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# Introduction

The Hospital Mental Health Database (HMHDB) is a pan-Canadian database at the Canadian Institute for Health Information (CIHI) that includes diagnosis and demographic data for a given fiscal year for

- General hospital separations (discharges and deaths) with a primary diagnosis of mental illness or addiction; and
- Psychiatric hospital separations.

As of April 1, 2006, hospital separations from designated adult mental health beds in Ontario are reported exclusively to the Ontario Mental Health Reporting System (OMHRS). The separation data from OMHRS for 2006–2007 and subsequent years was integrated into corresponding fiscal years of the HMHDB.

The following lists the data sources that constitute the database for 2015–2016:

## Data sources for general and psychiatric hospitals in the Hospital Mental Health Database

Province/territory	Source
British Columbia	DAD
Alberta	DAD
Saskatchewan	DAD HMHS
Manitoba*	DAD OMHRS
Ontario†	DAD OMHRS
Quebec	HMDB
New Brunswick	DAD
Nova Scotia	DAD
Prince Edward Island	DAD
Newfoundland and Labrador	DAD
Yukon	DAD

Province/territory	Source
Northwest Territories	DAD
Nunavut	DAD

**Notes**

\* A Manitoba psychiatric facility, Selkirk Mental Health Centre, reported to OMHRS.

† Ontario general and psychiatric hospitals reported separations from designated adult mental health beds, as well as other selected psychiatric separations, to OMHRS. All other separations were reported to the DAD.

DAD: Discharge Abstract Database.

HMHS: Hospital Mental Health Survey.

OMHRS: Ontario Mental Health Reporting System.

HMDB: Hospital Morbidity Database.

The DAD, HMDB and OMHRS are maintained by CIHI. Users of the HMHDB may access data quality documents for these data holdings on CIHI's website. 1 Saskatchewan facility provides data to CIHI for the HMHS.

## List of data elements

The following data elements are present in the HMHDB.

This data dictionary applies to fiscal year 2015–2016.

Data element	Data type (length)	Description
HMHDB_DATA_YEAR	Num (8)	Fiscal year of separation (April 1 through March 31)
PROV	Char (2)	Province or territory in which the reporting facility is located
HOSP	Char (5)	Facility identification number, which is assigned by the province or territory
HOSP_POSTALCODE	Char (6)	Postal code of the reporting facility
ENCRYPTED_HCN	Char (12)	Encrypted health card number
HEALTH_CARD_PROV_CODE	Char (2)	Province/territory issuing health card number
BIRTHDATE	Num (8)	Birthdate of person
SEX	Char (1)	Sex of person
PATIENT_POSTALCODE	Char (6)	Residential postal code of person
ADMITAGE	Num (8)	Age of person at the time of admission
SEPAGE	Num (8)	Age of person at the time of separation

<b>Data element</b>	<b>Data type (length)</b>	<b>Description</b>
<b>HOMELESS</b>	Num (8)	Indicates whether a person was homeless on admission
<b>ADMITTED_VIA_ED</b>	Num (8)	Indicates whether a person was admitted via the emergency department
<b>ADMITDATE</b>	Num (8)	The date that the person was admitted to the facility
<b>ADMISSIONMETHOD</b>	Char (1)	A code identifying the method of admission of the person
<b>SEPDATE</b>	Num (8)	The date the person was formally separated (through discharge or death) from the facility
<b>LOS</b>	Num (8)	The total number of days the person was hospitalized
<b>DISCHARGE_DISPOSITION</b>	Num (8)	Identifies the location where the person was discharged to or the status of the person on discharge
<b>DATA_SOURCE</b>	Num (8)	Indicates the original data source for the record (DAD/HMDB, HMHS or OMHS)
<b>CODING_CLASS</b>	Char (1)	Identifies the original disease classification system (i.e., the format in which the data was originally submitted) used for recording diagnoses
<b>DX1_PRIMARY</b>	Char (7)	Separation diagnosis code that describes the most responsible diagnosis/condition (MRDx) for the person's stay in a facility
<b>DX2–35</b>	Char (7)	Separation diagnosis codes that describe the non-MRDx diagnoses/conditions for the person's stay in a facility
<b>DX_TYPE1–35</b>	Char (1)	An alpha or a numeric code that determines the relationship of the diagnosis to the person's hospitalization
<b>PATIENT_REGION_CODE</b>	Char (4)	Identifies the patient's health region, based on the patient's residential postal code
<b>HOSP_REGION_CODE</b>	Char (4)	Identifies the facility's health region, based on the facility's postal code
<b>PSYCH_HOSP</b>	Num (8)	Indicates whether a record is from a general or psychiatric facility
<b>DIAGCATEGORY</b>	Char (40)	Broad mental health category based on the most responsible separation diagnosis code

