# Pharmacists' Interventions in an Interdisciplinary Memory Clinic: A Retrospective Review

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### **BACKGROUND**

- The prevalence of Alzheimer's disease/Related Dementia is increasing dramatically worldwide<sup>1</sup>
- Clinicians are faced with many challenges when managing Alzheimer's patients<sup>1</sup>
- Pharmacists valuable in assessing and optimizing medications
- There is a paucity of literature describing activities performed by pharmacists for cognitively impaired patients.<sup>2</sup>
- The Centre for Family Medicine (CFFM) Family Health Team (FHT) Memory Clinic (MC) in Kitchener Ontario operates 3-4 days a month, and is involved in training other memory clinics in FHTs across Ontario

### **OBJECTIVES**

#### **Primary Objective:**

To classify pharmacist activities and Interventions performed in an Interdisciplinary Primary Care Memory Clinic (PCMC).

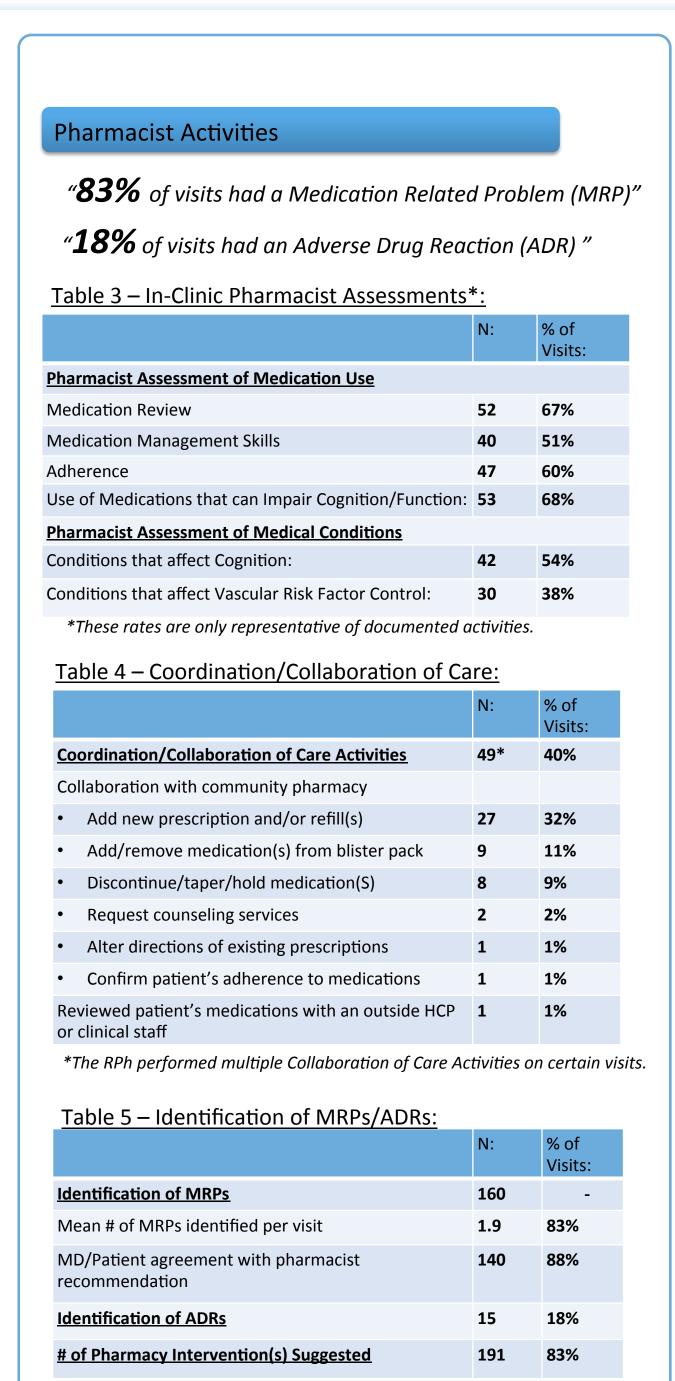
# **METHODS**

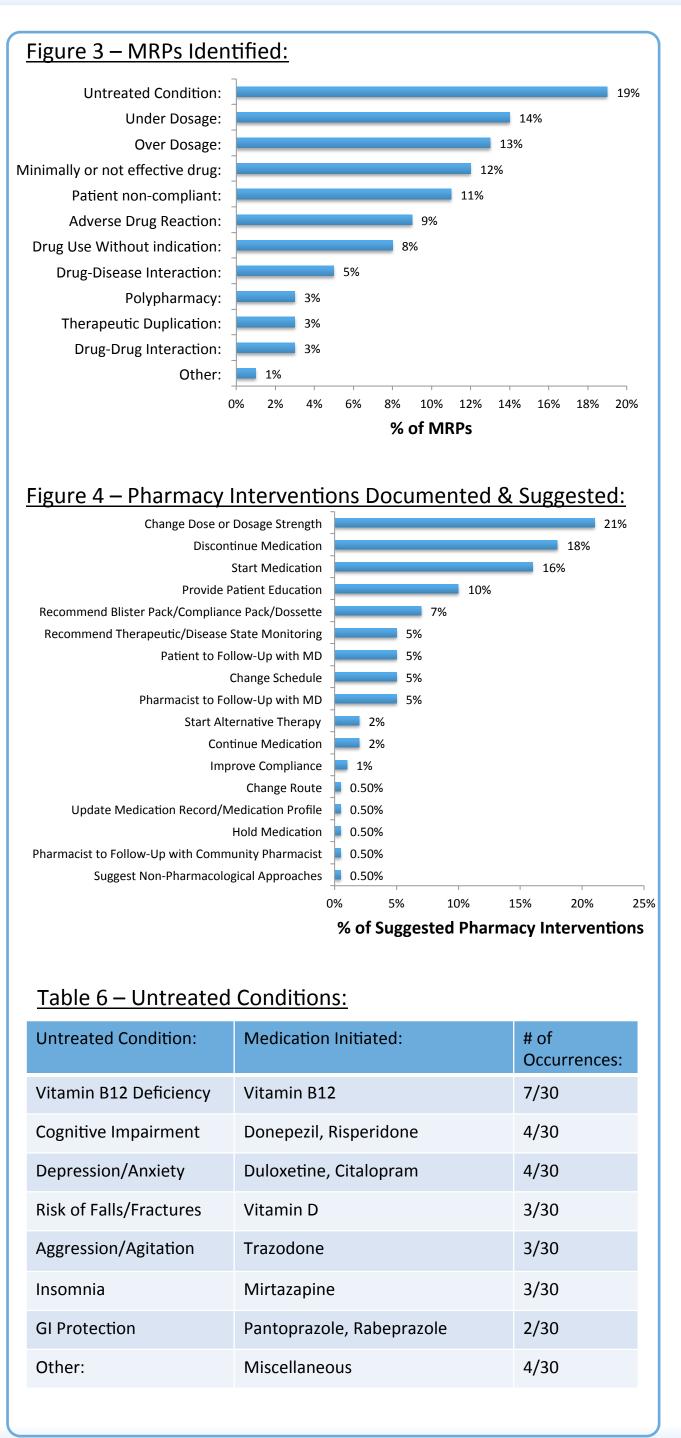
- Retrospective medical records review of patients assessed at the CFFM FHT MC
- **Inclusion Criteria:** 
  - Minimum one documented note by PCMC clinical pharmacy staff
  - Note must be in context of memory clinic
  - Visit from January 2010 to December 2015
- Data Abstracted from visits with documented pharmacy note:
  - Demographics
  - Past Medical History
  - Diagnosis of Dementia-Related Conditions
  - Medications
  - Medication Related Problems
  - Pharmacist Activities
- Cognitive Testing Scores

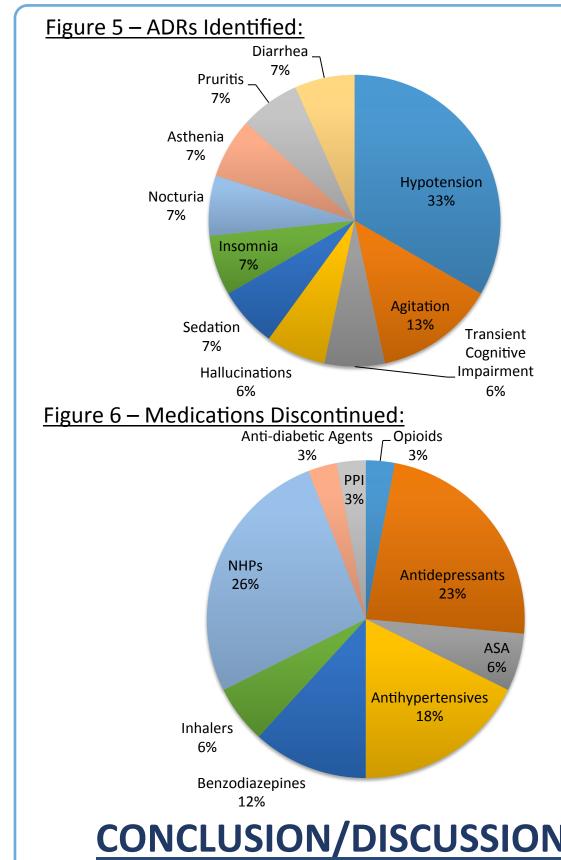
