

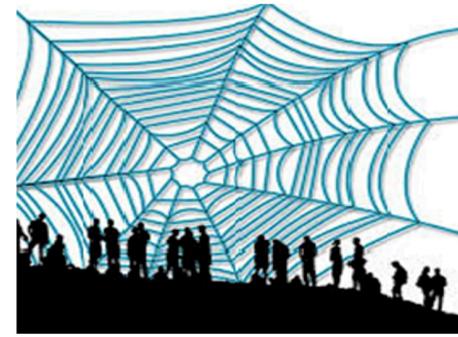
Designing for Improvement: Enabling Primary Care Teams to Improve Care for Elderly Patients Living with Polypharmacy

International Conference on Practice Facilitation
June 27, 2019

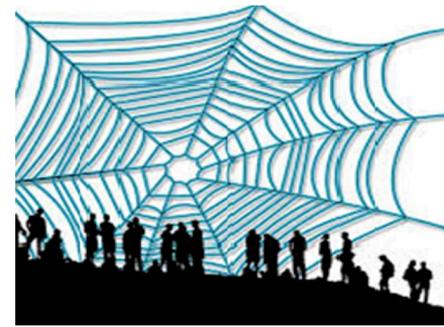
Patricia O'Brien RN MScCH
Christina Southey MSc

Presenter Disclosure

- **Presenter: Patricia O'Brien RN MScCH**
- **Relationships with financial sponsors:**
 - **Grants/Research Support:**
 - **Canadian Institutes of Health Research (CIHR)**
 - **Speakers Bureau/Honoraria: None**
 - **Consulting Fees: None**
 - **Patents: None**
 - **Other: Program Manager, Quality & Innovation/DFCM**



Presenter Disclosure



- **Presenter:** Christina Southey MSc
- **Relationships with financial sponsors:**
 - **Grants/Research Support:**
 - **Canadian Institutes of Health Research (CIHR)**
 - **Speakers Bureau/Honoraria: None**
 - **Consulting Fees: None**
 - **Patents: None**
 - **Other: QI Coach, SPIDER**

Disclosure of Financial Support

- This program has received financial support from CIHR in the form of Operating Grant
- This program has received in-kind/cash support from the following organizations

Organization	Support	Organization	Support
North York General Hospital	Cash/In-kind	University of Toronto Practice Based Research Network (UTOPIAN)	In-kind
Quality & Innovation Program, Department of Family & Community Medicine , University of Toronto	In-kind	The College of Family Physicians of Canada	In-kind
Dept. of Family Medicine, Faculty of Medicine, University of Ottawa	Cash	Dept. of Family Medicine, Faculty of Medicine & Dentistry, University of Alberta	In-kind
Dept. of Family Medicine, Faculty of Medicine, University of Calgary	In-kind	Manitoba Primary Care Research Network, Department of Family Medicine, University of Manitoba	In-kind
Dept. of Family Medicine, Max Rady College of Medicine, University of Manitoba	Cash	Research Manitoba	Cash
Fonds de recherche du Québec – Santé	Cash	Réseau-1 Québec, Université de Montréal	Cash
Nova Scotia Health Authority	Cash/In-kind	Dept. of Family Medicine, Dalhousie University	Cash/In-kind
Vice President Research Office, Dalhousie University	Cash	Dept. of Community Health & Epidemiology, Dalhousie University	
Undergraduate Medical Education, Faculty of Medicine, Dalhousie University	In-kind	Dalhousie Medical Research Foundation	Cash
Doctors Nova Scotia	Cash/In-kind	Maritime SPOR SUPPORT Unit	In-kind