<b>Data element</b>	<b>HMHDB_DATA_YEAR</b>
<b>Data type, length and format</b>	Num (8), YYYY
<b>Description</b>	Fiscal year of separation (April 1 through March 31)
<b>Valid values</b>	The 4 bytes that begin the fiscal year. For example, fiscal year 2002–2003 has the value of 2002 in this field.

<b>Data element</b>	<b>PROV</b>
<b>Data type, length and format</b>	Char (2)
<b>Description</b>	Province or territory in which the reporting facility is located
<b>Valid values</b>	<p>10 = Newfoundland and Labrador</p> <p>11 = Prince Edward Island</p> <p>12 = Nova Scotia</p> <p>13 = New Brunswick</p> <p>24 = Quebec</p> <p>35 = Ontario</p> <p>46 = Manitoba</p> <p>47 = Saskatchewan</p> <p>48 = Alberta</p> <p>59 = British Columbia</p> <p>60 = Yukon</p> <p>61 = Northwest Territories</p> <p>62 = Nunavut</p>

<b>Data element</b>	<b>HOSP</b>
<b>Data type, length and format</b>	Char (5), any alphanumeric string
<b>Description</b>	Facility identification number, which is assigned by the province or territory
<b>Valid values</b>	The list of valid values for this data element is available on request.
<b>Quality and analysis issues</b>	<ul style="list-style-type: none"> <li>Numbers are not unique across Canada. To uniquely identify a facility, this data element should be used in conjunction with the submitting province code (PROV).</li> <li>For records from Ontario facilities that submitted to OMHRS, the mental health master number from the Ministry of Health and Long-Term Care was used as the facility number. It is different from the facility number that is reported to the DAD.</li> </ul>

<b>Data element</b>	<b>HOSP_POSTALCODE</b>
<b>Data type, length and format</b>	Char (6), ANANAN
<b>Description</b>	Postal code of the reporting facility
<b>Valid values</b>	6-character postal code in ANANAN format (A: alpha code; N: numeric code)

<b>Data element</b>	<b>ENCRYPTED_HCN</b>
<b>Data type, length and format</b>	Char (12), any alphanumeric string
<b>Description</b>	Encrypted health card number
<b>Valid values</b>	Any alphanumeric string Valid values for invalid or unknown HCN: Blank (applies to the HMHS and OMHRS) 0 (zero; applies to records from OMHRS) 000000000000 (12 zeros; applies to records from the DAD/HMDB and OMHRS) -70 = Unknown HCN (applies to records from OMHRS) -90 = Not applicable (applies to records from OMHRS)
<b>Quality and analysis issues</b>	All records from the HMHS are blank for this data element.

<b>Data element</b>	<b>HEALTH_CARD_PROV_CODE</b>
<b>Data type, length and format</b>	Char (2)
<b>Description</b>	Province/territory issuing health card number
<b>Valid values</b>	NF = Newfoundland and Labrador PE = Prince Edward Island NS = Nova Scotia NB = New Brunswick QC = Quebec ON = Ontario MB = Manitoba SK = Saskatchewan AB = Alberta BC = British Columbia YT = Yukon NT = Northwest Territories NU = Nunavut Blank (applies to records from the HMHS and the DAD/HMDB) -7 = Unknown (applies to records from OMHRS) -9 = Not applicable (applies to records from OMHRS) 99 = Not applicable (applies to records from the DAD/HMDB) CA = Canada (applies to records from the DAD/HMDB with a federal health card number)
<b>Quality and analysis issues</b>	All records from the HMHS are blank for this data element.

