preferred
- Assessment of KU engagement allowed us to understand if the activities employed in the review were engaging
 - In-person meeting was rated higher for engagement then online activities
 - Used the PEET tool to assess engagement
 - J Clin Epidemiol. 2022 Mar;143:61-72.







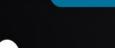


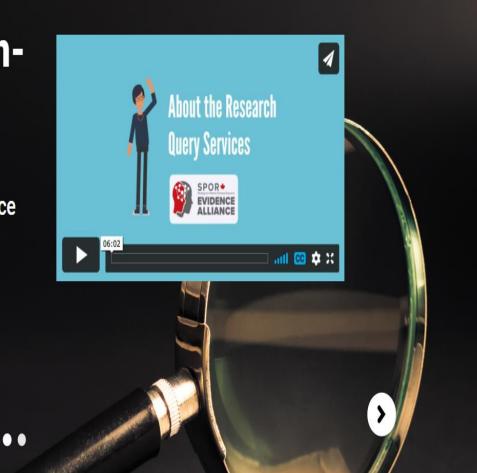




The SPOR Evidence Alliance can help gather information from research evidence in a systematic and transparent way to answer your health-related questions.

Ask a Question















Resources and Support for Congregate Living Centres during COVID-19 and Beyond







Ethics and operational issues in co-creating research with patients and caregivers

Challenges

- Avoid tokenism
- REB considerations
 - Requirements for patient and caregiver partners to complete courses
- Compensation
 - Ensure it includes the courses above, caregiver time etc.
- Publications
 - Some journals push back on patients as authors
 - Requirements for 'affiliation with an organization'
 - Declarations of conflicts of interest
 - In contrast, some journals are asking for inclusion of a section on how patients were engaged in the research
- Thesis committees
 - Requirement for faculty appointment







Challenges during COVID-19

- Rapid research calls
 - Evolving research questions
- Compensation
 - Additional need for child care, computers, data plans etc.
- Stress, burnout amongst residents, families/caregivers, clinicians in long-term care homes/retirement homes
 - Provide wellness resources/support, using trauma-informed care
 - 'We have found that engaging with patients over the past 20 months or so is even more important than before the pandemic.'
 - Linda Wilhelm







Summary

- 1. Co-producing research can decrease research waste
- Strategies for engaging older adults in research need to be developed with them as partners and be grounded in principles of establishing trust
- 3. Don't do what I did and present on co-production without a patient partner







Acknowledgements

- Linda Wilhelm
- Lorraine Bayliss
- Annette McKinnon
- Eliot PausJenssen
- All of our patient and caregiver partners







Resources

- https://cihr-irsc.gc.ca/e/51910.html#10
- https://www.healthtalk.org/patient-and-public-involvementresearch/overview
- http://arthritispatient.ca/
- https://researchteams.pcori.org/inclusion#Establishing%20and%20Maintaining%20Tr ust





