

Disclaimer

The following report(s) provides findings from an FDA-initiated query using Sentinel. While Sentinel queries may be undertaken to assess potential medical product safety risks, they may also be initiated for various other reasons. Some examples include determining a rate or count of an identified health outcome of interest, examining medical product use, exploring the feasibility of future, more detailed analyses within Sentinel, and seeking to better understand Sentinel capabilities.

Data obtained through Sentinel are intended to complement other types of evidence such as preclinical studies, clinical trials, postmarket studies, and adverse event reports, all of which are used by FDA to inform regulatory decisions regarding medical product safety. The information contained in this report is provided as part of FDA's commitment to place knowledge acquired from Sentinel in the public domain as soon as possible. Any public health actions taken by FDA regarding products involved in Sentinel queries will continue to be communicated

FDA wants to emphasize that the fact that FDA has initiated a query involving a medical product and is reporting findings related to that query does not mean that FDA is suggesting health care practitioners should change their prescribing practices for the medical product or that patients taking the medical product should stop using it. Patients who have questions about the use of an identified medical product should contact their health care practitioners.

The following report contains a description of the request, request specifications, and results from the modular program run(s).

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Overview for Request cder_mpl2p_wp020: Report 2 of 4

Request ID: cder mpl2p wp020 nsdp v01

Request Description: In this report we estimated the risk of intentional self-harm comparing brand name sertraline to its authorized generic in the Sentinel Distributed Database. This is report 2 of 4. Report 1 does not include covariates for socioeconomic status in the propensity score models. Report 3 assesses the risk of hospitalized depression. Report 4 assesses the risk of hospitalized depression and includes covariates for socioeconomic status in the propensity score models.

<u>Sentinel Modular Program Module Used:</u> Cohort Identification and Descriptive Analysis (CIDA) and Propensity Score Analysis (PSA) modules, Version 7.3.3, with additional programming

<u>Data Source:</u> The study period spanned from June 30, 2006 to September 30, 2015. We distributed the analytic package to 16 Data Partners (DP) on March 2, 2020. Only the results from nine DPs whose propensity score models converged are included in this report. See Appendix A for a list of the latest dates of available data for each DP included in this report.

<u>Study Design:</u> This study used a retrospective new-user cohort design.

<u>Exposures:</u> We defined the exposures of interest, new use of brand name sertraline compared to authorized generic sertraline, using outpatient dispensing data and National Drug Codes (NDCs). Please refer to Appendix B for generic drug names used to define exposures.

<u>Primary Outcome of Interest:</u> We used a validated algorithm to define intentional self-harm.² The algorithm defines intentional self-harm as evidence of an inpatient mental health diagnosis as well as an inpatient or emergency department self-harm diagnosis on the same day. Both components of the algorithm used International Classification of Disease, Ninth Revision, with Clinical Modification (ICD-9-CM) diagnosis codes. Please see Appendix C for specific diagnosis codes used to define intentional self-harm in this report.

Cohort Eligibility Criteria: We included members' first valid exposure that occurred between June 30, 2006 and September 30, 2015. We required members to be continuously enrolled in health plans with medical and drug coverage for at least 180 days prior to their first qualifying sertraline dispensing date (i.e., index date). The following age groups were included in the cohort: 12-17, 18-24, 25-54, 55+ years. New use was defined as no evidence of any sertraline dispensing in the 180 days prior to index. We required members to have no evidence of a traumatic brain injury diagnosis in the 180 days preceding and including the index date. We required members to have evidence of a mood or depressive disorder diagnosis in the 90 days preceding and including the index date in order to be included in the cohorts. Please see Appendix D for specific ICD-9-CM diagnosis codes used to define traumatic brain injury and mood or depressive disorder. We examined three separate cohorts:

- 1) Risk window 1-14 days: We excluded members if they had evidence of the outcome of interest on the first day of their sertraline treatment episode.
- 2) Risk window 1-365 days: We excluded members if they had evidence of the outcome of interest on the first day of their sertraline treatment episode.
- 3) Risk window 15-365 days: We excluded members if they had evidence of the outcome of interest in the first 14 days of their sertraline treatment episode.

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Follow-up Time: Follow-up time began on the day of first dispensing and continued for the duration of the exposure episode. Exposure episode lengths were defined using outpatient pharmacy dispensing days supplied to create a sequence of continuous exposure. Exposure episodes were considered continuous if gaps in days supplied were 15 days or less. An episode extension of 15 days was added to the end of each exposure episode. Follow-up continued until the first occurrence of any of the following: 1) outcome occurrence; 2) evidence of a dispensing for another antidepressant; 3) evidence of a dispensing for the opposite study drug; 4) disenrollment; 5) recorded death; 6) end of exposure episode; 7) end of query period; 8) end of risk window (defined above). Please see Appendix E for a list of NDCs used to define censoring criteria.

Propensity Score Estimation: The PSA tool calculated propensity scores and identified matched cohorts based on propensity scores within each Data Partner. The following covariates were assessed in the 180 days prior to index date and included in the propensity score estimation: age, year, sex, Charlson/Elixhauser combined comorbidity score¹, health service and drug utilization, recorded history of analgesic opiate use, antipsychotic medication use, anxiety, anxiolytic or hypnotic medication use, behavioral disorders, lithium and other mood stabilizer use, non-sertraline antidepressant use, other psychological disorders, sleep disorder, substance abuse disorder. In addition to the covariates described above, we used the publicly available data from the United States Census Bureau's annual American Community Survey to estimate median income, median home value, and percent of residents who are unemployed for each member by their recorded ZIP code. Please see Appendices F and G for NDC, ICD-9-CM, Healthcare Common Procedure Coding System (HCPCS) codes, and Current Procedural Terminology, Fourth Edition (CPT-4) codes.

Analysis: The matching ratio for the propensity score was 1:n (n≤10). Patients in the exposed and comparator cohorts were nearest neighbor matched, without replacement, to up to 10 exposed patients. The matching caliper was 0.05. For each comparison, we used case-centered logistic regression to calculate relative risks and 95% confidence intervals. We performed a subgroup analysis by stratifying members from the unmatched cohorts based on their age at index: 12-17, 18-24, 25-54, or 55+ years. We rematched patients within each age group and estimated relative risks and 95% confidence intervals for each subgroup.

Please see Appendix H for the specifications of parameters used in this request.

<u>Limitations:</u> Algorithms to define exposures, outcomes, inclusion and exclusion criteria, and covariates are imperfect and may be misclassified. Therefore, data should be interpreted with this limitation in mind.

<u>Notes:</u> Please contact the Sentinel Operations Center (info@sentinelsystem.org) for questions and to provide comments/suggestions for future enhancements to this document.

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¹ Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. J Clin Epidemiol. 2011;64(7):749-759

² Patrick AR, Miller M, Barber CW, Wang PS, Canning CF, Schneeweiss S. Identification of Hospitalizations for Intentional Self-Harm when E-Codes are Incompletely Recorded. Pharmacoepidemiol Drug Saf. 2010; 19(12): 1263-1275



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Glossary of Terms for Analyses Using Cohort Identification and Descriptive Analysis (CIDA) Tool*

Amount Supplied - number of units (pills, tablets, vials) dispensed. Net amount per NDC per dispensing.

Blackout Period - number of days at the beginning of a treatment episode that events are to be ignored. If an event occurs during the blackout period, the episode is excluded.

Care Setting - type of medical encounter or facility where the exposure, event, or condition code was recorded. Possible care settings include: Inpatient Hospital Stay (IP), Non-Acute Institutional Stay (IS), Emergency Department (ED), Ambulatory Visit (AV), and Other Ambulatory Visit (OA). For laboratory results, possible care settings include: Emergency Department (E), Home (H), Inpatient (I), Outpatient (O), or Unknown or Missing (U). The Care Setting, along with the Principal Diagnosis Indicator (PDX), forms the Care Setting/PDX parameter.

Ambulatory Visit (AV) - includes visits at outpatient clinics, same-day surgeries, urgent care visits, and other same-day ambulatory hospital encounters, but excludes emergency department encounters.

Emergency Department (ED) - includes ED encounters that become inpatient stays (in which case inpatient stays would be a separate encounter). Excludes urgent care visits.

Inpatient Hospital Stay (IP) - includes all inpatient stays, same-day hospital discharges, hospital transfers, and acute hospital care where the discharge is after the admission date.

Non-Acute Institutional Stay (IS) - includes hospice, skilled nursing facility (SNF), rehab center, nursing home, residential, overnight non-hospital dialysis and other non-hospital stays.

Other Ambulatory Visit (OA) - includes other non overnight AV encounters such as hospice visits, home health visits, skilled nursing facility visits, other non-hospital visits, as well as telemedicine, telephone and email consultations.

Charlson/Elixhauser Combined Comorbidity Score - calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (e.g., in the 183 days prior to index).

Cohort Definition (drug/exposure) - indicates how the cohort will be defined: 01: Cohort includes only the first valid treatment episode during the query period; 02: Cohort includes all valid treatment episodes during the query period; 03: Cohort includes all valid treatment episodes during the query period until an event occurs.

Computed Start Marketing Date - represents the first observed dispensing date among all valid users within a GROUP (scenario) within each Data Partner site.

Days Supplied - number of days supplied for all dispensings in qualifying treatment episodes.

Eligible Members - number of members eligible for an incident treatment episode (defined by the drug/exposure and event washout periods) with drug and medical coverage during the query period.

Enrollment Gap - number of days allowed between two consecutive enrollment periods without breaking a "continuously enrolled" sequence.

Episodes - treatment episodes; length of episode is determined by days supplied in one dispensing or consecutive dispensings bridged by the episode gap.

Episode Gap - number of days allowed between two (or more) consecutive exposures (dispensings/procedures) to be considered the same treatment episode.

Event Deduplication - specifies how events are counted by the Modular Program (MP) algorithm: 0: Counts all occurrences of a health outcome of interest (HOI) during an exposure episode; 1: de-duplicates occurrences of the same HOI code and code type on the same day; 2: de-duplicates occurrences of the same HOI group on the same day (e.g., de-duplicates at the group level).

Exposure Episode Length - number of days after exposure initiation that is considered "exposed time."

Exposure Extension Period - number of days post treatment period in which the outcomes/events are counted for a treatment episode. Extensions are added after any episode gaps have been bridged.

Lookback Period - number of days wherein a member is required to have evidence of pre-existing condition (diagnosis/procedure/drug dispensing).

Maximum Episode Duration - truncates exposure episodes after a requester-specified number of exposed days. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

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Glossary of Terms for Analyses Using Cohort Identification and Descriptive Analysis (CIDA) Tool*

Member-Years - sum of all days of enrollment with medical and drug coverage in the query period preceded by an exposure washout period all divided by 365.25.

Minimum Days Supplied - specifies a minimum number of days in length of the days supplied for the episode to be considered.

Minimum Episode Duration - specifies a minimum number of days in length of the episode for it to be considered. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

Monitoring Period - used to define time periods of interest for both sequential analysis and simple cohort characterization requests.

Principal Diagnosis (PDX) - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. 'P' = principal diagnosis, 'S' = secondary diagnosis, 'X' = unspecified diagnosis, '.' = blank. Along with the Care Setting values, forms the Caresetting/PDX parameter.

Query Period - period in which the modular program looks for exposures and outcomes of interest.

Switch Evaluation Step Value - value used to differentiate evaluation step. Each switch pattern can support up to 2 evaluation steps (0 = switch pattern evaluation start; 1 = first evaluation; 2 = second evaluation).

Switch Gap Inclusion Indicator - indicator for whether gaps in treatment episodes that are included in a switch episode will be counted as part of the switch episode duration.

Switch Pattern Cohort Inclusion Date - indicates which date to use for inclusion into the switch pattern cohort of interest as well as optionally as the index date of the treatment episode initiating the switch pattern. Valid options are the product approval date, product marketing date, other requester defined date, or computed start marketing date.

Switch Pattern Cohort Inclusion Strategy - indicates how the switch pattern cohort inclusion date will be used: 01: used only as a switch cohort entry date. First treatment episode dispensing date is used as index for computing time to first switch; 02: used as switch cohort entry date and as initial switch step index date for computing time to first switch.

Treatment Episode Truncation Indicator - indicates whether the exposure episode will be truncated at the occurrence of a requester-specified code.

Washout Period (drug/exposure) - number of days a user is required to have no evidence of prior exposure (drug dispensing/procedure) and continuous drug and medical coverage prior to an incident treatment episode.

Washout Period (event/outcome) - number of days a user is required to have no evidence of a prior event (procedure/diagnosis) and continuous drug and medical coverage prior to an incident treatment episode.

Years at Risk - number of days supplied plus any episode gaps and exposure extension periods all divided by 365.25.

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^{*}all terms may not be used in this report



Glossary of Terms for Analyses Using Propensity Score Analysis (PSA) Tool*

Covariate - requester defined binary variable to include in the propensity score estimation model (e.g., diabetes, heart failure, etc.) during requester-defined lookback period. Requester may also choose to add any of the following categorical, continuous, or count metrics to the propensity score estimation model:

- 1. Age (continuous)
- 2. Sex
- 3. Time period (i.e., monitoring period for sequential analyses)
- 4. Year of exposure
- 5. Comorbidity score
- 6. Medical utilization number of inpatient stays
- 7. Medical utilization number of institutional stays
- 8. Medical utilization number of emergency department visits
- 9. Medical utilization number of outpatient visits
- 10. Health care utilization number of other ambulatory encounters (e.g., telemedicine, email consults)
- 11. Drug utilization number of dispensings
- 12. Drug utilization number of unique generics dispensed
- 13. Drug Utilization number of unique drug classes dispensed

Covariate Evaluation Window - specified number of days relative to index date to evaluate the occurrence of covariates of interest. Note: members are required to have continuous enrollment during the covariate evaluation window, regardless of the value included in the "Continuous enrollment before exposure" field.

Individual Level Data Return - program may return individual-level, de-identified datasets to the Sentinel Operations Center (SOC). While the datasets contain a single row per patient for each specified analysis, patient identifiers such as a patient ID are not included in the output. Individual-level datasets are returned to the SOC, aggregated, and used to calculate effect estimates via Cox (proportional hazards) regression.

Mahalanobis Distance - provides a measure of balance across all variables while accounting for their correlation.

Matching Caliper - maximum allowed difference in propensity scores between treatment and control patients. Requester may select any caliper (e.g., 0.01, 0.025, and 0.05).

Matching Ratio - patients in exposed and comparator groups are nearest neighbor matched by a 1:1 or 1:n (up to 10) matching ratio.

Matched Conditional and Unconditional Analysis - in a conditional matched analysis, a Cox model, stratified by Data Partner site and matched set, is run on the matched population. This can be done for both the both 1:1 and 1:n matched cohorts. In an unconditional analysis, a Cox model, stratified by Data Partner site only, is run on the matched population. This can be done for the 1:1 matched cohort only.

Propensity Score Stratification - option to stratify propensity scores based on requester-defined percentiles in the unmatched population. In a stratified analysis, a Cox model, stratified by Data Partner site, is run on the stratified population. Note that all patients identified in exposure and comparator cohorts are used in the analysis.

PSM Tool - performs effect estimation by comparing exposure propensity-score matched parallel new user cohorts. Propensity score estimation and matching are conducted within each Sentinel Data Partner site via distributed programming code; data are returned to the SOC, aggregated, and used to calculate effect estimates.

Risk-set Level Data Return - alternative to the patient-level data return approach. In this approach, the PSM tool will produce de-identified, risk-set level datasets instead of or in addition to individual-level output. Whereas each observation in the patient-level datasets represents one patient in the cohort, each observation in the risk set dataset represents one event. Risk sets are created at the Data Partner site, returned to the SOC, aggregated, and used to calculate effect estimates via case-centered logistic regression.

Subgroup Analysis - may be conducted using any requester-defined covariates. Subgroup analyses may be performed in the unmatched and the matched population.

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Glossary of Terms for Analyses Using Propensity Score Analysis (PSA) Tool*

Zero Cell Correction - indicator for whether to screen variables with a zero correction added to each cell in the confounder/outcome 2x2 table. Recommended when the number of exposed outcomes is fewer than 150.

*all terms may not be used in this report

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Table 1a. Cohort of New Initiators of Brand Name Sertraline and Authorized Generic Sertraline in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015, Risk Window 1-14 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm) (Unmatched, Aggregated), Ratio: 1:many, Caliper: 0.05

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Covariate Balance

	Authorized Generic
Brand Name Sertraline	Sertraline

	Brand Name	Sertraline	Sertra	line		
					Absolute	Standardized
Characteristic	Number	Percent	Number	Percent	Difference	Difference
Number of patients	10,000	100.0%	567,314	100.0%	-	-
		Standard		Standard		
Demographics	Mean	Deviation	Mean	Deviation		
Mean age (years)	43.6	16.6	49.8	16.9	-6.215	-0.372
	Number	Percent	Number	Percent		
Age (years)						
12-17	812	8.1%	34,296	6.0%	2.075	0.081
18-24	988	9.9%	47,737	8.4%	1.465	0.051
25-54	5,582	55.8%	254,431	44.8%	10.972	0.221
55+	2,618	26.2%	230,850	40.7%	-14.512	-0.311
Sex						
Female	7,411	74.1%	395,551	69.7%	4.387	0.098
Male	2,589	25.9%	171,763	30.3%	-4.387	-0.098
Year						
2006	5,306	53.1%	6,923	1.2%	51.84	1.435
2007	701	7.0%	21,790	3.8%	3.169	0.14
2008	663	6.6%	34,673	6.1%	0.518	0.021
2009	763	7.6%	58,008	10.2%	-2.595	-0.091
2010	602	6.0%	85,248	15.0%	-9.007	-0.297
2011	543	5.4%	86,288	15.2%	-9.78	-0.326
2012	452	4.5%	74,215	13.1%	-8.562	-0.306
2013	434	4.3%	74,707	13.2%	-8.829	-0.316
2014	327	3.3%	76,827	13.5%	-10.272	-0.377
2015	209	2.1%	48,635	8.6%	-6.483	-0.292
		Standard		Standard		
	Mean	Deviation	Mean	Deviation		
Median household income	71,994.0	27,732.4	63,799.6	23,889.90	8,194.417	0.317
Median value of home	327,408.4	214,566.9	263,386.4	171,078.4	64,022.032	0.33
Percent unemployed	8	3.3	8.6	3.9	-0.629	-0.174
Recorded history of:						
Prior combined comorbidity score	0.7	1.3	1.2	2.1	-0.483	-0.278
	Number	Percent	Number	Percent		
Anxiety	2,574	25.7%	158,710	28.0%	-2.236	-0.05
Behavioral disorders	462	4.6%	24,990	4.4%	0.215	0.01
Other psychological disorders	2,509	25.1%	146,687	25.9%	-0.766	-0.018
Sleep disorder	957	9.6%	68,123	12.0%	-2.438	-0.079
Substance abuse	512	5.1%	44,906	7.9%	-2.796	-0.113

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Table 1a. Cohort of New Initiators of Brand Name Sertraline and Authorized Generic Sertraline in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015, Risk Window 1-14 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm) (Unmatched, Aggregated), Ratio: 1:many, Caliper: 0.05

		Medical P	Covariate B	alance		
			Authorized	Generic		
	Brand Name	Sertraline	Sertra	line		
		Standard		Standard		
Health Service Utilization Intensity:	Mean	Deviation	Mean	Deviation		
Mean number of ambulatory	10.7	10.7	10.5	12	0.195	0.017
encounters						
Mean number of inpatient hospital	0.2	0.7	0.3	0.8	-0.093	-0.129
encounters						
Mean number of filled prescriptions	12.2	13.6	15.6	15.6	-3.372	-0.23
Mean number of generics	5.5	4.9	6.5	5	-0.992	-0.2
Mean number of unique drug classes	5	4.3	6	4.5	-0.927	-0.212
History of use:	Number	Percent	Number	Percent		
Analgesic opiates	2,661	26.6%	202,453	35.7%	-9.076	-0.197
Antipsychotics	728	7.3%	49,409	8.7%	-1.429	-0.053
Anxiolytics/Hypnotics	2,908	29.1%	152,249	26.8%	2.243	0.05
Lithium and other mood stabilizers	1,112	11.1%	53,897	9.5%	1.62	0.053
Non-sertraline antidepressants	4,044	40.4%	223,918	39.5%	0.97	0.02

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Table 1b. Cohort of New Initiators of Brand Name Sertraline and Authorized Generic Sertraline in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015, Risk Window 1-14 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm) (Matched, Aggregated), Ratio: 1:many, Caliper: 0.05

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Covariate Balance

	Brand Name Sertraline		Sertra	Sertraline		
					Absolute	Standardized
Characteristic	Number	Percent	Number	Percent	Difference	Difference
Number of patients	9,532	95.3%	53,742	9.5%	-	-
		Standard		Standard		
Demographics	Mean	Deviation	Mean	Deviation		
Mean age (years)	44.1	16.7	43.9	17.2	0.132	0.008
	Number	Percent	Number	Percent		
Age (years)						
12-17	740	7.8%	718	7.5%	0.233	0.009
18-24	917	9.6%	907	9.5%	0.105	0.004
25-54	5,307	55.7%	5,379	56.4%	-0.758	-0.016
55+	2,568	26.9%	2,528	26.5%	0.421	0.01
Sex						
Female	7,039	73.8%	7,002	73.5%	0.39	0.009
Male	2,493	26.2%	2,530	26.5%	-0.39	-0.009
Year						
2006	4,839	50.8%	4,838	50.8%	0.009	0
2007	700	7.3%	774	8.1%	-0.78	-0.031
2008	663	7.0%	667	7.0%	-0.04	-0.002
2009	763	8.0%	774	8.1%	-0.12	-0.005
2010	602	6.3%	575	6.0%	0.283	0.012
2011	543	5.7%	518	5.4%	0.267	0.012
2012	452	4.7%	458	4.8%	-0.062	-0.003
2013	434	4.6%	418	4.4%	0.17	0.008
2014	327	3.4%	317	3.3%	0.102	0.006
2015	209	2.2%	193	2.0%	0.172	0.012
		Standard		Standard		
	Mean	Deviation	Mean	Deviation		
Median household income	73,024.1	28,195.1	72,257.4	27,606.1	766.758	0.027
Median value of home	334,530.3	219,007.3	330,519.7	218,491.7	4,010.598	0.018
Percent unemployed	7.9	3.3	8	3.4	-0.037	-0.011
Recorded history of:						
Prior combined comorbidity score	0.7	1.3	0.7	1.4	0.017	0.013
	Number	Percent	Number	Percent		
Anxiety	2,511	26.3%	2,487	26.1%	0.247	0.006
Behavioral disorders	443	4.6%	446	4.7%	-0.033	-0.002
Other psychological disorders	2,381	25.0%	2,363	24.8%	0.188	0.004
Sleep disorder	936	9.8%	976	10.2%	-0.418	-0.014
Substance abuse	458	4.8%	453	4.8%	0.052	0.002

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Table 1b. Cohort of New Initiators of Brand Name Sertraline and Authorized Generic Sertraline in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015, Risk Window 1-14 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm) (Matched, Aggregated), Ratio: 1:many, Caliper: 0.05

		Medical P	Covariate B	alance		
		Authorized Generic				
	Brand Name	Sertraline	Sertra	line		
		Standard		Standard		
Health Service Utilization Intensity:	Mean	Deviation	Mean	Deviation		
Mean number of ambulatory encounters	10.7	10.7	10.5	11.9	0.207	0.018
Mean number of inpatient hospital encounters	0.2	0.6	0.2	0.6	-0.01	-0.017
Mean number of filled prescriptions	12	13.5	11.9	12.9	0.089	0.007
Mean number of generics	5.4	4.8	5.3	4.7	0.048	0.01
Mean number of unique drug classes	5	4.2	4.9	4.1	0.038	0.009
History of use:	Number	Percent	Number	Percent		
Analgesic opiates	2,435	25.5%	2,457	25.8%	-0.234	-0.005
Antipsychotics	647	6.8%	638	6.7%	0.091	0.004
Anxiolytics/Hypnotics	2,771	29.1%	2,766	29.0%	0.054	0.001
Lithium and other mood stabilizers	1,029	10.8%	1,012	10.6%	0.174	0.006
Non-sertraline antidepressants	3,823	40.1%	3,851	40.4%	-0.292	-0.006