<b>Data element</b>	<b>BIRTHDATE</b>
<b>Data type, length and format</b>	Num (8), YYYYMMDD
<b>Description</b>	Birthdate of person
<b>Valid values</b>	Valid day, month and year 99990901 = Unknown
<b>Quality and analysis issues</b>	Quebec does not supply birthdates.

<b>Data element</b>	<b>SEX</b>
<b>Data type, length and format</b>	Char (1)
<b>Description</b>	Sex of person
<b>Valid values</b>	1 = Male 2 = Female 3 = Other (hermaphrodite, transsexual or undifferentiated)

<b>Data element</b>	<b>PATIENT_POSTALCODE</b>
<b>Data type, length and format</b>	Char (6), ANANAN, ANA or 2-digit alpha code (province/territory postal abbreviation)
<b>Description</b>	Residential postal code of person. If the postal code is unavailable, the provincial/territorial postal abbreviation might be used. For Canadian residents, the coding system is as follows: NF = Newfoundland and Labrador PE = Prince Edward Island NS = Nova Scotia NB = New Brunswick QC = Quebec ON = Ontario MB = Manitoba SK = Saskatchewan AB = Alberta BC = British Columbia YT = Yukon NT = Northwest Territories NU = Nunavut

<b>Data element</b>	<b>PATIENT_POSTALCODE</b>
<b>Valid values</b>	6-character postal code in ANANAN format (A: alpha code; N: numeric code) Forward Sortation Area (FSA) code in ANA format 2-digit postal abbreviation Blank -70 = Unknown (applies to records from OMHRS) -90 = Not applicable (applies to records from OMHRS) 99 = Unknown (applies to records from the DAD/HMDB) XX = Homeless (applies to records from the DAD/HMDB)
<b>Quality and analysis issues</b>	Quebec does not provide the postal code, so all Quebec records contain the default provincial postal abbreviation “QC.”

<b>Data element</b>	<b>ADMITAGE</b>
<b>Data type, length and format</b>	Num (8)
<b>Description</b>	Age of person at the time of admission
<b>Valid values</b>	0–130 years (applies to records from the HMHS and the DAD/HMDB) 0+ years (no upper age limit) (applies to records from OMHRS)

<b>Data element</b>	<b>SEPAGE</b>
<b>Data type, length and format</b>	Num (8)
<b>Description</b>	Age of person at the time of separation
<b>Valid values</b>	0–130 years (applies to records from the HMHS and the DAD/HMDB) 0+ years (no upper age limit) (applies to records from OMHRS)

<b>Data element</b>	<b>HOMELESS</b>
<b>Data type, length and format</b>	Num (8)
<b>Description</b>	Indicates whether a person was homeless on admission
<b>Valid values</b>	0 = Non-homeless (applies to records from the DAD/HMDB and OMHRS) 1 = Homeless (applies to records from the DAD/HMDB and OMHRS) Blank (applies to records from the HMHS)
<b>Quality and analysis issues</b>	All records from the HMHS are blank for this data element.



<b>Data element</b>	<b>ADMITTED_VIA_ED</b>
<b>Data type, length and format</b>	Num (8)
<b>Description</b>	Indicates whether a person was admitted via the emergency department
<b>Valid values</b>	0 = No (applies to records from the DAD/HMDB and OMHRS) 1 = Yes (applies to records from the DAD/HMDB and OMHRS) Blank (applies to records from the HMHS)
<b>Quality and analysis issues</b>	All records from the HMHS are blank for this data element.

<b>Data element</b>	<b>ADMITDATE</b>
<b>Data type, length and format</b>	Num (8), YYYYMMDD
<b>Description</b>	The date that the person was admitted to the facility
<b>Valid values</b>	Valid day, month and year

<b>Data element</b>	<b>ADMISSIONMETHOD</b>
<b>Data type, length and format</b>	Char (1)
<b>Description</b>	A code identifying the method of admission of the person
<b>Valid values</b>	1 = Voluntary hospitalization 2 = Involuntary hospitalization 3 = Other Blank
<b>Quality and analysis issues</b>	For facilities that reported to the DAD/HMDB, collection of legal status at admission was mandated in Newfoundland and Labrador, Prince Edward Island, Nova Scotia, New Brunswick and Ontario only.  This is a derived variable. The DAD/HMDB and OMHRS differ in their sets of valid values.