Learning Objectives

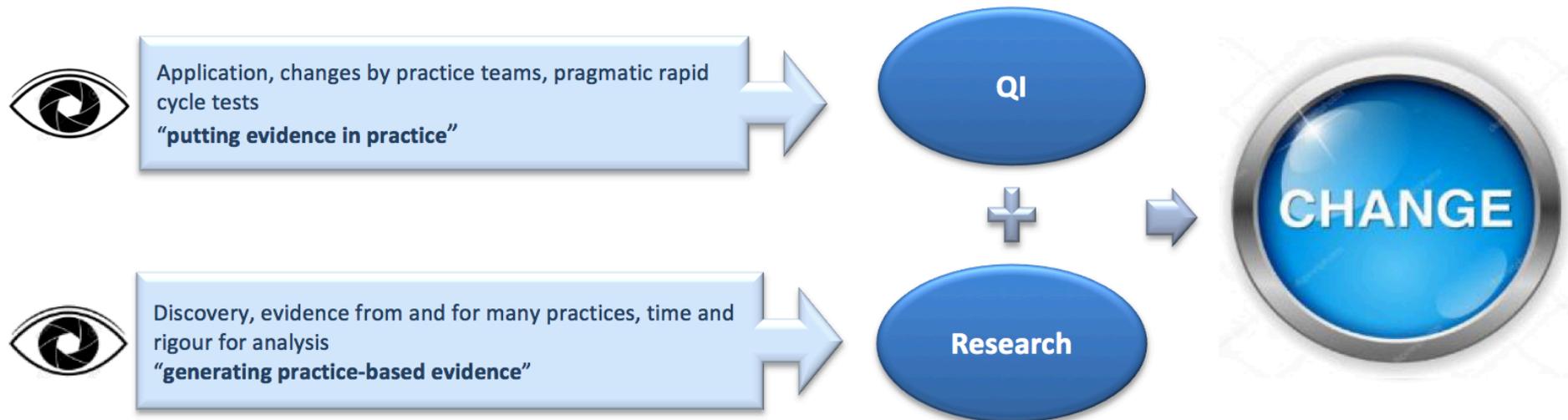
- Explore the integration of QI coaching, patient engagement, evidence-based tools, improvement methods, and team networking in the design of a research and quality improvement initiative
- Describe the design process for a large-scale national QI initiative focused on deprescribing for elderly patients
- Identify the learning collaborative elements designed for improvement success including access to a common QI pathway, evidence-based tools, patient-level data, and QI coaching

SPIDER Project Overview

Structured Process Informed by Data, Evidence & Research

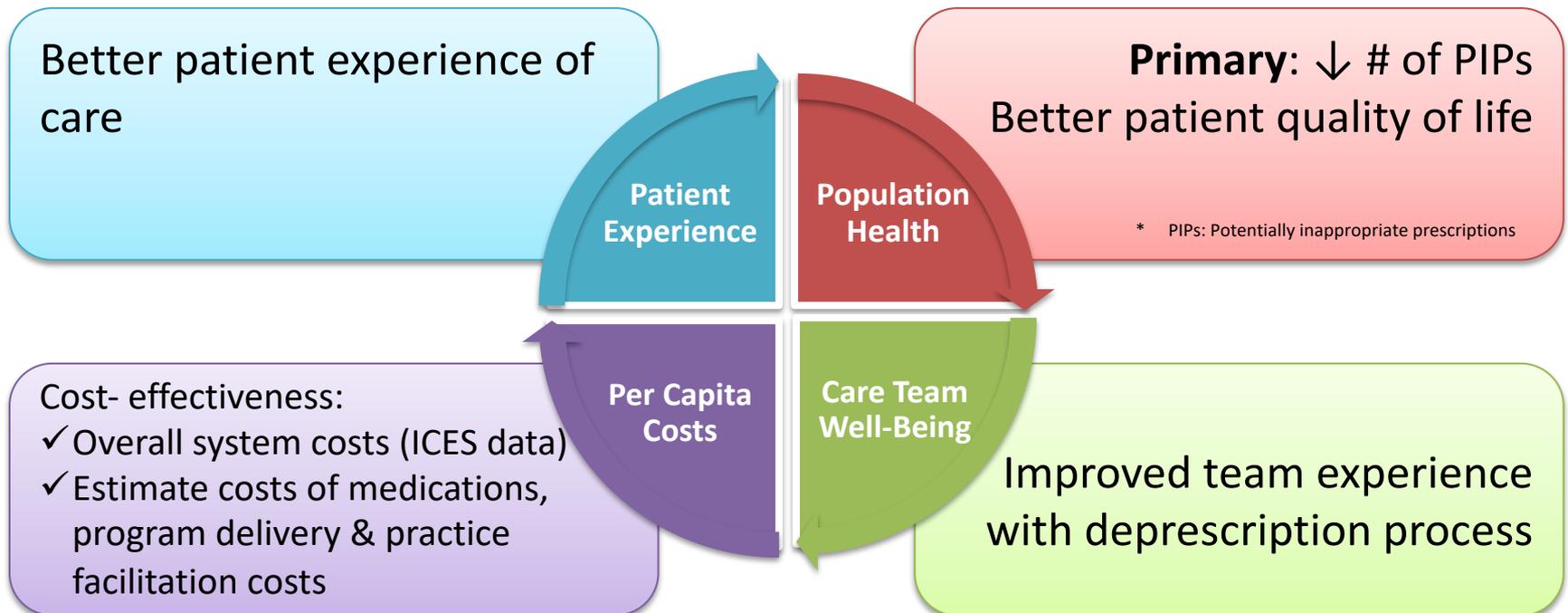
A QI-research collaboration:

- Collaboration between Q&I Program and UTOPIAN-PBRN at DFCM, University of Toronto
- Focus on **translating evidence into practice**



SPIDER Project Overview

- Objectives & Outcome Measures
 - To evaluate the impact of SPIDER on Quadruple Aim:



Designing for Improvement... *with good intent!*

Key Elements of SPIDER Approach	Principle Embodiment
<p>QI Learning Collaboratives</p> <ul style="list-style-type: none"> ○ Involving interprofessional teams (physicians, nurses, pharmacists, admin) ○ Engaging patient partners throughout the process ○ <i>'All teach, all learn'</i> 	<ul style="list-style-type: none"> ○ Patient-focused ○ Involvement of the team/community ○ Learning together
<p>Support of Practice Coaches/Facilitators</p> <ul style="list-style-type: none"> ○ Adapt/guide QI approach for practices ○ Build capacity for using improvement tools ○ Address sustainability to ensure lasting positive change for practices and patients ○ Facilitate inter-team communication and sharing 	<ul style="list-style-type: none"> ○ Continuous improvement
<p>Provision of validated and comparable EMR data for feedback and measurement</p>	<ul style="list-style-type: none"> ○ Use of data for decision making & learning

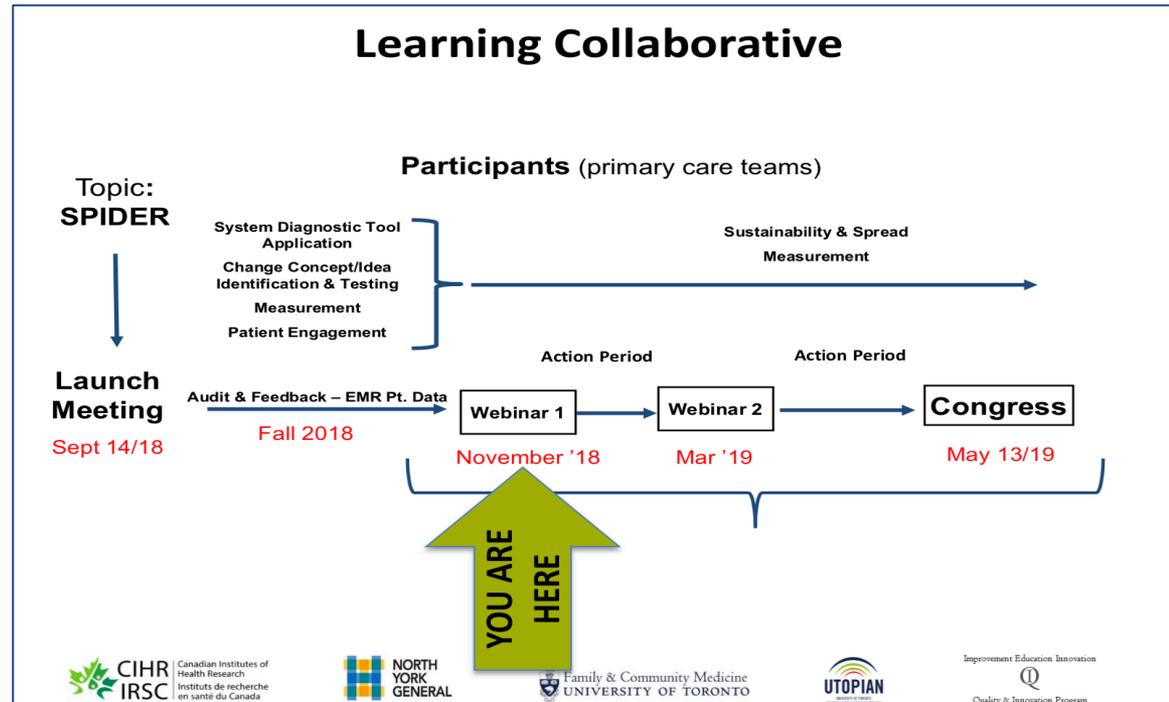
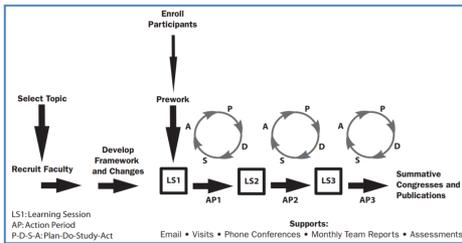
Just implement...

