

Variable Name	Source of data	Description	Variable Name in Database	Values and Database Codes
Main Comparison Groups				
EPI-User	Primary data from EPI program	User of PEPP services, defined based on linked database from program which included data on program clients and psychiatrists.	N/A	All people in the cohort who are also represented in the PEPP data are classified as an EPI-user (1), those who were not in the EPI data but had been seen by an EPI psychiatrist are classified as screened (2), 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	BDATE	Continuous variable calculated based on index date and birth date
Gender	RPDB	Recorded sex	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.	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	PSTLCODE	1 = Yes 2 = No
Residential Instability	ONMARG	Neighbourhood-level indicator of residential instability constructed based on census data	INSTABILITY_Q_CSD	1 = Least Marginalized 5 = Most Marginalized
Deprivation	ONMARG	Neighbourhood-level indicator of material deprivation constructed based on census data	DEPRIVATION_Q_CSD	1 = Least Marginalized 5 = Most Marginalized
Ethnic Concentration	ONMARG	Neighbourhood-level indicator of ethnic concentration constructed based on census data	ETHNICCON_Q_CSD	1 = Least Marginalized 5 = Most Marginalized
Dependency	ONMARG	Neighbourhood-level indicator of social dependency constructed based on census data	DEPENDENCY_Q_CSD	1 = Least Marginalized 5 = Most Marginalized
Income Quintile	RPDB	Neighbourhood-level income quintile	INCQUINT	1 = Lowest Income Quintile 5 = Highest Income Quintile
Migrant Status	IRCC	Migrant status for first-generation immigrants and refugees (since 1985)	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	Variable Name in Database	Values and Database Codes
Baseline Service-Use Characteristics				
Index Diagnosis	DAD, OMHRS, OHIP, NACRS	Diagnostic category of index diagnosis	DXCODE, DX10CODE (DAD) AXIS1_DSM4CODE_DISCH1 (OMHRS) DXCODE (OHIP) DX10CODE1 (NACRS)	1 = Schizophrenia & Schizoaffective Disorder (ICD-9 = 295.X; ICD-10 = F20, F25) 2 = Delusional Disorder (ICD-9 = 297.X; ICD-10 = F22, F24) 3 = Other Psychoses (ICD-9 = 298.X; ICD-10 = F23, F28, F29)
Year	DAD, OMHRS, OHIP, NACRS	Year of index diagnosis	DDATE (DAD, OMHRS) SERVDATE (OHIP) REGDATE (NACRS)	N/A
Discordant Diagnosis	OHIP, NACRS	If diagnosis based on physician or emergency department visits, whether the diagnostic category was discordant across the diagnosis	See description of Index Diagnosis	1 = Discordant Diagnoses 0 = Concordant Diagnoses
Diagnosing Physician	DAD, OMHRS, OHIP, NACRS	Specialty of physician making the index diagnosis	SPEC (OHIP) PRVSERV1-10 (NACRS)	1 = Family Physician (00001) 2 = Psychiatrist (00064, 00065; All claims from DAD and OMHRS) 3 = Family Physician + Psychiatrist (see above) 4 = Other (all other codes)
Inpatient at Index Diagnosis	DAD, OMHRS, OHIP, NACRS	Measured as a dichotomous outcome, whether individuals are inpatients at time of index diagnosis	N/A	1 = Inpatient at Index Diagnosis (source DAD or OMHRS) 0 = Outpatient at Index Diagnosis (source OHIP or NACRS)
Prior Alcohol Related Disorder	DAD, OMHRS, OHIP, NACRS	Whether person had contact with services for alcohol-related disorders prior to the index date.	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
Prior Substance Related Disorder	DAD, OMHRS, OHIP, NACRS	Whether person had contact with services for substance-related disorders prior to the index date.	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

Variable Name	Source of data	Description	Variable Name in Database	Values and Database Codes
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.	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	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	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	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	LOS	Continuous variable
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.	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 EPI admission	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 EPI admission	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 EPI admission with a primary discharge diagnosis of a mental disorder	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

Variable Name	Source of data	Description	Variable Name in Database	Values and Database Codes
Involuntary Admission	DAD, OMHRS, OHIP	Any involuntary admission after EPI admission, including involuntary status in the emergency department and involuntary hospitalization	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 EPI admission	DX10CODE1	1 = Self-Harm Behaviour (ICD9 = E950-E959; ICD 10 = X60-X84) 0 = No Self-Harm Behaviour
Suicide	ORGD	Death by suicide after EPI admission	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 EPI admission	DTHDATE	1 = Death after EPI admission 0 = Alive