

## Impact of Policy Changes on the Delivery of Community Medication Review Services **Among Adults with Diabetes in Ontario**



**Ontario Graduate** 

Scholarship

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Month

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## Background Diabetes Metabolic disorder characterized by hyperglycemia If left untreated, hyperglycemia is associated with various complications A complicated condition to manage: Health/life-style, glucose monitoring, and medications Ontario MedsCheck Program Pharmacists improve diabetes health outcomes Medication review services provided by Apr 1, 2007 Oct 1, 2016 community pharmacists in Ontario: MedsCheck **Policy Change** MedsCheck Annual 一 3+ Chronic **MedsCheck Diabetes** Medications

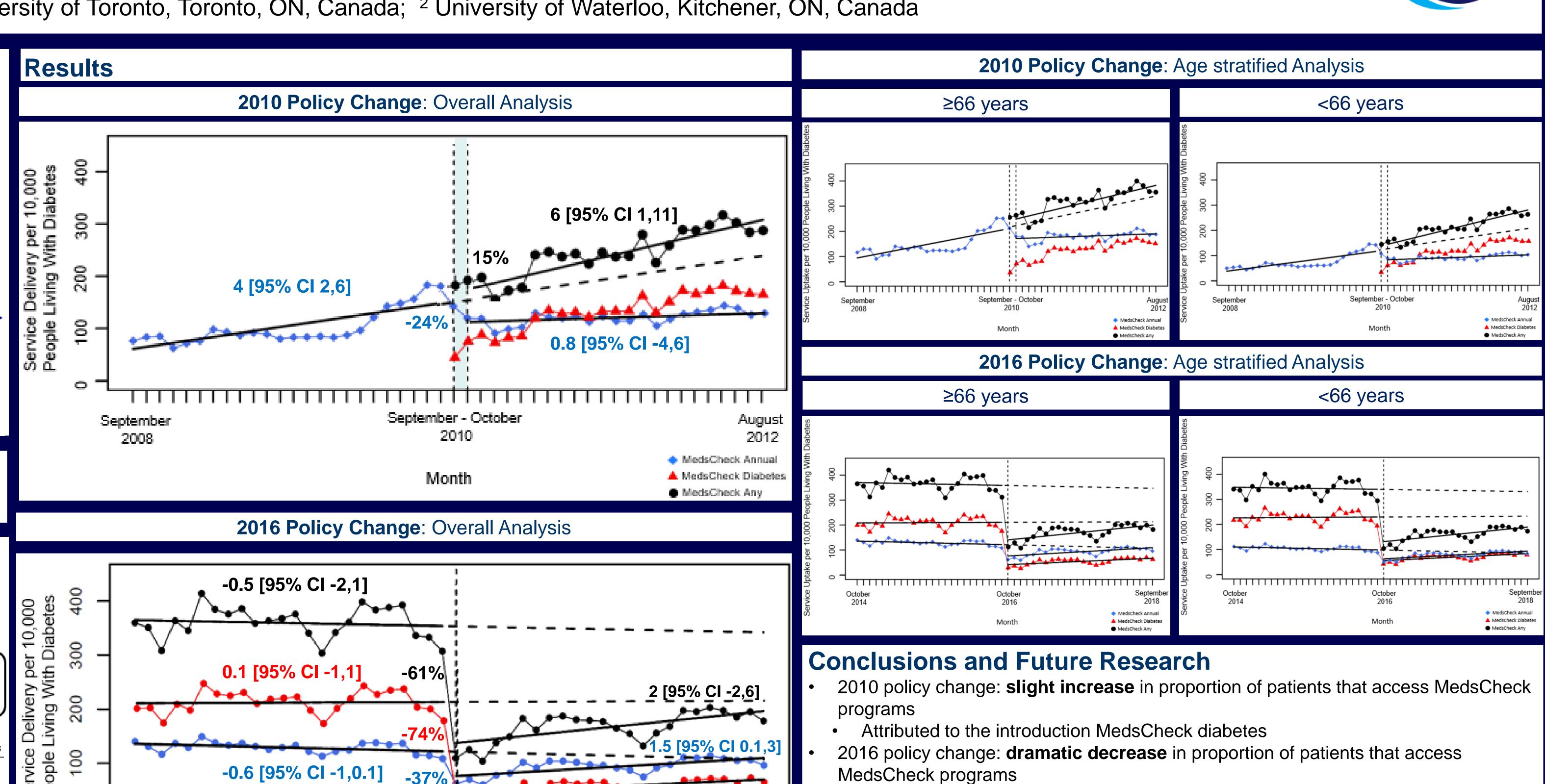
Objective Describe and examine the impact of policy changes (2010 and 2016) on the proportion of patients with diabetes that receive MedsCheck services

## Methods (extracted birth Discharge Administrative healthcare data at ICES: Ontario Diabetes Database Sensitivity: 90% Positive-Predictive Value: 91% Ontario Drug Diabetes Benefit Database Monthly proportion of patients with diabetes that receive MedsCheck # with diabetes accessing MedsChecks Proportion accessing services: MedsCheck services per month # living with diabetes that month

Interrupted time series analysis (segmented linear regression) examined the impact of the policy changes on the proportion of patients living with diabetes that access MedsCheck services

 $y = \beta_0 + \beta_1 \times time + \beta_2 \times policy \ change + \beta_3 \times time \ after + e$ 

Analyses were also stratified by patients ≥66 and <66 years of age</li>



1.1 [95% CI -2,4]

MedsCheck Annua

MedsCheck Any

MedsCheck Diabetes

August

Possibility of displacement

Acknowledgements

Future research should aim to describe impact of policy changes on the

characteristics of patients with diabetes that receive MedsCheck services

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