

Massachusetts Acute Care Outpatient Observation Data

October 2018 through
March 2024 (Preliminary)

August 2024

Technical Appendix



Massachusetts Acute Care Hospital Outpatient Observation Data (Quarterly Update):

October 2018 through March 2024 (Preliminary)

TECHNICAL APPENDIX

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Introduction

This technical appendix provides details on the methodology used for the report *Massachusetts Acute Care Hospital Outpatient Observation Data (Quarterly Update): October 2018 through March 2024 (Preliminary)* released by the Massachusetts Center for Health Information and Analysis (CHIA) in August 2024. This appendix describes the main characteristics of Massachusetts acute care hospitals, as well as details on several of the calculated measures, data categorizations, and groupings used in the report.

Data Source

For this report, the Outpatient Observation Database (OOD) of CHIA's Acute Care Hospital Case Mix Databases (Case Mix) was used as the source data. The OOD is a visit-level file including patient socio-demographics, diagnostic information, treatment and service information, and hospital charges. For general information about CHIA's Case Mix Data, including the OOD and other Case Mix databases, please see the [Overview of the Massachusetts Acute Hospital Case Mix Databases](#) and additional information about the Case Mix data on [CHIA's website](#).

Interim OOD data for Quarter 2 of Federal Fiscal Year (FFY) 2024 (January to March 2024) are used in this quarterly update, which means the processing, verification and cleaning that occurs at CHIA is not final; hence the data are considered preliminary. Future updates to the Case Mix Data may result in slightly different estimates than are presented here as more complete data are made available.

Hospital(s) that have no data reported for select months include:

Due to Temporary Closure:

- Signature Healthcare Brockton Hospital (March 2023-Present)

Hospital Characteristics

Acute Care Hospital

Due to small numbers of visits for several months (<11 visits), four hospitals, Dana-Farber Cancer Institute, New England Baptist Hospital, and Shriners Hospital for Children – Boston and Springfield, were excluded from the acute care hospital section. Visits from these hospitals were excluded from the acute care hospital section but were included in all other sections. The August 2024 release of the Emergency Department Database (EDD) and OOD dashboards reflects resubmitted Case Mix data from FFY 2023 through FFY 2024 Q2, including reclassification of certain emergency department and outpatient observation visits from several hospitals. OOD data at these hospitals now includes visits that began in the emergency department but ended in an outpatient observation stay. This has resulted in fewer ED visits and more OOD visits reported compared to previous years but does not reflect a true increase in volume.

Hospital Cohort

Hospitals are assigned to one of five mutually exclusive groups of similar hospitals: academic medical centers (AMCs), teaching hospitals, community-High Public Payer (HPP) hospitals, other community hospitals, and specialty hospitals.

- AMCs are characterized by extensive research and teaching programs, comprehensive resources for tertiary and quaternary care, being principal teaching hospitals for their respective medical schools, and being full-service hospitals with case mix intensity greater than 5% above the statewide average.
- Teaching hospitals are hospitals that report at least 25 full-time equivalent medical school residents per one hundred inpatient beds in accordance with the Medicare Payment Advisory Commission (MedPAC) and are not classified as AMCs.
- Community-High Public Payer (HPP) hospitals are hospitals that do not meet the MedPAC definition to be classified as teaching hospitals and have 63% or greater of Gross Patient Service Revenue (GPSR) attributable to Medicare, MassHealth, and other government payers, including the Health Safety Net.
- Community hospitals are hospitals that do not meet the MedPAC definition to be classified as teaching hospitals and have a public payer mix of less than 63%.
- Specialty hospitals are hospitals that serve unique patient populations or provide unique sets of services.

High Public Payer Status

A hospital is classified as High Public Payer (HPP) if 63% or greater of its GPSR come from public or government payers such as Medicare, MassHealth, or other government payers, as determined by the Executive Office of Health and Human Services (EOHHS) based on the hospital's Massachusetts Hospital Cost Report which are updated annually. Not all hospitals defined as HPP are Community-HPP; some non-Community hospitals are classified as HPP, but this distinction is not made in the cohort classification.

Calculated Measures

Age

Patient age in years was calculated from the date of the observation visit and the patient's date of birth. Visits were suppressed from the report if the date of birth was missing or invalid, or if the calculated age exceeded 115 years. The number of visits missing age data was 18 in FFY 2019, 6 in FFY 2020, 14 in FFY 2021, 30 in FFY 2022, 104 in FFY 2023, 15 in Q1 of FFY 2024, and 16 in Q2 of FFY 2024.

Length of Stay

Length of stay (LOS) was calculated by subtracting the arrival date and time from the departure date and time and is reported in hours. Average length of stay (ALOS) is an aggregate measure of the mean LOS within a certain category or group. The number of visits with missing length of stay due to missing date and/or time of arrival or departure, or invalid data, was 191 in FFY 2019, 218 in FFY 2020, 377 in FFY 2021, 304 in FFY 2022, 171 in FFY 2023, 46 in Q1 of FFY 2024, and 43 in Q2 of FFY 2024.

Data Categorizations and Groupings

Sex

The number of visits with missing or unknown sex was 7 in FFY 2019, 2 in FFY 2020, 11 in FFY 2021, 19 in FFY 2022, 45 in FFY 2023, 13 in Q1 of FFY 2024, and 15 in Q2 of FFY 2024.

Race/Ethnicity

Patient race and ethnicity were classified using a hierarchical grouping based on information entered by the facility. First, any patients of Hispanic/Latino/Spanish culture or origin regardless of race were classified as Hispanic of Any Race. Next, patients with valid primary race variables, and were not multiple races, were classified as non-Hispanic White, non-Hispanic Black, non-Hispanic Asian, non-Hispanic American Indian/Alaska Native, or non-Hispanic Native Hawaiian/Other Pacific Islander. Patients classified as Other Race or who had more than one race indicated were classified as non-Hispanic Other or Multiple Races. Due to small population sizes, non-Hispanic American Indian/Alaska Native and non-Hispanic Native Hawaiian/Other Pacific Islander are reported together with Other and Multiple Races in the Tableau workbook, but these groups are reported separately in the databook. Visits that could not be classified into any of the above groups due to missing or invalid race/ethnicity information were reported as Missing.