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Table 1c. Cohort of New Initiators of Brand Name Sertraline and Authorized Generic Sertraline in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015, Risk Window 1-365 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm) (Unmatched, Aggregated), Ratio: 1:many, Caliper: 0.05

		Medical P	Covariate Balance			
	Authorized Generic					
	Brand Name	Sertraline	Sertra	line		
					Absolute	Standardized
Characteristic	Number	Percent	Number	Percent	Difference	Difference
Number of patients	10,000	100.0%	567,314	100.0%	-	-
		Standard		Standard		
Demographics	Mean	Deviation	Mean	Deviation		
Mean age (years)	43.6	16.6	49.8	16.9	-6.215	-0.372
	Number	Percent	Number	Percent		
Age (years)						
12-17	812	8.1%	34,296	6.0%	2.075	0.081
18-24	988	9.9%	47,737	8.4%	1.465	0.051
25-54	5,582	55.8%	254,431	44.8%	10.972	0.221
55+	2,618	26.2%	230,850	40.7%	-14.512	-0.311
Sex						
Female	7,411	74.1%	395,551	69.7%	4.387	0.098
Male	2,589	25.9%	171,763	30.3%	-4.387	-0.098
Year						
2006	5,306	53.1%	6,923	1.2%	51.84	1.435
2007	701	7.0%	21,790	3.8%	3.169	0.14
2008	663	6.6%	34,673	6.1%	0.518	0.021
2009	763	7.6%	58,008	10.2%	-2.595	-0.091
2010	602	6.0%	85,248	15.0%	-9.007	-0.297
2011	543	5.4%	86,288	15.2%	-9.78	-0.326
2012	452	4.5%	74,215	13.1%	-8.562	-0.306
2013	434	4.3%	74,707	13.2%	-8.829	-0.316
2014	327	3.3%	76,827	13.5%	-10.272	-0.377
2015	209	2.1%	48,635	8.6%	-6.483	-0.292
		Standard		Standard		
	Mean	Deviation	Mean	Deviation		
Median household income	71,994.0	27,732.4	63,799.6	23,889.9	8,194.417	0.317
Median value of home	327,408.4	214,566.9	263,386.4	171,078.4	64,022.032	0.33
Percent unemployed	8	3.3	8.6	3.9	-0.629	-0.174
Recorded history of:						
Prior combined comorbidity score	0.7	1.3	1.2	2.1	-0.483	-0.278
	Number	Percent	Number	Percent		
Anxiety	2,574	25.7%	158,710	28.0%	-2.236	-0.05
Behavioral disorders	462	4.6%	24,990	4.4%	0.215	0.01
Other psychological disorders	2,509	25.1%	146,687	25.9%	-0.766	-0.018
Sleep disorder	957	9.6%	68,123	12.0%	-2.438	-0.079

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5.1%

44,906

7.9%

-2.796

-0.113

512

Substance abuse



Table 1c. Cohort of New Initiators of Brand Name Sertraline and Authorized Generic Sertraline in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015, Risk Window 1-365 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm) (Unmatched, Aggregated), Ratio: 1:many, Caliper: 0.05

		Medical P	Covariate E	Balance		
		Authorized Generic				
	Brand Name	Sertraline	Sertra	line		
		Standard		Standard		
Health Service Utilization Intensity:	Mean	Deviation	Mean	Deviation		
Mean number of ambulatory	10.7	10.7	10.5	12	0.195	0.017
encounters						
Mean number of inpatient hospital	0.2	0.7	0.3	0.8	-0.093	-0.129
encounters						
Mean number of filled prescriptions	12.2	13.6	15.6	15.6	-3.372	-0.23
Mean number of generics	5.5	4.9	6.5	5	-0.992	-0.2
Mean number of unique drug classes	5	4.3	6	4.5	-0.927	-0.212
History of use:	Number	Percent	Number	Percent		
Analgesic opiates	2,661	26.6%	202,453	35.7%	-9.076	-0.197
Antipsychotics	728	7.3%	49,409	8.7%	-1.429	-0.053
Anxiolytics/Hypnotics	2,908	29.1%	152,249	26.8%	2.243	0.05
Lithium and other mood stabilizers	1,112	11.1%	53,897	9.5%	1.62	0.053
Non-sertraline antidepressants	4,044	40.4%	223,918	39.5%	0.97	0.02

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Table 1d. Cohort of New Initiators of Brand Name Sertraline and Authorized Generic Sertraline in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015, Risk Window 1-365 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm) (Matched, Aggregated), Ratio: 1:many, Caliper: 0.05

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Covariate Balance

	Authorized Generic
Brand Name Sertraline	Sertraline

	Brand Name	Sertraiine	Sertra	traiine					
					Absolute	Standardized			
Characteristic	Number	Percent	Number	Percent	Difference	Difference			
Number of patients	9,532	95.3%	53,742	9.5%	-	-			
		Standard		Standard					
Demographics	Mean	Deviation	Mean	Deviation					
Mean age (years)	44.1	16.7	43.9	17.2	0.132	0.008			
	Number	Percent	Number	Percent					
Age (years)									
12-17	740	7.8%	718	7.5%	0.233	0.009			
18-24	917	9.6%	907	9.5%	0.105	0.004			
25-54	5,307	55.7%	5,379	56.4%	-0.758	-0.016			
55+	2,568	26.9%	2,528	26.5%	0.421	0.01			
Sex									
Female	7,039	73.8%	7,002	73.5%	0.39	0.009			
Male	2,493	26.2%	2,530	26.5%	-0.39	-0.009			
Year									
2006	4,839	50.8%	4,838	50.8%	0.009	0			
2007	700	7.3%	774	8.1%	-0.78	-0.031			
2008	663	7.0%	667	7.0%	-0.04	-0.002			
2009	763	8.0%	774	8.1%	-0.12	-0.005			
2010	602	6.3%	575	6.0%	0.283	0.012			
2011	543	5.7%	518	5.4%	0.267	0.012			
2012	452	4.7%	458	4.8%	-0.062	-0.003			
2013	434	4.6%	418	4.4%	0.17	0.008			
2014	327	3.4%	317	3.3%	0.102	0.006			
2015	209	2.2%	193	2.0%	0.172	0.012			
		Standard		Standard					
	Mean	Deviation	Mean	Deviation					
Median household income	73,024.1	28,195.1	72,257.4	27,606.1	766.758	0.027			
Median value of home	334,530.3	219,007.3	330,519.7	218,491.7	4,010.598	0.018			
Percent unemployed	7.9	3.3	8	3.4	-0.037	-0.011			
Recorded history of:									
Prior combined comorbidity score	0.7	1.3	0.7	1.4	0.017	0.013			
	Number	Percent	Number	Percent					
Anxiety	2,511	26.3%	2,487	26.1%	0.247	0.006			
Behavioral disorders	443	4.6%	446	4.7%	-0.033	-0.002			
Other psychological disorders	2,381	25.0%	2,363	24.8%	0.188	0.004			
Sleep disorder	936	9.8%	976	10.2%	-0.418	-0.014			
Substance abuse	458	4.8%	453	4.8%	0.052	0.002			

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Table 1d. Cohort of New Initiators of Brand Name Sertraline and Authorized Generic Sertraline in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015, Risk Window 1-365 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm) (Matched, Aggregated), Ratio: 1:many, Caliper: 0.05

		Medical P	Covariate Balance			
			Authorized	Generic		
	Brand Name	Sertraline	Sertra	line		
		Standard		Standard		
Health Service Utilization Intensity:	Mean	Deviation	Mean	Deviation		
Mean number of ambulatory encounters	10.7	10.7	10.5	11.9	0.207	0.018
Mean number of inpatient hospital encounters	0.2	0.6	0.2	0.6	-0.01	-0.017
Mean number of filled prescriptions	12	13.5	11.9	12.9	0.089	0.007
Mean number of generics	5.4	4.8	5.3	4.7	0.048	0.01
Mean number of unique drug classes	5	4.2	4.9	4.1	0.038	0.009
History of use:	Number	Percent	Number	Percent		
Analgesic opiates	2,435	25.5%	2,457	25.8%	-0.234	-0.005
Antipsychotics	647	6.8%	638	6.7%	0.091	0.004
Anxiolytics/Hypnotics	2,771	29.1%	2,766	29.0%	0.054	0.001
Lithium and other mood stabilizers	1,029	10.8%	1,012	10.6%	0.174	0.006
Non-sertraline antidepressants	3,823	40.1%	3,851	40.4%	-0.292	-0.006

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Table 1e. Cohort of New Initiators of Brand Name Sertraline and Authorized Generic Sertraline in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015, Risk Window 15-365 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm) (Unmatched, Aggregated), Ratio: 1:many, Caliper: 0.05

		Medical F	Covariate Balance			
	Brand Name	Cortralino	Authorized Sertra			
	Branu Name	Jei ti aiiiie	Sertia	iiiie	Absolute	Standardized
Characteristic	Number	Percent	Number	Percent	Difference	Difference
Number of patients	9,093	100.0%	518,067	100.0%	-	-
		Standard		Standard		
Demographics	Mean	Deviation	Mean	Deviation		
Mean age (years)	43.7	16.7	49.5	16.9	-5.845	-0.348
	Number	Percent	Number	Percent		
Age (years)						
12-17	738	8.1%	32,261	6.2%	1.889	0.073
18-24	886	9.7%	44,900	8.7%	1.077	0.037
25-54	5,071	55.8%	232,887	45.0%	10.815	0.218
55+	2,398	26.4%	208,019	40.2%	-13.781	-0.296
Sex						
Female	6,725	74.0%	360,998	69.7%	4.276	0.095
Male	2,368	26.0%	157,069	30.3%	-4.276	-0.095
Year						
2006	4,875	53.6%	6,340	1.2%	52.389	1.451
2007	620	6.8%	20,156	3.9%	2.928	0.13
2008	617	6.8%	32,076	6.2%	0.594	0.024
2009	682	7.5%	53,700	10.4%	-2.865	-0.101
2010	531	5.8%	78,493	15.2%	-9.311	-0.307
2011	491	5.4%	78,780	15.2%	-9.807	-0.327
2012	408	4.5%	67,550	13.0%	-8.552	-0.306
2013	394	4.3%	68,007	13.1%	-8.794	-0.315
2014	296	3.3%	69,906	13.5%	-10.238	-0.376
2015	179	2.0%	43,059	8.3%	-6.343	-0.29
		Standard		Standard		
	Mean	Deviation	Mean	Deviation		
Median household income	71,810.1	27,528.6	63,869.7	23,896.2	7,940.367	0.308
Median value of home	326,860.9	214,188.9	263,949.9	170,962.6	62,910.986	0.325
Percent unemployed	8	3.3	8.7	3.9	-0.625	-0.173
Recorded history of:						
Prior combined comorbidity score	0.7	1.3	1.2	2	-0.457	-0.267
	Number	Percent	Number	Percent		
Anxiety	2,296	25.3%	139,909	27.0%	-1.756	-0.04
Behavioral disorders	413	4.5%	22,383	4.3%	0.221	0.011
Other psychological disorders	2,234	24.6%	129,253	24.9%	-0.381	-0.009

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9.3%

4.8%

59,309

38,702

11.4%

7.5%

-2.1

-2.643

-0.069

-0.11

850

439

Sleep disorder

Substance abuse



Table 1e. Cohort of New Initiators of Brand Name Sertraline and Authorized Generic Sertraline in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015, Risk Window 15-365 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm) (Unmatched, Aggregated), Ratio: 1:many, Caliper: 0.05

		Medical P	Covariate Balance			
			Authorized	Generic		
	Brand Name	Sertraline	Sertra	line		
		Standard		Standard		
Health Service Utilization Intensity:	Mean	Deviation	Mean	Deviation		
Mean number of ambulatory encounters	10.5	10.4	10.3	11.7	0.205	0.019
Mean number of inpatient hospital encounters	0.2	0.6	0.3	0.7	-0.092	-0.132
Mean number of filled prescriptions	11.4	12.8	14.6	14.6	-3.145	-0.229
Mean number of generics	5.2	4.7	6.2	4.9	-0.968	-0.202
Mean number of unique drug classes	4.8	4.1	5.7	4.3	-0.9	-0.212
History of use:	Number	Percent	Number	Percent		
Analgesic opiates	2,352	25.9%	180,606	34.9%	-8.995	-0.197
Antipsychotics	596	6.6%	40,541	7.8%	-1.271	-0.049
Anxiolytics/Hypnotics	2,553	28.1%	133,160	25.7%	2.373	0.054
Lithium and other mood stabilizers	926	10.2%	45,377	8.8%	1.425	0.049
Non-sertraline antidepressants	3,364	37.0%	186,866	36.1%	0.926	0.019

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Table 1f. Cohort of New Initiators of Brand Name Sertraline and Authorized Generic Sertraline in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015, Risk Window 15-365 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm) (Matched, Aggregated), Ratio: 1:many, Caliper: 0.05

		Covariate Balance				
			Authorized	Generic		
	Brand Name	Sertraline	Sertra	line		
					Absolute	Standardized
Characteristic	Number	Percent	Number	Percent	Difference	Difference
Number of patients	8,686	95.5%	48,381	9.3%	-	-
		Standard		Standard		
Demographics	Mean	Deviation	Mean	Deviation		
Mean age (years)	44.1	16.8	43.9	17.3	0.153	0.009
	Number	Percent	Number	Percent		
Age (years)						
12-17	681	7.8%	667	7.7%	0.16	0.006
18-24	830	9.6%	830	9.6%	-0.004	0
25-54	4,822	55.5%	4,872	56.1%	-0.573	-0.012
55+	2,353	27.1%	2,317	26.7%	0.417	0.01
Sex						
Female	6,405	73.7%	6,355	73.2%	0.575	0.013
Male	2,281	26.3%	2,331	26.8%	-0.575	-0.013
Year						
2006	4,469	51.5%	4,469	51.4%	0.006	0
2007	619	7.1%	678	7.8%	-0.681	-0.028
2008	617	7.1%	621	7.2%	-0.049	-0.002
2009	682	7.9%	688	7.9%	-0.067	-0.003
2010	531	6.1%	500	5.8%	0.353	0.015
2011	491	5.7%	481	5.5%	0.113	0.005
2012	408	4.7%	408	4.7%	-0.003	0
2013	394	4.5%	393	4.5%	0.013	0.001
2014	296	3.4%	283	3.3%	0.146	0.009
2015	179	2.1%	164	1.9%	0.169	0.012
		Standard		Standard		
	Mean	Deviation	Mean	Deviation		
Median household income	72,844.2	27,990.3	72,329.9	27,524.2	514.321	0.019
Median value of home	333,745.7	218,619.1	331,781.7	219,102.1	1,963.924	0.009
Percent unemployed	7.9	3.3	7.9	3.4	-0.003	-0.001
Recorded history of:						
Prior combined comorbidity score	0.7	1.3	0.7	1.4	0.022	0.016
	Number	Percent	Number	Percent		
Anxiety	2,237	25.8%	2,187	25.2%	0.571	0.013
Behavioral disorders	399	4.6%	402	4.6%	-0.034	-0.002
Other psychological disorders	2,130	24.5%	2,113	24.3%	0.2	0.005
Sleep disorder	828	9.5%	831	9.6%	-0.033	-0.001
Substance abuse	389	4.5%	382	4.4%	0.079	0.004

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Table 1f. Cohort of New Initiators of Brand Name Sertraline and Authorized Generic Sertraline in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015, Risk Window 15-365 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm) (Matched, Aggregated), Ratio: 1:many, Caliper: 0.05

		Medical P		Covariate Balance			
			Authorized	l Generic			
	Brand Name	Sertraline	Sertra	line			
		Standard		Standard			
Health Service Utilization Intensity:	Mean	Deviation	Mean	Deviation			
Mean number of ambulatory	10.4	10.4	10.1	11.4	0.297	0.027	
encounters							
Mean number of inpatient hospital	0.2	0.6	0.2	0.6	-0.007	-0.011	
encounters							
Mean number of filled prescriptions	11.2	12.7	11	12	0.169	0.014	
Mean number of generics	5.1	4.6	5.1	4.5	0.08	0.018	
Mean number of unique drug classes	4.8	4.1	4.7	4	0.066	0.016	
History of use:	Number	Percent	Number	Percent			
Analgesic opiates	2,168	25.0%	2,180	25.1%	-0.137	-0.003	
Antipsychotics	532	6.1%	517	6.0%	0.174	0.007	
Anxiolytics/Hypnotics	2,436	28.0%	2,402	27.6%	0.397	0.009	
Lithium and other mood stabilizers	855	9.8%	846	9.7%	0.108	0.004	
Non-sertraline antidepressants	3,191	36.7%	3,206	36.9%	-0.167	-0.003	

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Table 2: Effect Estimates for Risk Window 1-14 Days, Evaluating Socioeconomic Status in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015 (Primary Outcome: Intentional Self Harm) by Analysis Type

Medical Product	Number of New Users	Person Years at Risk	Average Person Days at Risk	Average Person Years at Risk	Number of Events	Incidence Rate per 1,000 Person Years	Risk per 1,000 New Users	Incidence Rate Difference per 1,000 Person Years	Difference in Risk per 1,000 New Users	Hazard Ratio	Wald P-Value	
Unmatched Analysis (Site-adjust	ted only)											
Brand Name Sertraline	10,000	340.03	12.42	0.03	****	****	****	-8.56	0.20	0.52	0.250	
Authorized Generic Sertraline	567,314	19,328.45	12.44	0.03	****	****	****	-6.50	-0.29	(0.16, 1.62)	0.258	
1:many Matched Conditional Pr	edefined Ana	lysis; Calipe	r= 0.05									
Brand Name Sertraline	9,532	320.38	12.28	0.03	****	****	****	6.10	0.10	0.46	0.229	
Authorized Generic Sertraline	53,742	1,745.63	11.86	0.03	****	****	****	** -0.10	** -6.10 -0.19	-0.19	(0.13, 1.63)	0.229

^{*****}Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

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Table 3: Effect Estimates for Risk Window 1-14 Days, Evaluating Socioeconomic Status in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015 (Primary Outcome: Intentional Self Harm) by Analysis Type and Age Group

Medical Product	Number of New Users	Person Years at Risk	Average Person Days at Risk	Average Person Years at Risk	Number of Events	Rate per 1,000 Person Years	Risk per 1,000 New Users	Rate Difference per 1,000 Person Years	Difference in Risk per 1,000 New Users	Hazard Ratio (95% CI)	Wald P-Value
Age Group: 12-17											
Unmatched Analysis (Site-adjuste											
Brand Name Sertraline	812	27.62	12.42	0.03	****	****	****	2.49	0.07	1.02	0.985
Authorized Generic Sertraline	34,296	1,186.28	12.63	0.03	****	****	****	2.49	0.07	(0.14, 7.48)	0.363
1:many Matched Conditional Pre	defined Analy	sis; Caliper=	- 0.05								
Brand Name Sertraline	748	25.24	12.32	0.03	****	****	****	26.73	0.91	2.62	0.462
Authorized Generic Sertraline	4,700	155.13	12.06	0.03	****	****	****	20.73	0.51	(0.20, 34.00)	0.402
Age Group: 18-24											
Unmatched Analysis (Site-adjuste	ed only)										
Brand Name Sertraline	988	33.39	12.34	0.03	0	0.00	0.00	26.66	-0.92		
Authorized Generic Sertraline	47,737	1,650.43	12.63	0.03	44	26.66	0.92	-26.66	-0.92	-	-
1:many Matched Conditional Pre	defined Analy	sis; Caliper=	= 0.05								
Brand Name Sertraline	903	30.44	12.31	0.03	****	****	****	20.57	4.24		
Authorized Generic Sertraline	4,586	151.64	12.08	0.03	****	****	****	-39.57	-1.31	-	-
Age Group: 25-54											
Unmatched Analysis (Site-adjuste	ed only)										
Brand Name Sertraline	5,582	189.79	12.42	0.03	****	****	****	42.25	0.42	0.38	0.224
Authorized Generic Sertraline	254,431	8,677.55	12.46	0.03	****	****	****	-12.25	-0.42	(0.05, 2.72)	0.334
1:many Matched Conditional Pre	defined Analy	sis; Caliper=	- 0.05								
Brand Name Sertraline	5,294	177.45	12.24	0.03	****	****	****	0.70	0.20	0.26	0.245
Authorized Generic Sertraline	27,841	901.36	11.83	0.03	****	****	****	-8.79	-0.28	(0.03, 2.19)	0.215
Age Group: 55+											
Unmatched Analysis (Site-adjuste	ed only)										
Brand Name Sertraline	2,618	89.23	12.45	0.03	****	****	****	1.50	0.05	0.94	0.05
Authorized Generic Sertraline	230,850	7,814.19	12.36	0.03	****	****	****	-1.59 -0.05	(0.13, 6.89)	0.95	
1:many Matched Conditional Pre	defined Analy	sis; Caliper=	- 0.05								
Brand Name Sertraline	2,567	86.62	12.32	0.03	****	****	****	4.05	0.45	0.81	0.001
Authorized Generic Sertraline	16,514	534.37	11.82	0.03	****	****	****	** 4.06 0.15	(0.08, 8.59)	0.864	

^{*****}Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

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Table 4: Effect Estimates for Risk Window 1-365 Days, Evaluating Socioeconomic Status in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015 (Primary Outcome: Intentional Self Harm) by Analysis Type

Medical Product	Number of New Users	Person Years at Risk	Average Person Days at Risk	Average Person Years at Risk	Number of Events	Incidence Rate per 1,000 Person Years	Risk per 1,000 New Users	Incidence Rate Difference per 1,000 Person Years	,		Wald P-Value
Unmatched Analysis (Site-adjust	ted only)										
Brand Name Sertraline	10,000	1,746.23	63.78	0.17	16	9.16	1.60	1.06	0.50	0.99	0.954
Authorized Generic Sertraline	567,314	147,156.57	94.74	0.26	1,192	8.10	2.10	1.00	-0.50	(0.60, 1.62)	0.954
1:many Matched Conditional Pr	edefined Ana	lysis; Caliper	= 0.05								
Brand Name Sertraline	9,532	1,480.05	56.71	0.16	14	9.46	1.47	-0.75	0.20	0.91	0.761
Authorized Generic Sertraline	53,742	6,169.40	41.93	0.11	63	10.21	1.17	-0.75	0.30	(0.49, 1.70)	0.761

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Table 5: Effect Estimates for Risk Window 1-365 Days, Evaluating Socioeconomic Status in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015 (Primary Outcome: Intentional Self Harm) by Analysis Type and Age Group

