

Supplementary Table 1. ICES data linkage details and dataset justification.

Dataset Name	Description	Purpose for study
CPDB	Corporate Provider Database - information on providers/groups eligible to receive payment from OHIP	Cohort creation, cohort description
IPDB	ICES Physician Database - yearly information about all physicians in Ontario	Cohort creation, cohort description
PCCF	Postal Code Conversion File - converts any Canadian postal code to StatCan standard geographical areas	Cohort description, covariate definition
REF	Reference Files – geographical information	Cohort description, covariate definition
DAD	Discharge Abstract Database	Outcome definition
NACRS	National Ambulatory Reporting System	Outcome definition
NRS	National Rehabilitating Reporting System	Cohort description
ODB	Ontario Drug Benefit	Cohort description, exposure definition
OHIP	Ontario Health Insurance Plan	Cohort description
OMHRS	Ontario Mental Health Reporting System	Outcome definition
NMS	Narcotics Monitoring System	Outcome definition
CAPE	Client Agency Program Enrolment – rostering to primary health services	Cohort description
CENSUS	Ontario Census Area Profiles	Cohort description
RPDB	Registered Persons Database – vital statistics	Cohort creation, cohort description

Supplementary Table 2. List of benzodiazepines used in analysis.

Alpraz
Bromazepam
Clobazam
Clonazepam
Diazepam
Flurazepam
Lorazepam
Oxazepam
Ativan

Chlordiazepoxide
Diastat
Alprazolam
Librax
Midazolam
Mogadon
Restoril
Rivotril
Temazepam
Triazolam
Xanax