#### **RESULTS** Demographics Figure 1 – Selection Process: Patients seen at Memory Clinic from 1/1/2010 to 12/31/2015: N=512 Patients Excluded: N=168 Patients included: N=344 Patients with at least one visit in 2015: N= 133 **Current Progress: N=35** (85 Visits) Selected by Alphabetical Order from A to Z (Last Names: A to F) Patients with >1 visit from CFFM RPh: Patients with only 1 visit from CFFM RPh **N=17** (17 Visits) **N=18** (68 Visits) Table 1 – Demographics: Parameter: 35 # of Patients # of Females/Males **24/11** 69%/31% Age at Time of Initial Visit # of Memory Clinic Visits (Range: 58-90) # of Visits with Pharmacist Documentation (SD=2.2)Mean # of Times seen by CFFM MC RPh/patient 21 Mean MoCA Score at Initial Visit Table 2 – Medication Use\*: SD: Mean: 3.4 **Total Meds** 7.2 **Prescription Meds** 2.7 4.4 0.76 OTC Meds 0.74 2.1 2.1 Figure 2 – Most Frequent Medication Classes Used\*

\*These values were taken from a subgroup of patient visits (n=38)

where all medications were explicitly listed in the Pharmacist Note







# CONCLUSION/DISCUSSION

- Pharmacists play a significant role in identifying MRPs, improving medication management skills, and suggesting pharmacy interventions
- PCMC Pharmacists act as point of contact with community pharmacies to call in new prescriptions, refills, dose changes and compliance packaging requests
- Only 10% of the full study population was examined
- Study does not account for undocumented activity by pharmacists – under-reporting of pharmacist activity

## **REFERENCES**

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- 2. Rojas-Fernandez CH, Patel T, Lee L. An interdisciplinary memory clinic: a novel practice setting for pharmacists in primary care. The Annals of pharmacotherapy. Jun 2014;48(6):785-795.

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