Medical Product	Number of New Users	Person Years at Risk	Average Person Days at Risk	Average Person Years at Risk	Number of Events	Rate per 1,000 Person Years	Risk per 1,000 New Users	Rate Difference per 1,000 Person Years	Difference in Risk per 1,000 New Users	Hazard Ratio (95% CI)	Wald P-Value
Age Group: 12-17											
Unmatched Analysis (Site-adjuste	• •										
Brand Name Sertraline	812	153.42	69.01	0.19	****	****	****	1.76	-1.75	1.08	0.877
Authorized Generic Sertraline	34,296	9,418.25	100.30	0.27	****	****	****	1.70	-1.73	(0.40, 2.92)	0.677
1:many Matched Conditional Pre	defined Analy	sis; Caliper=	0.05								
Brand Name Sertraline	748	128.17	62.59	0.17	****	****	****	-0.88	1.03	1.13	0.848
Authorized Generic Sertraline	4,700	576.51	44.80	0.12	****	****	****	-0.88	1.03	(0.31, 4.11)	0.848
Age Group: 18-24											
Unmatched Analysis (Site-adjuste	ed only)										
Brand Name Sertraline	988	153.93	56.91	0.16	****	****	****	4.10	0.53	1.12	0.842
Authorized Generic Sertraline	47,737	11,109.25	85.00	0.23	****	****	****	4.19	-0.52	(0.36, 3.54)	0.842
1:many Matched Conditional Pre	defined Analy	sis; Caliper=	0.05								
Brand Name Sertraline	903	128.34	51.91	0.14	****	****	****	4.27	0.40	1.37	0.620
Authorized Generic Sertraline	4,586	525.27	41.83	0.11	****	****	****	-1.37	0.49	(0.37, 5.17)	0.638
Age Group: 25-54											
Unmatched Analysis (Site-adjuste	ed only)										
Brand Name Sertraline	5,582	929.71	60.83	0.17	****	****	****	0.05	0.04	0.93	0.064
Authorized Generic Sertraline	254,431	64,763.15	92.97	0.25	****	****	****	-0.96	-0.81	(0.41, 2.09)	0.861
1:many Matched Conditional Pre	defined Analy	sis; Caliper=	0.05								
Brand Name Sertraline	5,294	778.69	53.72	0.15	****	****	****	0.55	0.14	0.65	0.456
Authorized Generic Sertraline	27,841	3,123.53	40.98	0.11	****	****	****	-2.55	-0.11	(0.21, 2.02)	0.456
Age Group: 55+											
Unmatched Analysis (Site-adjuste	ed only)										
Brand Name Sertraline	2,618	509.17	71.04	0.19	****	****	****	0.00	0.24	1.20	0 ===
Authorized Generic Sertraline	230,850	61,865.92	97.88	0.27	****	****	****	0.83	-0.21	(0.38, 3.80)	0.753
1:many Matched Conditional Pre	defined Analy	sis; Caliper=	0.05							•	
Brand Name Sertraline	2,567	444.72	63.28	0.17	****	****	****			0.89	
Authorized Generic Sertraline	16,514	1,951.06	43.15	0.12	****	****	****	0.40	0.29	(0.17, 4.75)	0.894

^{*****}Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

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Table 6: Effect Estimates for Risk Window 15-365 Days, Evaluating Socioeconomic Status in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015 (Primary Outcome: Intentional Self Harm) by Analysis Type

Medical Product	Number of New Users	Person Years at Risk	Average Person Days at Risk	Average Person Years at Risk	Number of Events	Incidence Rate per 1,000 Person Years	Risk per 1,000 New Users	Incidence Rate Difference per 1,000 Person Years	Difference in Risk per 1,000 New Users	Hazard Ratio (95% CI)	Wald P-Value
Unmatched Analysis (Site-adjust	ted only)										
Brand Name Sertraline	9,093	1,407.71	56.55	0.15	13	9.23	1.43	2.54	-0.22	1.24	0.452
Authorized Generic Sertraline	518,067	128,018.04	90.26	0.25	857	6.69	1.65	2.34	-0.22	(0.71, 2.15)	0.432
1:many Matched Conditional Pr	edefined Ana	lysis; Caliper	= 0.05								
Brand Name Sertraline	8,686	1,187.72	49.94	0.14	****	****	****	-0.34	0.28	1.15	0.717
Authorized Generic Sertraline	48,381	4,793.88	36.19	0.10	****	****	****	-0.34 0.26		(0.55, 2.39)	0.717

^{*****}Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

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Table 7: Effect Estimates for Risk Window 15-365 Days, Evaluating Socioeconomic Status in the Sentinel Distributed Database (SDD) from June 30, 2006 to September 30, 2015 (Primary Outcome: Intentional Self Harm) by Analysis Type and Age Group

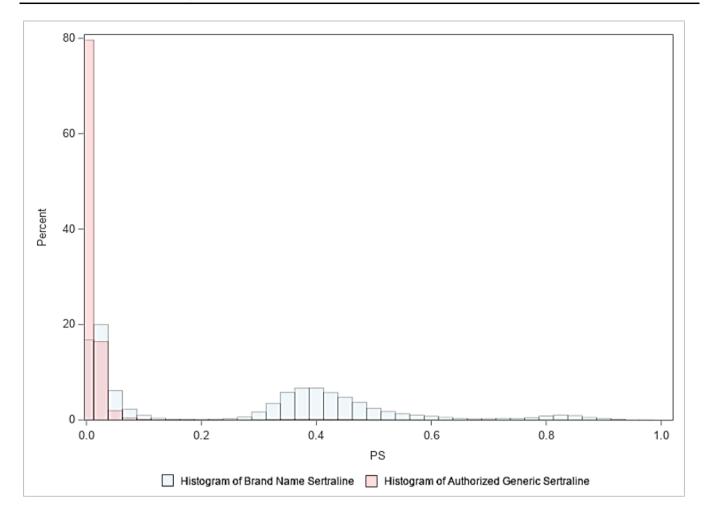
Medical Product	Number of New Users	Person Years at Risk	Average Person Days at Risk	Average Person Years at Risk	Number of Events	Rate per 1,000 Person Years	Risk per 1,000 New Users	Incidence Rate Difference per 1,000 Person Years	Difference in Risk per 1,000 New Users	Hazard Ratio (95% CI)	Wald P-Value
Age Group: 12-17											
Unmatched Analysis (Site-adjuste	ed only)										
Brand Name Sertraline	738	126.05	62.38	0.17	****	****	****	0.74	-1.82	1.08	0.891
Authorized Generic Sertraline	32,261	8,237.63	93.26	0.26	****	****	****	0.74	-1.02	(0.34, 3.40)	0.651
1:many Matched Conditional Pre	defined Analy	sis; Caliper=	0.05								
Brand Name Sertraline	681	105.33	56.49	0.15	****	****	****	-7.26	0.14	0.59	0.512
Authorized Generic Sertraline	4,284	457.24	38.98	0.11	****	****	****	-7.20	0.14	(0.12, 2.85)	0.512
Age Group: 18-24											
Unmatched Analysis (Site-adjuste	ed only)										
Brand Name Sertraline	886	120.55	49.70	0.14	****	****	****	11 50	0.50	1.64	0.402
Authorized Generic Sertraline	44,900	9,469.79	77.03	0.21	****	****	****	11.58	0.58	(0.52, 5.19)	0.402
1:many Matched Conditional Pre	defined Analy	sis; Caliper=	- 0.05								
Brand Name Sertraline	818	100.26	44.77	0.12	****	****	****	2.26	0.20	1.25	0 777
Authorized Generic Sertraline	4,189	403.43	35.18	0.10	****	****	****	-2.36	0.30	(0.26, 5.98)	0.777
Age Group: 25-54											
Unmatched Analysis (Site-adjuste	ed only)										
Brand Name Sertraline	5,071	740.36	53.33	0.15	****	****	****	0.04	0.42	1.31	0.555
Authorized Generic Sertraline	232,887	56,164.86	88.09	0.24	****	****	****	0.91	-0.42	(0.54, 3.19)	0.555
1:many Matched Conditional Pre	defined Analy	sis; Caliper=	0.05								
Brand Name Sertraline	4,821	620.71	47.03	0.13	****	****	****	4.0=	0.07	1.08	0.000
Authorized Generic Sertraline	24,872	2,431.14	35.70	0.10	****	****	****	-1.37	0.07	(0.34, 3.42)	0.899
Age Group: 55+											
Unmatched Analysis (Site-adjuste	ed only)										
Brand Name Sertraline	2,398	420.76	64.09	0.18	****	****	****	0.00	0.40	1.40	0.545
Authorized Generic Sertraline	208,019	54,145.76	95.07	0.26	****	****	****	0.82	-0.19	(0.34, 5.70)	0.642
1:many Matched Conditional Pre	defined Analy	sis; Caliper=	- 0.05							,	
Brand Name Sertraline	2,345	365.14	56.87	0.16	****	****	****			2.40	
Authorized Generic Sertraline	14,979	1,568.28	38.24	0.10	****	****	****	3.56	0.65	(0.34, 16.82)	0.377

^{*****}Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

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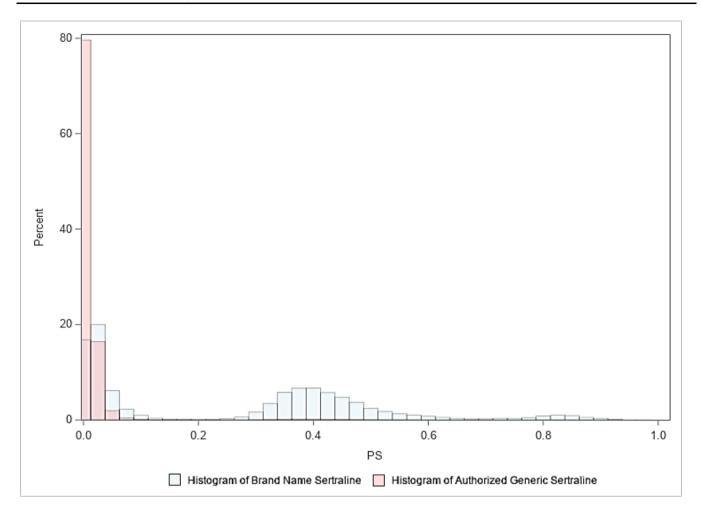
Figure 1a. Histogram Depicting Propensity Score Distributions Before Matching for Risk Window 1-14 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm)



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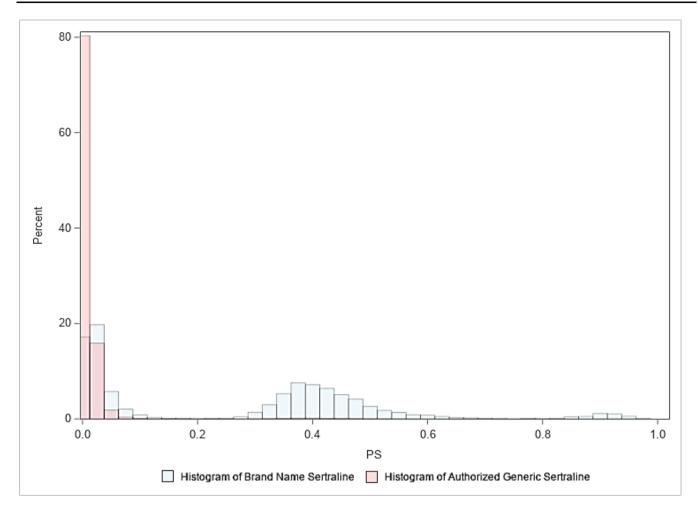
Figure 1b. Histogram Depicting Propensity Score Distributions Before Matching for Risk Window 1-365 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm)



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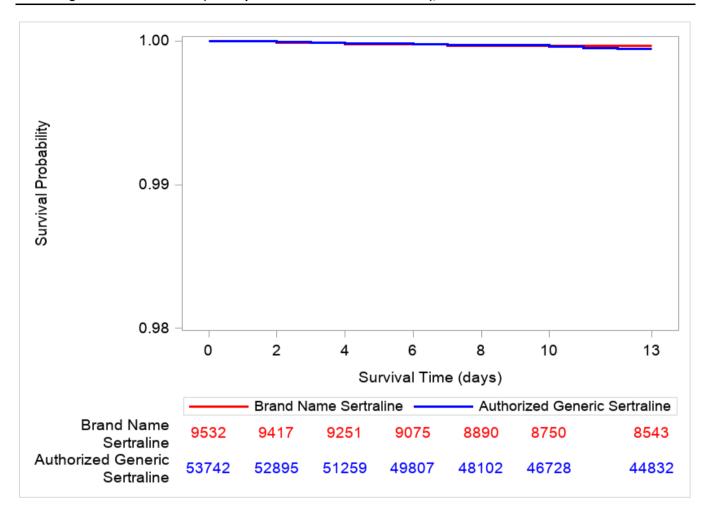
Figure 1c. Histogram Depicting Propensity Score Distributions Before Matching for Risk Window 15-365 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm)



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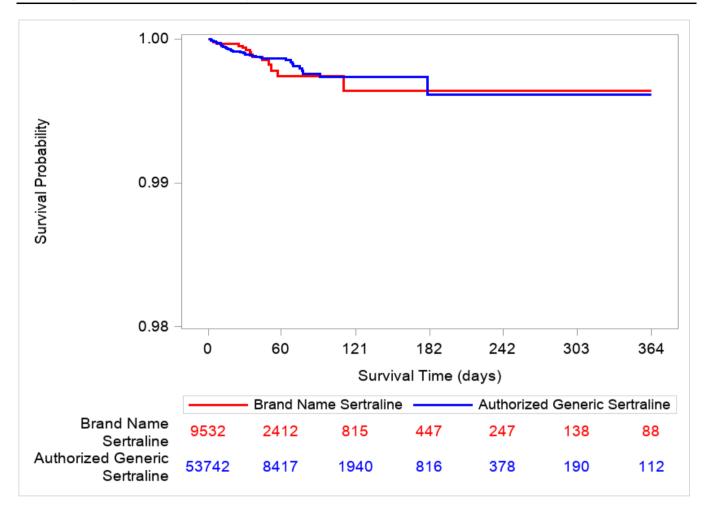
Figure 2a. Kaplan Meier Survival Curves of Weighted Informative Events and Follow-up Time for Risk Window 1-14 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm), Conditional Matched Cohort



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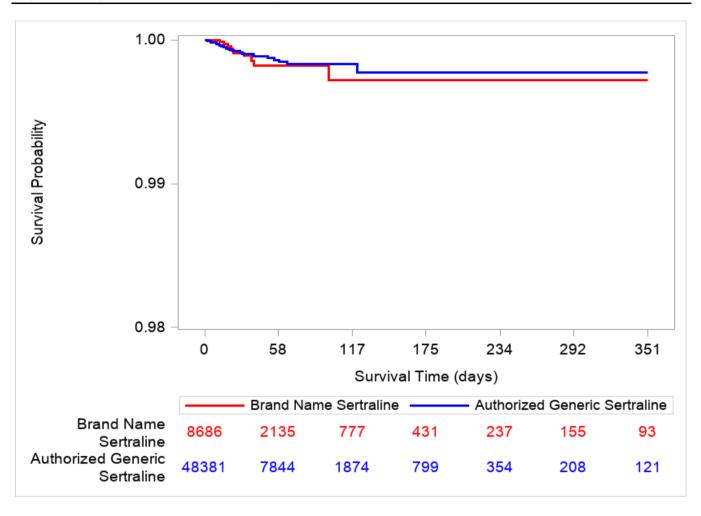
Figure 2b. Kaplan Meier Survival Curves of Weighted Informative Events and Follow-up Time for Risk Window 1-365 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm), Conditional Matched Cohort



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Figure 2c. Kaplan Meier Survival Curves of Weighted Informative Events and Follow-up Time for Risk Window 15-365 Days, Evaluating Socioeconomic Status (Primary Outcome: Intentional Self Harm), Conditional Matched Cohort



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Appendix A. Dates of Available Data for Each Data Partner (DP) as of Request End Date (September 30, 2015)

DP ID	DP Start Date ¹	DP End Date ¹	
DP01	01/01/2000	09/30/2015	
DP02	01/01/2008	09/30/2015	
DP03	01/01/2000	09/30/2015	
DP04	01/01/2006	09/30/2015	
DP05	01/01/2008	09/30/2015	
DP06	01/01/2000	09/30/2015	
DP07	01/01/2000	09/30/2015	
DP08	06/01/2007	09/30/2015	
DP09	01/01/2010	09/30/2015	

¹The start and end dates are based on the minimum and maximum dates within each DP. The month with the maximum date must have at least 80% of the number of records in the previous month.

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Appendix B. List of Generic and Brand Medical Product Names Used to Define Exposures in this Request

Generic Name	Brand Name			
Sertraline				
sertraline HCl	Sertraline			
sertraline HCl	Zoloft			

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Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes Used to Define Outcomes in this Request

Code	Description	Code Type	Code Category		
Mental Health Diagnosis					
293.83	Mood disorder in conditions classified elsewhere	Diagnosis	ICD-9-CM		
296.2	Major depressive disorder, single episode	Diagnosis	ICD-9-CM		
296.20	Major depressive disorder, single episode, unspecified	Diagnosis	ICD-9-CM		
296.21	Major depressive disorder, single episode, mild	Diagnosis	ICD-9-CM		
296.22	Major depressive disorder, single episode, moderate	Diagnosis	ICD-9-CM		
296.23	Major depressive disorder, single episode, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM		
296.24	Major depressive disorder, single episode, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM		
296.25	Major depressive disorder, single episode, in partial or unspecified remission	Diagnosis	ICD-9-CM		
296.26	Major depressive disorder, single episode in full remission	Diagnosis	ICD-9-CM		
296.3	Major depressive disorder, recurrent episode	Diagnosis	ICD-9-CM		
296.30	Major depressive disorder, recurrent episode, unspecified	Diagnosis	ICD-9-CM		
296.31	Major depressive disorder, recurrent episode, mild	Diagnosis	ICD-9-CM		
296.32	Major depressive disorder, recurrent episode, moderate	Diagnosis	ICD-9-CM		
296.33	Major depressive disorder, recurrent episode, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM		
296.34	Major depressive disorder, recurrent episode, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM		
296.35	Major depressive disorder, recurrent episode, in partial or unspecified remission	Diagnosis	ICD-9-CM		
296.36	Major depressive disorder, recurrent episode, in full remission	Diagnosis	ICD-9-CM		
296.90	Unspecified episodic mood disorder	Diagnosis	ICD-9-CM		
298.0	Depressive type psychosis	Diagnosis	ICD-9-CM		
300.4	Dysthymic disorder	Diagnosis	ICD-9-CM		
309.0	Adjustment disorder with depressed mood	Diagnosis	ICD-9-CM		
309.1	Prolonged depressive reaction as adjustment reaction	Diagnosis	ICD-9-CM		
309.28	Adjustment disorder with mixed anxiety and depressed mood	Diagnosis	ICD-9-CM		
311	Depressive disorder, not elsewhere classified	Diagnosis	ICD-9-CM		
296.0	Bipolar I disorder, single manic episode	Diagnosis	ICD-9-CM		
296.00	Bipolar I disorder, single manic episode, unspecified	Diagnosis	ICD-9-CM		
296.01	Bipolar I disorder, single manic episode, mild	Diagnosis	ICD-9-CM		
296.02	Bipolar I disorder, single manic episode, moderate	Diagnosis	ICD-9-CM		
296.03	Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM		
296.04	Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM		
296.05	Bipolar I disorder, single manic episode, in partial or unspecified remission	Diagnosis	ICD-9-CM		
296.06	Bipolar I disorder, single manic episode, in full remission	Diagnosis	ICD-9-CM		
296.1	Manic disorder, recurrent episode	Diagnosis	ICD-9-CM		
296.10	Manic disorder, recurrent episode, unspecified	Diagnosis	ICD-9-CM		
296.11	Manic disorder, recurrent episode, mild	Diagnosis	ICD-9-CM		
296.12	Manic disorder, recurrent episode, moderate	Diagnosis	ICD-9-CM		

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Code	Description	Code Type	Code Category
296.13	Manic disorder, recurrent episode, severe, without mention of psychotic	Diagnosis	ICD-9-CM
	behavior		
296.14	Manic disorder, recurrent episode, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM
296.15	Manic disorder, recurrent episode, in partial or unspecified remission	Diagnosis	ICD-9-CM
296.16	Manic disorder, recurrent episode, in full remission	Diagnosis	ICD-9-CM
296.4	Bipolar I disorder, most recent episode (or current) manic	Diagnosis	ICD-9-CM
296.40	Bipolar I disorder, most recent episode (or current) manic, unspecified	Diagnosis	ICD-9-CM
296.41	Bipolar I disorder, most recent episode (or current) manic, mild	Diagnosis	ICD-9-CM
296.42	Bipolar I disorder, most recent episode (or current) manic, moderate	Diagnosis	ICD-9-CM
296.43	Bipolar I disorder, most recent episode (or current) manic, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM
296.44	Bipolar I disorder, most recent episode (or current) manic, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM
296.45	Bipolar I disorder, most recent episode (or current) manic, in partial or unspecified remission	Diagnosis	ICD-9-CM
296.46	Bipolar I disorder, most recent episode (or current) manic, in full remission	Diagnosis	ICD-9-CM
296.5	Bipolar I disorder, most recent episode (or current), depressed	Diagnosis	ICD-9-CM
296.50	Bipolar I disorder, most recent episode (or current) depressed, unspecified	Diagnosis	ICD-9-CM
296.51	Bipolar I disorder, most recent episode (or current) depressed, mild	Diagnosis	ICD-9-CM
296.52	Bipolar I disorder, most recent episode (or current) depressed, moderate	Diagnosis	ICD-9-CM
296.53	Bipolar I disorder, most recent episode (or current) depressed, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM
296.54	Bipolar I disorder, most recent episode (or current) depressed, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM
296.55	Bipolar I disorder, most recent episode (or current) depressed, in partial or unspecified remission	Diagnosis	ICD-9-CM
296.56	Bipolar I disorder, most recent episode (or current) depressed, in full remission	Diagnosis	ICD-9-CM
296.6	Bipolar I disorder, most recent episode (or current), mixed	Diagnosis	ICD-9-CM
296.60	Bipolar I disorder, most recent episode (or current) mixed, unspecified	Diagnosis	ICD-9-CM
296.61	Bipolar I disorder, most recent episode (or current) mixed, mild	Diagnosis	ICD-9-CM
296.62	Bipolar I disorder, most recent episode (or current) mixed, moderate	Diagnosis	ICD-9-CM
296.63	Bipolar I disorder, most recent episode (or current) mixed, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM
296.64	Bipolar I disorder, most recent episode (or current) mixed, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM
296.65	Bipolar I disorder, most recent episode (or current) mixed, in partial or unspecified remission	Diagnosis	ICD-9-CM
296.66	Bipolar I disorder, most recent episode (or current) mixed, in full remission	Diagnosis	ICD-9-CM
296.7	Bipolar I disorder, most recent episode (or current) unspecified	Diagnosis	ICD-9-CM
296.8	Other and unspecified bipolar disorders	Diagnosis	ICD-9-CM
296.80	Bipolar disorder, unspecified	Diagnosis	ICD-9-CM
296.81	Atypical manic disorder	Diagnosis	ICD-9-CM
296.82	Atypical depressive disorder	Diagnosis	ICD-9-CM
296.89	Other and unspecified bipolar disorders	Diagnosis	ICD-9-CM
296.99	Other specified episodic mood disorder	Diagnosis	ICD-9-CM