<b>Data element</b>	<b>SEPDATE</b>
<b>Data type, length and format</b>	Num (8), YYYYMMDD
<b>Description</b>	The date the person was formally separated (through discharge or death) from the facility
<b>Valid values</b>	Day, month and year must be valid, and the date must fall within the fiscal year being reported.

<b>Data element</b>	<b>LOS</b>
<b>Data type, length and format</b>	Num (8)
<b>Description</b>	The total number of days the person was hospitalized. It is equal to the length of hospitalization from the date of admission to the date of separation. Service interruptions and alternate level of care (ALC) days are included if they occurred during the stay. If the date of admission and the date of separation are in different fiscal (data) years, the record will appear in the fiscal year of separation only. The days of stay will reflect the total length of stay regardless of the number of fiscal years that the hospitalization covered.
<b>Valid values</b>	1+
<b>Quality and analysis issues</b>	The length of stay is set to 1 for those hospitalizations where the admission and separation dates are the same day.

<b>Data element</b>	<b>DISCHARGE_DISPOSITION</b>
<b>Data type, length and format</b>	Num (8)
<b>Description</b>	Identifies the location where the person was discharged to or the status of the person on discharge
<b>Valid values</b>	1 = Discharged home (including private home and home setting with support or support services) 2 = Transferred (including acute care, psychiatric, long-term care and rehabilitation hospital/unit, hospice facility/palliative care unit, correctional facility, ambulatory care, addiction treatment centre, jail and social agency) 3 = Died 4 = Sign-out (including absent without leave [AWOL], left against medical advice and person didn't return from a pass) 5 = Other (including homeless and other; applies to records from OMHRS) Blank (applies to records from the HMHS)
<b>Quality and analysis issues</b>	All records from the HMHS are blank for this data element.

<b>Data element</b>	<b>DATA_SOURCE</b>
<b>Data type, length and format</b>	Num (8)
<b>Description</b>	Indicates the original data source for the record (DAD/HMDB, HMHS or OMHRS)
<b>Valid values</b>	1 = DAD/HMDB 2 = HMHS 3 = OMHRS

<b>Data element</b>	<b>CODING_CLASS</b>
<b>Data type, length and format</b>	Char (1)
<b>Description</b>	Identifies the original disease classification system (i.e., the format in which the data was originally submitted) used for recording diagnoses
<b>Valid values</b>	0 = ICD-10-CA 9 = ICD-9-CM 4 = DSM-IV-TR P = OMHRS DSM-IV-TR diagnostic categories
<b>History</b>	Please refer to the DAD and HMDB data quality documentation for the coding classifications historically used in each fiscal year.

<b>Data element</b>	<b>DX1_PRIMARY</b>
<b>Data type, length and format</b>	Char (7)
<b>Description</b>	Separation diagnosis code that describes the most responsible diagnosis/condition (MRDx) for the person's stay in a facility
<b>Valid values</b>	<ul style="list-style-type: none"> <li>• <b>For records from a psychiatric facility</b> The diagnosis code can be any mental health diagnosis code or any non-mental health diagnosis code.</li> <li>• <b>For records from a general facility</b> The diagnosis code must be any mental health diagnosis code (with the exception of OMHRS).</li> <li>• <b>For records from OMHRS with CODING_CLASS = P</b> The value can be any DSM-IV-TR diagnostic category. a = Disorders of childhood/adolescence b = Delirium, dementia and amnesic and other cognitive disorders c = Mental disorders due to general medical condition d = Substance-related disorders e = Schizophrenia and other psychotic disorders f = Mood disorders g = Anxiety disorders h = Somatoform disorders i = Factitious disorders j = Dissociative disorders k = Sexual and gender identity disorders l = Eating disorders m = Sleep disorders n = Impulse-control disorders not classified elsewhere</li> </ul>

<b>Data element</b>	<b>DX1_PRIMARY</b>
<b>Valid values (cont'd)</b>	<p>o = Adjustment disorders</p> <p>p = Personality disorders</p> <p>q = Not applicable — admitted to mental health bed for reasons not related to mental health</p>
<b>Quality and analysis issues</b>	To identify a diagnosis, this data element should be used in conjunction with the CODING_CLASS data element, which identifies the disease classification system used for recording diagnoses.