Payer Type

Payer type is the expected primary payer on the visit as reported by the hospital. For this analysis, payer type categories were derived from payer source codes. Payer type categories were assigned to one of the following:

- Medicare: Fee-for-service Medicare or managed care Medicare
- Medicaid: MassHealth, including Medicaid managed care, or Commonwealth Care
- Commercial: Blue Cross and Blue Shield Managed Care, Commercial Insurance and Commercial Managed Care, HMO, PPO/Other managed care plans not elsewhere classified, point-of-service plans, exclusive provider organizations, and other non-managed care plans
- Other: Worker's Compensation, Other Government Payment, Auto Insurance, and Dental Plans
- Self-Pay: Self-Pay, Free Care, and Health Safety Net

The number of visits with missing expected primary payer type was 16 in FFY 2019, 29 in FFY 2020, 16 in FFY 2021, 22 in FFY 2022, 21 in FFY 2023, 3 in Q1 of FFY 2024, and 3 in Q2 of FFY 2024.

Clinical Classifications Software Refined (CCSR) for ICD-10-CM Diagnoses [1]

The CCSR for ICD-10-CM diagnoses was developed by the Agency for Healthcare Research and Quality (AHRQ) and aggregates over 70,000 ICD-10-CM diagnosis codes into more than 530 clinically meaningful categories, organized across 21 body systems. For this analysis, visits were classified into mutually exclusive categories based on the default outpatient CCSR category for the listed principal ICD-10-CM diagnosis code. This update used CCSR v. 2024.1. In the section Diagnoses, estimates among the top 10 most common CCSR categories are presented by age group.

Behavioral Health

For this analysis, visits were categorized into clinical meaningful independent behavioral health categories based on the listed principal diagnosis code using the CCSR categories for ICD-10-CM diagnoses defined by AHRQ as related

to mental and behavioral disorders [1]. A visit may be associated with more than one behavioral health category because ICD-10-CM diagnoses may be associated with more than one CCSR category. Behavioral health conditions are classified as mental health or substance use based on the conditions and CCSR categories below:

Table 3. CCSR Categories Associated with Behavioral Health

OVERALL CATEGORY	DIAGNOSIS CATEGORY	CCSR CATEGORIES	CCSR DESCRIPTION
Mental Health	Mood disorders	MBD002	Depressive disorders
		MBD003	Bipolar and related disorders
		MBD004	Other specified and unspecified mood disorders
	Anxiety disorders	MBD005	Anxiety and fear-related disorders
		MBD006	Obsessive-compulsive and related disorders
	Trauma disorders	MBD007	Trauma and stressor-related disorders
	Intentional self-harm, suicidal ideation, and suicide attempts	MBD012	Suicidal ideation, attempt, and intentional self-harm
		MBD027	Suicide attempt or intentional self-harm, subsequent encounter
	Schizophrenia and other psychotic disorders	MBD001	Schizophrenia and other psychotic disorders
	Personality disorders	MBD009	Personality disorders
	Impulse control disorders not elsewhere classified	MBD008	Disruptive, impulse-control and conduct disorders
	Miscellaneous mental health conditions	MBD010	Feeding and eating disorders
		MBD011	Somatic disorders
		MBD013	Miscellaneous mental and behavioral disorders and conditions
	Substance Use	Alcohol-related disorders	MBD017
Cannabis-related disorders		MBD019	Cannabis-related disorders
		MBD030	Cannabis-related disorders, subsequent encounter
Opioids-related disorders		MBD018	Opioid-related disorders
		MBD028	Opioid-related disorders, subsequent encounter
Cocaine-related disorders		MBD021*	Stimulant-related disorders
		MBD029*	Stimulant-related disorders, subsequent encounter
Sedatives-related disorders		*Only including those related to cocaine	
	MBD020	Sedative-related disorders	

		MBD032	Sedative-related disorders, subsequent encounter
	Other Stimulant-related disorders	MBD021*	Stimulant-related disorders
		MBD029*	Stimulant-related disorders, subsequent encounter
		*Except those related to cocaine	
	Hallucinogens-related disorders	MBD022	Hallucinogen-related disorders
		MBD031	Hallucinogen-related disorders; subsequent encounter
	Miscellaneous substance-related disorders	MBD023	Inhalant-related disorders
		MBD025	Other specified substance-related disorders
		MBD033	Inhalant-related disorders, subsequent encounter

Additionally, ICD-10-CM diagnoses in CCSR categories MBD026 (Mental and substance use disorders in remission) and MBD034 (mental and substance use disorders; sequela) were manually associated with the diagnosis categories listed above. See Appendix A for a complete list of behavioral health ICD-10-CM codes and their classifications. Based on the behavioral health diagnosis categories, visits were aggregated into larger categories representing whether the principal diagnosis was associated with any behavioral health condition (that is, either a mental health condition or substance use disorder), and for behavioral health diagnoses, whether the visit was associated with a mental health condition, or a substance use disorder. Principal diagnoses were classified as either mental health or substance use disorders; as such, the categories for Any Mental Health Condition and Any Substance Use Disorder are mutually exclusive.

For this analysis, behavioral health categories were also analyzed by age group, and only visits among patients aged 2 years and older were included. Some mental health and substance use categories had fewer than 11 visits for some quarters. These were suppressed for privacy reasons. They include:

- Pediatric (Age 2-17)
 - Mental health conditions – Personality disorders (all quarters)
 - Substance Use Disorders – Opioids, Cocaine, Sedatives, and Stimulants (all quarters)

Notes

[1] Clinical Classifications Software Refined (CCSR) for ICD-10-CM. October 2022. Healthcare Cost and Utilization Project (HCUP). Agency for Healthcare Research and Quality, Rockville, MD. Available from <https://www.hcup-us.ahrq.gov/toolsoftware/ccsr/dxccsr.jsp>

