

Variable Name	Source of Data	Description	Included in Propensity Score Model	Variable Name in Database	Values and Database Codes
Main Comparison Groups					
FEMAP-User	Primary data from FEMAP program	User of FEMAP services, defined based on linked database from program which included data on program clients.	Yes (dependent variable)	N/A	All people in the cohort who are also represented in the FEMAP data are classified as a FEMAP-user (1), and all remaining cohort members are classified as a non-user (0)
Baseline Socio-Demographic Characteristics					
Age at Index Date	RPDB	Age at index date	Yes	BDATE	Continuous variable calculated based on index date and birth date
Gender	RPDB	Recorded sex	Yes	SEX	1 = Male 2 = Female
Rural Residence	RPDB	Rural place of residence, defined using the Rurality Index of Ontario. Areas with score of 40 or above are considered rural.	Yes	RIO2008	1 = Rural 0 = Non-Rural
Resides Outside of Catchment Area	RPDB	Whether the patient resides outside of the EPI catchment area, based on list of postal codes for EPI program catchment area	Hard Matched	PSTLCODE	1 = Yes 2 = No
Residential Instability	ONMARG	Neighbourhood-level indicator of residential instability constructed based on census data	Yes	INSTABILITY_Q_CSD	1 = Least Marginalized 5 = Most Marginalized
Deprivation	ONMARG	Neighbourhood-level indicator of material deprivation constructed based on census data	Yes	DEPRIVATION_Q_CSD	1 = Least Marginalized 5 = Most Marginalized
Ethnic Concentration	ONMARG	Neighbourhood-level indicator of ethnic concentration constructed based on census data	Yes	ETHNICCON_Q_CSD	1 = Least Marginalized 5 = Most Marginalized
Dependency	ONMARG	Neighbourhood-level indicator of social dependency constructed based on census data	Yes	DEPENDENCY_Q_CSD	1 = Least Marginalized 5 = Most Marginalized
Income Quintile	RPDB	Neighbourhood-level income quintile	Yes	INCQUINT	1 = Lowest Income Quintile 5 = Highest Income Quintile
Migrant Status	IRCC	Migrant status for first-generation immigrants and refugees (since 1985)	Yes	CATEG	0 = Non-Migrants (Not Included in IRCC Database) 1 = Immigrant (All Codes not Listed Below) 2 = Refugee (020-029,031-034,037,047-049,052-055,080,086-089,094-095,120-142,153)

Variable Name	Source of Data	Description	Included in Propensity Score Model	Variable Name in Database	Values and Database Codes
Baseline Service-Use Characteristics					
Index Diagnosis	DAD, OMHRS, OHIP, NACRS	Diagnostic category of index diagnosis	Yes	DXCODE, DX10CODE (DAD) AXIS1_DSM4CODE_DISCH1 (OMHRS) DXCODE (OHIP) DX10CODE1 (NACRS)	1 = Mood Disorder (DSM-IV = 296.X, 300.4, 301.13; ICD-10 = F3; OHIP = 296, 311) 2 = Anxiety Disorder (DSM-IV = 300.X, 308.X, 309.X; ICD-10 = F4; OHIP = 300, 309)
Year	DAD, OMHRS, OHIP, NACRS	Year of index diagnosis	Hard Matched	DDATE (DAD, OMHRS) SERVDATE (OHIP) REGDATE (NACRS)	N/A
Age at First Mood or Anxiety Diagnosis	RPDB	Age at first ever diagnosis of a mood or anxiety disorder, either outside of the case ascertainment window or prior to meeting our case definition	Yes	BDATE	Continuous variable calculated based on date of first ever mood or anxiety disorder and birth date
Age at First Mental Health Diagnosis	RPDB	Age at first ever diagnosis of a mental disorder	Yes	BDATE	Continuous variable calculated based on date of first ever diagnosis of mental disorder (DSM-IV = 291.X, 292.X, 295.X-319.X; ICD-10 = F codes; Any OMHRS contact; OHIP = 291, 292, 295-319) and birth date
Discordant Diagnosis	OHIP, NACRS	If diagnosis based on physician or emergency department visits, whether the diagnostic category was discordant across the diagnoses	No	See description of Index Diagnosis	1 = Discordant Diagnoses 0 = Concordant Diagnoses
Source of Index Diagnosis	DAD, OMHRS, OHIP, NACRS	Source of the index diagnosis of mood or anxiety disorder	Hard Matched	DXCODE, DX10CODE (DAD) AXIS1_DSM4CODE_DISCH1 (OMHRS) DXCODE (OHIP) DX10CODE1 (NACRS) SPEC (OHIP) PRVSERV1-10 (NACRS)	1 = Inpatient 2 = Psychiatrist or FEMAP 3 = Other Physician or ED
Prior Alcohol Related Disorder	DAD, OMHRS, OHIP, NACRS	Whether person had contact with services for alcohol-related disorders prior to the index date.	Yes	DXCODE, DX10CODE (DAD) AXIS1_DSM4CODE_DISCH1 (OMHRS) DXCODE (OHIP) DX10CODE1 (NACRS)	1 = Prior contact with services for alcohol-related disorders (ICD-10 = F10; ICD-9 = 291.X, 303.X, 305.0) 0 = No prior contact with services for alcohol-related disorders

