Community Pharmacist Intervention to Address Lower Urinary Tract Symptoms in Older Adults: Progress of A Randomized Controlled Trial

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Introduction

Our previous research [Duong 2019] in Alberta found that:

LUTS is common

More than half (55%) of community dwelling older adults report LUTS

LUTS is burdensome

- 73% of those with LUTS found it inconvenient
- Medical complications, stigma, social isolation, etc.

LUTS is not addressed

75% had not consulted any HCP

Pharmacists can address LUTS

- Most accessible healthcare provider
- Knowledgeable and trained in LUTS
- Scope of practice in Alberta is broad and allows for assessment, prescribing, and a role in public health
- Previous research demonstrates pharmacist impact for other disease states

Methods and Materials

•Design: RCT

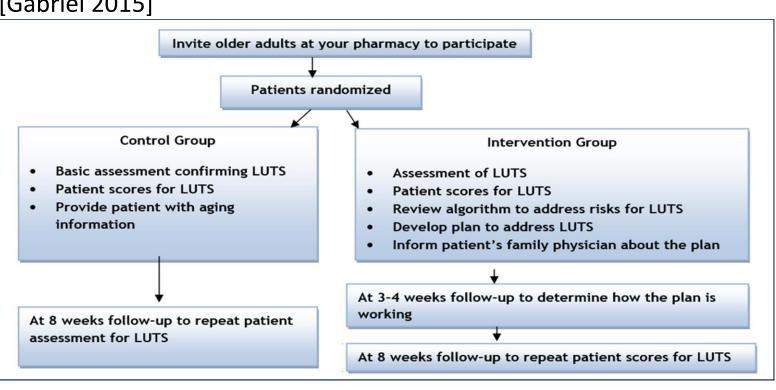
•Setting: Community pharmacies (Edmonton and surrounding area, Red

Deer, Alberta)

•Participants: Age 60y+ with LUTS

Intervention: Pharmacist assessment and plan implementation

[Gabriel 2015]



•Outcomes:

- Primary: Patient Perception of Bladder Condition (PPBC)
- Secondary: Bladder Self-Assessment Questionnaire (B-SAQ)
- Secondary: International Consultation on Incontinence Questionnaire (ICIQ-SF)
- Feasibility
- Health System Use

Results

Study Challenges (2020-2022)

•COVID

- Pharmacy Impact
- Staffing shortages
- Diversion to testing
- Diversion to vaccinations
- Study Impact
- Change from in-person to online study
- Study halted due to pandemic

Predictable

Seasonal demands (e.g. vacations, influenza) Other pharmacy practice research studies 'Easier', less demanding studies

Study Relaunch (2022-2023)

Broader recruitment of pharmacies

- •Initial selection of few pharmacies, one chain
- •Shift to broader engagement, multiple pharmacies
- Invitation to Primary Care Network pharmacists

Student invitation

- •4th year pharmacy students who are/will be on rotation are invited to participate
- Students trained/oriented
- •Encourage students to engage their preceptors
- •Summer students hired to assist at pharmacies for recruitment

Regular communications

•Frequent communications, site visits

Context

- •Alberta has 4137 pharmacies and 6136 pharmacists
- •N=27 pharmacists registered for the study
- •n=15 pharmacy students were trained; 2 pharmacy students hired provided most of the recruitment and support for the pharmacists



Discussion and Conclusions

Pharmacist engagement

- Some pharmacists are interested in managing LUTS
- Some pharmacists are interested but did not prioritize the study or had feasibility challenges which were overcome in most cases by having a trained research assistant present
- Engaging students can motivate pharmacists

Community-based research

- Ongoing communication and relationships appear to be critical to success for this project and likely others
- Regular visits and connecting with the busy, overworked, but well-meaning pharmacists was motivating

LUTS case finding and management

- PILUTS is complex, some pharmacists not able to conduct the assessments
- Geriatrics syndromes are mutli-factorial and have many avenues for intervention
- Previous community pharmacy projects have focused on one disease with a more linear approach to intervention

Conclusion:

- Pharmacists are able to recruit patient and administer a study to assess and intervene on LUTS, but they require support.
- Many pharmacists are not engaged to participate in providing care for LUTS which requires further study to determine the causes for this gap in practice.

References

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