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301.1 Affective personality disorder Diagnosis ICD-9-CM 301.1 Affective personality disorder Diagnosis ICD-9-CM 301.10 Affective personality disorder Diagnosis ICD-9-CM 301.11 Chronic hypomanic personality disorder Diagnosis ICD-9-CM 301.12 Chronic depressive personality disorder Diagnosis ICD-9-CM 301.21 Schizold personality disorder Diagnosis ICD-9-CM 301.22 Schizold personality disorder Diagnosis ICD-9-CM 301.21 Introverted personality disorder Diagnosis ICD-9-CM 301.22 Schizotypal personality disorder Diagnosis ICD-9-CM 301.3 Explosive personality disorder Diagnosis ICD-9-CM 301.4 Obsessive-compulsive personality disorder Diagnosis ICD-9-CM 301.5 Histrionic personality disorder Diagnosis ICD-9-CM 301.5 Histrionic personality disorder Diagnosis ICD-9-CM 301.5 Other histrionic personality disorder Diagnosis ICD-9-CM </th <th>Code</th> <th>Description</th> <th>Code Type</th> <th>Code Category</th>	Code	Description	Code Type	Code Category
301.10 Affective personality disorder, unspecified Diagnosis ICD-9-CM 301.11 Chronic hypomanic personality disorder Diagnosis ICD-9-CM 301.12 Chronic depressive personality disorder Diagnosis ICD-9-CM 301.13 Cyclothymic disorder Diagnosis ICD-9-CM 301.13 Cyclothymic disorder Diagnosis ICD-9-CM 301.20 Schizoid personality disorder, unspecified Diagnosis ICD-9-CM 301.21 Introverted personality disorder unspecified Diagnosis ICD-9-CM 301.21 Introverted personality disorder Diagnosis ICD-9-CM 301.22 Schizoid personality disorder Diagnosis ICD-9-CM 301.31 Explosive personality disorder Diagnosis ICD-9-CM 301.32 Schizoid personality disorder Diagnosis ICD-9-CM 301.31 Explosive personality disorder Diagnosis ICD-9-CM 301.32 Histrionic personality disorder Diagnosis ICD-9-CM 301.50 Histrionic personality disorder, unspecified Diagnosis ICD-9-CM 301.51 Chronic factitious illness with physical symptoms Diagnosis ICD-9-CM 301.50 Histrionic personality disorder Diagnosis ICD-9-CM 301.51 Chronic factitious illness with physical symptoms Diagnosis ICD-9-CM 301.50 Histrionic personality disorder Diagnosis ICD-9-CM 301.51 Chronic factitious illness with physical symptoms Diagnosis ICD-9-CM 301.52 Other histrionic personality disorder Diagnosis ICD-9-CM 301.53 Other personality disorder Diagnosis ICD-9-CM 301.62 Dependent personality disorder Diagnosis ICD-9-CM 301.63 Diagnosis ICD-9-CM 301.64 Parsonality disorder Diagnosis ICD-9-CM 301.65 Diagnosis ICD-9-CM 301.66 Diagnosis ICD-9-CM 301.67 D	301.0	Paranoid personality disorder	Diagnosis	ICD-9-CM
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301.13 Cyclothymic disorder Diagnosis ICD-9-CM	301.11	Chronic hypomanic personality disorder	Diagnosis	ICD-9-CM
301.2 Schizoid personality disorder Diagnosis ICD-9-CM 301.2.0 Schizoid personality disorder, unspecified Diagnosis ICD-9-CM 301.2.1 Introverted personality disorder Diagnosis ICD-9-CM 301.2.2 Schizotypal personality disorder Diagnosis ICD-9-CM 301.3 Explosive personality disorder Diagnosis ICD-9-CM 301.4 Obsessive-compulsive personality disorder Diagnosis ICD-9-CM 301.5 Histrionic personality disorder Diagnosis ICD-9-CM 301.50 Histrionic personality disorder Diagnosis ICD-9-CM 301.51 Chronic factitious illness with physical symptoms Diagnosis ICD-9-CM 301.6 Dependent personality disorder Diagnosis ICD-9-CM 301.8 Other personality disorder Diagnosis ICD-9-CM 301.8.1 Narcissistic personality disorder Diagnosis ICD-9-CM 301.8.2 Avoidant personality disorder Diagnosis ICD-9-CM 301.8.2 Passive-aggressive personality Diagnosis ICD-9-C	301.12	Chronic depressive personality disorder	Diagnosis	ICD-9-CM
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Separation Sep	301.21	Introverted personality	Diagnosis	ICD-9-CM
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301.6Dependent personality disorderDiagnosisICD-9-CM301.7Antisocial personality disorderDiagnosisICD-9-CM301.8Other personality disordersDiagnosisICD-9-CM301.81Narcissistic personality disorderDiagnosisICD-9-CM301.82Avoidant personality disorderDiagnosisICD-9-CM301.83Borderline personality disorderDiagnosisICD-9-CM301.84Passive-aggressive personalityDiagnosisICD-9-CM301.89Other personality disorderDiagnosisICD-9-CM301.9Unspecified personality disorderDiagnosisICD-9-CM309.2Predominant disturbance of other emotions as adjustment reactionDiagnosisICD-9-CM309.21Separation anxiety disorderDiagnosisICD-9-CM309.22Emancipation disorder of adolescence and early adult lifeDiagnosisICD-9-CM309.23Specific academic or work inhibition as adjustment reactionDiagnosisICD-9-CM309.24Adjustment disorder with anxietyDiagnosisICD-9-CM309.29Other adjustment reaction with predominant disturbance of other emotionsDiagnosisICD-9-CM309.3Adjustment disorder with mixed disturbance of emotions and conductDiagnosisICD-9-CM309.4Adjustment disorder with mixed disturbance of emotions and conductDiagnosisICD-9-CM309.81Posttraumatic stress disorderDiagnosisICD-9-CM309.82Adjustment reaction with physical symptomsDiagno	301.51	Chronic factitious illness with physical symptoms	Diagnosis	ICD-9-CM
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309.2Predominant disturbance of other emotions as adjustment reactionDiagnosisICD-9-CM309.21Separation anxiety disorderDiagnosisICD-9-CM309.22Emancipation disorder of adolescence and early adult lifeDiagnosisICD-9-CM309.23Specific academic or work inhibition as adjustment reactionDiagnosisICD-9-CM309.24Adjustment disorder with anxietyDiagnosisICD-9-CM309.28Adjustment disorder with mixed anxiety and depressed moodDiagnosisICD-9-CM309.29Other adjustment reaction with predominant disturbance of other emotionsDiagnosisICD-9-CM309.3Adjustment disorder with disturbance of conductDiagnosisICD-9-CM309.4Adjustment disorder with mixed disturbance of emotions and conductDiagnosisICD-9-CM309.8Other specified adjustment reactionsDiagnosisICD-9-CM309.81Posttraumatic stress disorderDiagnosisICD-9-CM309.82Adjustment reaction with physical symptomsDiagnosisICD-9-CM309.83Adjustment reaction with withdrawalDiagnosisICD-9-CM309.89Other specified adjustment reactionDiagnosisICD-9-CM300.9Unspecified nonpsychotic mental disorderDiagnosisICD-9-CMSelf-Harm Diagnosis960Poisoning by antibioticsDiagnosisICD-9-CM960.0Poisoning by penicillinsDiagnosisICD-9-CM	301.9	Unspecified personality disorder	Diagnosis	ICD-9-CM
Specific academic or work inhibition as adjustment reaction 309.24 Adjustment disorder with anxiety 309.28 Adjustment disorder with mixed anxiety and depressed mood 309.29 Other adjustment reaction with predominant disturbance of other emotions 309.3 Adjustment disorder with mixed disturbance of other emotions 309.4 Adjustment disorder with disturbance of conduct 309.8 Other specified adjustment reactions 309.8 Other specified adjustment reactions 309.8 Adjustment disorder with mixed disturbance of emotions and conduct 309.8 Diagnosis 309.9 Diagnosis 309.9 Unspecified adjustment reaction 309.9 Unspecified adjustment reaction 300.9 Unspecified nonpsychotic mental disorder 300.0 Poisoning by antibiotics 300.0 Diagnosis 300.0 Diagn	309.2	Predominant disturbance of other emotions as adjustment reaction	Diagnosis	ICD-9-CM
Specific academic or work inhibition as adjustment reaction 309.24 Adjustment disorder with anxiety 309.28 Adjustment disorder with mixed anxiety and depressed mood 309.29 Other adjustment reaction with predominant disturbance of other emotions 309.3 Adjustment disorder with disturbance of conduct 309.4 Adjustment disorder with mixed disturbance of emotions and conduct 309.8 Other specified adjustment reactions 309.81 Posttraumatic stress disorder 309.82 Adjustment reaction with physical symptoms 309.83 Adjustment reaction with withdrawal 309.84 Other specified adjustment reaction 309.85 Other specified adjustment reaction 309.86 Other specified adjustment reaction 309.87 Adjustment reaction with withdrawal 309.88 Other specified adjustment reaction 309.89 Other specified adjustment reaction 309.9 Unspecified and justment reaction 300.9 Unspecified nonpsychotic mental disorder 300.9 Diagnosis ICD-9-CM 300.0 Poisoning by antibiotics 300.0 Poisoning by penicillins 300.0 Diagnosis ICD-9-CM 300.0 Diagnosis ICD-9-CM 300.0 Diagnosis ICD-9-CM	309.21	Separation anxiety disorder	Diagnosis	ICD-9-CM
Adjustment disorder with anxiety 309.28 Adjustment disorder with mixed anxiety and depressed mood 309.29 Other adjustment reaction with predominant disturbance of other emotions 309.3 Adjustment disorder with disturbance of conduct 309.4 Adjustment disorder with mixed disturbance of emotions and conduct 309.8 Other specified adjustment reactions 309.81 Posttraumatic stress disorder 309.82 Adjustment reaction with physical symptoms 309.83 Adjustment reaction with withdrawal 309.89 Other specified adjustment reaction 309.80 Unspecified adjustment reaction 309.81 Diagnosis 309.82 ICD-9-CM 309.83 Adjustment reaction with withdrawal 309.89 Other specified adjustment reaction 309.9 Unspecified adjustment reaction 309.9 Unspecified and pustment reaction 300.9 Unspecified adjustment reaction 300.9 Unspecified nonpsychotic mental disorder Self-Harm Diagnosis 309.0 Poisoning by antibiotics 309.0 Diagnosis 300.0 Diag	309.22	Emancipation disorder of adolescence and early adult life	Diagnosis	ICD-9-CM
Adjustment disorder with mixed anxiety and depressed mood Other adjustment reaction with predominant disturbance of other emotions Other adjustment disorder with disturbance of conduct Other adjustment disorder with disturbance of conduct Other adjustment disorder with disturbance of conduct Other specified adjustment reactions Other specified adjustment reactions Other specified adjustment reactions Other specified adjustment reaction with physical symptoms Other specified adjustment reaction with withdrawal Other specified adjustment reaction Othe	309.23	Specific academic or work inhibition as adjustment reaction	Diagnosis	ICD-9-CM
309.29 Other adjustment reaction with predominant disturbance of other emotions 309.3 Adjustment disorder with disturbance of conduct 309.4 Adjustment disorder with mixed disturbance of emotions and conduct 309.8 Other specified adjustment reactions 309.8 Posttraumatic stress disorder 309.8 Adjustment reaction with physical symptoms 309.82 Adjustment reaction with physical symptoms 309.83 Adjustment reaction with withdrawal 309.89 Other specified adjustment reaction 309.9 Unspecified adjustment reaction 309.9 Unspecified nonpsychotic mental disorder Self-Harm Diagnosis Self-Harm Diagnosis ICD-9-CM	309.24	Adjustment disorder with anxiety	Diagnosis	ICD-9-CM
Adjustment disorder with disturbance of conduct 309.4 Adjustment disorder with mixed disturbance of emotions and conduct 309.8 Other specified adjustment reactions 309.81 Posttraumatic stress disorder 309.82 Adjustment reaction with physical symptoms 309.83 Adjustment reaction with withdrawal 309.89 Other specified adjustment reaction 309.9 Unspecified adjustment reaction 300.9 Unspecified nonpsychotic mental disorder Self-Harm Diagnosis Diagnosis Diagnosis ICD-9-CM	309.28	Adjustment disorder with mixed anxiety and depressed mood	Diagnosis	ICD-9-CM
Adjustment disorder with mixed disturbance of emotions and conduct 309.8 Other specified adjustment reactions 309.81 Posttraumatic stress disorder 309.82 Adjustment reaction with physical symptoms 309.83 Adjustment reaction with withdrawal 309.89 Other specified adjustment reaction 309.9 Unspecified adjustment reaction 309.9 Unspecified nonpsychotic mental disorder Self-Harm Diagnosis 960 Poisoning by antibiotics Poisoning by penicillins Diagnosis ICD-9-CM Diagnosis ICD-9-CM Diagnosis ICD-9-CM Diagnosis ICD-9-CM Diagnosis ICD-9-CM Diagnosis ICD-9-CM	309.29	Other adjustment reaction with predominant disturbance of other emotions	Diagnosis	ICD-9-CM
309.8Other specified adjustment reactionsDiagnosisICD-9-CM309.81Posttraumatic stress disorderDiagnosisICD-9-CM309.82Adjustment reaction with physical symptomsDiagnosisICD-9-CM309.83Adjustment reaction with withdrawalDiagnosisICD-9-CM309.89Other specified adjustment reactionDiagnosisICD-9-CM309.9Unspecified adjustment reactionDiagnosisICD-9-CM300.9Unspecified nonpsychotic mental disorderDiagnosisICD-9-CMSelf-Harm Diagnosis960Poisoning by antibioticsDiagnosisICD-9-CM960.0Poisoning by penicillinsDiagnosisICD-9-CM	309.3	Adjustment disorder with disturbance of conduct	Diagnosis	ICD-9-CM
309.81 Posttraumatic stress disorder 309.82 Adjustment reaction with physical symptoms 309.83 Adjustment reaction with withdrawal 309.89 Other specified adjustment reaction 309.9 Unspecified adjustment reaction 300.9 Unspecified nonpsychotic mental disorder Self-Harm Diagnosis Poisoning by antibiotics Diagnosis ICD-9-CM	309.4	Adjustment disorder with mixed disturbance of emotions and conduct	Diagnosis	ICD-9-CM
Adjustment reaction with physical symptoms Diagnosis ICD-9-CM 309.83 Adjustment reaction with withdrawal Diagnosis ICD-9-CM Diagnosis Diagnosis ICD-9-CM Diagnosis Diagnosis ICD-9-CM Diagnosis Diagnosis ICD-9-CM Diagnosis Diagnosis ICD-9-CM	309.8	Other specified adjustment reactions	Diagnosis	ICD-9-CM
309.83 Adjustment reaction with withdrawal Diagnosis ICD-9-CM 309.89 Other specified adjustment reaction Diagnosis ICD-9-CM 309.9 Unspecified adjustment reaction Diagnosis ICD-9-CM 300.9 Unspecified nonpsychotic mental disorder Diagnosis ICD-9-CM Self-Harm Diagnosis 960 Poisoning by antibiotics Diagnosis ICD-9-CM 960.0 Poisoning by penicillins Diagnosis ICD-9-CM	309.81	Posttraumatic stress disorder	Diagnosis	ICD-9-CM
309.89 Other specified adjustment reaction 309.9 Unspecified adjustment reaction 300.9 Unspecified nonpsychotic mental disorder Self-Harm Diagnosis 960 Poisoning by antibiotics 960.0 Poisoning by penicillins Diagnosis ICD-9-CM Diagnosis ICD-9-CM Diagnosis ICD-9-CM	309.82	Adjustment reaction with physical symptoms	Diagnosis	ICD-9-CM
309.9 Unspecified adjustment reaction 300.9 Unspecified nonpsychotic mental disorder Self-Harm Diagnosis 960 Poisoning by antibiotics Poisoning by penicillins Diagnosis ICD-9-CM Diagnosis ICD-9-CM Diagnosis ICD-9-CM	309.83	Adjustment reaction with withdrawal	Diagnosis	ICD-9-CM
309.9 Unspecified adjustment reaction 300.9 Unspecified nonpsychotic mental disorder Self-Harm Diagnosis 960 Poisoning by antibiotics Poisoning by penicillins Diagnosis ICD-9-CM Diagnosis ICD-9-CM Diagnosis ICD-9-CM	309.89	-	_	ICD-9-CM
300.9 Unspecified nonpsychotic mental disorder Diagnosis ICD-9-CM Self-Harm Diagnosis 960 Poisoning by antibiotics Diagnosis ICD-9-CM 960.0 Poisoning by penicillins Diagnosis ICD-9-CM	309.9		_	ICD-9-CM
960 Poisoning by antibiotics Diagnosis ICD-9-CM 960.0 Poisoning by penicillins Diagnosis ICD-9-CM	300.9	Unspecified nonpsychotic mental disorder	Diagnosis	ICD-9-CM
960.0 Poisoning by penicillins Diagnosis ICD-9-CM		Self-Harm Diagnosis		
	960	Poisoning by antibiotics	Diagnosis	ICD-9-CM
960.1 Poisoning by antifungal antibiotics Diagnosis ICD-9-CM	960.0	Poisoning by penicillins	Diagnosis	ICD-9-CM
	960.1	Poisoning by antifungal antibiotics	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
960.2	Poisoning by chloramphenicol group	Diagnosis	ICD-9-CM
960.3	Poisoning by erythromycin and other macrolides	Diagnosis	ICD-9-CM
960.4	Poisoning by tetracycline group	Diagnosis	ICD-9-CM
960.5	Poisoning of cephalosporin group	Diagnosis	ICD-9-CM
960.6	Poisoning of antimycobacterial antibiotics	Diagnosis	ICD-9-CM
960.7	Poisoning by antineoplastic antibiotics	Diagnosis	ICD-9-CM
960.8	Poisoning by other specified antibiotics	Diagnosis	ICD-9-CM
960.9	Poisoning by unspecified antibiotic	Diagnosis	ICD-9-CM
961	Poisoning by other anti-infectives	Diagnosis	ICD-9-CM
961.0	Poisoning by sulfonamides	Diagnosis	ICD-9-CM
961.1	Poisoning by arsenical anti-infectives	Diagnosis	ICD-9-CM
961.2	Poisoning by heavy metal anti-infectives	Diagnosis	ICD-9-CM
961.3	Poisoning by quinoline and hydroxyquinoline derivatives	Diagnosis	ICD-9-CM
961.4	Poisoning by antimalarials and drugs acting on other blood protozoa	Diagnosis	ICD-9-CM
961.5	Poisoning by other antiprotozoal drugs	Diagnosis	ICD-9-CM
961.6	Poisoning by anthelmintics	Diagnosis	ICD-9-CM
961.7	Poisoning by antiviral drugs	Diagnosis	ICD-9-CM
961.8	Poisoning by other antimycobacterial drugs	Diagnosis	ICD-9-CM
961.9	Poisoning by other and unspecified anti-infectives	Diagnosis	ICD-9-CM
962	Poisoning by hormones and synthetic substitutes	Diagnosis	ICD-9-CM
962.0	Poisoning by adrenal cortical steroids	Diagnosis	ICD-9-CM
962.1	Poisoning by androgens and anabolic congeners	Diagnosis	ICD-9-CM
962.2	Poisoning by ovarian hormones and synthetic substitutes	Diagnosis	ICD-9-CM
962.3	Poisoning by insulins and antidiabetic agents	Diagnosis	ICD-9-CM
962.4	Poisoning by anterior pituitary hormones	Diagnosis	ICD-9-CM
962.5	Poisoning by posterior pituitary hormones	Diagnosis	ICD-9-CM
962.6	Poisoning by parathyroid and parathyroid derivatives	Diagnosis	ICD-9-CM
962.7	Poisoning by thyroid and thyroid derivatives	Diagnosis	ICD-9-CM
962.8	Poisoning by antithyroid agents	Diagnosis	ICD-9-CM
962.9	Poisoning by other and unspecified hormones and synthetic substitutes	Diagnosis	ICD-9-CM
963	Poisoning by primarily systemic agents	Diagnosis	ICD-9-CM
963.0	Poisoning by antiallergic and antiemetic drugs	Diagnosis	ICD-9-CM
963.1	Poisoning by antineoplastic and immunosuppressive drugs	Diagnosis	ICD-9-CM
963.2	Poisoning by acidifying agents	Diagnosis	ICD-9-CM
963.3	Poisoning by alkalizing agents	Diagnosis	ICD-9-CM
963.4	Poisoning by enzymes, not elsewhere classified	Diagnosis	ICD-9-CM
963.5	Poisoning by vitamins, not elsewhere classified	Diagnosis	ICD-9-CM
963.8	Poisoning by other specified systemic agents	Diagnosis	ICD-9-CM
963.9	Poisoning by unspecified systemic agent	Diagnosis	ICD-9-CM
964	Poisoning by agents primarily affecting blood constituents	Diagnosis	ICD-9-CM
964.0	Poisoning by iron and its compounds	Diagnosis	ICD-9-CM
964.1	Poisoning by liver preparations and other antianemic agents	Diagnosis	ICD-9-CM
964.2	Poisoning by anticoagulants	Diagnosis	ICD-9-CM
964.3	Poisoning by vitamin K (phytonadione)	Diagnosis	ICD-9-CM
964.4	Poisoning by fibrinolysis-affecting drugs	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
964.5	Poisoning by anticoagulant antagonists and other coagulants	Diagnosis	ICD-9-CM
964.6	Poisoning by gamma globulin	Diagnosis	ICD-9-CM
964.7	Poisoning by natural blood and blood products	Diagnosis	ICD-9-CM
964.8	Poisoning by other specified agents affecting blood constituents	Diagnosis	ICD-9-CM
964.9	Poisoning by unspecified agent affecting blood constituents	Diagnosis	ICD-9-CM
965	Poisoning by analgesics, antipyretics, and antirheumatics	Diagnosis	ICD-9-CM
965.0	Poisoning by opiates and related narcotics	Diagnosis	ICD-9-CM
965.00	Poisoning by opium (alkaloids), unspecified	Diagnosis	ICD-9-CM
965.01	Poisoning by heroin	Diagnosis	ICD-9-CM
965.02	Poisoning by methadone	Diagnosis	ICD-9-CM
965.09	Poisoning by opiates and related narcotics, other	Diagnosis	ICD-9-CM
965.1	Poisoning by salicylates	Diagnosis	ICD-9-CM
965.4	Poisoning by aromatic analgesics, not elsewhere classified	Diagnosis	ICD-9-CM
965.5	Poisoning by pyrazole derivatives	Diagnosis	ICD-9-CM
965.6	Poisoning by antirheumatics (antiphlogistics)	Diagnosis	ICD-9-CM
965.61	Poisoning by propionic acid derivatives	Diagnosis	ICD-9-CM
965.69	Poisoning by other antirheumatics	Diagnosis	ICD-9-CM
965.7	Poisoning by other non-narcotic analgesics	Diagnosis	ICD-9-CM
965.8	Poisoning by other specified analgesics and antipyretics	Diagnosis	ICD-9-CM
965.9	Poisoning by unspecified analgesic and antipyretic	Diagnosis	ICD-9-CM
966	Poisoning by anticonvulsants and anti-Parkinsonism drugs	Diagnosis	ICD-9-CM
966.0	Poisoning by oxazolidine derivatives	Diagnosis	ICD-9-CM
966.1	Poisoning by hydantoin derivatives	Diagnosis	ICD-9-CM
966.2	Poisoning by succinimides	Diagnosis	ICD-9-CM
966.3	Poisoning by other and unspecified anticonvulsants	Diagnosis	ICD-9-CM
966.4	Poisoning by anti-Parkinsonism drugs	Diagnosis	ICD-9-CM
967	Poisoning by sedatives and hypnotics	Diagnosis	ICD-9-CM
967.0	Poisoning by barbiturates	Diagnosis	ICD-9-CM
967.1	Poisoning by chloral hydrate group	Diagnosis	ICD-9-CM
967.2	Poisoning by paraldehyde	Diagnosis	ICD-9-CM
967.3	Poisoning by bromine compounds	Diagnosis	ICD-9-CM
967.4	Poisoning by methaqualone compounds	Diagnosis	ICD-9-CM
967.5	Poisoning by glutethimide group	Diagnosis	ICD-9-CM
967.6	Poisoning by mixed sedatives, not elsewhere classified	Diagnosis	ICD-9-CM
967.8	Poisoning by other sedatives and hypnotics	Diagnosis	ICD-9-CM
967.9	Poisoning by unspecified sedative or hypnotic	Diagnosis	ICD-9-CM
968	Poisoning by other central nervous system depressants and anesthetics	Diagnosis	ICD-9-CM
968.0	Poisoning by central nervous system muscle-tone depressants	Diagnosis	ICD-9-CM
968.1	Poisoning by halothane	Diagnosis	ICD-9-CM
968.2	Poisoning by other gaseous anesthetics	Diagnosis	ICD-9-CM
968.3	Poisoning by intravenous anesthetics	Diagnosis	ICD-9-CM
968.4	Poisoning by other and unspecified general anesthetics	Diagnosis	ICD-9-CM
968.5	Poisoning by other central nervous system depressants and anesthetics, Surface	Diagnosis	ICD-9-CM
968.6	Poisoning by peripheral nerve- and plexus-blocking anesthetics	Diagnosis	ICD-9-CM
968.7	Poisoning by spinal anesthetics	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
968.9	Poisoning by other and unspecified local anesthetics	Diagnosis	ICD-9-CM
969	Poisoning by psychotropic agents	Diagnosis	ICD-9-CM
969.0	Poisoning by antidepressants	Diagnosis	ICD-9-CM
969.00	Poisoning by antidepressant, unspecified	Diagnosis	ICD-9-CM
969.01	Poisoning by monoamine oxidase inhibitors	Diagnosis	ICD-9-CM
969.02	Poisoning by selective serotonin and norepinephrine reuptake inhibitors	Diagnosis	ICD-9-CM
969.03	Poisoning by selective serotonin reuptake inhibitors	Diagnosis	ICD-9-CM
969.04	Poisoning by tetracyclic antidepressants	Diagnosis	ICD-9-CM
969.05	Poisoning by tricyclic antidepressants	Diagnosis	ICD-9-CM
969.09	Poisoning by other antidepressants	Diagnosis	ICD-9-CM
969.1	Poisoning by phenothiazine-based tranquilizers	Diagnosis	ICD-9-CM
969.2	Poisoning by butyrophenone-based tranquilizers	Diagnosis	ICD-9-CM
969.3	Poisoning by other antipsychotics, neuroleptics, and major tranquilizers	Diagnosis	ICD-9-CM
969.4	Poisoning by benzodiazepine-based tranquilizers	Diagnosis	ICD-9-CM
969.5	Poisoning by other tranquilizers	Diagnosis	ICD-9-CM
969.6	Poisoning by psychodysleptics (hallucinogens)	Diagnosis	ICD-9-CM
969.7	Poisoning by psychostimulants	Diagnosis	ICD-9-CM
969.70	Poisoning by psychostimulant, unspecified	Diagnosis	ICD-9-CM
969.71	Poisoning by caffeine	Diagnosis	ICD-9-CM
969.72	Poisoning by amphetamines	Diagnosis	ICD-9-CM
969.73	Poisoning by methylphenidate	Diagnosis	ICD-9-CM
969.79	Poisoning by other psychostimulants	Diagnosis	ICD-9-CM
969.8	Poisoning by other specified psychotropic agents	Diagnosis	ICD-9-CM
969.9	Poisoning by unspecified psychotropic agent	Diagnosis	ICD-9-CM
970	Poisoning by central nervous system stimulants	Diagnosis	ICD-9-CM
970.0	Poisoning by analeptics	Diagnosis	ICD-9-CM
970.1	Poisoning by opiate antagonists	Diagnosis	ICD-9-CM
970.8	Poisoning by other specified central nervous system stimulants	Diagnosis	ICD-9-CM
970.81	Poisoning by cocaine	Diagnosis	ICD-9-CM
970.89	Poisoning by other central nervous system stimulants	Diagnosis	ICD-9-CM
970.9	Poisoning by unspecified central nervous system stimulant	Diagnosis	ICD-9-CM
971	Poisoning by drugs primarily affecting the autonomic nervous system	Diagnosis	ICD-9-CM
971.0	Poisoning by parasympathomimetics (cholinergics)	Diagnosis	ICD-9-CM
971.1	Poisoning by parasympatholytics (anticholinergics and antimuscarinics) and spa	Diagnosis	ICD-9-CM
971.2	Poisoning by sympathomimetics (adrenergics)	Diagnosis	ICD-9-CM
971.3	Poisoning by sympatholytics (antiadrenergics)	Diagnosis	ICD-9-CM
971.9	Poisoning by unspecified drug primarily affecting autonomic nervous system	Diagnosis	ICD-9-CM
972	Poisoning by agents primarily affecting the cardiovascular system	Diagnosis	ICD-9-CM
972.0	Poisoning by cardiac rhythm regulators	Diagnosis	ICD-9-CM
972.1	Poisoning by cardiotonic glycosides and drugs of similar action	Diagnosis	ICD-9-CM
972.2	Poisoning by antilipemic and antiarteriosclerotic drugs	Diagnosis	ICD-9-CM
972.3	Poisoning by ganglion-blocking agents	Diagnosis	ICD-9-CM
972.4	Poisoning by coronary vasodilators	Diagnosis	ICD-9-CM
972.5	Poisoning by other vasodilators	Diagnosis	ICD-9-CM
972.6	Poisoning by other antihypertensive agents	Diagnosis	ICD-9-CM
		-	