Appendix A. CCSR Category MBD026 and MBD034 Behavioral Health Classification

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD026	F1011	Alcohol abuse, in remission	Substance Use	Alcohol
MBD026	F1021	Alcohol dependence, in remission	Substance Use	Alcohol
MBD026	F1111	Opioid abuse, in remission	Substance Use	Opioids
MBD026	F1121	Opioid dependence, in remission	Substance Use	Opioids
MBD026	F1211	Cannabis abuse, in remission	Substance Use	Cannabis
MBD026	F1221	Cannabis dependence, in remission	Substance Use	Cannabis
MBD026	F1311	Sedative, hypnotic or anxiolytic abuse, in remission	Substance Use	Sedatives
MBD026	F1321	Sedative, hypnotic or anxiolytic dependence, in remission	Substance Use	Sedatives
MBD026	F1411	Cocaine abuse, in remission	Substance Use	Cocaine
MBD026	F1421	Cocaine dependence, in remission	Substance Use	Cocaine
MBD026	F1511	Other stimulant abuse, in remission	Substance Use	Stimulants
MBD026	F1521	Other stimulant dependence, in remission	Substance Use	Stimulants
MBD026	F1611	Hallucinogen abuse, in remission	Substance Use	Hallucinogens
MBD026	F1621	Hallucinogen dependence, in remission	Substance Use	Hallucinogens
MBD026	F1811	Inhalant abuse, in remission	Substance Use	Other Substance Use
MBD026	F1821	Inhalant dependence, in remission	Substance Use	Other Substance Use
MBD026	F1911	Other psychoactive substance abuse, in remission	Substance Use	Other Substance Use
MBD026	F1921	Other psychoactive substance dependence, in remission	Substance Use	Other Substance Use
MBD026	F304	Manic episode in full remission	Mental Health	Mood
MBD026	F3170	Bipolar disorder, currently in remission, most recent episode unspecified	Mental Health	Mood
MBD026	F3172	Bipolar disorder, in full remission, most recent episode hypomanic	Mental Health	Mood
MBD026	F3174	Bipolar disorder, in full remission, most recent episode manic	Mental Health	Mood
MBD026	F3176	Bipolar disorder, in full remission, most recent episode depressed	Mental Health	Mood
MBD026	F3178	Bipolar disorder, in full remission, most recent episode mixed	Mental Health	Mood
MBD026	F325	Major depressive disorder, single episode, in full remission	Mental Health	Mood
MBD026	F3340	Major depressive disorder, recurrent, in remission, unspecified	Mental Health	Mood
MBD026	F3342	Major depressive disorder, recurrent, in full remission	Mental Health	Mood
MBD034	T1491XS	Suicide attempt, sequela	Mental Health	Suicide
MBD034	T360X2S	Poisoning by penicillins, intentional self-harm, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T361X2S	Poisoning by cephalosporins and other beta-lactam antibiotics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T362X2S	Poisoning by chloramphenicol group, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T363X2S	Poisoning by macrolides, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T364X2S	Poisoning by tetracyclines, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T365X2S	Poisoning by aminoglycosides, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T366X2S	Poisoning by rifampicins, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T367X2S	Poisoning by antifungal antibiotics, systemically used, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T368X2S	Poisoning by other systemic antibiotics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T3692XS	Poisoning by unspecified systemic antibiotic, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T370X2S	Poisoning by sulfonamides, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T371X2S	Poisoning by antimycobacterial drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T372X2S	Poisoning by antimalarials and drugs acting on other blood protozoa, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T373X2S	Poisoning by other antiprotozoal drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T374X2S	Poisoning by anthelmintics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T375X2S	Poisoning by antiviral drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T378X2S	Poisoning by other specified systemic anti-infectives and antiparasitics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T3792XS	Poisoning by unspecified systemic anti-infective and antiparasitics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T380X2S	Poisoning by glucocorticoids and synthetic analogues, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T381X2S	Poisoning by thyroid hormones and substitutes, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T382X2S	Poisoning by antithyroid drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T383X2S	Poisoning by insulin and oral hypoglycemic [antidiabetic] drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T384X2S	Poisoning by oral contraceptives, intentional self-harm, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T385X2S	Poisoning by other estrogens and progestogens, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T386X2S	Poisoning by antigonadotrophins, antiestrogens, antiandrogens, not elsewhere classified, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T387X2S	Poisoning by androgens and anabolic congeners, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T38802S	Poisoning by unspecified hormones and synthetic substitutes, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T38812S	Poisoning by anterior pituitary [adenohypophyseal] hormones, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T38892S	Poisoning by other hormones and synthetic substitutes, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T38902S	Poisoning by unspecified hormone antagonists, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T38992S	Poisoning by other hormone antagonists, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T39012S	Poisoning by aspirin, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T39092S	Poisoning by salicylates, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T391X2S	Poisoning by 4-Aminophenol derivatives, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T392X2S	Poisoning by pyrazolone derivatives, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T39312S	Poisoning by propionic acid derivatives, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T39392S	Poisoning by other nonsteroidal anti-inflammatory drugs [NSAID], intentional self-harm, sequela	Mental Health	Suicide
MBD034	T394X2S	Poisoning by antirheumatics, not elsewhere classified, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T398X2S	Poisoning by other nonopioid analgesics and antipyretics, not elsewhere classified, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T3992XS	Poisoning by unspecified nonopioid analgesic, antipyretic and antirheumatic, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T400X1S	Poisoning by opium, accidental (unintentional), sequela	Substance Use	Opioids
MBD034	T400X2S	Poisoning by opium, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T400X3S	Poisoning by opium, assault, sequela	Substance Use	Opioids
MBD034	T400X4S	Poisoning by opium, undetermined, sequela	Substance Use	Opioids
MBD034	T400X5S	Adverse effect of opium, sequela	Substance Use	Opioids
MBD034	T401X1S	Poisoning by heroin, accidental (unintentional), sequela	Substance Use	Opioids
MBD034	T401X2S	Poisoning by heroin, intentional self-harm, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T401X3S	Poisoning by heroin, assault, sequela	Substance Use	Opioids
MBD034	T401X4S	Poisoning by heroin, undetermined, sequela	Substance Use	Opioids
MBD034	T402X1S	Poisoning by other opioids, accidental (unintentional), sequela	Substance Use	Opioids
MBD034	T402X2S	Poisoning by other opioids, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T402X3S	Poisoning by other opioids, assault, sequela	Substance Use	Opioids
MBD034	T402X4S	Poisoning by other opioids, undetermined, sequela	Substance Use	Opioids
MBD034	T402X5S	Adverse effect of other opioids, sequela	Substance Use	Opioids
MBD034	T403X1S	Poisoning by methadone, accidental (unintentional), sequela	Substance Use	Opioids
MBD034	T403X2S	Poisoning by methadone, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T403X3S	Poisoning by methadone, assault, sequela	Substance Use	Opioids
MBD034	T403X4S	Poisoning by methadone, undetermined, sequela	Substance Use	Opioids
MBD034	T403X5S	Adverse effect of methadone, sequela	Substance Use	Opioids
MBD034	T40411S	Poisoning by fentanyl or fentanyl analogs, accidental (unintentional), sequela	Substance Use	Opioids
MBD034	T40412S	Poisoning by fentanyl or fentanyl analogs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T40413S	Poisoning by fentanyl or fentanyl analogs, assault, sequela	Substance Use	Opioids
MBD034	T40414S	Poisoning by fentanyl or fentanyl analogs, undetermined, sequela	Substance Use	Opioids
MBD034	T40415S	Adverse effect of fentanyl or fentanyl analogs, sequela	Substance Use	Opioids
MBD034	T40421S	Poisoning by tramadol, accidental (unintentional), sequela	Substance Use	Opioids
MBD034	T40422S	Poisoning by tramadol, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T40423S	Poisoning by tramadol, assault, sequela	Substance Use	Opioids
MBD034	T40424S	Poisoning by tramadol, undetermined, sequela	Substance Use	Opioids
MBD034	T40425S	Adverse effect of tramadol, sequela	Substance Use	Opioids
MBD034	T40491S	Poisoning by other synthetic narcotics, accidental (unintentional), sequela	Substance Use	Opioids
MBD034	T40492S	Poisoning by other synthetic narcotics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T40493S	Poisoning by other synthetic narcotics, assault, sequela	Substance Use	Opioids
MBD034	T40494S	Poisoning by other synthetic narcotics, undetermined, sequela	Substance Use	Opioids
MBD034	T40495S	Adverse effect of other synthetic narcotics, sequela	Substance Use	Opioids

