Ministry of Health
Consolidated Analytics Services

Title   Inpatient Cases With a Mental Health and/or Substance Use Diagnosis

Completion Date   2023-10-25

Client   FOI 2023-32576

Program Area

Question being asked

Statistics on patients admitted to hospitals and mental health facilities related to both mental health and substance use diagnoses.

Summary of Analysis

Inpatient hospitalizations are selected from the Discharge Abstract Database if they contain at least one substance use diagnosis recorded, and/or at least one mental health diagnosis that is not substance use.

The number of cases is reported by fiscal year and two broad age groups (<25 and 25+).

To ensure the appropriate information is availble, the data is provded in 4 different ways:
1) Inpatient cases with <u>both</u> a substance use and non-substance use mental health diagnoses
2) Inpatient cases with a non-substance use mental health diagnoses (may or may not also have a substance use diagnosis)
3) Inpatient cases with substance use diagnoses (may or may not also have another mental health diagnosis)
4) Inpatient cases with mental health <u>and/or</u> substance use diagnoses by age and fiscal year

Note that Table #2 + #3 -#1 = #4

Prepared by   Integrated Analytics , Primary & Acute Care and Sector Workforce | Hospital & [

SME Contact   MOHAnalytics

SME = Subject Matter Expert

RMS #   4884   **Filename**   Inpatient Cases with both MH and SU All Ages Updated for FOI 20231025.xlsm

Inpatient Cases With a Mental Health and/or Substance Use Diagnosis

Filename   Inpatient Cases with both MH and SU All Ages Updated for FOI 20231025.xlsm

Data source   1   Discharge Abstract Database

Extract date   2023-10-25

Notes

1   This report contains case counts of hospitalizations with both a mental health and a substance use diagnosis on the inpatient record

2   All diagnosis codes available in the hospitalization record are used for the purposes of identifying mental health and substance use cases.

3   Mental health diagnoses are identified using the ICD10 diagnosis codes
Schizophrenia, schizotypal and delusional disorders ('F200', 'F201', 'F202', '203', 'F205', 'F206', 'F208', 'F209', 'F21', 'F22', 'F23', 'F24', 'F25', 'F28', 'F29')
Mood [affective] disorders ('F3'),
Neurotic, stress-related, and somatoform disorders ('F40', 'F41', 'F42', 'F43', 'F488', 'F489')
Eating disorders ('F50')
Disorders associated with the pueperium ('F530', 'F531')
Childhood emotional disorders ('F938')
Disorders of adult personality and behaviour ('F60', 'F61', 'F62', 'F68', 'F69')

4   Cases with substance use diagnoses are identified by looking for both substance use disorders and some types of poisoning.

Substance use disorders including acute intoxication, dependance, and withdrawal are identified using ICD-10 codes beginning with 'F1'. This code includes disorders due to alcohol, opioids, cannabinoids, sedatives, hypnotics, cocaine, stimulants including caffeine, hallucinogens, tobacco, volatile solvents, and other psychoactive substances. Abuse of non-dependence-producing substances is also captured using 'F55'.

Overdose and poisonings are included using the codes 'T40' (Poisoning by narcotics and psychodysleptics (hallucinogens)) and ,'T43' (Poisoning by psychotropic drugs not elsewhere classified. This category includes antidepressants, antipsychotics, and psychostimulants wtih abuse potential.)

Note that alcohol poisoning is not included nor is poisoning by some other drugs like barbiturates and benzodiazepines.

5   Care levels Acute, Rehab, Day Surgery, and Tertiary Psychiatric (A, R, S, P) are included. Note that only a small number of Tertiary Psychiatric facilitities report to the DAD. Facilities that do not report to the DAD are not included.

6   Discharge date is used to define the year of each case. Only discharged cases are included.

Inpatient Cases With a Mental Health and/or Substance Use Diagnosis

Filename		Inpatient Cases with both MH and SU All Ages Updated for FOI 20231025.xlsm
Data source	1	Discharge Abstract Database
Extract date		2023-10-25

Notes

7 All cases treated at British Columbia hospitals are included even when the patient is not a resident of British Columbia. Cases treated at hospitals outside of British Columbia are excluded even when the patient is a resident of British Columbia. (hosp ^=997)

9 Patient age at admission is used to determine age category

PAS 4884

Inpatient Cases With a Mental Health and/or Substance Use Diagnosis

Fiscal Years 2017/18 to 2022/23 Q2
PAS 4884

Inpatient cases with <u>both</u> a substance use and non-substance use mental health diagnoses, by age and fiscal year						
Age Group	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
0-24	2,573	2,449	2,412	2,441	2,661	2,425
25+	8,089	8,071	8,113	8,886	9,492	9,157
Total all ages	**10,662**	**10,520**	**10,525**	**11,327**	**12,153**	**11,582**

N.B. Caution should be exercised when interpreting data; please refer to the Notes tab for important information.
N.B. Cite sources when using these data.

Inpatient cases with a non-substance use mental health diagnoses by age and fiscal year (may or may not also have a substance use diagnosis)						
Age Group	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
0-24	8,417	8,087	8,369	8,417	9,580	8,325
25+	30,117	29,160	29,950	30,231	31,544	30,382
Total all ages	**38,534**	**37,247**	**38,319**	**38,648**	**41,124**	**38,707**

Inpatient cases with substance use diagnoses by age and fiscal year (may or may not also have another mental health diagnosis)						
Age Group	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
0-24	4,529	4,498	4,405	4,485	4,663	4,225
25+	27,322	28,098	28,844	33,163	35,710	33,903
Total all ages	**31,851**	**32,596**	**33,249**	**37,648**	**40,373**	**38,128**

Inpatient cases with mental health <u>and/or</u> substance use diagnoses by age and fiscal year						
Age Group	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
0-24	10,373	10,136	10,362	10,461	11,582	10,125
25+	49,350	49,187	50,681	54,508	57,762	55,128
Total all ages	**59,723**	**59,323**	**61,043**	**64,969**	**69,344**	**65,253**

BC Ministry of Health | Health Sector Information, Analysis Reporting Division
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FOI 20231025 (002)

Page 4 of 5 HTH-2023-32576

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FOI 20231025 (002)

Page 5 of 5 HTH-2023-32576