

Sociodemographic and health history characteristics of 48, 083 women and 46,972 men discharged from an inpatient psychiatric unit in Ontario, presented using N (%) unless otherwise specified

Variable	Women	Men	Standardized difference
Sociodemographic			
Median age (interquartile range, IQR) in years	46 (32-57)	42 (28-53)	.21
Marital status of married or with common-law partner	15,419 (32.1)	11,959 (25.5)	.29
Education level high school or less	22,313 (50.6)	17,386 (53.0)	.14
Income source from disability or social assistance	10,854 (22.6)	11,463 (24.4)	.04
Living situation:			
Private (i.e. own/renting)	44,145 (91.8)	41,705 (88.8)	.10
Homeless	656 (1.4)	1251 (2.7)	.09
Lowest neighbourhood income quintile	13,655 (28.4)	13,149 (28.0)	.01
Rural region of residence (population < 10,000)	5,192 (10.8)	5,283 (11.2)	.01
Life stressors in past year:			
Any	23,761 (49.4)	21,695 (46.2)	.11
Serious accident	2666 (5.54)	2681 (5.71)	.04
Death of close family member or friend	4443 (9.24)	3635 (7.74)	.08
Child custody issues	2581 (5.37)	1766(3.76)	.13
Conflict in interpersonal relationship	10538 (21.9)	9667 (20.6)	.06
Major loss of income	5006 (10.4)	6099 (13.0)	.07
Immigration	149 (.31)	179 (.38)	.02
Victim of crime	577 (1.20)	790 (1.68)	.05
Sexual assault or abuse	935 (1.94)	175 (.37)	.37
Physical assault or abuse	1896 (3.94)	881 (1.88)	.20
History of abuse or assault (lifetime):			
Physical	12430 (25.9)	7581 (16.1)	.20
Sexual	11603 (25.1)	4126 (8.80)	.37
Emotional	17278 (35.9)	9830 (20.9)	.28
Mental health service use prior to index admission			
Lifetime admission (any):	24,835 (51.7)	22,496 (47.9)	.08
Lifetime self-harm (any):	18,360 (38.2)	14,779 (31.5)	.09
Within 1 year prior to index admission:			
Psychiatric Admission (any)	4,356 (9.1)	4,387 (9.3)	< .01
Psychiatric ED visits (any)	14,127 (29.4)	13,371 (28.5)	.01
Outpatient visit to family physician or psychiatrist (any)	32,575 (65.9)	27,247 (58.0)	.08
Community mental health involvement	23,755 (49.4)	21,087 (44.9)	.10
Medical comorbidity			
Charlson Score within 2 years prior to index admission:			.01
0	28,493 (85.4)	28,265 (87.1)	
1	2,685 (8.1)	2,160 (6.7)	
2	1,235 (3.7)	1,040 (3.2)	
3+	940 (2.8)	971 (3.0)	
Specific comorbidities at time of index admission:			
Diabetes	6,800 (14.1)	5,944 (12.7)	.04
Chronic hypertension	12,558 (26.1)	10,819 (23.0)	.07
Chronic obstructive lung disease	2,369 (4.9)	1,998 (4.3)	.03
Hypothyroidism	4,990 (10.4)	1,451 (3.1)	.29
Primary Cancer	753 (1.6)	591 (1.3)	.04
Moderate to severe liver disease	144 (.3)	195 (.4)	.02
HIV infection	30 (.1)	88 (.2)	.04

Any life event within past year includes any of the life events listed plus: parental abuse of alcohol and drugs, witness to severe incident, lived in war zone, had a review board hearing regarding involuntary hospitalization or capacity for finances, failed or dropped out of an education program and distress about the health of another person. Charlson score: 1 point each for myocardial infarction, cerebrovascular disease, peripheral vascular disease, diabetes; 2 points each for heart failure, chronic obstructive pulmonary disease, mild liver disease, any tumor; 3 points each for dementia, connective tissue disease; 4 points each for AIDS and moderate or severe liver disease; and 6 points for metastatic solid tumour.