Evidence into practice enabler

Respect for team/patient context

Designing for improvement... *a tried & tested approach*

The Institute for Healthcare Improvement (IHI) Breakthrough Series Model



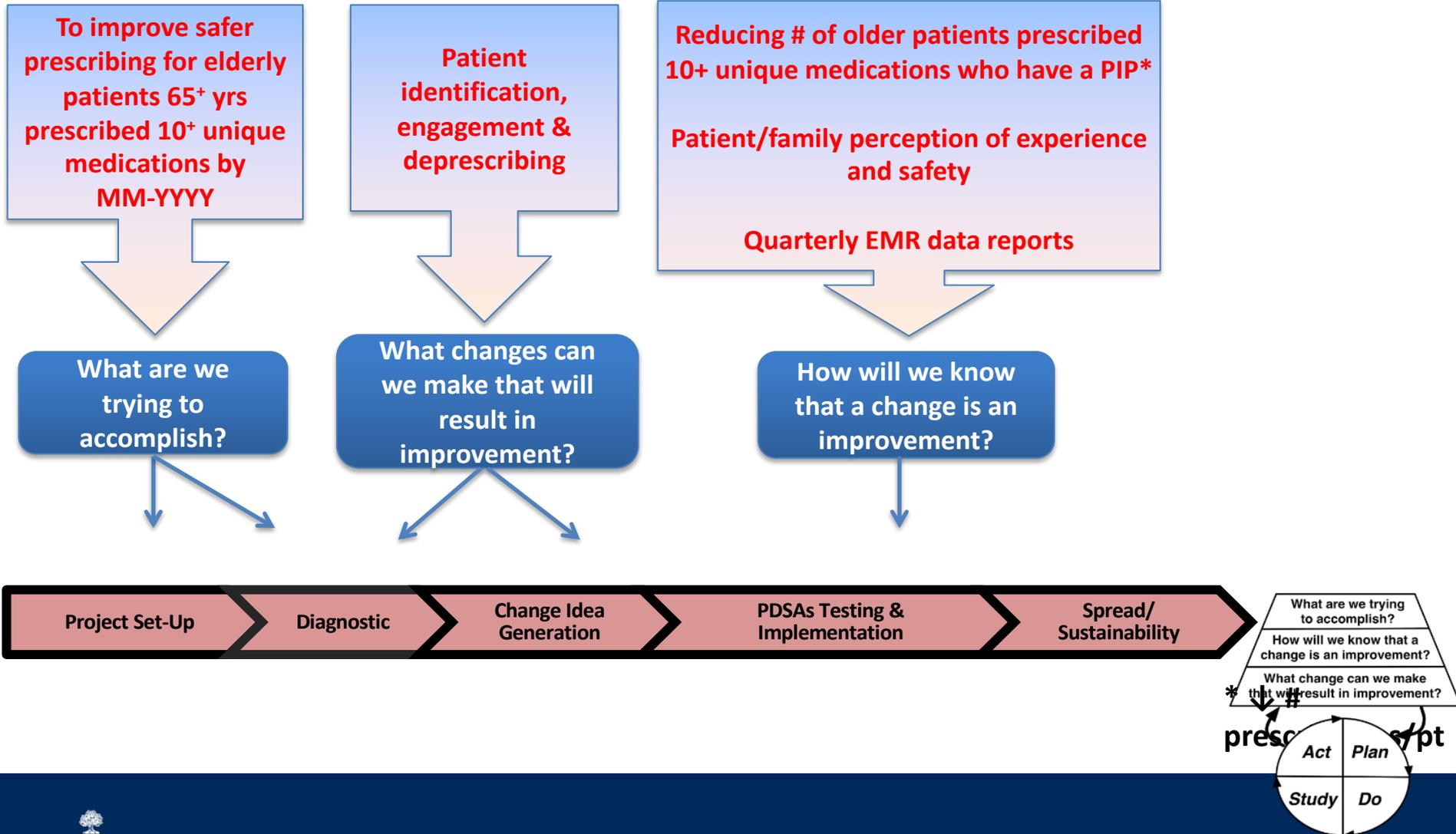
- A structure to enable inter-team networking, sharing, and QI knowledge and skill capacity building
- A process to facilitate learning between teams and from experts