<b>Data element</b>	<b>DX2–35</b>
<b>Data type, length and format</b>	Char (7)
<b>Description</b>	Separation diagnosis codes that describe the non-MRDx diagnoses/conditions for the person's stay in a facility
<b>Valid values</b>	The diagnosis code can be any mental health diagnosis code, any non-mental health diagnosis code or any DSM-IV-TR diagnostic category.
<b>Quality and analysis issues</b>	<ul style="list-style-type: none"> <li>To identify a diagnosis, this data element should be used in conjunction with the CODING_CLASS data element, which identifies the disease classification system used for recording diagnoses.</li> <li>The number of additional diagnosis code fields available (DX2–DX35) varies by data source. Please contact the HMHDB team for details.</li> </ul>

<b>Data element</b>	<b>DX_TYPE1–35</b>
<b>Data type, length and format</b>	Char (1)
<b>Description</b>	An alpha or a numeric code that determines the relationship of the diagnosis to the person's hospitalization
<b>Valid values</b>	<p>M = Most responsible diagnosis (MRDx)</p> <p>1 = Pre-admit comorbidity</p> <p>2 = Post-admit comorbidity</p> <p>3 = Secondary diagnosis</p> <p>C = Quebec-specific value</p> <p>W, X, Y = Service transfer diagnosis</p> <p>4 = Morphology code</p> <p>5 = Admitting diagnosis</p> <p>6 = Proxy most responsible diagnosis (MRDx)</p> <p>9 = External cause of injury code</p> <p>0 = Newborn</p>
<b>Quality and analysis issues</b>	Applies to records from the DAD/HMDB. Please refer to the How To document <a href="#">Diagnosis type definitions</a> for details.

<b>Data element</b>	<b>PATIENT_REGION_CODE</b>
<b>Data type, length and format</b>	Char (4)
<b>Description</b>	Identifies the patient's health region, based on the patient's residential postal code
<b>Valid values</b>	-7 = Residential postal code was invalid or missing For a list of health region codes for each province and territory effective in 2015, please see Appendix 1 of <a href="#">Health regions: Boundaries and correspondence with census geography</a> .
<b>Quality and analysis issues</b>	<ul style="list-style-type: none"> <li>For analysis based on place of patient residence, to determine which health region a patient belongs to, a patient's postal code at the time of hospitalization was mapped to census geography using Statistics Canada's Postal Code Conversion File (PCCF, August 2015) and then to a health region using another Statistics Canada product, <a href="#">Health regions: Boundaries and correspondence with census geography</a>.</li> <li>Health region will be -7 for records with an invalid or missing postal code.</li> </ul>

<b>Data element</b>	<b>HOSP_REGION_CODE</b>
<b>Data type, length and format</b>	Char (4)
<b>Description</b>	Identifies the facility's health region, based on the facility's postal code
<b>Valid values</b>	For a list of health region codes for each province and territory effective in 2015, please see Appendix 1 of <a href="#">Health regions: Boundaries and correspondence with census geography</a> .
<b>Quality and analysis issues</b>	<ul style="list-style-type: none"> <li>For analysis based on place of facility, to determine which health region a facility belongs to, a facility's postal code was mapped to census geography using Statistics Canada's Postal Code Conversion File (PCCF, August 2015) and then to a health region using another Statistics Canada product, <a href="#">Health regions: Boundaries and correspondence with census geography</a>.</li> </ul>