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Code	Description	Code Type	Code Category
972.7	Poisoning by antivaricose drugs, including sclerosing agents	Diagnosis	ICD-9-CM
972.8	Poisoning by capillary-active drugs	Diagnosis	ICD-9-CM
972.9	Poisoning by other and unspecified agents primarily affecting the	Diagnosis	ICD-9-CM
	cardiovascular system		
973	Poisoning by agents primarily affecting the gastrointestinal system	Diagnosis	ICD-9-CM
973.0	Poisoning by antacids and antigastric secretion drugs	Diagnosis	ICD-9-CM
973.1	Poisoning by irritant cathartics	Diagnosis	ICD-9-CM
973.2	Poisoning by emollient cathartics	Diagnosis	ICD-9-CM
973.3	Poisoning by other cathartics, including intestinal atonia drugs	Diagnosis	ICD-9-CM
973.4	Poisoning by digestants	Diagnosis	ICD-9-CM
973.5	Poisoning by antidiarrheal drugs	Diagnosis	ICD-9-CM
973.6	Poisoning by emetics	Diagnosis	ICD-9-CM
973.8	Poisoning by other specified agents primarily affecting the gastrointestinal syst	€ Diagnosis	ICD-9-CM
973.9	Poisoning by unspecified agent primarily affecting the gastrointestinal system	Diagnosis	ICD-9-CM
974	Poisoning by water, mineral, and uric acid metabolism drugs	Diagnosis	ICD-9-CM
974.0	Poisoning by mercurial diuretics	Diagnosis	ICD-9-CM
974.1	Poisoning by purine derivative diuretics	Diagnosis	ICD-9-CM
974.2	Poisoning by carbonic acid anhydrase inhibitors	Diagnosis	ICD-9-CM
974.3	Poisoning by saluretics	Diagnosis	ICD-9-CM
974.4	Poisoning by other diuretics	Diagnosis	ICD-9-CM
974.5	Poisoning by electrolytic, caloric, and water-balance agents	Diagnosis	ICD-9-CM
974.6	Poisoning by other mineral salts, not elsewhere classified	Diagnosis	ICD-9-CM
974.7	Poisoning by uric acid metabolism drugs	Diagnosis	ICD-9-CM
975	Poisoning by agents primarily acting on the smooth and skeletal muscles and	Diagnosis	ICD-9-CM
	respiratory system		
975.0	Poisoning by oxytocic agents	Diagnosis	ICD-9-CM
975.1	Poisoning by smooth muscle relaxants	Diagnosis	ICD-9-CM
975.2	Poisoning by skeletal muscle relaxants	Diagnosis	ICD-9-CM
975.3	Poisoning by other and unspecified drugs acting on muscles	Diagnosis	ICD-9-CM
975.4	Poisoning by antitussives	Diagnosis	ICD-9-CM
975.5	Poisoning by expectorants	Diagnosis	ICD-9-CM
975.6	Poisoning by anti-common cold drugs	Diagnosis	ICD-9-CM
975.7	Poisoning by antiasthmatics	Diagnosis	ICD-9-CM
975.8	Poisoning by other and unspecified respiratory drugs	Diagnosis	ICD-9-CM
976	Poisoning by agents primarily affecting skin and mucous membrane,	Diagnosis	ICD-9-CM
	ophthalmological, otorhinolaryngological, and dental drugs		
976.0	Poisoning by local anti-infectives and anti-inflammatory drugs	Diagnosis	ICD-9-CM
976.1	Poisoning by antipruritics	Diagnosis	ICD-9-CM
976.2	Poisoning by local astringents and local detergents	Diagnosis	ICD-9-CM
976.3	Poisoning by emollients, demulcents, and protectants	Diagnosis	ICD-9-CM
976.4	Poisoning by keratolytics, keratoplastics, other hair treatment drugs and preparations	Diagnosis	ICD-9-CM
976.5	Poisoning by eye anti-infectives and other eye drugs	Diagnosis	ICD-9-CM
976.6	Poisoning by anti-infectives and other drugs and preparations for ear, nose,	Diagnosis	ICD-9-CM
	and throat	- 00.0	

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Code	Description	Code Type	Code Category
976.7	Poisoning by dental drugs topically applied	Diagnosis	ICD-9-CM
976.8	Poisoning by other agents primarily affecting skin and mucous membrane	Diagnosis	ICD-9-CM
976.9	Poisoning by unspecified agent primarily affecting skin and mucous membrane	Diagnosis	ICD-9-CM
977	Poisoning by other and unspecified drugs and medicinal substances	Diagnosis	ICD-9-CM
977.0	Poisoning by dietetics	Diagnosis	ICD-9-CM
977.1	Poisoning by lipotropic drugs	Diagnosis	ICD-9-CM
977.2	Poisoning by antidotes and chelating agents, not elsewhere classified	Diagnosis	ICD-9-CM
977.3	Poisoning by alcohol deterrents	Diagnosis	ICD-9-CM
977.4	Poisoning by pharmaceutical excipients	Diagnosis	ICD-9-CM
977.8	Poisoning by other specified drugs and medicinal substances	Diagnosis	ICD-9-CM
977.9	Poisoning by unspecified drug or medicinal substance	Diagnosis	ICD-9-CM
978	Poisoning by bacterial vaccines	Diagnosis	ICD-9-CM
978.0	Poisoning by BCG vaccine	Diagnosis	ICD-9-CM
978.1	Poisoning by typhoid and paratyphoid vaccine	Diagnosis	ICD-9-CM
978.2	Poisoning by cholera vaccine	Diagnosis	ICD-9-CM
978.3	Poisoning by plague vaccine	Diagnosis	ICD-9-CM
978.4	Poisoning by tetanus vaccine	Diagnosis	ICD-9-CM
978.5	Poisoning by diphtheria vaccine	Diagnosis	ICD-9-CM
978.6	Poisoning by pertussis vaccine, including combinations with pertussis compone	Diagnosis	ICD-9-CM
978.8	Poisoning by other and unspecified bacterial vaccines	Diagnosis	ICD-9-CM
978.9	Poisoning by mixed bacterial vaccines, except combinations with pertussis component	Diagnosis	ICD-9-CM
979	Poisoning by other vaccines and biological substances	Diagnosis	ICD-9-CM
979.0	Poisoning by smallpox vaccine	Diagnosis	ICD-9-CM
979.1	Poisoning by rabies vaccine	Diagnosis	ICD-9-CM
979.2	Poisoning by typhus vaccine	Diagnosis	ICD-9-CM
979.3	Poisoning by yellow fever vaccine	Diagnosis	ICD-9-CM
979.4	Poisoning by measles vaccine	Diagnosis	ICD-9-CM
979.5	Poisoning by poliomyelitis vaccine	Diagnosis	ICD-9-CM
979.6	Poisoning by other and unspecified viral and rickettsial vaccines	Diagnosis	ICD-9-CM
979.7	Poisoning by mixed viral-rickettsial and bacterial vaccines, except	Diagnosis	ICD-9-CM
	combinations with pertussis component	2108.100.0	
979.9	Poisoning by other and unspecified vaccines and biological substances	Diagnosis	ICD-9-CM
881	Open wound of elbow, forearm, and wrist	Diagnosis	ICD-9-CM
980	Toxic effect of alcohol	Diagnosis	ICD-9-CM
980.0	Toxic effect of ethyl alcohol	Diagnosis	ICD-9-CM
980.1	Toxic effect of methyl alcohol	Diagnosis	ICD-9-CM
980.2	Toxic effect of isopropyl alcohol	Diagnosis	ICD-9-CM
980.3	Toxic effect of fusel oil	Diagnosis	ICD-9-CM
980.8	Toxic effect of other specified alcohols	Diagnosis	ICD-9-CM
980.9	Toxic effect of unspecified alcohol	Diagnosis	ICD-9-CM
981	Toxic effect of petroleum products	Diagnosis	ICD-9-CM
982	Toxic effect of solvents other than petroleum-based	Diagnosis	ICD-9-CM
982.0	Toxic effect of benzene and homologues	Diagnosis	ICD-9-CM
982.1	Toxic effect of carbon tetrachloride	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
982.2	Toxic effect of carbon disulfide	Diagnosis	ICD-9-CM
982.3	Toxic effect of other chlorinated hydrocarbon solvents	Diagnosis	ICD-9-CM
982.4	Toxic effect of nitroglycol	Diagnosis	ICD-9-CM
982.8	Toxic effect of other nonpetroleum-based solvents	Diagnosis	ICD-9-CM
983	Toxic effect of corrosive aromatics, acids, and caustic alkalis	Diagnosis	ICD-9-CM
983.0	Toxic effect of corrosive aromatics	Diagnosis	ICD-9-CM
983.1	Toxic effect of acids	Diagnosis	ICD-9-CM
983.2	Toxic effect of caustic alkalis	Diagnosis	ICD-9-CM
983.9	Toxic effect of caustic, unspecified	Diagnosis	ICD-9-CM
984	Toxic effect of lead and its compounds (including fumes)	Diagnosis	ICD-9-CM
984.0	Toxic effect of inorganic lead compounds	Diagnosis	ICD-9-CM
984.1	Toxic effect of organic lead compounds	Diagnosis	ICD-9-CM
984.8	Toxic effect of other lead compounds	Diagnosis	ICD-9-CM
984.9	Toxic effect of unspecified lead compound	Diagnosis	ICD-9-CM
985	Toxic effect of other metals	Diagnosis	ICD-9-CM
985.0	Toxic effect of mercury and its compounds	Diagnosis	ICD-9-CM
985.1	Toxic effect of arsenic and its compounds	Diagnosis	ICD-9-CM
985.2	Toxic effect of manganese and its compounds	Diagnosis	ICD-9-CM
985.3	Toxic effect of beryllium and its compounds	Diagnosis	ICD-9-CM
985.4	Toxic effect of antimony and its compounds	Diagnosis	ICD-9-CM
985.5	Toxic effect of cadmium and its compounds	Diagnosis	ICD-9-CM
985.6	Toxic effect of chromium	Diagnosis	ICD-9-CM
985.8	Toxic effect of other specified metals	Diagnosis	ICD-9-CM
985.9	Toxic effect of unspecified metal	Diagnosis	ICD-9-CM
986	Toxic effect of carbon monoxide	Diagnosis	ICD-9-CM
987	Toxic effect of other gases, fumes, or vapors	Diagnosis	ICD-9-CM
987.0	Toxic effect of liquefied petroleum gases	Diagnosis	ICD-9-CM
987.1	Toxic effect of other hydrocarbon gas	Diagnosis	ICD-9-CM
987.2	Toxic effect of nitrogen oxides	Diagnosis	ICD-9-CM
987.3	Toxic effect of sulfur dioxide	Diagnosis	ICD-9-CM
987.4	Toxic effect of freon	Diagnosis	ICD-9-CM
987.5	Toxic effect of lacrimogenic gas	Diagnosis	ICD-9-CM
987.6	Toxic effect of chlorine gas	Diagnosis	ICD-9-CM
987.7	Toxic effect of hydrocyanic acid gas	Diagnosis	ICD-9-CM
987.8	Toxic effect of other specified gases, fumes, or vapors	Diagnosis	ICD-9-CM
987.9	Toxic effect of unspecified gas, fume, or vapor	Diagnosis	ICD-9-CM
988	Toxic effect of noxious substances eaten as food	Diagnosis	ICD-9-CM
988.0	Toxic effect of fish and shellfish	Diagnosis	ICD-9-CM
988.1	Toxic effect of mushrooms	Diagnosis	ICD-9-CM
988.2	Toxic effect of berries and other plants	Diagnosis	ICD-9-CM
988.8	Toxic effect of other specified noxious substances	Diagnosis	ICD-9-CM
988.9	Toxic effect of unspecified noxious substance	Diagnosis	ICD-9-CM
989	Toxic effect of other substances, chiefly nonmedicinal as to source	Diagnosis	ICD-9-CM
989.0	Toxic effect of hydrocyanic acid and cyanides	Diagnosis	ICD-9-CM
989.1	Toxic effect of strychnine and salts	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
989.2	Toxic effect of chlorinated hydrocarbons	Diagnosis	ICD-9-CM
989.3	Toxic effect of organophosphate and carbamate	Diagnosis	ICD-9-CM
989.4	Toxic effect of other pesticides, not elsewhere classified	Diagnosis	ICD-9-CM
989.5	Toxic effect of venom	Diagnosis	ICD-9-CM
989.6	Toxic effect of soaps and detergents	Diagnosis	ICD-9-CM
989.7	Toxic effect of aflatoxin and other mycotoxin (food contaminants)	Diagnosis	ICD-9-CM
989.8	Toxic effect of other substances, chiefly nonmedicinal as to source	Diagnosis	ICD-9-CM
989.81	Toxic effect of asbestos	Diagnosis	ICD-9-CM
989.82	Toxic effect of latex	Diagnosis	ICD-9-CM
989.83	Toxic effect of silicone	Diagnosis	ICD-9-CM
989.84	Toxic effect of tobacco	Diagnosis	ICD-9-CM
989.89	Toxic effect of other substances	Diagnosis	ICD-9-CM
989.9	Toxic effect of unspecified substance, chiefly nonmedicinal as to source	Diagnosis	ICD-9-CM
994.7	Asphyxiation and strangulation	Diagnosis	ICD-9-CM

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Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes Used to Define Inclusions and Exclusion Criteria in this Request