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T404X1S	Poisoning by other synthetic narcotics, accidental (unintentional), sequela	Substance Use	Opioids
MBD034	T404X2S	Poisoning by other synthetic narcotics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T404X3S	Poisoning by other synthetic narcotics, assault, sequela	Substance Use	Opioids
MBD034	T404X4S	Poisoning by other synthetic narcotics, undetermined, sequela	Substance Use	Opioids
MBD034	T404X5S	Adverse effect of other synthetic narcotics, sequela	Substance Use	Opioids
MBD034	T405X1S	Poisoning by cocaine, accidental (unintentional), sequela	Substance Use	Cocaine
MBD034	T405X2S	Poisoning by cocaine, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T405X3S	Poisoning by cocaine, assault, sequela	Substance Use	Cocaine
MBD034	T405X4S	Poisoning by cocaine, undetermined, sequela	Substance Use	Cocaine
MBD034	T405X5S	Adverse effect of cocaine, sequela	Substance Use	Cocaine
MBD034	T40601S	Poisoning by unspecified narcotics, accidental (unintentional), sequela	Substance Use	Opioids
MBD034	T40602S	Poisoning by unspecified narcotics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T40603S	Poisoning by unspecified narcotics, assault, sequela	Substance Use	Opioids
MBD034	T40604S	Poisoning by unspecified narcotics, undetermined, sequela	Substance Use	Opioids
MBD034	T40605S	Adverse effect of unspecified narcotics, sequela	Substance Use	Opioids
MBD034	T40691S	Poisoning by other narcotics, accidental (unintentional), sequela	Substance Use	Opioids
MBD034	T40692S	Poisoning by other narcotics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T40693S	Poisoning by other narcotics, assault, sequela	Substance Use	Opioids
MBD034	T40694S	Poisoning by other narcotics, undetermined, sequela	Substance Use	Opioids
MBD034	T40695S	Adverse effect of other narcotics, sequela	Substance Use	Opioids
MBD034	T407X1S	Poisoning by cannabis (derivatives), accidental (unintentional), sequela	Substance Use	Cannabis
MBD034	T407X2S	Poisoning by cannabis (derivatives), intentional self-harm, sequela	Mental Health	Suicide
MBD034	T407X3S	Poisoning by cannabis (derivatives), assault, sequela	Substance Use	Cannabis
MBD034	T407X4S	Poisoning by cannabis (derivatives), undetermined, sequela	Substance Use	Cannabis
MBD034	T407X5S	Adverse effect of cannabis (derivatives), sequela	Substance Use	Cannabis
MBD034	T40711S	Poisoning by cannabis, accidental (unintentional), sequela	Substance Use	Cannabis

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T40712S	Poisoning by cannabis, intentional self-harm, sequela	Substance Use	Cannabis
MBD034	T40712S	Poisoning by cannabis, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T40713S	Poisoning by cannabis, assault, sequela	Substance Use	Cannabis
MBD034	T40714S	Poisoning by cannabis, undetermined, sequela	Substance Use	Cannabis
MBD034	T40721S	Poisoning by synthetic cannabinoids, accidental (unintentional), sequela	Substance Use	Cannabis
MBD034	T40722S	Poisoning by synthetic cannabinoids, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T40722S	Poisoning by synthetic cannabinoids, intentional self-harm, sequela	Substance Use	Cannabis
MBD034	T40723S	Poisoning by synthetic cannabinoids, assault, sequela	Substance Use	Cannabis
MBD034	T40724S	Poisoning by synthetic cannabinoids, undetermined, sequela	Substance Use	Cannabis
MBD034	T408X1S	Poisoning by lysergide [LSD], accidental (unintentional), sequela	Substance Use	Hallucinogens
MBD034	T408X2S	Poisoning by lysergide [LSD], intentional self-harm, sequela	Mental Health	Suicide
MBD034	T408X3S	Poisoning by lysergide [LSD], assault, sequela	Substance Use	Hallucinogens
MBD034	T408X4S	Poisoning by lysergide [LSD], undetermined, sequela	Substance Use	Hallucinogens
MBD034	T40901S	Poisoning by unspecified psychodysleptics [hallucinogens], accidental (unintentional), sequela	Substance Use	Hallucinogens
MBD034	T40902S	Poisoning by unspecified psychodysleptics [hallucinogens], intentional self-harm, sequela	Mental Health	Suicide
MBD034	T40903S	Poisoning by unspecified psychodysleptics [hallucinogens], assault, sequela	Substance Use	Hallucinogens
MBD034	T40904S	Poisoning by unspecified psychodysleptics [hallucinogens], undetermined, sequela	Substance Use	Hallucinogens
MBD034	T40905S	Adverse effect of unspecified psychodysleptics [hallucinogens], sequela	Substance Use	Hallucinogens
MBD034	T40991S	Poisoning by other psychodysleptics [hallucinogens], accidental (unintentional), sequela	Substance Use	Hallucinogens
MBD034	T40992S	Poisoning by other psychodysleptics [hallucinogens], intentional self-harm, sequela	Mental Health	Suicide
MBD034	T40993S	Poisoning by other psychodysleptics [hallucinogens], assault, sequela	Substance Use	Hallucinogens
MBD034	T40994S	Poisoning by other psychodysleptics [hallucinogens], undetermined, sequela	Substance Use	Hallucinogens