<b>Data element</b>	<b>PSYCH_HOSP</b>
<b>Data type, length and format</b>	Num (8)
<b>Description</b>	Indicates whether a record is from a general or psychiatric facility
<b>Valid values</b>	0 = General 1 = Psychiatric

<b>Data element</b>	<b>DIAGCATEGORY</b>
<b>Data type, length and format</b>	Char (40)
<b>Description</b>	Broad mental health category based on the most responsible separation diagnosis code
<b>Valid values</b>	<p>1 = Organic disorders</p> <p>2 = Substance-related disorders</p> <p>3 = Schizophrenic and psychotic disorders</p> <p>4 = Mood disorders</p> <p>5 = Anxiety disorders</p> <p>6 = Personality disorders</p> <p>7 = Other mental health disorders</p> <p>8 = Unknown disorders</p> <p>99 = Non–mental health disorders</p>
<b>Quality and analysis issues</b>	For records with missing, invalid or under-specified diagnostic codes, the value 8 (Unknown disorders) was assigned.

# Appendix — Mental illness diagnosis codes and categories

Diagnosis category	DSM-IV-TR codes	ICD-9-CM codes	ICD-10-CA codes
<b>Organic disorders</b>	290.40–290.43, 293.0, 293.9, 294.0, 294.8, 294.9, 294.10, 294.11, 310.1, 780.09	290.0, 290.10–290.13, 290.20–290.21, 290.3, 290.40–290.43, 290.8–290.9, 293.0, 293.1, 293.81–293.84, 293.89, 293.9, 294.0, 294.1, 294.8, 294.9	F00–F09, F53.1, G30
<b>Substance-related disorders</b>	291.0–291.9, 292.0, 292.11, 292.12, 292.81, 292.82–292.84, 292.85, 292.89, 292.9, 303.00, 303.90, 304.00, 304.10, 304.20, 304.30, 304.40, 304.50, 304.60, 304.80, 304.90, 305.00, 305.1, 305.20, 305.30, 305.40, 305.50, 305.60, 305.70, 305.90	291.0–291.5, 291.81, 291.89, 291.9, 292.0, 292.11–292.12, 292.2, 292.81–292.84, 292.89, 292.9, 303.00–303.03, 303.90–303.93, 304.00–304.03, 304.10–304.13, 304.20–304.23, 304.30–304.33, 304.40–304.43, 304.50–304.53, 304.60–304.63, 304.70–304.73, 304.80–304.83, 304.90–304.93, 305.00–305.03, 305.1, 305.20–305.23, 305.30–305.33, 305.40–305.43, 305.50–305.53, 305.60–305.63, 305.70–305.73, 305.80–305.83, 305.90–305.93	F10–F19, F55
<b>Schizophrenic and psychotic disorders</b>	293.81, 293.82, 295.10, 295.20, 295.30, 295.40, 295.60, 295.70, 295.90, 297.1, 297.3, 298.8, 298.9	295.00–295.05, 295.10–295.15, 295.20–295.25, 295.30–295.35, 295.40–295.45, 295.50–295.55, 295.60–295.65, 295.70–295.75, 295.80–295.85, 295.90–295.95, 297.0–297.3, 297.8, 297.9, 298.0–298.4, 298.8, 298.9	F20–F29
<b>Mood disorders</b>	293.83, 296.00–296.06, 296.20–296.26, 296.30–296.36, 296.40–296.46, 296.50–296.56, 296.60–296.66, 296.7, 296.80, 296.89, 296.90, 300.4, 301.13, 311	296.00–296.06, 296.10–296.16, 296.20–296.26, 296.30–296.36, 296.40–296.46, 296.50–296.56, 296.60–296.66, 296.7, 296.80–296.82, 296.89, 296.90, 296.99, 300.4, 311	F30–F31, F32–F33, F34.0, F34.1, F34.8, F34.9, F38, F39, F53.0
<b>Anxiety disorders</b>	293.84, 293.89, 300.00–300.02, 300.21–300.23, 300.29, 300.3, 308.3, 309.21, 309.81	300.00–300.02, 300.09, 300.20–300.23, 300.29, 300.3, 308.0–308.4, 308.9, 309.81	F40–F42, F43.0, F43.1, F43.8, F43.9, F93.0–F93.2