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Prior Substance Related Disorder	DAD, OMHRS, OHIP, NACRS	Whether person had contact with services for substance-related disorders prior to the index date.	Yes	DXCODE, DX10CODE (DAD) AXIS1_DSM4CODE_DISCH1 (OMHRS) DXCODE (OHIP) DX10CODE1 (NACRS)	1 = Prior contact with services for substance-related disorders (ICD-10 = F11-F19, F55; ICD-9 = 292.X, 304.X, 305.2-305.9) 0 = No prior contact with services for alcohol-related disorders
Patient Covered by Ontario Drug Benefit Program	ODB	Whether the person was covered by the Ontario Drug Benefit program, which pays for prescription medications for people on social assistance or disability support programs.	Yes	IKN	1 = Covered by ODB 0 = Not covered by ODB
Family Physician Contact in Previous 6 Months	OHIP	Any primary care visit for a mental health reason in the previous 6 months, defined as all mental health service codes and general service codes with a mental health diagnostic code.	Yes	Algorithm Description: Med Care:42(10),960-965	1 = Contact with Family Physician 0 = No Contact with Family Physician
Psychiatrist Contact in Previous 6 Months	OHIP	Any outpatient psychiatry visit in the previous 6 months	Yes	SPEC	1 = Contact with Psychiatrist (00064, 00065) 0 = No Contact with Psychiatrist
Emergency Department Visit in Previous 6 Months	NACRS	Any emergency department visit for a mental health reason in the previous 6 months	Yes	DX10CODE1	1 = Emergency Department Visit (ICD-10 = All F codes; ICD-9 = 291.x,292.x,and 295.x-319.x; Transfers excluded) 0 = No Emergency Department Visit
Psychiatric Hospitalization in Previous 6 Months	DAD, OMHRS	Any hospitalization in the previous 6 months with a primary discharge diagnosis of a mental disorder	Yes	DXCODE, DX10CODE (DAD) AXIS1_DSM4CODE_DISCH1 (OMHRS)	1 = Psychiatric Hospitalization (ICD-10 = All F Codes; ICD-9 = 291.x, 292.x, and 294.x-319.x; OMHRS = All hospitalizations EXCEPT 293.X, 780.X, 290.X, 294.X, and V codes) 0 = No Psychiatric Hospitalization
Total Psychiatric Hospital Days in Previous 6 Months	DAD, OMHRS	Total number of psychiatric hospital days in the previous 6 months	Yes	LOS	Continuous variable

Variable Name	Source of Data	Description	Included in Propensity Score Model	Variable Name in Database	Values and Database Codes
Outcome Variables					
Contact with Primary Care	OHIP	Any primary care visit for a mental health reason after EPI admission, defined as all mental health service codes and general service codes with a mental health diagnostic code.	No	Algorithm Description: Med Care:42(10),960-965	1 = Contact with Family Physician 0 = No Contact with Family Physician
Contact with Psychiatrist	OHIP	Any outpatient psychiatry visit after FEMAP admission	No	SPEC	1 = Contact with Psychiatrist (00064, 00065) 0 = No Contact with Psychiatrist
Emergency Department Visits	NACRS	Any emergency department visit for a mental health reason after FEMAP admission	No	DX10CODE1	1 = Emergency Department Visit (ICD-10 = All F codes; ICD-9 = 291.x,292.x,and 295.x-319.x; Transfers excluded) 0 = No Emergency Department Visit
Psychiatric Hospitalizations	DAD, OMHRS	Any hospitalization after FEMAP admission with a primary discharge diagnosis of a mental disorder	No	DXCODE, DX10CODE (DAD) AXIS1_DSM4CODE_DISCH1 (OMHRS)	1 = Psychiatric Hospitalization (ICD-10 = All F Codes; ICD-9 = 291.x, 292.x, and 294.x-319.x; OMHRS = All hospitalizations EXCEPT 293.X, 780.X, 290.X, 294.X, and V codes) 0 = No Psychiatric Hospitalization
Involuntary Admission	DAD, OMHRS, OHIP	Any involuntary admission after FEMAP admission, including involuntary status in the emergency department and involuntary hospitalization	No	ADMMETH (DAD) PT_STATUS (OMHRS) FEEDCODE (OHIP)	1 = Involuntary Admission (ADMMETH = D, E; PT_STATUS = 1, 4; FEEDCODE = K623, K624)
Self-Harm Behaviour	NACRS	Any ED visit for self-harm after FEMAP admission	No	DX10CODE1	1 = Self-Harm Behaviour (ICD9 = E950-E959; ICD 10 = X60-X84) 0 = No Self-Harm Behaviour
Suicide	ORGD	Death by suicide after FEMAP admission	No	SUICIDE, DX9CODE, EALIVE, DX10CODE1-25, DISCHDISP (DAD) DISCHREASON (OMHRS) DX10CODE1-10, VISDISP2002 (NACRS) COD (ORGD)	1 = Suicide <ul style="list-style-type: none"> • DAD: <ul style="list-style-type: none"> i. SUICIDE = 1, or ii. DX9CODE = E950-E959 and EALIVE = X, or iii. DX10CODE1-25 = X60-84 and DISCHDISP = 07 • OMHRS: DISCHREASON (X90) = 2 • NACRS: DX10CODE1-10 = X60-84 and VISDISP2002 = 10 or 11 • ORGD: COD = E950-E959 0 = No Suicide
All-Cause Mortality	ORGD	Death by any cause after FEMAP admission	No	DTHDATE	1 = Death after EPI admission 0 = Alive