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T40995S	Adverse effect of other psychodysleptics [hallucinogens], sequela	Substance Use	Hallucinogens
MBD034	T410X1S	Poisoning by inhaled anesthetics, accidental (unintentional), sequela	Substance Use	Other Substance Use
MBD034	T410X2S	Poisoning by inhaled anesthetics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T410X3S	Poisoning by inhaled anesthetics, assault, sequela	Substance Use	Other Substance Use
MBD034	T410X4S	Poisoning by inhaled anesthetics, undetermined, sequela	Substance Use	Other Substance Use
MBD034	T410X5S	Adverse effect of inhaled anesthetics, sequela	Substance Use	Other Substance Use
MBD034	T411X2S	Poisoning by intravenous anesthetics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T41202S	Poisoning by unspecified general anesthetics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T41292S	Poisoning by other general anesthetics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T413X2S	Poisoning by local anesthetics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T4142XS	Poisoning by unspecified anesthetic, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T415X2S	Poisoning by therapeutic gases, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T420X2S	Poisoning by hydantoin derivatives, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T422X2S	Poisoning by succinimides and oxazolinediones, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T423X2S	Poisoning by barbiturates, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T424X2S	Poisoning by benzodiazepines, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T425X2S	Poisoning by mixed antiepileptics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T426X1S	Poisoning by other antiepileptic and sedative-hypnotic drugs, accidental (unintentional), sequela	Substance Use	Sedatives
MBD034	T426X2S	Poisoning by other antiepileptic and sedative-hypnotic drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T426X3S	Poisoning by other antiepileptic and sedative-hypnotic drugs, assault, sequela	Substance Use	Sedatives
MBD034	T426X4S	Poisoning by other antiepileptic and sedative-hypnotic drugs, undetermined, sequela	Substance Use	Sedatives
MBD034	T426X5S	Adverse effect of other antiepileptic and sedative-hypnotic drugs, sequela	Substance Use	Sedatives

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T4271XS	Poisoning by unspecified antiepileptic and sedative-hypnotic drugs, accidental (unintentional), sequela	Substance Use	Sedatives
MBD034	T4272XS	Poisoning by unspecified antiepileptic and sedative-hypnotic drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T4273XS	Poisoning by unspecified antiepileptic and sedative-hypnotic drugs, assault, sequela	Substance Use	Sedatives
MBD034	T4274XS	Poisoning by unspecified antiepileptic and sedative-hypnotic drugs, undetermined, sequela	Substance Use	Sedatives
MBD034	T4275XS	Adverse effect of unspecified antiepileptic and sedative-hypnotic drugs, sequela	Substance Use	Sedatives
MBD034	T428X2S	Poisoning by antiparkinsonism drugs and other central muscle-tone depressants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43012S	Poisoning by tricyclic antidepressants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43022S	Poisoning by tetracyclic antidepressants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T431X2S	Poisoning by monoamine-oxidase-inhibitor antidepressants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43202S	Poisoning by unspecified antidepressants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43205S	Adverse effect of unspecified antidepressants, sequela	Substance Use	Other Substance Use
MBD034	T43212S	Poisoning by selective serotonin and norepinephrine reuptake inhibitors, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43222S	Poisoning by selective serotonin reuptake inhibitors, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43292S	Poisoning by other antidepressants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T433X2S	Poisoning by phenothiazine antipsychotics and neuroleptics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T434X2S	Poisoning by butyrophenone and thiothixene neuroleptics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43502S	Poisoning by unspecified antipsychotics and neuroleptics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43592S	Poisoning by other antipsychotics and neuroleptics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43601S	Poisoning by unspecified psychostimulants, accidental (unintentional), sequela	Substance Use	Stimulants
MBD034	T43602S	Poisoning by unspecified psychostimulants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43603S	Poisoning by unspecified psychostimulants, assault, sequela	Substance Use	Stimulants