Quality Improvement Coach

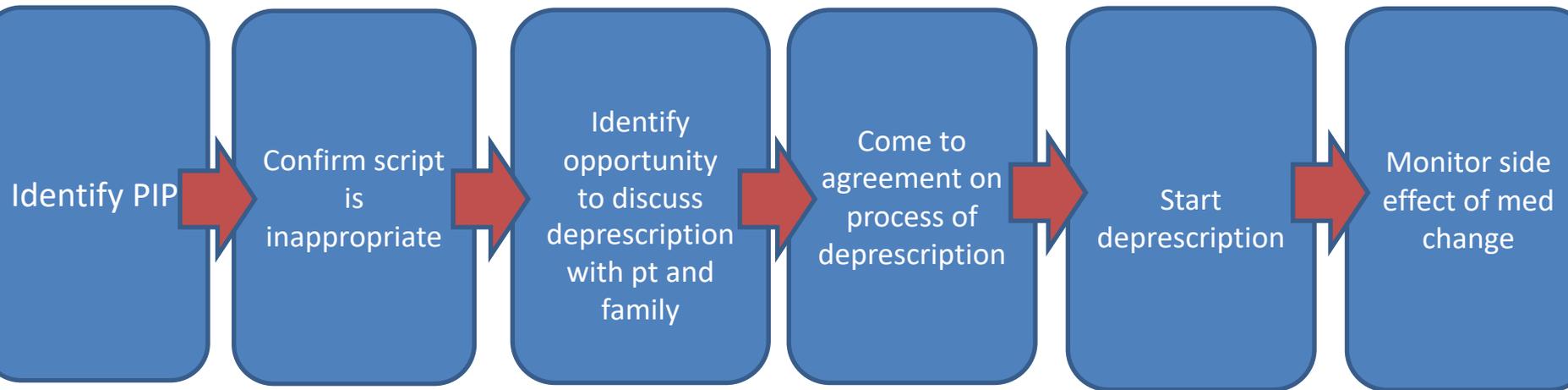
- QI Methodology Guidance & Capacity Building
 - System Diagnostic Tools
 - Patient Engagement
 - Measurement Interpretation & Display
 - Change Idea Generation
 - Testing Change
 - Sustainability/Spread Considerations
 - Sharing ideas from/with others
 - Amplifying your concerns/issues



Quality Improvement Methods



Quality Improvement Methods



Deprescribing Algorithms	Patient Education Materials	Deprescribing Toolkits	Webinars
PPI Antipsychotics Benzodiazepines Sulfonylurea	Patient resource for Use of PPI Treating dementia with Antipsychotics Sleeping pills in older adults PPI patient decision aid Deprescribing information pamphlets	Drowsy without feeling lousy (deprescribing Benzo toolkit) Bye Bye PPI (deprescribing PPI toolkit)	Deprescribing in Primary care (Choosing Wisely Canada) Shared decision making with pts (deprescribing.org)

* At any point in the process, a clinician may decide if the prescription is still required and process stops for that patient

Assessment for Sulfonylurea Deprescribing

Last DM Visit: _____ Original Prescriber: Choose item.
 Last HbA1C: _____ Current Provider: Choose item.
 Measured on: _____
 HbA1C target: _____
 At target: Choose item.

Diabetes Management

	Current	Stopped	N/A	Additional Details (e.g. current doses, adjustments, side-effects/intolerance)
Acarbose	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DPP4i	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GLP1RA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Insulin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Meglitimide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Metformin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SGLT2i	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sulfonylurea	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TZD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Symptoms of Hypoglycemia

No known hypoglycemic episodes
 Asymptomatic hypoglycemia
 Episodes requiring third party assistance

Other adverse effects:

Anxiety
 Palpitations
 Concentration issues
 Speech issues
 Confusion
 Sweating
 Dizziness
 Tingling
 Drowsiness
 Tremor
 Hunger
 Vision Changes
 Nausea
 Weakness

Please list previous deprescribing attempts and outcomes

Assessment and Plan

To the best of our knowledge, is the patient an appropriate candidate for sulfonylurea deprescribing? Yes No

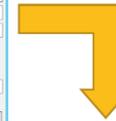
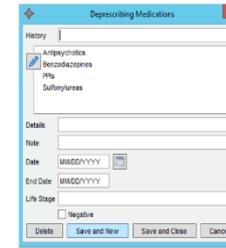
Please comment on rationale below:

If yes, discussion with patient about deprescribing was initiated, and Choose item.
 If patient is agreeable, next steps include:

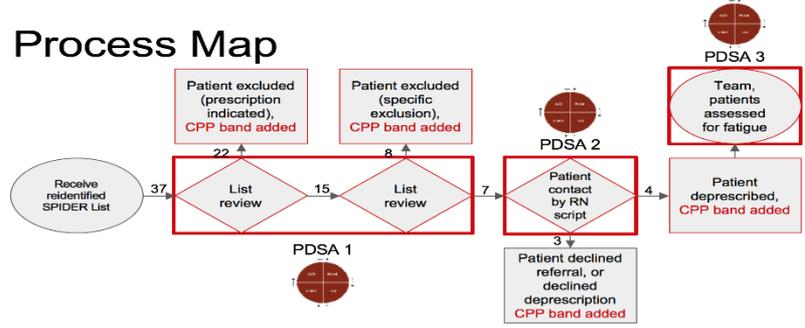
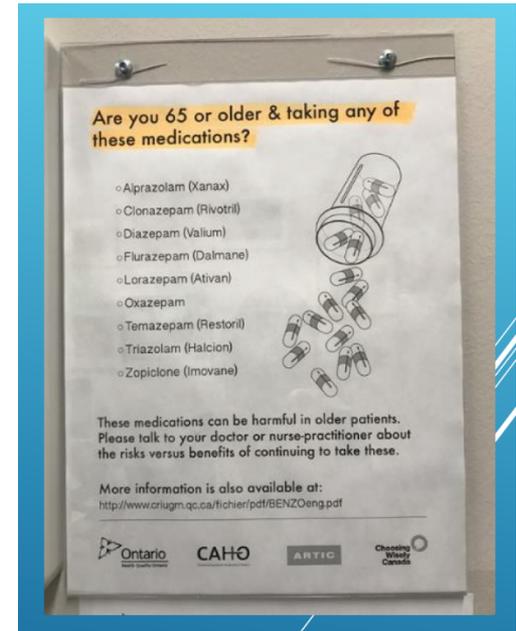
Follow-up booked
 Patient resources provided, [infoGraphic](#) and [handout](#) from [deprescribing.org](#)

Resources for providers

[Deprescribing Algorithm](#)
[Quick Practice Guidelines](#)



HISTORY	Antipsychotics	Benzodiazepines	PIs	Sulfonylureas
	Deprescribing N/A - DM 5 diagnosed	Deprescribing N/A - Alcohol withdrawal	Deprescribing N/A - Barret's esophagus	Deprescribing N/A - Tired and failed
	Deprescribing N/A - Tired and failed	Deprescribing N/A - Sleeping disorder	Deprescribing N/A - Chronic NSAID user with bleeding risk	Deprescribing N/A
	Deprescribing N/A	Deprescribing N/A - Specifically for anxiety	Deprescribing N/A - Documented hx of bleeding GI ulcer	Had discussion - Pt. Agreed
	Had discussion - Pt. Agreed	Deprescribing N/A - Unmanaged anxiety/depression	Deprescribing N/A - Severe esophagitis	Had discussion - Pt. Contemplating
	Had discussion - Pt. Contemplating	Deprescribing N/A - Tired and failed	Deprescribing N/A - Tired and failed	Had discussion - Pt. Declined
	Had discussion - Pt. Declined	Deprescribing N/A	Deprescribing N/A	Has discussion
	Has discussion	Had discussion - Pt. Agreed	Had discussion - Pt. Agreed	Initiated deprescribing - See form
	Initiated deprescribing - See form	Had discussion - Pt. Contemplating	Had discussion - Pt. Contemplating	Deprescribing success
	Deprescribing success	Had discussion - Pt. Declined	Had discussion - Pt. Declined	
		Has discussion	Has discussion	
		Initiated deprescribing - See form	Initiated deprescribing - See form	
		Deprescribing success	Deprescribing success	



Designing for Improvement... *reflections*

- 1st feasibility site in national project
- Fair degree of capacity for QI work
- Varied teams and practices (solo practices, team-based, community health centres)
- The sustainability question - *'a pharmacist is key!'*
- Patient engagement is at the centre of this work
- Teams respectful & engaged



Designing for Improvement... *did we get it right?*

- A deprescribing project ought to result in fewer meds but is that the only mark of success?
- EMRs are a *'helpful pain'*!
- Challenges in engaging/supporting community colleagues
- Perhaps it is true that *'all data is useless but some is helpful!'*
- Did the work contribute to improved patient safety (awareness)?
- Is there a risk of optimizing one part of the system and risking all!

Thank you!