Code	Description	Code Type	Code Category
	Mood or Depressive Disorder (Inclusion)		
311	Depressive disorder, not elsewhere classified	Diagnosis	ICD-9-CM
293.83	Mood disorder in conditions classified elsewhere	Diagnosis	ICD-9-CM
296.2	Major depressive disorder, single episode	Diagnosis	ICD-9-CM
296.20	Major depressive disorder, single episode, unspecified	Diagnosis	ICD-9-CM
296.21	Major depressive disorder, single episode, mild	Diagnosis	ICD-9-CM
296.22	Major depressive disorder, single episode, moderate	Diagnosis	ICD-9-CM
296.23	Major depressive disorder, single episode, severe, without mention of	Diagnosis	ICD-9-CM
	psychotic behavior		
296.24	Major depressive disorder, single episode, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM
296.25	Major depressive disorder, single episode, in partial or unspecified remission	Diagnosis	ICD-9-CM
296.26	Major depressive disorder, single episode in full remission	Diagnosis	ICD-9-CM
296.3	Major depressive disorder, recurrent episode	Diagnosis	ICD-9-CM
296.30	Major depressive disorder, recurrent episode, unspecified	Diagnosis	ICD-9-CM
296.31	Major depressive disorder, recurrent episode, mild	Diagnosis	ICD-9-CM
296.32	Major depressive disorder, recurrent episode, moderate	Diagnosis	ICD-9-CM
296.33	Major depressive disorder, recurrent episode, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM
296.34	Major depressive disorder, recurrent episode, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM
296.35	Major depressive disorder, recurrent episode, in partial or unspecified remission	Diagnosis	ICD-9-CM
296.36	Major depressive disorder, recurrent episode, in full remission	Diagnosis	ICD-9-CM
296.5	Bipolar I disorder, most recent episode (or current), depressed	Diagnosis	ICD-9-CM
296.50	Bipolar I disorder, most recent episode (or current) depressed, unspecified	Diagnosis	ICD-9-CM
296.51	Bipolar I disorder, most recent episode (or current) depressed, mild	Diagnosis	ICD-9-CM
296.52	Bipolar I disorder, most recent episode (or current) depressed, moderate	Diagnosis	ICD-9-CM
296.53	Bipolar I disorder, most recent episode (or current) depressed, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM
296.54	Bipolar I disorder, most recent episode (or current) depressed, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM
296.55	Bipolar I disorder, most recent episode (or current) depressed, in partial or unspecified remission	Diagnosis	ICD-9-CM
296.56	Bipolar I disorder, most recent episode (or current) depressed, in full remission	Diagnosis	ICD-9-CM
296.90	Unspecified episodic mood disorder	Diagnosis	ICD-9-CM
298.0	Depressive type psychosis	Diagnosis	ICD-9-CM
300.4	Dysthymic disorder	Diagnosis	ICD-9-CM
301.12	Chronic depressive personality disorder	Diagnosis	ICD-9-CM
309.0	Adjustment disorder with depressed mood	Diagnosis	ICD-9-CM
309.1	Prolonged depressive reaction as adjustment reaction	Diagnosis	ICD-9-CM
309.28	Adjustment disorder with mixed anxiety and depressed mood	Diagnosis	ICD-9-CM
	Traumatic Brain Injury (Exclusion)		
851	Cerebral laceration and contusion	Diagnosis	ICD-9-CM
851.0	Cortex (cerebral) contusion without mention of open intracranial wound	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
851.00	Cortex (cerebral) contusion without mention of open intracranial wound, state of consciousness unspecified	Diagnosis	ICD-9-CM
851.01	Cortex (cerebral) contusion without mention of open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
851.02	Cortex (cerebral) contusion without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
851.03	Cortex (cerebral) contusion without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
851.04	Cortex (cerebral) contusion without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.05	Cortex (cerebral) contusion without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.06	Cortex (cerebral) contusion without mention of open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
851.09	Cortex (cerebral) contusion without mention of open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
851.1	Cortex (cerebral) contusion with open intracranial wound	Diagnosis	ICD-9-CM
851.10	Cortex (cerebral) contusion with open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
851.11	Cortex (cerebral) contusion with open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
851.12	Cortex (cerebral) contusion with open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
851.13	Cortex (cerebral) contusion with open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
851.14	Cortex (cerebral) contusion with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.15	Cortex (cerebral) contusion with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.16	Cortex (cerebral) contusion with open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
851.19	Cortex (cerebral) contusion with open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
851.2	Cortex (cerebral) laceration without mention of open intracranial wound	Diagnosis	ICD-9-CM
851.20	Cortex (cerebral) laceration without mention of open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
851.21	Cortex (cerebral) laceration without mention of open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
851.22	Cortex (cerebral) laceration without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
851.23	Cortex (cerebral) laceration without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
851.24	Cortex (cerebral) laceration without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.25	Cortex (cerebral) laceration without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.26	Cortex (cerebral) laceration without mention of open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
851.29	Cortex (cerebral) laceration without mention of open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
851.3	Cortex (cerebral) laceration with open intracranial wound	Diagnosis	ICD-9-CM
851.30	Cortex (cerebral) laceration with open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
851.31	Cortex (cerebral) laceration with open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
851.32	Cortex (cerebral) laceration with open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
851.33	Cortex (cerebral) laceration with open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
851.34	Cortex (cerebral) laceration with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.35	Cortex (cerebral) laceration with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.36	Cortex (cerebral) laceration with open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
851.39	Cortex (cerebral) laceration with open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
851.4	Cerebellar or brain stem contusion without mention of open intracranial wound	Diagnosis	ICD-9-CM
851.40	Cerebellar or brain stem contusion without mention of open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
851.41	Cerebellar or brain stem contusion without mention of open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
851.42	Cerebellar or brain stem contusion without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
851.43	Cerebellar or brain stem contusion without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
851.44	Cerebellar or brain stem contusion without mention of open intracranial wound, prolonged (more than 24 hours) loss consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.45	Cerebellar or brain stem contusion without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
851.46	Cerebellar or brain stem contusion without mention of open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
851.49	Cerebellar or brain stem contusion without mention of open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
851.5	Cerebellar or brain stem contusion with open intracranial wound	Diagnosis	ICD-9-CM
851.50	Cerebellar or brain stem contusion with open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
851.51	Cerebellar or brain stem contusion with open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
851.52	Cerebellar or brain stem contusion with open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
851.53	Cerebellar or brain stem contusion with open intracranial wound, moderate (1-24 hours) loss of consciousness	- Diagnosis	ICD-9-CM
851.54	Cerebellar or brain stem contusion with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.55	Cerebellar or brain stem contusion with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.56	Cerebellar or brain stem contusion with open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
851.59	Cerebellar or brain stem contusion with open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
851.6	Cerebellar or brain stem laceration without mention of open intracranial wound	Diagnosis	ICD-9-CM
851.60	Cerebellar or brain stem laceration without mention of open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
851.61	Cerebellar or brain stem laceration without mention of open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
851.62	Cerebellar or brain stem laceration without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
851.63	Cerebellar or brain stem laceration without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
851.64	Cerebellar or brain stem laceration without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.65	Cerebellar or brain stem laceration without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.66	Cerebellar or brain stem laceration without mention of open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
851.69	Cerebellar or brain stem laceration without mention of open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
851.7	Cerebellar or brain stem laceration with open intracranial wound	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
851.70	Cerebellar or brain stem laceration with open intracranial wound, state of consciousness unspecified	Diagnosis	ICD-9-CM
851.71	Cerebellar or brain stem laceration with open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
851.72	Cerebellar or brain stem laceration with open intracranial wound, brief (less than one hour) loss of consciousness	Diagnosis	ICD-9-CM
851.73	Cerebellar or brain stem laceration with open intracranial wound, moderate (1 24 hours) loss of consciousness	- Diagnosis	ICD-9-CM
851.74	Cerebellar or brain stem laceration with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.75	Cerebellar or brain stem laceration with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.76	Cerebellar or brain stem laceration with open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
851.79	Cerebellar or brain stem laceration with open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
851.8	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound	Diagnosis	ICD-9-CM
851.80	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
851.81	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
851.82	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
851.83	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
851.84	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to preexisting conscious level	Diagnosis	ICD-9-CM
851.85	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.86	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
851.89	Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
851.9	Other and unspecified cerebral laceration and contusion, with open intracranial wound	Diagnosis	ICD-9-CM
851.90	Other and unspecified cerebral laceration and contusion, with open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
851.91	Other and unspecified cerebral laceration and contusion, with open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
851.92	Other and unspecified cerebral laceration and contusion, with open	Diagnosis	ICD-9-CM
	intracranial wound, brief (less than 1 hour) loss of consciousness		
851.93	Other and unspecified cerebral laceration and contusion, with open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
851.94	Other and unspecified cerebral laceration and contusion, with open	Diagnosis	ICD-9-CM
	intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level		
851.95	Other and unspecified cerebral laceration and contusion, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
851.96	Other and unspecified cerebral laceration and contusion, with open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
851.99	Other and unspecified cerebral laceration and contusion, with open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
852	Subarachnoid, subdural, and extradural hemorrhage, following injury	Diagnosis	ICD-9-CM
852.0	Subarachnoid hemorrhage following injury without mention of open intracranial wound	Diagnosis	ICD-9-CM
852.00	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
852.01	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
852.02	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
852.03	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
852.04	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
852.05	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
852.06	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
852.09	Subarachnoid hemorrhage following injury, without mention of open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
852.1	Subarachnoid hemorrhage following injury, with open intracranial wound	Diagnosis	ICD-9-CM
852.10	Subarachnoid hemorrhage following injury, with open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
852.11	Subarachnoid hemorrhage following injury, with open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
852.12	Subarachnoid hemorrhage following injury, with open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
852.13	Subarachnoid hemorrhage following injury, with open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
852.14	Subarachnoid hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
852.15	Subarachnoid hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
852.16	Subarachnoid hemorrhage following injury, with open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
852.19	Subarachnoid hemorrhage following injury, with open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
852.2	Subdural hemorrhage following injury without mention of open intracranial wound	Diagnosis	ICD-9-CM
852.20	Subdural hemorrhage following injury, without mention of open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
852.21	Subdural hemorrhage following injury, without mention of open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
852.22	Subdural hemorrhage following injury, without mention of open intracranial wound, brief (less than one hour) loss of consciousness	Diagnosis	ICD-9-CM
852.23	Subdural hemorrhage following injury, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
852.24	Subdural hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
852.25	Subdural hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
852.26	Subdural hemorrhage following injury, without mention of open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
852.29	Subdural hemorrhage following injury, without mention of open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
852.3	Subdural hemorrhage following injury, with open intracranial wound	Diagnosis	ICD-9-CM
852.30	Subdural hemorrhage following injury, with open intracranial wound, state of consciousness unspecified	Diagnosis	ICD-9-CM
852.31	Subdural hemorrhage following injury, with open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
852.32	Subdural hemorrhage following injury, with open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
852.33	Subdural hemorrhage following injury, with open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
852.34	Subdural hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
852.35	Subdural hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
852.36	Subdural hemorrhage following injury, with open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
852.39	Subdural hemorrhage following injury, with open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
852.4	Extradural hemorrhage following injury without mention of open intracranial wound	Diagnosis	ICD-9-CM
852.40	Extradural hemorrhage following injury, without mention of open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
852.41	Extradural hemorrhage following injury, without mention of open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
852.42	Extradural hemorrhage following injury, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
852.43	Extradural hemorrhage following injury, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
852.44	Extradural hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
852.45	Extradural hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
852.46	Extradural hemorrhage following injury, without mention of open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
852.49	Extradural hemorrhage following injury, without mention of open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
852.5	Extradural hemorrhage following injury with open intracranial wound	Diagnosis	ICD-9-CM
852.50	Extradural hemorrhage following injury, with open intracranial wound, state of consciousness unspecified	Diagnosis	ICD-9-CM
852.51	Extradural hemorrhage following injury, with open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
852.52	Extradural hemorrhage following injury, with open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
852.53	Extradural hemorrhage following injury, with open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
852.54	Extradural hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
852.55	Extradural hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
852.56	Extradural hemorrhage following injury, with open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
852.59	Extradural hemorrhage following injury, with open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
853	Other and unspecified intracranial hemorrhage following injury	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
853.0	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound	Diagnosis	ICD-9-CM
853.00	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
853.01	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
853.02	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
853.03	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
853.04	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to preexisting conscious level	Diagnosis	ICD-9-CM
853.05	Other and unspecified intracranial hemorrhage following injury. Without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
853.06	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
853.09	Other and unspecified intracranial hemorrhage following injury, without mention of open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
853.1	Other and unspecified intracranial hemorrhage following injury with open intracranial wound	Diagnosis	ICD-9-CM
853.10	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
853.11	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
853.12	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
853.13	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
853.14	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
853.15	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
853.16	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
853.19	Other and unspecified intracranial hemorrhage following injury, with open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
854	Intracranial injury of other and unspecified nature	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
854.0	Intracranial injury of other and unspecified nature without mention of open intracranial wound	Diagnosis	ICD-9-CM
854.00	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
854.01	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
854.02	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
854.03	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
854.04	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
854.05	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
854.06	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
854.09	Intracranial injury of other and unspecified nature, without mention of open intracranial wound, unspecified concussion	Diagnosis	ICD-9-CM
854.1	Intracranial injury of other and unspecified nature with open intracranial wound	Diagnosis	ICD-9-CM
854.10	Intracranial injury of other and unspecified nature, with open intracranial wound, unspecified state of consciousness	Diagnosis	ICD-9-CM
854.11	Intracranial injury of other and unspecified nature, with open intracranial wound, no loss of consciousness	Diagnosis	ICD-9-CM
854.12	Intracranial injury of other and unspecified nature, with open intracranial wound, brief (less than 1 hour) loss of consciousness	Diagnosis	ICD-9-CM
854.13	Intracranial injury of other and unspecified nature, with open intracranial wound, moderate (1-24 hours) loss of consciousness	Diagnosis	ICD-9-CM
854.14	Intracranial injury of other and unspecified nature, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness and return to pre-existing conscious level	Diagnosis	ICD-9-CM
854.15	Intracranial injury of other and unspecified nature, with open intracranial wound, prolonged (more than 24 hours) loss of consciousness, without return to pre-existing conscious level	Diagnosis	ICD-9-CM
854.16	Intracranial injury of other and unspecified nature, with open intracranial wound, loss of consciousness of unspecified duration	Diagnosis	ICD-9-CM
854.19	Intracranial injury of other and unspecified nature, with open intracranial wound, with unspecified concussion	Diagnosis	ICD-9-CM
959.01	Head injury, unspecified		

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Generic Name Brand Name

sertraline HCl

citalopram hydrobromide

desvenlafaxine

Other Generic Sertraline

Non-Sertraline Antidepressants

Sertraline

Citalopram

Khedezla

amitriptyline HCl Amitriptyline amitriptyline HCl Vanatrip Limbitrol amitriptyline HCI/chlordiazepoxide amitriptyline HCI/chlordiazepoxide Limbitrol DS

amitriptyline HCI/chlordiazepoxide Amitriptyline-Chlordiazepoxide

amoxapine Amoxapine bupropion HBr **Aplenzin** bupropion HCl **Bupropion HCl** bupropion HCI **Budeprion XL** bupropion HCl **Budeprion SR** Wellbutrin SR bupropion HCl Wellbutrin bupropion HCl bupropion HCl Wellbutrin XL bupropion HCl Forfivo XL bupropion HCI/dietary supplement combination no.15 Appbutamone-D bupropion HCI/dietary supplement combination no.16 **Appbutamone**

citalopram hydrobromide Celexa clomipramine HCl Clomipramine clomipramine HCl Anafranil desipramine HCl Norpramin desipramine HCl Desipramine Desvenlafaxine desvenlafaxine

desvenlafaxine fumarate Desvenlafaxine Fumarate

desvenlafaxine succinate Pristig

desvenlafaxine succinate Desvenlafaxine Succinate

doxepin HCl Sinequan doxepin HCl Doxepin doxepin HCl Silenor duloxetine HCl Cymbalta duloxetine HCl Duloxetine duloxetine HCl Irenka

escitalopram oxalate **Escitalopram Oxalate**

escitalopram oxalate Lexapro fluoxetine HCl Prozac Weekly fluoxetine HCl Fluoxetine fluoxetine HCl Selfemra fluoxetine HCl Prozac fluoxetine HCl Sarafem fluoxetine HCl Rapiflux fluoxetine HCI/dietary supplement no.17 Gaboxetine fluoxetine HCI/dietary supplement no.8 Sentroxatine

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Generic Name	Brand Name
fluvoxamine maleate	Fluvoxamine
fluvoxamine maleate	Luvox CR
imipramine HCl	Tofranil
imipramine HCl	Imipramine HCl
imipramine pamoate	Imipramine Pamoate
imipramine pamoate	Tofranil-PM
isocarboxazid	Marplan
levomilnacipran HCl	Fetzima
maprotiline HCl	Maprotiline
mirtazapine	Remeron
mirtazapine	Remeron SolTab
mirtazapine	Mirtazapine
nefazodone HCl	Nefazodone
nefazodone HCl	Serzone
nortriptyline HCl	Pamelor
nortriptyline HCl	Nortriptyline
olanzapine/fluoxetine HCl	Symbyax
olanzapine/fluoxetine HCl	Olanzapine-Fluoxetine
paroxetine HCl	Paxil CR
paroxetine HCl	Paxil
paroxetine HCl	Paroxetine HCl
paroxetine mesylate	Paroxetine Mesylate (menop.sym)
paroxetine mesylate	Pexeva
paroxetine mesylate	Brisdelle
perphenazine/amitriptyline HCl	Perphenazine-Amitriptyline
perphenazine/amitriptyline HCl	Duo-Vil 2-10
perphenazine/amitriptyline HCl	Duo-Vil 2-25
phenelzine sulfate	Nardil
phenelzine sulfate	Phenelzine
protriptyline HCl	Protriptyline
protriptyline HCl	Vivactil
selegiline	Emsam
tranylcypromine sulfate	Parnate
tranylcypromine sulfate	Tranylcypromine
trazodone HCl	Desyrel
trazodone HCl	Trazodone
trazodone HCl	Oleptro ER
trazodone HCI/dietary supplement no.8	Trazamine
trimipramine maleate	Trimipramine
trimipramine maleate	Surmontil
venlafaxine HCl	Effexor
venlafaxine HCl	Effexor XR
venlafaxine HCl	Venlafaxine
vortioxetine hydrobromide	Brintellix
vortioxetine hydrobromide	Trintellix

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Appendix F. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Covariates in this Request

Code	Description	Code Type	Code Category
	Anxiety		
300.02	Generalized anxiety disorder	Diagnosis	ICD-9-CM
300.0	Anxiety states	Diagnosis	ICD-9-CM
300.00	Anxiety state, unspecified	Diagnosis	ICD-9-CM
300.09	Other anxiety states	Diagnosis	ICD-9-CM
300.2	Phobic disorders	Diagnosis	ICD-9-CM
300.20	Phobia, unspecified	Diagnosis	ICD-9-CM
300.22	Agoraphobia without mention of panic attacks	Diagnosis	ICD-9-CM
300.29	Other isolated or specific phobias	Diagnosis	ICD-9-CM
300.01	Panic disorder without agoraphobia	Diagnosis	ICD-9-CM
300.21	Agoraphobia with panic disorder	Diagnosis	ICD-9-CM
300.23	Social phobia	Diagnosis	ICD-9-CM
	Behavioral Disorders		
314	Hyperkinetic syndrome of childhood	Diagnosis	ICD-9-CM
314.0	Attention deficit disorder of childhood	Diagnosis	ICD-9-CM
314.00	Attention deficit disorder without mention of hyperactivity	Diagnosis	ICD-9-CM
314.01	Attention deficit disorder with hyperactivity	Diagnosis	ICD-9-CM
314.1	Hyperkinesis with developmental delay	Diagnosis	ICD-9-CM
314.2	Hyperkinetic conduct disorder	Diagnosis	ICD-9-CM
314.8	Other specified manifestations of hyperkinetic syndrome	Diagnosis	ICD-9-CM
314.9	Unspecified hyperkinetic syndrome	Diagnosis	ICD-9-CM
312	Disturbance of conduct not elsewhere classified	Diagnosis	ICD-9-CM
312.0	Undersocialized conduct disorder aggressive type	Diagnosis	ICD-9-CM
312.00	Undersocialized conduct disorder aggressive type, unspecified	Diagnosis	ICD-9-CM
312.01	Undersocialized conduct disorder aggressive type, mild	Diagnosis	ICD-9-CM
312.02	Undersocialized conduct disorder aggressive type, moderate	Diagnosis	ICD-9-CM
312.03	Undersocialized conduct disorder aggressive, severe	Diagnosis	ICD-9-CM
312.1	Undersocialized conduct disorder unaggressive type	Diagnosis	ICD-9-CM
312.10	Undersocialized conduct disorder unaggressive type, unspecified	Diagnosis	ICD-9-CM
312.11	Undersocialized conduct disorder unaggressive type, mild	Diagnosis	ICD-9-CM
312.12	Undersocialized conduct disorder unaggressive type, moderate	Diagnosis	ICD-9-CM
312.13	Undersocialized conduct disorder unaggressive, severe	Diagnosis	ICD-9-CM
312.2	Socialized conduct disorder	Diagnosis	ICD-9-CM
312.20	Socialized conduct disorder, unspecified	Diagnosis	ICD-9-CM
312.21	Socialized conduct disorder, mild	Diagnosis	ICD-9-CM
312.22	Socialized conduct disorder, moderate	Diagnosis	ICD-9-CM
312.23	Socialized conduct disorder, severe	Diagnosis	ICD-9-CM
312.3	Disorders of impulse control not elsewhere classified	Diagnosis	ICD-9-CM
312.30	Impulse control disorder, unspecified	Diagnosis	ICD-9-CM
312.31	Pathological gambling	Diagnosis	ICD-9-CM
312.32	Kleptomania	Diagnosis	ICD-9-CM
312.33	Pyromania	Diagnosis	ICD-9-CM
312.34	Intermittent explosive disorder	Diagnosis	ICD-9-CM
312.35	Isolated explosive disorder	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
312.39	Other disorders of impulse control	Diagnosis	ICD-9-CM
312.4	Mixed disturbance of conduct and emotions	Diagnosis	ICD-9-CM
312.8	Other specified disturbances of conduct not elsewhere classified	Diagnosis	ICD-9-CM
312.81	Conduct disorder, childhood onset type	Diagnosis	ICD-9-CM
312.82	Conduct disorder, adolescent onset type	Diagnosis	ICD-9-CM
312.89	Other conduct disorder	Diagnosis	ICD-9-CM
312.9	Unspecified disturbance of conduct	Diagnosis	ICD-9-CM
	Other Psychological Disorders		
294	Persistent mental disorders due to conditions classified elsewhere	Diagnosis	ICD-9-CM
294.0	Amnestic disorder in conditions classified elsewhere	Diagnosis	ICD-9-CM
294.1	Dementia in conditions classified elsewhere	Diagnosis	ICD-9-CM
294.10	Dementia in conditions classified elsewhere without behavioral disturbance	Diagnosis	ICD-9-CM
294.11	Dementia in conditions classified elsewhere with behavioral disturbance	Diagnosis	ICD-9-CM
294.2	Dementia, unspecified	Diagnosis	ICD-9-CM
294.20	Dementia, unspecified, without behavioral disturbance	Diagnosis	ICD-9-CM
294.21	Dementia, unspecified, with behavioral disturbance	Diagnosis	ICD-9-CM
294.8	Other persistent mental disorders due to conditions classified elsewhere	Diagnosis	ICD-9-CM
294.9	Unspecified persistent mental disorders due to conditions classified elsewhere	Diagnosis	ICD-9-CM
296.0	Bipolar I disorder, single manic episode	Diagnosis	ICD-9-CM
296.00	Bipolar I disorder, single manic episode, unspecified	Diagnosis	ICD-9-CM
296.01	Bipolar I disorder, single manic episode, mild	Diagnosis	ICD-9-CM
296.02	Bipolar I disorder, single manic episode, moderate	Diagnosis	ICD-9-CM
296.03	Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM
296.04	Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM
296.05	Bipolar I disorder, single manic episode, in partial or unspecified remission	Diagnosis	ICD-9-CM
296.06	Bipolar I disorder, single manic episode, in full remission	Diagnosis	ICD-9-CM
296.1	Manic disorder, recurrent episode	Diagnosis	ICD-9-CM
296.10	Manic disorder, recurrent episode, unspecified	Diagnosis	ICD-9-CM
296.11	Manic disorder, recurrent episode, mild	Diagnosis	ICD-9-CM
296.12	Manic disorder, recurrent episode, moderate	Diagnosis	ICD-9-CM
296.13	Manic disorder, recurrent episode, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM
296.14	Manic disorder, recurrent episode, severe, specified as with psychotic behavior	Diagnosis	ICD-9-CM
296.15	Manic disorder, recurrent episode, in partial or unspecified remission	Diagnosis	ICD-9-CM
296.16	Manic disorder, recurrent episode, in full remission	Diagnosis	ICD-9-CM
296.4	Bipolar I disorder, most recent episode (or current) manic	Diagnosis	ICD-9-CM
296.40	Bipolar I disorder, most recent episode (or current) manic, unspecified	Diagnosis	ICD-9-CM
296.41	Bipolar I disorder, most recent episode (or current) manic, mild	Diagnosis	ICD-9-CM
296.42	Bipolar I disorder, most recent episode (or current) manic, moderate	Diagnosis	ICD-9-CM
296.43	Bipolar I disorder, most recent episode (or current) manic, severe, without mention of psychotic behavior	Diagnosis	ICD-9-CM

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Appendix F. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Covariates in this Request

Code	Description	Code Type	Code Category
296.44	Bipolar I disorder, most recent episode (or current) manic, severe, specified as	Diagnosis	ICD-9-CM
	with psychotic behavior		
296.45	Bipolar I disorder, most recent episode (or current) manic, in partial or	Diagnosis	ICD-9-CM
	unspecified remission		
296.46	Bipolar I disorder, most recent episode (or current) manic, in full remission	Diagnosis	ICD-9-CM
296.5	Bipolar I disorder, most recent episode (or current), depressed	Diagnosis	ICD-9-CM
296.50	Bipolar I disorder, most recent episode (or current) depressed, unspecified	Diagnosis	ICD-9-CM
296.51	Bipolar I disorder, most recent episode (or current) depressed, mild	Diagnosis	ICD-9-CM
296.52	Bipolar I disorder, most recent episode (or current) depressed, moderate	Diagnosis	ICD-9-CM
296.53	Bipolar I disorder, most recent episode (or current) depressed, severe, without	Diagnosis	ICD-9-CM
	mention of psychotic behavior		
296.54	Bipolar I disorder, most recent episode (or current) depressed, severe,	Diagnosis	ICD-9-CM
	specified as with psychotic behavior		
296.55	Bipolar I disorder, most recent episode (or current) depressed, in partial or	Diagnosis	ICD-9-CM
	unspecified remission		
296.56	Bipolar I disorder, most recent episode (or current) depressed, in full remission	Diagnosis	ICD-9-CM
296.6	Bipolar I disorder, most recent episode (or current), mixed	Diagnosis	ICD-9-CM
296.60	Bipolar I disorder, most recent episode (or current) mixed, unspecified	Diagnosis	ICD-9-CM
296.61	Bipolar I disorder, most recent episode (or current) mixed, mild	Diagnosis	ICD-9-CM
296.62	Bipolar I disorder, most recent episode (or current) mixed, moderate	Diagnosis	ICD-9-CM
296.63	Bipolar I disorder, most recent episode (or current) mixed, severe, without	Diagnosis	ICD-9-CM
	mention of psychotic behavior		
296.64	Bipolar I disorder, most recent episode (or current) mixed, severe, specified as	Diagnosis	ICD-9-CM
	with psychotic behavior		
296.65	Bipolar I disorder, most recent episode (or current) mixed, in partial or	Diagnosis	ICD-9-CM
	unspecified remission		
296.66	Bipolar I disorder, most recent episode (or current) mixed, in full remission	Diagnosis	ICD-9-CM
296.7	Bipolar I disorder, most recent episode (or current) unspecified	Diagnosis	ICD-9-CM
296.8	Other and unspecified bipolar disorders	Diagnosis	ICD-9-CM
296.80	Bipolar disorder, unspecified	Diagnosis	ICD-9-CM
296.81	Atypical manic disorder	Diagnosis	ICD-9-CM
296.82	Atypical depressive disorder	Diagnosis	ICD-9-CM
296.89	Other and unspecified bipolar disorders	Diagnosis	ICD-9-CM
296.99	Other specified episodic mood disorder	Diagnosis	ICD-9-CM
300.3	Obsessive-compulsive disorders	Diagnosis	ICD-9-CM
300.1	Dissociative, conversion and factitious disorders	Diagnosis	ICD-9-CM
300.10	Hysteria unspecified	Diagnosis	ICD-9-CM
300.11	conversion disorder	Diagnosis	ICD-9-CM
300.12	Dissociative amnesia	Diagnosis	ICD-9-CM
300.13	Dissociative fugue	Diagnosis	ICD-9-CM
300.14	Dissociative identity disorder	Diagnosis	ICD-9-CM
300.15	Dissociative disorder or reaction, unspecified	Diagnosis	ICD-9-CM
300.16	Factitious disorder with predominantly psychological signs and symptoms	Diagnosis	ICD-9-CM

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Appendix F. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Covariates in this Request