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T43604S	Poisoning by unspecified psychostimulants, undetermined, sequela	Substance Use	Stimulants
MBD034	T43605S	Adverse effect of unspecified psychostimulants, sequela	Substance Use	Stimulants
MBD034	T43611S	Poisoning by caffeine, accidental (unintentional), sequela	Substance Use	Stimulants
MBD034	T43612S	Poisoning by caffeine, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43613S	Poisoning by caffeine, assault, sequela	Substance Use	Stimulants
MBD034	T43614S	Poisoning by caffeine, undetermined, sequela	Substance Use	Stimulants
MBD034	T43615S	Adverse effect of caffeine, sequela	Substance Use	Stimulants
MBD034	T43621S	Poisoning by amphetamines, accidental (unintentional), sequela	Substance Use	Stimulants
MBD034	T43622S	Poisoning by amphetamines, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43623S	Poisoning by amphetamines, assault, sequela	Substance Use	Stimulants
MBD034	T43624S	Poisoning by amphetamines, undetermined, sequela	Substance Use	Stimulants
MBD034	T43625S	Adverse effect of amphetamines, sequela	Substance Use	Stimulants
MBD034	T43631S	Poisoning by methylphenidate, accidental (unintentional), sequela	Substance Use	Stimulants
MBD034	T43632S	Poisoning by methylphenidate, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43633S	Poisoning by methylphenidate, assault, sequela	Substance Use	Stimulants
MBD034	T43634S	Poisoning by methylphenidate, undetermined, sequela	Substance Use	Stimulants
MBD034	T43635S	Adverse effect of methylphenidate, sequela	Substance Use	Stimulants
MBD034	T43641S	Poisoning by ecstasy, accidental (unintentional), sequela	Substance Use	Stimulants
MBD034	T43642S	Poisoning by ecstasy, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43643S	Poisoning by ecstasy, assault, sequela	Substance Use	Stimulants
MBD034	T43644S	Poisoning by ecstasy, undetermined, sequela	Substance Use	Stimulants
MBD034	T43691S	Poisoning by other psychostimulants, accidental (unintentional), sequela	Substance Use	Stimulants
MBD034	T43692S	Poisoning by other psychostimulants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T43693S	Poisoning by other psychostimulants, assault, sequela	Substance Use	Stimulants
MBD034	T43694S	Poisoning by other psychostimulants, undetermined, sequela	Substance Use	Stimulants
MBD034	T43695S	Adverse effect of other psychostimulants, sequela	Substance Use	Stimulants
MBD034	T438X2S	Poisoning by other psychotropic drugs, intentional self-harm, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T4392XS	Poisoning by unspecified psychotropic drug, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T440X2S	Poisoning by anticholinesterase agents, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T441X2S	Poisoning by other parasympathomimetics [cholinergics], intentional self-harm, sequela	Mental Health	Suicide
MBD034	T442X2S	Poisoning by ganglionic blocking drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T443X2S	Poisoning by other parasympatholytics [anticholinergics and antimuscarinics] and spasmolytics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T444X2S	Poisoning by predominantly alpha-adrenoreceptor agonists, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T445X2S	Poisoning by predominantly beta-adrenoreceptor agonists, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T446X2S	Poisoning by alpha-adrenoreceptor antagonists, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T447X2S	Poisoning by beta-adrenoreceptor antagonists, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T448X2S	Poisoning by centrally-acting and adrenergic-neuron-blocking agents, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T44902S	Poisoning by unspecified drugs primarily affecting the autonomic nervous system, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T44992S	Poisoning by other drug primarily affecting the autonomic nervous system, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T450X2S	Poisoning by antiallergic and antiemetic drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T451X2S	Poisoning by antineoplastic and immunosuppressive drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T452X2S	Poisoning by vitamins, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T453X2S	Poisoning by enzymes, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T454X2S	Poisoning by iron and its compounds, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T45512S	Poisoning by anticoagulants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T45522S	Poisoning by antithrombotic drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T45602S	Poisoning by unspecified fibrinolysis-affecting drugs, intentional self-harm, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T45612S	Poisoning by thrombolytic drug, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T45622S	Poisoning by hemostatic drug, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T45692S	Poisoning by other fibrinolysis-affecting drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T457X2S	Poisoning by anticoagulant antagonists, vitamin K and other coagulants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T458X2S	Poisoning by other primarily systemic and hematological agents, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T4592XS	Poisoning by unspecified primarily systemic and hematological agent, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T460X2S	Poisoning by cardiac-stimulant glycosides and drugs of similar action, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T461X2S	Poisoning by calcium-channel blockers, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T462X2S	Poisoning by other antidysrhythmic drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T463X2S	Poisoning by coronary vasodilators, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T464X2S	Poisoning by angiotensin-converting-enzyme inhibitors, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T465X2S	Poisoning by other antihypertensive drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T466X2S	Poisoning by antihyperlipidemic and antiarteriosclerotic drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T467X2S	Poisoning by peripheral vasodilators, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T468X2S	Poisoning by antivaricose drugs, including sclerosing agents, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T46902S	Poisoning by unspecified agents primarily affecting the cardiovascular system, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T46992S	Poisoning by other agents primarily affecting the cardiovascular system, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T470X2S	Poisoning by histamine H2-receptor blockers, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T471X2S	Poisoning by other antacids and anti-gastric-secretion drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T472X2S	Poisoning by stimulant laxatives, intentional self-harm, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T473X2S	Poisoning by saline and osmotic laxatives, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T474X2S	Poisoning by other laxatives, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T475X2S	Poisoning by digestants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T476X2S	Poisoning by antidiarrheal drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T477X2S	Poisoning by emetics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T478X2S	Poisoning by other agents primarily affecting gastrointestinal system, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T4792XS	Poisoning by unspecified agents primarily affecting the gastrointestinal system, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T480X2S	Poisoning by oxytocic drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T481X2S	Poisoning by skeletal muscle relaxants [neuromuscular blocking agents], intentional self-harm, sequela	Mental Health	Suicide
MBD034	T48202S	Poisoning by unspecified drugs acting on muscles, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T48292S	Poisoning by other drugs acting on muscles, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T483X2S	Poisoning by antitussives, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T484X2S	Poisoning by expectorants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T485X2S	Poisoning by other anti-common-cold drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T486X2S	Poisoning by antiasthmatics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T48902S	Poisoning by unspecified agents primarily acting on the respiratory system, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T48992S	Poisoning by other agents primarily acting on the respiratory system, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T490X2S	Poisoning by local antifungal, anti-infective and anti-inflammatory drugs, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T491X2S	Poisoning by antipruritics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T492X2S	Poisoning by local astringents and local detergents, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T493X2S	Poisoning by emollients, demulcents and protectants, intentional self-harm, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T494X2S	Poisoning by keratolytics, keratoplastics, and other hair treatment drugs and preparations, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T495X2S	Poisoning by ophthalmological drugs and preparations, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T496X2S	Poisoning by otorhinolaryngological drugs and preparations, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T497X2S	Poisoning by dental drugs, topically applied, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T498X2S	Poisoning by other topical agents, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T4992XS	Poisoning by unspecified topical agent, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T500X2S	Poisoning by mineralocorticoids and their antagonists, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T501X2S	Poisoning by loop [high-ceiling] diuretics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T502X2S	Poisoning by carbonic-anhydrase inhibitors, benzothiadiazides and other diuretics, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T503X2S	Poisoning by electrolytic, caloric and water-balance agents, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T504X2S	Poisoning by drugs affecting uric acid metabolism, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T505X2S	Poisoning by appetite depressants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T506X2S	Poisoning by antidotes and chelating agents, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T507X2S	Poisoning by analeptics and opioid receptor antagonists, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T508X2S	Poisoning by diagnostic agents, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T50902S	Poisoning by unspecified drugs, medicaments and biological substances, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T50912S	Poisoning by multiple unspecified drugs, medicaments and biological substances, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T50992S	Poisoning by other drugs, medicaments and biological substances, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T50A12S	Poisoning by pertussis vaccine, including combinations with a pertussis component, intentional self-harm, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T50A22S	Poisoning by mixed bacterial vaccines without a pertussis component, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T50A92S	Poisoning by other bacterial vaccines, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T50B12S	Poisoning by smallpox vaccines, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T50B92S	Poisoning by other viral vaccines, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T50Z12S	Poisoning by immunoglobulin, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T50Z92S	Poisoning by other vaccines and biological substances, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T510X2S	Toxic effect of ethanol, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T511X2S	Toxic effect of methanol, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T512X2S	Toxic effect of 2-Propanol, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T513X2S	Toxic effect of fusel oil, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T518X2S	Toxic effect of other alcohols, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T5192XS	Toxic effect of unspecified alcohol, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T520X2S	Toxic effect of petroleum products, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T521X2S	Toxic effect of benzene, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T522X2S	Toxic effect of homologues of benzene, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T523X2S	Toxic effect of glycols, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T524X2S	Toxic effect of ketones, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T528X2S	Toxic effect of other organic solvents, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T5292XS	Toxic effect of unspecified organic solvent, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T530X2S	Toxic effect of carbon tetrachloride, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T531X2S	Toxic effect of chloroform, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T532X2S	Toxic effect of trichloroethylene, intentional self-harm, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T533X2S	Toxic effect of