Index admission characteristics for 48,083 women and 46,972 men discharged from an inpatient psychiatric unit in Ontario, presented using N (%) unless otherwise specified

Variable	Women	Men	Standardized Difference
Administrative variables			
Median length of stay (Interquartile Range, IQR) in days	14 (8-28)	14 (8-27)	.01
Admission status of involuntary	20,391 (43.5)	22,128 (47.1)	.01
Reason for involuntary admission*:			
Threat to others	5,608 (11.7)	10,053 (21.4)	.26
Threat to self	23,868 (49.6)	23,055 (49.1)	.01
Inability to care for self	17,664 (36.7)	15,950 (34.0)	.06
Prescribed medications on admission (any)	31,281 (93.8)	29,926 (92.3)	.06
ECT during index admission or within 7 days prior	823 (1.71)	490 (1.04)	.09
Planned and regular discharge (i.e. not against medical advice)	30,900 (92.6)	29,661 (91.4)	.04
Diagnoses			
Primary DSM IV TR Axis I Diagnosis:			
Psychotic Disorder	9,486 (19.7)	12,666 (27.0)	.17
Bipolar Disorder	6,908 (14.4)	4,861 (10.3)	.12
Major Depressive Disorders	15,920 (33.1)	11,067 (23.6)	.21
Anxiety Disorders (including PTSD and OCD)	2,047 (4.25)	1,380 (2.94)	.07
Eating Disorders	588 (1.22)	22 (.005)	.15
Alcohol Related Disorders	1,787 (3.72)	3,408 (7.26)	.16
Substance Use Disorders	3,013 (6.27)	5,474 (11.7)	.19
Adjustment Disorders	2,122 (4.41)	1,986 (4.22)	.01
Dementia	1,386 (2.89)	1,427 (3.04)	.01
Delirium	300 (.62)	204 (.43)	.03
Mental disorders due to a general medical condition	399 (.83)	333 (.71)	.01
Other	4,127 (8.6)	4,144 (8.8)	.01
Personality disorder diagnosis	5,167 (10.7)	3,558 (7.57)	.11
Clinical Symptom Scales			
Admission:			
Mean±SD for Depression Rating Scale rated 0-14	3.8±2.9	2.8±2.5	.36
Mean±SD for Anxiety Rating Scale rated 0-18	3.0±3.3	2.4±3.0	.21
Mean±SD for Mania Symptom Scale, rated 0-18	2.6±3.6	2.6±3.6	.01
Mean±SD for Positive Symptom Scale, rated 0-12	1.8±2.7	2.1±2.9	.10
Mean±SD for Negative Symptom Scale, rated 0-12	3.9±4.0	3.5±3.9	.09
Mean±SD for Risk of Harm to Others Scale rated 0-6	1.2±1.4	1.6±1.6	.22
Mean±SD for Severity of Self-Harm Scale rated 0-6	2.3±1.9	2.2±1.9	.06
Mean±SD for Cognitive Performance Scale rated 0-6	.6±1.2	.6±1.2	.01
Independent for managing finances	36,326 (75.5)	34,694 (73.9)	.04
Median (IQR) Global Assessment of Function	40 (30-50)	40 (30-50)	.02
Discharge:			

Mean±SD for Depression Rating Scale rated 0-14	1.6±2.2	1.2±1.8	.22
Mean±SD for Anxiety Rating Scale rated 0-18	1.5±2.4	1.1±2.1	.15
Mean±SD for Mania Symptom Scale, rated 0-18	1.2±2.4	1.2±2.5	.02
Mean±SD for Positive Symptom Scale, rated 0-12	.7±1.7	.8±1.8	.08
Mean±SD for Negative Symptom Scale, rated 0-12	1.4±2.7	1.4±2.6	<.01
Mean±SD for Risk of Harm to Others Scale rated 0-6	.8±1.3	1.2±1.5	.29
Mean±SD for Severity of Self-Harm Scale rated 0-6	1.7±1.9	1.6±1.8	.04
Mean±SD for Cognitive Performance Scale rated 0-6	.4±1.0	.4±1.0	.01
Independent for managing finances	34,361 (71.5)	32,496 (69.2)	.07
Median (IQR) Global Assessment of Function	60 (50-65)	60 (50-65)	.04

***More than one reason for involuntary admission can be recorded (i.e. categories not mutually exclusive).**

Figure 1. Post-discharge outcomes by primary discharge diagnosis for psychotic disorders (n=22,152), bipolar disorder (n=11,769), major depressive disorder (n=26,987) and alcohol and substance use disorders (n=13,682)

