In the last two decades, medication reviews in community pharmacy has gained policy interest globally due to:

- Need to tackle the burden of poor medication management on patients and health systems
- Calls to leverage pharmacists medication expertise, accessibility and expanded roles
- Growing literature evaluating the uptake and delivery of the publicly funded programs in Canada since 2007

**Objectives:**
To systematically map the existing Canadian literature on medication reviews provided by community pharmacists according to research designs, key findings and identify research gaps

**Methods**

- **Study design:** Scoping review framework (Levac et al, 2010) and Preferred Reporting Items for Systematic Reviews and Meta-Analyses Extension for scoping review (PRISMA Sc-R) guidelines
- **Covidence software:** Tool for managing literature screening and selection stages

![Figure 1: Scoping review framework](image1.png)

**Results**

- **Stage 1:** Identify research question
  - Evaluate eligibility criteria
  - Evaluate patient-pharmacist communication
  - Strategies to engage patients and healthcare professionals
  - Comparison of practice models of medication reviews

- **Stage 2:** Identify relevant studies
- **Stage 3:** Select eligible studies
  - Program Uptake
    - Stakeholder beliefs and attitudes
    - Pharmacy workplace culture
- **Stage 4:** Chart data
- **Stage 5:** Collate, summarize and report results

**Figure 2:** PRISMA flow diagram of search and study selection

**Figure 3:** Research on Medication review (MR) programs in Canada

- MR program, No studies (NS, PEI, NL)
- MR program, < 5 studies
- MR program, 5-10 studies
- MR program, > 10 studies
- No publicly funded MR program

**Figure 4:** Research designs (n=41 studies)

- Mixed-method (43%)
- Qualitative (24%)
- Quantitative (73%)

**Figure 5:** Themes from synthesis of studies

**Conclusions**

- Publicly funded medication reviews in Canadian community pharmacies reduce medication-related problems and potentially improve patient health outcomes
- Approaches to address barriers to the uptake, processes, and outcomes of care could be explored further
- Future research could consider exploring models for sustainable delivery of these programs and other identified gaps.