tetrachloroethylene, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T534X2S	Toxic effect of dichloromethane, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T535X2S	Toxic effect of chlorofluorocarbons, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T536X2S	Toxic effect of other halogen derivatives of aliphatic hydrocarbons, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T537X2S	Toxic effect of other halogen derivatives of aromatic hydrocarbons, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T5392XS	Toxic effect of unspecified halogen derivatives of aliphatic and aromatic hydrocarbons, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T540X2S	Toxic effect of phenol and phenol homologues, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T541X2S	Toxic effect of other corrosive organic compounds, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T542X2S	Toxic effect of corrosive acids and acid-like substances, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T543X2S	Toxic effect of corrosive alkalis and alkali-like substances, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T5492XS	Toxic effect of unspecified corrosive substance, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T550X2S	Toxic effect of soaps, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T551X2S	Toxic effect of detergents, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T560X2S	Toxic effect of lead and its compounds, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T561X2S	Toxic effect of mercury and its compounds, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T562X2S	Toxic effect of chromium and its compounds, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T563X2S	Toxic effect of cadmium and its compounds, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T564X2S	Toxic effect of copper and its compounds, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T565X2S	Toxic effect of zinc and its compounds, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T566X2S	Toxic effect of tin and its compounds, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T567X2S	Toxic effect of beryllium and its compounds, intentional self-harm, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T56812S	Toxic effect of thallium, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T56892S	Toxic effect of other metals, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T5692XS	Toxic effect of unspecified metal, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T570X2S	Toxic effect of arsenic and its compounds, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T571X2S	Toxic effect of phosphorus and its compounds, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T572X2S	Toxic effect of manganese and its compounds, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T573X2S	Toxic effect of hydrogen cyanide, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T578X2S	Toxic effect of other specified inorganic substances, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T5792XS	Toxic effect of unspecified inorganic substance, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T5802XS	Toxic effect of carbon monoxide from motor vehicle exhaust, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T5812XS	Toxic effect of carbon monoxide from utility gas, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T582X2S	Toxic effect of carbon monoxide from incomplete combustion of other domestic fuels, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T588X2S	Toxic effect of carbon monoxide from other source, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T5892XS	Toxic effect of carbon monoxide from unspecified source, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T590X2S	Toxic effect of nitrogen oxides, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T591X2S	Toxic effect of sulfur dioxide, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T592X2S	Toxic effect of formaldehyde, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T593X2S	Toxic effect of lacrimogenic gas, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T594X2S	Toxic effect of chlorine gas, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T595X2S	Toxic effect of fluorine gas and hydrogen fluoride, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T596X2S	Toxic effect of hydrogen sulfide, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T597X2S	Toxic effect of carbon dioxide, intentional self-harm, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T59812S	Toxic effect of smoke, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T59892S	Toxic effect of other specified gases, fumes and vapors, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T5992XS	Toxic effect of unspecified gases, fumes and vapors, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T600X2S	Toxic effect of organophosphate and carbamate insecticides, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T601X2S	Toxic effect of halogenated insecticides, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T602X2S	Toxic effect of other insecticides, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T603X2S	Toxic effect of herbicides and fungicides, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T604X2S	Toxic effect of rodenticides, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T608X2S	Toxic effect of other pesticides, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T6092XS	Toxic effect of unspecified pesticide, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T6102XS	Ciguatera fish poisoning, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T6112XS	Scombroid fish poisoning, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T61772S	Other fish poisoning, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T61782S	Other shellfish poisoning, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T618X2S	Toxic effect of other seafood, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T6192XS	Toxic effect of unspecified seafood, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T620X2S	Toxic effect of ingested mushrooms, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T621X2S	Toxic effect of ingested berries, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T622X2S	Toxic effect of other ingested (parts of) plant(s), intentional self-harm, sequela	Mental Health	Suicide
MBD034	T628X2S	Toxic effect of other specified noxious substances eaten as food, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T6292XS	Toxic effect of unspecified noxious substance eaten as food, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63002S	Toxic effect of unspecified snake venom, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63012S	Toxic effect of rattlesnake venom, intentional self-harm, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T63022S	Toxic effect of coral snake venom, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63032S	Toxic effect of taipan venom, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63042S	Toxic effect of cobra venom, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63062S	Toxic effect of venom of other North and South American snake, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63072S	Toxic effect of venom of other Australian snake, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63082S	Toxic effect of venom of other African and Asian snake, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63092S	Toxic effect of venom of other snake, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63112S	Toxic effect of venom of gila monster, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63122S	Toxic effect of venom of other venomous lizard, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63192S	Toxic effect of venom of other reptiles, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T632X2S	Toxic effect of venom of scorpion, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63302S	Toxic effect of unspecified spider venom, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63312S	Toxic effect of venom of black widow spider, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63322S	Toxic effect of venom of tarantula, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63332S	Toxic effect of venom of brown recluse spider, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63392S	Toxic effect of venom of other spider, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63412S	Toxic effect of venom of centipedes and venomous millipedes, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63422S	Toxic effect of venom of ants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63432S	Toxic effect of venom of caterpillars, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63442S	Toxic effect of venom of bees, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63452S	Toxic effect of venom of hornets, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63462S	Toxic effect of venom of wasps, intentional self-harm, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T63482S	Toxic effect of venom of other arthropod, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63512S	Toxic effect of contact with stingray, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63592S	Toxic effect of contact with other venomous fish, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63612S	Toxic effect of contact with Portugese Man-o-war, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63622S	Toxic effect of contact with other jellyfish, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63632S	Toxic effect of contact with sea anemone, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63692S	Toxic effect of contact with other venomous marine animals, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63712S	Toxic effect of contact with venomous marine plant, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63792S	Toxic effect of contact with other venomous plant, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63812S	Toxic effect of contact with venomous frog, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63822S	Toxic effect of contact with venomous toad, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63832S	Toxic effect of contact with other venomous amphibian, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T63892S	Toxic effect of contact with other venomous animals, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T6392XS	Toxic effect of contact with unspecified venomous animal, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T6402XS	Toxic effect of aflatoxin, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T6482XS	Toxic effect of other mycotoxin food contaminants, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T650X2S	Toxic effect of cyanides, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T651X2S	Toxic effect of strychnine and its salts, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T65212S	Toxic effect of chewing tobacco, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T65222S	Toxic effect of tobacco cigarettes, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T65292S	Toxic effect of other tobacco and nicotine, intentional self-harm, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	T653X2S	Toxic effect of nitroderivatives and aminoderivatives of benzene and its homologues, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T654X2S	Toxic effect of carbon disulfide, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T655X2S	Toxic effect of nitroglycerin and other nitric acids and esters, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T656X2S	Toxic effect of paints and dyes, not elsewhere classified, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T65812S	Toxic effect of latex, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T65822S	Toxic effect of harmful algae and algae toxins, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T65832S	Toxic effect of fiberglass, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T65892S	Toxic effect of other specified substances, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T6592XS	Toxic effect of unspecified substance, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T71112S	Asphyxiation due to smothering under pillow, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T71122S	Asphyxiation due to plastic bag, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T71132S	Asphyxiation due to being trapped in bed linens, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T71152S	Asphyxiation due to smothering in furniture, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T71162S	Asphyxiation due to hanging, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T71192S	Asphyxiation due to mechanical threat to breathing due to other causes, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T71222S	Asphyxiation due to being trapped in a car trunk, intentional self-harm, sequela	Mental Health	Suicide
MBD034	T71232S	Asphyxiation due to being trapped in a (discarded) refrigerator, intentional self-harm, sequela	Mental Health	Suicide
MBD034	X710XXS	Intentional self-harm by drowning and submersion while in bathtub, sequela	Mental Health	Suicide
MBD034	X711XXS	Intentional self-harm by drowning and submersion while in swimming pool, sequela	Mental Health	Suicide
MBD034	X712XXS	Intentional self-harm by drowning and submersion after jump into swimming pool, sequela	Mental Health	Suicide
MBD034	X713XXS	Intentional self-harm by drowning and submersion in natural water, sequela	Mental Health	Suicide
MBD034	X718XXS	Other intentional self-harm by drowning and submersion, sequela	Mental Health	Suicide