Diagnosis category	DSM-IV-TR codes	ICD-9-CM codes	ICD-10-CA codes
<b>Personality disorders</b>	301.0, 301.20, 301.22, 301.4, 301.50, 301.6, 301.7, 301.81–301.83, 301.9	301.0, 301.10–301.13, 301.20–301.22, 301.3, 301.4, 301.50, 301.51, 301.59, 301.6, 301.7, 301.81–301.84, 301.89, 301.9	F60–F62, F68–F69
<b>Other mental health disorders</b>	290.40–290.43, 299.00, 299.10, 299.80, 300.11, 300.12–300.16, 300.19, 300.6, 300.7, 300.81, 300.82, 300.9, 302.2–302.4, 302.6, 302.70–302.76, 302.79, 302.81–302.85, 302.89, 302.9, 306.51, 307.0, 307.1, 307.20–307.23, 307.3, 307.42, 307.44–307.47, 307.50, 307.51, 307.52, 307.53, 307.59, 307.6, 307.7, 307.80, 307.89, 307.9, 309.0, 309.21, 309.24, 309.28, 309.3, 309.4, 309.9, 312.30–312.34, 312.39, 312.81, 312.82, 312.89, 312.9, 313.23, 313.81, 313.82, 313.89, 313.9, 314.00, 314.01, 314.9, 315.00, 315.1, 315.2, 315.31, 315.32, 315.39, 315.4, 315.9, 316, 317, 318.0–318.2, 319, 607.84, 608.89, 625.0, 625.8	290.40–290.43, 299.00–299.01, 299.10–299.11, 299.80–299.81, 299.90–299.91, 300.10–300.16, 300.19, 300.5, 300.6, 300.7, 300.81–300.82, 300.89, 300.9, 302.0–302.4, 302.50–302.53, 302.6, 302.70–302.76, 302.79, 302.81–302.85, 302.89, 302.9, 306.0–306.4, 306.50–306.53, 306.59, 306.6–306.9, 307.0, 307.1, 307.20–307.23, 307.3, 307.40–307.49, 307.50–307.54, 307.59, 307.6, 307.7, 307.80–307.81, 307.89, 307.9, 309.0–309.1, 309.21–309.24, 309.28–309.29, 309.3–309.4, 309.82–309.83, 309.89, 309.9, 310.0–310.2, 310.8, 310.9, 312.00–312.03, 312.10–312.13, 312.20–312.23, 312.30–312.35, 312.39, 312.4, 312.81, 312.82, 312.89, 312.9, 313.0, 313.1, 313.21–313.23, 313.3, 313.81–313.83, 313.89, 313.9, 314.00–314.01, 314.1–314.2, 314.8–314.9, 315.00–315.02, 315.09, 315.1, 315.2, 315.31–315.32, 315.39, 315.4, 315.5, 315.8, 315.9, 316, 317, 318.0–318.2, 319, 648.40–648.44	F43.2, F44, F45, F48.0, F48.1, F48.8, F48.9, F50, F51, F52, F53.8, F53.9, F54, F59, F63, F64, F65, F66, F70–F73, F78–F79, F80–F89, F90, F91–F92, F93.0, F93.3, F93.8–F93.9, F94, F95, F98, F99, O99.3

**Notes**

The following codes may be found in more than one category in the above grouping table: DSM-IV-TR — 290.40, 290.41, 290.42, 290.43, 309.21; ICD-9-CM — 290.40, 290.41, 290.42, 290.43, 309.21, 309.22; ICD-10-CA — F93.0. To avoid double-counting separations, these codes have been grouped to only 1 broad mental health category within the HMHDB. The volume of separations for these codes is very low (ranging from 0 to 35 nationally for the 2011–2012 data year); consequently, the impact on categorization to one category versus another is minimal.

Diagnostic groupings correspond to 2015–2016 data. For information on diagnostic groupings for prior years, please contact the Mental Health and Addictions program area at [mentalhealth@cihi.ca](mailto:mentalhealth@cihi.ca).