Code	Description	Code Type	Code Category
300.5	Neurasthenia	Diagnosis	ICD-9-CM
300.6	Depersonalization disorder	Diagnosis	ICD-9-CM
300.7	Hypochondriasis	Diagnosis	ICD-9-CM
300.8	Somatoform disorders	Diagnosis	ICD-9-CM
300.81	Somatization disorder	Diagnosis	ICD-9-CM
300.82	Undifferentiated somatoform disorder	Diagnosis	ICD-9-CM
300.89	Other somatoform disorders	Diagnosis	ICD-9-CM
300.9	Unspecified nonpsychotic mental disorder	Diagnosis	ICD-9-CM
302	Sexual and gender identity disorders	Diagnosis	ICD-9-CM
302.0	Ego-dystonic sexual orientation	Diagnosis	ICD-9-CM
302.1	Zoophilia	Diagnosis	ICD-9-CM
302.2	Pedophilia	Diagnosis	ICD-9-CM
302.3	Transvestic fetishism	Diagnosis	ICD-9-CM
302.4	Exhibitionism	Diagnosis	ICD-9-CM
302.5	Trans-sexualism	Diagnosis	ICD-9-CM
302.50	Trans-sexualism with unspecified sexual history	Diagnosis	ICD-9-CM
302.51	Trans-sexualism with asexual history	Diagnosis	ICD-9-CM
302.52	Trans-sexualism with homosexual history	Diagnosis	ICD-9-CM
302.53	Trans-sexualism with heterosexual history	Diagnosis	ICD-9-CM
302.6	Gender identity disorder in children	Diagnosis	ICD-9-CM
302.7	Psychosexual dysfunction	Diagnosis	ICD-9-CM
302.70	Psychosexual dysfunction, unspecified	Diagnosis	ICD-9-CM
302.71	Hypoactive sexual desire disorder	Diagnosis	ICD-9-CM
302.72	Psychosexual dysfunction with inhibited sexual excitement	Diagnosis	ICD-9-CM
302.73	Female orgasmic disorder	Diagnosis	ICD-9-CM
302.74	Male orgasmic disorder	Diagnosis	ICD-9-CM
302.75	Premature ejaculation	Diagnosis	ICD-9-CM
302.76	Dyspareunia, psychogenic	Diagnosis	ICD-9-CM
302.79	Psychosexual dysfunction with other specified psychosexual dsyfunctions	Diagnosis	ICD-9-CM
302.8	Other specified psychosexual disorders	Diagnosis	ICD-9-CM
302.81	Fetishism	Diagnosis	ICD-9-CM
302.82	Voyeurism	Diagnosis	ICD-9-CM
302.83	Sexual masochism	Diagnosis	ICD-9-CM
302.84	Sexual sadism	Diagnosis	ICD-9-CM
302.85	Gender identity disorder in adolescents or adults	Diagnosis	ICD-9-CM
302.89	Other specified psychosexual disorders	Diagnosis	ICD-9-CM
302.9	Unspecified psychosexual disorders	Diagnosis	ICD-9-CM
306	Physiological malfunction arising from mental factors	Diagnosis	ICD-9-CM
306.0	Musculoskeletal malfunction arising from mental factors	Diagnosis	ICD-9-CM
306.1	Respiratory malfunction arising from mental factors	Diagnosis	ICD-9-CM
306.2	Cardiovascular malfunction arising from mental factors	Diagnosis	ICD-9-CM
306.3	Skin disorder arising from mental factors	Diagnosis	ICD-9-CM
306.4	Gastrointerstinal malfunction arising from mental factors	Diagnosis	ICD-9-CM
306.5	Genitourinary malfunction arising from mental factors	Diagnosis	ICD-9-CM

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Appendix F. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Covariates in this Request

Code	Description	Code Type	Code Category
306.50	Psychogenic genitourinary malfunction, unspecified	Diagnosis	ICD-9-CM
306.51	psychogenic vaginismis	Diagnosis	ICD-9-CM
306.52	psychogenic dysmenorrhea	Diagnosis	ICD-9-CM
306.53	psychogenic dysuria	Diagnosis	ICD-9-CM
306.59	Other genitourinary malfunction arising from mental factors	Diagnosis	ICD-9-CM
306.6	Endocrine disorder arising from mental factors	Diagnosis	ICD-9-CM
306.7	Disorder of organs of special sense arising from mental factors	Diagnosis	ICD-9-CM
306.8	Other specified psychophysiological malfunction	Diagnosis	ICD-9-CM
306.9	Unspecified psychophysiological malfunction	Diagnosis	ICD-9-CM
307	Special symptoms or syndromes not elsewhere classified	Diagnosis	ICD-9-CM
307.0	Adult onset fluency disorder	Diagnosis	ICD-9-CM
307.1	Anorexia nervosa	Diagnosis	ICD-9-CM
307.2	Tics	Diagnosis	ICD-9-CM
307.20	Tic disorder, unspecified	Diagnosis	ICD-9-CM
307.21	Transient tic disorder	Diagnosis	ICD-9-CM
307.22	Chronic motor or vocal tic disorder	Diagnosis	ICD-9-CM
307.23	Tourette's disorder	Diagnosis	ICD-9-CM
307.3	Stereotypic movement disorder	Diagnosis	ICD-9-CM
307.5	Other unspecified disorder of eating	Diagnosis	ICD-9-CM
307.50	Eating disorder, unspecified	Diagnosis	ICD-9-CM
307.51	Bulimia nervosa	Diagnosis	ICD-9-CM
307.52	Pica	Diagnosis	ICD-9-CM
307.53	Rumination disorder	Diagnosis	ICD-9-CM
307.54	Psychogenic vomiting	Diagnosis	ICD-9-CM
307.59	Other disorders of eating	Diagnosis	ICD-9-CM
307.6	Enuresis	Diagnosis	ICD-9-CM
307.7	Encopresis	Diagnosis	ICD-9-CM
307.8	pain disorder related to psychological factors	Diagnosis	ICD-9-CM
307.80	psychogenic pain, site unspecified	Diagnosis	ICD-9-CM
307.81	Tension headache	Diagnosis	ICD-9-CM
307.89	Other pain disorders related to psychological factors	Diagnosis	ICD-9-CM
307.9	Other and unspecified special symptoms or syndromes, not elsewhere classified	Diagnosis	ICD-9-CM
308	Acute reaction to stress	Diagnosis	ICD-9-CM
308.0	Predominant disturbance of emotions	Diagnosis	ICD-9-CM
308.1	Predominant disturbance of consciousness	Diagnosis	ICD-9-CM
308.2	Predominant psychomotor disturbance	Diagnosis	ICD-9-CM
308.3	Other acute reactions to stress	Diagnosis	ICD-9-CM
308.4	Mixed disorders as reaction to stress	Diagnosis	ICD-9-CM
308.9	Unspecified acute reaction to stress	Diagnosis	ICD-9-CM
309.2	Adjustment reaction with predominant disturbance of other emotions	Diagnosis	ICD-9-CM
309.21	Separation anxiety disorder	Diagnosis	ICD-9-CM
309.22	Emancipation disorder of adolescence and early adult life	Diagnosis	ICD-9-CM
309.23	Specific academic or work inhibition	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
309.24	Adjustment disorder with anxiety	Diagnosis	ICD-9-CM
309.28	Adjustment disorder with mixed anxiety and depressed mo	Diagnosis	ICD-9-CM
309.29	Other adjustment reactions with predominant disturbance of other emotions	Diagnosis	ICD-9-CM
309.3	Adjustment disorder with disturbance of conduct	Diagnosis	ICD-9-CM
309.4	Adjustment disorder with mixed disturbance of emotions and conduct	Diagnosis	ICD-9-CM
309.8	Other specified adjustment reactions	Diagnosis	ICD-9-CM
309.81	Posttraumatic stress disorder	Diagnosis	ICD-9-CM
309.82	Adjustment reaction with physical symptoms	Diagnosis	ICD-9-CM
309.83	Adjustment reaction with withdrawal	Diagnosis	ICD-9-CM
309.89	Other specified adjustment reactions	Diagnosis	ICD-9-CM
309.9	Unspecified adjustment reaction	Diagnosis	ICD-9-CM
310	Specific nonpsychotic mental disorders due to brain damage	Diagnosis	ICD-9-CM
310.0	Frontal lobe syndrome	Diagnosis	ICD-9-CM
310.1	Personality change due to conditions classified elsewhere	Diagnosis	ICD-9-CM
310.2	Postconcussion syndrome	Diagnosis	ICD-9-CM
310.8	Other specified nonpsychotic mental disorders following organic brain damage	Diagnosis	ICD-9-CM
310.81	Pseudobulbar affect	Diagnosis	ICD-9-CM
310.89	Other specified nonpsychotic mental disorders following organic brain damage	Diagnosis	ICD-9-CM
310.9	Unspecified nonpsychotic mental disorder following organic brain damage	Diagnosis	ICD-9-CM
313	Disturbance of emotions specific to childhood and adolescence	Diagnosis	ICD-9-CM
313.0	Overanxious disorder specific to childhood and adolescence	Diagnosis	ICD-9-CM
313.1	Misery and unhappiness disorder specific to childhood and adolescence	Diagnosis	ICD-9-CM
313.2	Sensitivity shyness and social withdrawal disorder specific to childhood and	Diagnosis	ICD-9-CM
	adolescence		
313.21	Shyness disorder of childhood	Diagnosis	ICD-9-CM
313.22	Introverted disorder of childhood	Diagnosis	ICD-9-CM
313.23	Slective mutism	Diagnosis	ICD-9-CM
313.3	Relationship problems specific to childhood and adolescence	Diagnosis	ICD-9-CM
313.8	Other or mixed emotional disturbances of childhood or adolescence	Diagnosis	ICD-9-CM
313.81	Oppositional defiant disorder	Diagnosis	ICD-9-CM
313.82	Identity disorder of childhood or adolescence	Diagnosis	ICD-9-CM
313.83	Academic underachievement disorder of childhood or adolescence	Diagnosis	ICD-9-CM
313.89	Other emotional disturbances of childhood or adolescence	Diagnosis	ICD-9-CM
313.9	Unspecified emotional disturbance of childhood or adolescence	Diagnosis	ICD-9-CM
315	Specific delays in development	Diagnosis	ICD-9-CM
315.0	Developmental reading disorder	Diagnosis	ICD-9-CM
315.00	Developmental reading disorder, unspecified	Diagnosis	ICD-9-CM
315.01	Alexia	Diagnosis	ICD-9-CM
315.02	Developmental dyslexia	Diagnosis	ICD-9-CM
315.09	Other specific developmental reading disorder	Diagnosis	ICD-9-CM
315.1	Mathematics disorder	Diagnosis	ICD-9-CM
315.2	Other specific developmental learning difficulties	Diagnosis	ICD-9-CM
315.3	Developmental speech or language disorder	Diagnosis	ICD-9-CM
		Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
315.32	Mixed receptive-expressive language disorder	Diagnosis	ICD-9-CM
315.34	Speech and language developmental delay due to hearing loss	Diagnosis	ICD-9-CM
315.35	Childhood onset fluency disorder	Diagnosis	ICD-9-CM
315.39	Other developmental speech or language disorder	Diagnosis	ICD-9-CM
315.4	Developmental coordination disorder	Diagnosis	ICD-9-CM
315.5	Mixed development disorder	Diagnosis	ICD-9-CM
315.8	Other specified delays in development	Diagnosis	ICD-9-CM
315.9	Unspecified delay in development	Diagnosis	ICD-9-CM
316	Psychic factors associated with diseases classified elsewhere	Diagnosis	ICD-9-CM
301	Personality disorders	Diagnosis	ICD-9-CM
301.0	Paranoid personality disorder	Diagnosis	ICD-9-CM
301.1	Affective personality disorder	Diagnosis	ICD-9-CM
301.10	Affective personality disorder, unspecified	Diagnosis	ICD-9-CM
301.11	Chronic hypomanic personality disorder	Diagnosis	ICD-9-CM
301.12	Chronic depressive personality disorder	Diagnosis	ICD-9-CM
301.13	Cyclothymic disorder	Diagnosis	ICD-9-CM
301.2	Schizoid personality disorder	Diagnosis	ICD-9-CM
301.20	Schizoid personality disorder, unspecified	Diagnosis	ICD-9-CM
301.21	Introverted personality	Diagnosis	ICD-9-CM
301.22	Schizotypal personality disorder	Diagnosis	ICD-9-CM
301.3	Explosive personality disorder	Diagnosis	ICD-9-CM
301.4	Obsessive-compulsive personality disorder	Diagnosis	ICD-9-CM
301.5	Histrionic personality disorder	Diagnosis	ICD-9-CM
301.50	Histrionic personality disorder, unspecified	Diagnosis	ICD-9-CM
301.51	Chronic factitious illness with physical symptoms	Diagnosis	ICD-9-CM
301.59	Other histrionic personality disorder	Diagnosis	ICD-9-CM
301.6	Dependent personality disorder	Diagnosis	ICD-9-CM
301.7	Antisocial personality disorder	Diagnosis	ICD-9-CM
301.8	Other personality disorders	Diagnosis	ICD-9-CM
301.81	Narcissistic personality disorder	Diagnosis	ICD-9-CM
301.82	Avoidant personality disorder	Diagnosis	ICD-9-CM
301.83	Borderline personality disorder	Diagnosis	ICD-9-CM
301.84	Passive-aggressive personality	Diagnosis	ICD-9-CM
301.89	Other personality disorders	Diagnosis	ICD-9-CM
301.9	Unspecified personality disorder	Diagnosis	ICD-9-CM
299	Pervasive developmental disorders	Diagnosis	ICD-9-CM
299.0	Autistic disorder	Diagnosis	ICD-9-CM
299.00	Autistic disorder, current or active state	Diagnosis	ICD-9-CM
299.01	Autistic disorder, residual state	Diagnosis	ICD-9-CM
299.1	Childhood disintegrative disorder	Diagnosis	ICD-9-CM
299.10	Childhood disintegrative disorder, current or active state	Diagnosis	ICD-9-CM
299.11	Childhood disintegrative disorder, residual state	Diagnosis	ICD-9-CM
299.8	Other specified pervasive developmental disorders	Diagnosis	ICD-9-CM
299.80	Other specified pervasive developmental disorders, current or active state	Diagnosis	ICD-9-CM

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Code	Description	Code Type	Code Category
299.81	Other specified pervasive developmental disorders, residual state	Diagnosis	ICD-9-CM
299.9	Unspecified pervasive developmental disorder	Diagnosis	ICD-9-CM
299.90	Unspecified pervasive developmental disorder, current or active state	Diagnosis	ICD-9-CM
299.91	Unspecified pervasive developmental disorder, residual state	Diagnosis	ICD-9-CM
309.81	Posttraumatic stress disorder	Diagnosis	ICD-9-CM
625.4	Premenstrual tension syndromes	Diagnosis	ICD-9-CM
290.8	Other specified senile psychotic conditions	Diagnosis	ICD-9-CM
290.9	Unspecified senile psychotic condition	Diagnosis	ICD-9-CM
297	Delusional disorders	Diagnosis	ICD-9-CM
297.0	Paranoid state, simple	Diagnosis	ICD-9-CM
297.1	Delusional disorders	Diagnosis	ICD-9-CM
297.2	Paraphrenia	Diagnosis	ICD-9-CM
297.3	Shared psychotic disorder	Diagnosis	ICD-9-CM
297.8	Other specified paranoid states	Diagnosis	ICD-9-CM
297.9	Unspecified paranoid state	Diagnosis	ICD-9-CM
298	Other nonorganic psychosis	Diagnosis	ICD-9-CM
298.0	Depressive type psychosis	Diagnosis	ICD-9-CM
298.1	Excitative type psychosis	Diagnosis	ICD-9-CM
298.2	Reactive confusion	Diagnosis	ICD-9-CM
298.3	Acute paranoid reaction	Diagnosis	ICD-9-CM
298.4	Psychogenic paranoid psychosis	Diagnosis	ICD-9-CM
298.8	Other and unspecified reactive psychosis	Diagnosis	ICD-9-CM
298.9	Unspecified psychosis	Diagnosis	ICD-9-CM
295	Schizophrenic disorders	Diagnosis	ICD-9-CM
295.0	Simple type schizophrenia	Diagnosis	ICD-9-CM
295.00	Simple schizophrenia, unspecified condition	Diagnosis	ICD-9-CM
295.01	Simple schizophrenia, subchronic condition	Diagnosis	ICD-9-CM
295.02	Simple schizophrenia, chronic condition	Diagnosis	ICD-9-CM
295.03	Simple schizophrenia, subchronic condition with acute exacerbation	Diagnosis	ICD-9-CM
295.04	Simple schizophrenia, chronic condition with acute exacerbation	Diagnosis	ICD-9-CM
295.05	Simple schizophrenia, in remission	Diagnosis	ICD-9-CM
295.1	Disorganized type schizophrenia	Diagnosis	ICD-9-CM
295.10	Disorganized schizophrenia, unspecified condition	Diagnosis	ICD-9-CM
295.11	Disorganized schizophrenia, subchronic condition	Diagnosis	ICD-9-CM
295.12	Disorganized schizophrenia, chronic condition	Diagnosis	ICD-9-CM
295.13	Disorganized schizophrenia, subchronic condition with acute exacerbation	Diagnosis	ICD-9-CM
295.14	Disorganized schizophrenia, chronic condition with acute exacerbation	Diagnosis	ICD-9-CM
295.15	Disorganized schizophrenia, in remission	Diagnosis	ICD-9-CM
295.2	Catatonic type schizophrenia	Diagnosis	ICD-9-CM
295.20	Catatonic schizophrenia, unspecified condition	Diagnosis	ICD-9-CM
295.21	Catatonic schizophrenia, subchronic condition	Diagnosis	ICD-9-CM
295.22	Catatonic schizophrenia, chronic condition	Diagnosis	ICD-9-CM
295.23	Catatonic schizophrenia, subchronic condition with acute exacerbation	Diagnosis	ICD-9-CM
295.24	Catatonic schizophrenia, chronic condition with acute exacerbation	Diagnosis	ICD-9-CM

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Appendix F. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Covariates in this Request

Code	Description	Code Type	Code Category
295.25	Catatonic schizophrenia, in remission	Diagnosis	ICD-9-CM
295.3	Paranoid type schizophrenia	Diagnosis	ICD-9-CM
295.30	Paranoid schizophrenia, unspecified condition	Diagnosis	ICD-9-CM
295.31	Paranoid schizophrenia, subchronic condition	Diagnosis	ICD-9-CM
295.32	Paranoid schizophrenia, chronic condition	Diagnosis	ICD-9-CM
295.33	Paranoid schizophrenia, subchronic condition with acute exacerbation	Diagnosis	ICD-9-CM
295.34	Paranoid schizophrenia, chronic condition with acute exacerbation	Diagnosis	ICD-9-CM
295.35	Paranoid schizophrenia, in remission	Diagnosis	ICD-9-CM
295.4	Schizophreniform disorder	Diagnosis	ICD-9-CM
295.40	Schizophreniform disorder, unspecified	Diagnosis	ICD-9-CM
295.41	Schizophreniform disorder, subchronic	Diagnosis	ICD-9-CM
295.42	Schizophreniform disorder, chronic	Diagnosis	ICD-9-CM
295.43	Schizophreniform disorder, subchronic with acute exacerbation	Diagnosis	ICD-9-CM
295.44	Schizophreniform disorder, chronic with acute exacerbation	Diagnosis	ICD-9-CM
295.45	Schizophreniform disorder, in remission	Diagnosis	ICD-9-CM
295.5	Latent schizophrenia	Diagnosis	ICD-9-CM
295.50	Latent schizophrenia, unspecified condition	Diagnosis	ICD-9-CM
295.51	Latent schizophrenia, subchronic condition	Diagnosis	ICD-9-CM
295.52	Latent schizophrenia, chronic condition	Diagnosis	ICD-9-CM
295.53	Latent schizophrenia, subchronic condition with acute exacerbation	Diagnosis	ICD-9-CM
295.54	Latent schizophrenia, chronic condition with acute exacerbation	Diagnosis	ICD-9-CM
295.55	Latent schizophrenia, in remission	Diagnosis	ICD-9-CM
295.6	Schizophrenic disorders, residual type	Diagnosis	ICD-9-CM
295.60	Schizophrenic disorders, residual type, unspecified	Diagnosis	ICD-9-CM
295.61	Schizophrenic disorders, residual type, subchronic	Diagnosis	ICD-9-CM
295.62	Schizophrenic disorders, residual type, chronic	Diagnosis	ICD-9-CM
295.63	Schizophrenic disorders, residual type, subchronic with acute exacerbation	Diagnosis	ICD-9-CM
295.64	Schizophrenic disorders, residual type, chronic with acute exacerbation	Diagnosis	ICD-9-CM
295.65	Schizophrenic disorders, residual type, in remission	Diagnosis	ICD-9-CM
295.7	Schizoaffective disorder	Diagnosis	ICD-9-CM
295.70	Schizoaffective disorder, unspecified	Diagnosis	ICD-9-CM
295.71	Schizoaffective disorder, subchronic	Diagnosis	ICD-9-CM
295.72	Schizoaffective disorder, chronic	Diagnosis	ICD-9-CM
295.73	Schizoaffective disorder, subchronic with acute exacerbation	Diagnosis	ICD-9-CM
295.74	Schizoaffective disorder, chronic with acute exacerbation	Diagnosis	ICD-9-CM
295.75	Schizoaffective disorder, in remission	Diagnosis	ICD-9-CM
295.8	Other specified types of schizophrenia	Diagnosis	ICD-9-CM
295.80	Other specified types of schizophrenia, unspecified condition	Diagnosis	ICD-9-CM
295.81	Other specified types of schizophrenia, subchronic condition	Diagnosis	ICD-9-CM
295.82	Other specified types of schizophrenia, chronic condition	Diagnosis	ICD-9-CM
295.83	Other specified types of schizophrenia, subchronic condition with acute	Diagnosis	ICD-9-CM
	exacerbation	Č	
295.84	Other specified types of schizophrenia, chronic condition with acute exacerbation	Diagnosis	ICD-9-CM

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Appendix F. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Covariates in this Request

Code	Description	Code Type	Code Category
295.85	Other specified types of schizophrenia, in remission	Diagnosis	ICD-9-CM
295.9	Unspecified schizophrenia	Diagnosis	ICD-9-CM
295.90	Unspecified schizophrenia, unspecified condition	Diagnosis	ICD-9-CM
295.91	Unspecified schizophrenia, subchronic condition	Diagnosis	ICD-9-CM
295.92	Unspecified schizophrenia, chronic condition	Diagnosis	ICD-9-CM
295.93	Unspecified schizophrenia, subchronic condition with acute exacerbation	Diagnosis	ICD-9-CM
295.94	Unspecified schizophrenia, chronic condition with acute exacerbation	Diagnosis	ICD-9-CM
295.95	Unspecified schizophrenia, in remission	Diagnosis	ICD-9-CM
	Sleep Disorder		
307.4	Specific disorders of sleep of nonorganic origin	Diagnosis	ICD-9-CM
307.40	Nonorganic sleep disorder, unspecified	Diagnosis	ICD-9-CM
307.41	Transient disorder of initiating or maintaining sleep	Diagnosis	ICD-9-CM
307.42	Persistent disorder of initiating or maintaining sleep	Diagnosis	ICD-9-CM
307.43	Transient disorder of initiating or maintaining wakefulness	Diagnosis	ICD-9-CM
307.44	Persistent disorder of initiating or maintaining wakefulness	Diagnosis	ICD-9-CM
307.45	Circadian rhythm sleep disorder of nonorganic origin	Diagnosis	ICD-9-CM
307.46	Sleep arousal disorder	Diagnosis	ICD-9-CM
307.47	Other dysfunctions of sleep stages or arousal from sleep	Diagnosis	ICD-9-CM
307.48	Repetitive intrusions of sleep	Diagnosis	ICD-9-CM
307.49	Other specific disorders of sleep of nonorganic origin	Diagnosis	ICD-9-CM
347	Cataplexy and narcolepsy	Diagnosis	ICD-9-CM
347.0	Narcolepsy	Diagnosis	ICD-9-CM
347.00	Narcolepsy, without cataplexy	Diagnosis	ICD-9-CM
347.01	Narcolepsy, with cataplexy	Diagnosis	ICD-9-CM
347.1	Narcolepsy in conditions classified elsewhere	Diagnosis	ICD-9-CM
347.10	Narcolepsy in conditions classified elsewhere, without cataplexy	Diagnosis	ICD-9-CM
347.11	Narcolepsy in conditions classified elsewhere, with cataplexy	Diagnosis	ICD-9-CM
780.5	Sleep disturbances	Diagnosis	ICD-9-CM
780.50	Sleep disturbances, unspecified	Diagnosis	ICD-9-CM
780.51	Insomnia with sleep apnea, unspecified	Diagnosis	ICD-9-CM
780.52	Insomnia, unspecified	Diagnosis	ICD-9-CM
780.53	Hypersomnia, with sleep apnea, unspecified	Diagnosis	ICD-9-CM
780.54	Hypersomnia, unspecified	Diagnosis	ICD-9-CM
780.55	Disruption of 24 hour sleep wake cycle, unspecified	Diagnosis	ICD-9-CM
780.56	Dysfunctions associated with sleep stages or arousal from sleep	Diagnosis	ICD-9-CM
780.57	Unspecified sleep apnea	Diagnosis	ICD-9-CM
780.58	Sleep related movement disorder, unspecified	Diagnosis	ICD-9-CM
780.59	Other sleep disturbances	Diagnosis	ICD-9-CM
	Substance Abuse Disorders		
291.0	Alcohol withdrawal delirium	Diagnosis	ICD-9-CM
291.1	Alcohol-induced persisting amnestic disorder	Diagnosis	ICD-9-CM
291.2	Alcohol-induced persisting dementia	Diagnosis	ICD-9-CM
291.3	Alcohol-induced psychotic disorder with hallucinations	Diagnosis	ICD-9-CM
291.4	Idiosyncratic alcohol intoxication	Diagnosis	ICD-9-CM