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MBD034	X719XXS	Intentional self-harm by drowning and submersion, unspecified, sequela	Mental Health	Suicide
MBD034	X72XXXS	Intentional self-harm by handgun discharge, sequela	Mental Health	Suicide
MBD034	X730XXS	Intentional self-harm by shotgun discharge, sequela	Mental Health	Suicide
MBD034	X731XXS	Intentional self-harm by hunting rifle discharge, sequela	Mental Health	Suicide
MBD034	X732XXS	Intentional self-harm by machine gun discharge, sequela	Mental Health	Suicide
MBD034	X738XXS	Intentional self-harm by other larger firearm discharge, sequela	Mental Health	Suicide
MBD034	X739XXS	Intentional self-harm by unspecified larger firearm discharge, sequela	Mental Health	Suicide
MBD034	X7401XS	Intentional self-harm by airgun, sequela	Mental Health	Suicide
MBD034	X7402XS	Intentional self-harm by paintball gun, sequela	Mental Health	Suicide
MBD034	X7409XS	Intentional self-harm by other gas, air or spring-operated gun, sequela	Mental Health	Suicide
MBD034	X748XXS	Intentional self-harm by other firearm discharge, sequela	Mental Health	Suicide
MBD034	X749XXS	Intentional self-harm by unspecified firearm discharge, sequela	Mental Health	Suicide
MBD034	X75XXXS	Intentional self-harm by explosive material, sequela	Mental Health	Suicide
MBD034	X76XXXS	Intentional self-harm by smoke, fire and flames, sequela	Mental Health	Suicide
MBD034	X770XXS	Intentional self-harm by steam or hot vapors, sequela	Mental Health	Suicide
MBD034	X771XXS	Intentional self-harm by hot tap water, sequela	Mental Health	Suicide
MBD034	X772XXS	Intentional self-harm by other hot fluids, sequela	Mental Health	Suicide
MBD034	X773XXS	Intentional self-harm by hot household appliances, sequela	Mental Health	Suicide
MBD034	X778XXS	Intentional self-harm by other hot objects, sequela	Mental Health	Suicide
MBD034	X779XXS	Intentional self-harm by unspecified hot objects, sequela	Mental Health	Suicide
MBD034	X780XXS	Intentional self-harm by sharp glass, sequela	Mental Health	Suicide
MBD034	X781XXS	Intentional self-harm by knife, sequela	Mental Health	Suicide
MBD034	X782XXS	Intentional self-harm by sword or dagger, sequela	Mental Health	Suicide
MBD034	X788XXS	Intentional self-harm by other sharp object, sequela	Mental Health	Suicide
MBD034	X789XXS	Intentional self-harm by unspecified sharp object, sequela	Mental Health	Suicide
MBD034	X79XXXS	Intentional self-harm by blunt object, sequela	Mental Health	Suicide
MBD034	X80XXXS	Intentional self-harm by jumping from a high place, sequela	Mental Health	Suicide

CCSR CATEGORY	ICD-10 CODE	ICD-10 CODE DESCRIPTION	OVERALL BH CATEGORY	BH DIAGNOSIS CATEGORY
MBD034	X810XXS	Intentional self-harm by jumping or lying in front of motor vehicle, sequela	Mental Health	Suicide
MBD034	X811XXS	Intentional self-harm by jumping or lying in front of (subway) train, sequela	Mental Health	Suicide
MBD034	X818XXS	Intentional self-harm by jumping or lying in front of other moving object, sequela	Mental Health	Suicide
MBD034	X828XXS	Other intentional self-harm by crashing of motor vehicle, sequela	Mental Health	Suicide
MBD034	X830XXS	Intentional self-harm by crashing of aircraft, sequela	Mental Health	Suicide
MBD034	X831XXS	Intentional self-harm by electrocution, sequela	Mental Health	Suicide
MBD034	X832XXS	Intentional self-harm by exposure to extremes of cold, sequela	Mental Health	Suicide
MBD034	X838XXS	Intentional self-harm by other specified means, sequela	Mental Health	Suicide