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Appendix F. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Covariates in this Request

Code	Description	Code Type	Code Category
291.5	Alcohol-induced psychotic disorder with delusions	Diagnosis	ICD-9-CM
291.8	Other specified alcohol-induced mental disorders	Diagnosis	ICD-9-CM
291.81	Alcohol withdrawal	Diagnosis	ICD-9-CM
291.82	Alcohol induced sleep disorders	Diagnosis	ICD-9-CM
291.89	Other specified alcohol-induced mental disorders	Diagnosis	ICD-9-CM
291.9	Unspecified alcohol-induced mental disorders	Diagnosis	ICD-9-CM
292.0	Drug withdrawal	Diagnosis	ICD-9-CM
292.1	Drug-induced psychotic disorder	Diagnosis	ICD-9-CM
292.11	Drug-induced psychotic disorder with delusions	Diagnosis	ICD-9-CM
292.12	Drug-induced psychotic disorder with hallucinations	Diagnosis	ICD-9-CM
292.2	Pathological drug intoxication	Diagnosis	ICD-9-CM
292.8	Other specified drug-induced mental disorders	Diagnosis	ICD-9-CM
292.89	Other specified drug-induced mental disorder	Diagnosis	ICD-9-CM
292.9	Unspecified drug-induced mental disorder	Diagnosis	ICD-9-CM
303.0	Acute alcoholic intoxication	Diagnosis	ICD-9-CM
303.00	Acute alcoholic intoxication, unspecified	Diagnosis	ICD-9-CM
303.01	Acute alcoholic intoxication, continuous	Diagnosis	ICD-9-CM
303.02	Acute alcoholic intoxication, episodic	Diagnosis	ICD-9-CM
303.03	Acute alcoholic intoxication, in remission	Diagnosis	ICD-9-CM
303.9	Other and unspecified alcohol dependence	Diagnosis	ICD-9-CM
303.90	Other and unspecified alcohol dependence, unspecified	Diagnosis	ICD-9-CM
303.91	Other and unspecified alcohol dependence, continuous	Diagnosis	ICD-9-CM
303.92	Other and unspecified alcohol dependence, episodic	Diagnosis	ICD-9-CM
303.93	Other and unspecified alcohol dependence, in remission	Diagnosis	ICD-9-CM
304.0	Opioid type dependence	Diagnosis	ICD-9-CM
304.00	Opioid type dependence, unspecified	Diagnosis	ICD-9-CM
304.01	Opioid type dependence, continuous	Diagnosis	ICD-9-CM
304.02	Opioid type dependence, episodic	Diagnosis	ICD-9-CM
304.03	Opioid type dependence, in remission	Diagnosis	ICD-9-CM
304.1	Sedative, hypnotic or anxiolytic dependence	Diagnosis	ICD-9-CM
304.10	Sedative, hypnotic or anxiolytic dependence, unspecified	Diagnosis	ICD-9-CM
304.11	Sedative, hypnotic or anxiolytic dependence, continuous	Diagnosis	ICD-9-CM
304.12	Sedative, hypnotic or anxiolytic dependence, episodic	Diagnosis	ICD-9-CM
304.13	Sedative, hypnotic or anxiolytic dependence, in remission	Diagnosis	ICD-9-CM
304.2	Cocaine dependence	Diagnosis	ICD-9-CM
304.20	Cocaine dependence, unspecified	Diagnosis	ICD-9-CM
304.21	Cocaine dependence, continuous	Diagnosis	ICD-9-CM
304.22	Cocaine dependence, episodic	Diagnosis	ICD-9-CM
304.23	Cocaine dependence, in remission	Diagnosis	ICD-9-CM
304.3	Cannabis dependence	Diagnosis	ICD-9-CM
304.30	Cannabis dependence, unspecified	Diagnosis	ICD-9-CM
304.31	Cannabis dependence, continuous	Diagnosis	ICD-9-CM
304.32	Cannabis dependence, episodic	Diagnosis	ICD-9-CM
304.33	Cannabis dependence, in remission	Diagnosis	ICD-9-CM

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Appendix F. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Covariates in this Request

Code	Description	Code Type	Code Category
304.4	Amphetamine and other psychostimulant dependence	Diagnosis	ICD-9-CM
304.40	Amphetamine and other psychostimulant dependence, unspecified	Diagnosis	ICD-9-CM
304.41	Amphetamine and other psychostimulant dependence, continuous	Diagnosis	ICD-9-CM
304.42	Amphetamine and other psychostimulant dependence, episodic	Diagnosis	ICD-9-CM
304.43	Amphetamine and other psychostimulant dependence, in remission	Diagnosis	ICD-9-CM
304.5	Hallucinogen dependence	Diagnosis	ICD-9-CM
304.50	Hallucinogen dependence, unspecified	Diagnosis	ICD-9-CM
304.51	Hallucinogen dependence, continuous	Diagnosis	ICD-9-CM
304.52	Hallucinogen dependence, episodic	Diagnosis	ICD-9-CM
304.53	Hallucinogen dependence, in remission	Diagnosis	ICD-9-CM
304.6	Other specified drug dependence	Diagnosis	ICD-9-CM
304.60	Other specified drug dependence, unspecified	Diagnosis	ICD-9-CM
304.61	Other specified drug dependence, continuous	Diagnosis	ICD-9-CM
304.62	Other specified drug dependence, episodic	Diagnosis	ICD-9-CM
304.63	Other specified drug dependence, in remission	Diagnosis	ICD-9-CM
304.7	Combinations of opioid type drug with any other drug dependence	Diagnosis	ICD-9-CM
304.70	Combinations of opioid type drug with any other drug dependence, unspecified	Diagnosis	ICD-9-CM
304.71	Combinations of opioid type drug with any other drug dependence, continuous	Diagnosis	ICD-9-CM
304.72	Combinations of opioid type drug with any other drug dependence, episodic	Diagnosis	ICD-9-CM
304.73	Combinations of opioid type drug with any other drug dependence, in remission	Diagnosis	ICD-9-CM
304.8	Combinations of drug dependence excluding opioid type drug	Diagnosis	ICD-9-CM
304.80	Combinations of drug dependence excluding opioid type drug, unspecified	Diagnosis	ICD-9-CM
304.81	Combinations of drug dependence excluding opioid type drug, continuous	Diagnosis	ICD-9-CM
304.82	Combinations of drug dependence excluding opioid type drug, episodic	Diagnosis	ICD-9-CM
304.83	Combinations of drug dependence excluding opioid type drug, in remission	Diagnosis	ICD-9-CM
304.9	Unspecified drug dependence	Diagnosis	ICD-9-CM
304.90	Unspecified drug dependence, unspecified	Diagnosis	ICD-9-CM
304.91	Unspecified drug dependence, continuous	Diagnosis	ICD-9-CM
304.92	Unspecified drug dependence, episodic	Diagnosis	ICD-9-CM
304.93	Unspecified drug dependence, in remission	Diagnosis	ICD-9-CM
305.0	Nondependent alcohol abuse	Diagnosis	ICD-9-CM
305.00	Nondependent alcohol abuse, unspecified	Diagnosis	ICD-9-CM
305.01	Nondependent alcohol abuse, continuous	Diagnosis	ICD-9-CM
305.02	Nondependent alcohol abuse, episodic	Diagnosis	ICD-9-CM
305.03	Nondependent alcohol abuse, in remission	Diagnosis	ICD-9-CM
305.2	Nondependent cannabis abuse	Diagnosis	ICD-9-CM
305.20	Nondependent cannabis abuse, unspecified	Diagnosis	ICD-9-CM
305.21	Nondependent cannabis abuse, continuous	Diagnosis	ICD-9-CM
305.22	Nondependent cannabis abuse, episodic	Diagnosis	ICD-9-CM
305.22	Nondependent cannabis abuse, episodic Nondependent cannabis abuse, in remission	Diagnosis	ICD-9-CM
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Appendix F. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Covariates in this Request

305.30 Nondependent hallucinogen abuse, unspecified Diagnosis ICD-9-CM	Code	Description	Code Type	Code Category
305.32 Nondependent hallucinogen abuse, episodic Diagnosis ICD-9-CM 305.33 Nondependent hallucinogen abuse, in remission Diagnosis ICD-9-CM 305.40 Nondependent sedative, hypnotic or anxiolytic abuse, unspecified Diagnosis ICD-9-CM 305.41 Nondependent sedative, hypnotic or anxiolytic abuse, continuous Diagnosis ICD-9-CM 305.42 Nondependent sedative, hypnotic or anxiolytic abuse, episodic Diagnosis ICD-9-CM 305.43 Nondependent sedative, hypnotic or anxiolytic abuse, episodic Diagnosis ICD-9-CM 305.43 Nondependent opioid abuse Diagnosis ICD-9-CM 305.50 Nondependent opioid abuse, unspecified Diagnosis ICD-9-CM 305.51 Nondependent opioid abuse, unspecified Diagnosis ICD-9-CM 305.52 Nondependent opioid abuse, pisodic Diagnosis ICD-9-CM 305.53 Nondependent cocaine abuse, pisodic Diagnosis ICD-9-CM 305.60 Nondependent cocaine abuse, unspecified Diagnosis ICD-9-CM 305.61 Nondependent cocaine abuse, in remission Diagnosis IC	305.30	Nondependent hallucinogen abuse, unspecified	Diagnosis	ICD-9-CM
305.33 Nondependent hallucinogen abuse, in remission Diagnosis ICD-9-CM 305.40 Nondependent sedative, hypnotic or anxiolytic abuse, unspecified Diagnosis ICD-9-CM 305.41 Nondependent sedative, hypnotic or anxiolytic abuse, unspecified Diagnosis ICD-9-CM 305.42 Nondependent sedative, hypnotic or anxiolytic abuse, episodic Diagnosis ICD-9-CM 305.43 Nondependent sedative, hypnotic or anxiolytic abuse, episodic Diagnosis ICD-9-CM 305.50 Nondependent opioid abuse Diagnosis ICD-9-CM 305.50 Nondependent opioid abuse, unspecified Diagnosis ICD-9-CM 305.51 Nondependent opioid abuse, continuous Diagnosis ICD-9-CM 305.52 Nondependent opioid abuse, in remission Diagnosis ICD-9-CM 305.53 Nondependent opioid abuse, in remission Diagnosis ICD-9-CM 305.54 Nondependent opioid abuse, in remission Diagnosis ICD-9-CM 305.55 Nondependent occaine abuse, unspecified Diagnosis ICD-9-CM 305.61 Nondependent occaine abuse, unspecified Diagnosis	305.31	Nondependent hallucinogen abuse, continuous	Diagnosis	ICD-9-CM
305.4 Nondependent sedative, hypnotic or anxiolytic abuse Diagnosis ICD-9-CM 305.40 Nondependent sedative, hypnotic or anxiolytic abuse, unspecified Diagnosis ICD-9-CM 305.41 Nondependent sedative, hypnotic or anxiolytic abuse, continuous Diagnosis ICD-9-CM 305.42 Nondependent sedative, hypnotic or anxiolytic abuse, episodic Diagnosis ICD-9-CM 305.43 Nondependent opioid abuse Diagnosis ICD-9-CM 305.50 Nondependent opioid abuse Diagnosis ICD-9-CM 305.51 Nondependent opioid abuse, unspecified Diagnosis ICD-9-CM 305.52 Nondependent opioid abuse, in remission Diagnosis ICD-9-CM 305.53 Nondependent opioid abuse, in remission Diagnosis ICD-9-CM 305.50 Nondependent occaine abuse, in remission Diagnosis ICD-9-CM 305.61 Nondependent cocaine abuse, unspecified Diagnosis ICD-9-CM 305.62 Nondependent cocaine abuse, episodic Diagnosis ICD-9-CM 305.73 Nondependent amphetamine or related acting sympathomimetic abuse, unspecified Diagnosis	305.32	Nondependent hallucinogen abuse, episodic	Diagnosis	ICD-9-CM
305.40 Nondependent sedative, hypnotic or anxiolytic abuse, unspecified Diagnosis ICD-9-CM 305.41 Nondependent sedative, hypnotic or anxiolytic abuse, continuous Diagnosis ICD-9-CM 305.42 Nondependent sedative, hypnotic or anxiolytic abuse, episodic Diagnosis ICD-9-CM 305.51 Nondependent opioid abuse, unspecified Diagnosis ICD-9-CM 305.52 Nondependent opioid abuse, continuous Diagnosis ICD-9-CM 305.53 Nondependent opioid abuse, continuous Diagnosis ICD-9-CM 305.54 Nondependent opioid abuse, continuous Diagnosis ICD-9-CM 305.55 Nondependent opioid abuse, continuous Diagnosis ICD-9-CM 305.52 Nondependent opioid abuse, episodic Diagnosis ICD-9-CM 305.63 Nondependent cocaine abuse, unspecified Diagnosis ICD-9-CM 305.60 Nondependent cocaine abuse, episodic Diagnosis ICD-9-CM 305.61 Nondependent amphetamine or related acting sympathomimetic abuse, unspecified Diagnosis ICD-9-CM 305.72 Nondependent amphetamine or related acting sympathomimetic abuse, epis	305.33	Nondependent hallucinogen abuse, in remission	Diagnosis	ICD-9-CM
305.41 Nondependent sedative, hypnotic or anxiolytic abuse, continuous Diagnosis ICD-9-CM 305.42 Nondependent sedative, hypnotic or anxiolytic abuse, episodic Diagnosis ICD-9-CM 305.43 Nondependent opioid abuse Diagnosis ICD-9-CM 305.50 Nondependent opioid abuse, unspecified Diagnosis ICD-9-CM 305.51 Nondependent opioid abuse, continuous Diagnosis ICD-9-CM 305.52 Nondependent opioid abuse, episodic Diagnosis ICD-9-CM 305.53 Nondependent opioid abuse, in remission Diagnosis ICD-9-CM 305.60 Nondependent cocaine abuse Diagnosis ICD-9-CM 305.61 Nondependent cocaine abuse, unspecified Diagnosis ICD-9-CM 305.62 Nondependent cocaine abuse, episodic Diagnosis ICD-9-CM 305.63 Nondependent cocaine abuse, episodic Diagnosis ICD-9-CM 305.64 Nondependent appletamine or related acting sympathomimetic abuse, piagnosis ICD-9-CM 305.70 Nondependent amphetamine or related acting sympathomimetic abuse, piagnosis ICD-9-CM 305.71 Nondependent amphetamine or related acting sympathomimetic abuse, piagnosis	305.4	Nondependent sedative, hypnotic or anxiolytic abuse	Diagnosis	ICD-9-CM
305.42 Nondependent sedative, hypnotic or anxiolytic abuse, episodic Diagnosis ICD-9-CM 305.43 Nondependent sedative, hypnotic or anxiolytic abuse, in remission Diagnosis ICD-9-CM 305.50 Nondependent opioid abuse Diagnosis ICD-9-CM 305.51 Nondependent opioid abuse, unspecified Diagnosis ICD-9-CM 305.52 Nondependent opioid abuse, episodic Diagnosis ICD-9-CM 305.53 Nondependent opioid abuse, in remission Diagnosis ICD-9-CM 305.60 Nondependent cocaine abuse Diagnosis ICD-9-CM 305.61 Nondependent cocaine abuse, unspecified Diagnosis ICD-9-CM 305.62 Nondependent cocaine abuse, continuous Diagnosis ICD-9-CM 305.63 Nondependent cocaine abuse, episodic Diagnosis ICD-9-CM 305.63 Nondependent accaine abuse, episodic Diagnosis ICD-9-CM 305.70 Nondependent amphetamine or related acting sympathomimetic abuse, unspecified Diagnosis ICD-9-CM 305.71 Nondependent amphetamine or related acting sympathomimetic abuse, in remission Diagnosis ICD-9-CM 305.72 Nondependent amphetami	305.40	Nondependent sedative, hypnotic or anxiolytic abuse, unspecified	Diagnosis	ICD-9-CM
305.43 Nondependent sedative, hypnotic or anxiolytic abuse, in remission Diagnosis ICD-9-CM 305.5 Nondependent opioid abuse Diagnosis ICD-9-CM 305.50 Nondependent opioid abuse, unspecified Diagnosis ICD-9-CM 305.51 Nondependent opioid abuse, continuous Diagnosis ICD-9-CM 305.52 Nondependent opioid abuse, episodic Diagnosis ICD-9-CM 305.53 Nondependent opioid abuse, in remission Diagnosis ICD-9-CM 305.60 Nondependent cocaine abuse Diagnosis ICD-9-CM 305.61 Nondependent cocaine abuse, uspecified Diagnosis ICD-9-CM 305.62 Nondependent cocaine abuse, episodic Diagnosis ICD-9-CM 305.63 Nondependent cocaine abuse, in remission Diagnosis ICD-9-CM 305.70 Nondependent amphetamine or related acting sympathomimetic abuse, unspecified Diagnosis ICD-9-CM 305.71 Nondependent amphetamine or related acting sympathomimetic abuse, ontinuous Diagnosis ICD-9-CM 305.72 Nondependent amphetamine or related acting sympathomimetic abuse, in continuous Diagnosis ICD-9-CM 305.73 Nondep	305.41	Nondependent sedative hypnotic or anxiolytic abuse, continuous	Diagnosis	ICD-9-CM
305.5Nondependent opioid abuseDiagnosisICD-9-CM305.50Nondependent opioid abuse, unspecifiedDiagnosisICD-9-CM305.51Nondependent opioid abuse, continuousDiagnosisICD-9-CM305.52Nondependent opioid abuse, episodicDiagnosisICD-9-CM305.53Nondependent opioid abuse, in remissionDiagnosisICD-9-CM305.60Nondependent cocaine abuseDiagnosisICD-9-CM305.61Nondependent cocaine abuse, unspecifiedDiagnosisICD-9-CM305.62Nondependent cocaine abuse, continuousDiagnosisICD-9-CM305.63Nondependent cocaine abuse, in remissionDiagnosisICD-9-CM305.61Nondependent amphetamine or related acting sympathomimetic abuseDiagnosisICD-9-CM305.70Nondependent amphetamine or related acting sympathomimetic abuse, unspecifiedDiagnosisICD-9-CM305.71Nondependent amphetamine or related acting sympathomimetic abuse, episodicDiagnosisICD-9-CM305.72Nondependent amphetamine or related acting sympathomimetic abuse, episodicDiagnosisICD-9-CM305.73Nondependent amphetamine or related acting sympathomimetic abuse, in remissionDiagnosisICD-9-CM305.80Nondependent amtidepressant type abuseDiagnosisICD-9-CM305.81Nondependent antidepressant type abuse, unspecifiedDiagnosisICD-9-CM305.82Nondependent antidepressant type abuse, in remissionDiagnosisICD-9-CM305.83Nondependent antidepressant type ab	305.42	Nondependent sedative, hypnotic or anxiolytic abuse, episodic	Diagnosis	ICD-9-CM
305.50Nondependent opioid abuse, unspecifiedDiagnosisICD-9-CM305.51Nondependent opioid abuse, continuousDiagnosisICD-9-CM305.52Nondependent opioid abuse, episodicDiagnosisICD-9-CM305.53Nondependent opioid abuse, in remissionDiagnosisICD-9-CM305.60Nondependent cocaine abuseDiagnosisICD-9-CM305.61Nondependent cocaine abuse, unspecifiedDiagnosisICD-9-CM305.62Nondependent cocaine abuse, continuousDiagnosisICD-9-CM305.63Nondependent cocaine abuse, in remissionDiagnosisICD-9-CM305.70Nondependent amphetamine or related acting sympathomimetic abuseDiagnosisICD-9-CM305.71Nondependent amphetamine or related acting sympathomimetic abuse, unspecifiedDiagnosisICD-9-CM305.72Nondependent amphetamine or related acting sympathomimetic abuse, continuousDiagnosisICD-9-CM305.73Nondependent amphetamine or related acting sympathomimetic abuse, episodicDiagnosisICD-9-CM305.80Nondependent amphetamine or related acting sympathomimetic abuse, in remissionDiagnosisICD-9-CM305.81Nondependent antidepressant type abuseDiagnosisICD-9-CM305.82Nondependent antidepressant type abuse, unspecifiedDiagnosisICD-9-CM305.83Nondependent antidepressant type abuse, episodicDiagnosisICD-9-CM305.84Nondependent antidepressant type abuse, episodicDiagnosisICD-9-CM305.85Nondependent	305.43	Nondependent sedative, hypnotic or anxiolytic abuse, in remission	Diagnosis	ICD-9-CM
305.51Nondependent opioid abuse, continuousDiagnosisICD-9-CM305.52Nondependent opioid abuse, episodicDiagnosisICD-9-CM305.53Nondependent opioid abuse, in remissionDiagnosisICD-9-CM305.60Nondependent cocaine abuseDiagnosisICD-9-CM305.61Nondependent cocaine abuse, unspecifiedDiagnosisICD-9-CM305.62Nondependent cocaine abuse, episodicDiagnosisICD-9-CM305.63Nondependent cocaine abuse, episodicDiagnosisICD-9-CM305.7Nondependent amphetamine or related acting sympathomimetic abuseDiagnosisICD-9-CM305.70Nondependent amphetamine or related acting sympathomimetic abuse, unspecifiedDiagnosisICD-9-CM305.71Nondependent amphetamine or related acting sympathomimetic abuse, continuousDiagnosisICD-9-CM305.72Nondependent amphetamine or related acting sympathomimetic abuse, episodicDiagnosisICD-9-CM305.73Nondependent amphetamine or related acting sympathomimetic abuse, in remissionDiagnosisICD-9-CM305.80Nondependent antidepressant type abuseDiagnosisICD-9-CM305.81Nondependent antidepressant type abuse, unspecifiedDiagnosisICD-9-CM305.82Nondependent antidepressant type abuse, episodicDiagnosisICD-9-CM305.83Nondependent antidepressant type abuse, in remissionDiagnosisICD-9-CM305.80Other, mixed, or unspecified nondependent drug abuse, unspecifiedDiagnosisICD-9-CM305.	305.5	Nondependent opioid abuse	Diagnosis	ICD-9-CM
305.52Nondependent opioid abuse, episodicDiagnosisICD-9-CM305.53Nondependent opioid abuse, in remissionDiagnosisICD-9-CM305.6Nondependent cocaine abuseDiagnosisICD-9-CM305.60Nondependent cocaine abuse, unspecifiedDiagnosisICD-9-CM305.61Nondependent cocaine abuse, continuousDiagnosisICD-9-CM305.62Nondependent cocaine abuse, episodicDiagnosisICD-9-CM305.73Nondependent cocaine abuse, in remissionDiagnosisICD-9-CM305.70Nondependent amphetamine or related acting sympathomimetic abuse, unspecifiedDiagnosisICD-9-CM305.71Nondependent amphetamine or related acting sympathomimetic abuse, continuousDiagnosisICD-9-CM305.72Nondependent amphetamine or related acting sympathomimetic abuse, episodicDiagnosisICD-9-CM305.73Nondependent amphetamine or related acting sympathomimetic abuse, in remissionDiagnosisICD-9-CM305.80Nondependent amphetamine or related acting sympathomimetic abuse, in remissionDiagnosisICD-9-CM305.81Nondependent antidepressant type abuse, unspecifiedDiagnosisICD-9-CM305.82Nondependent antidepressant type abuse, continuousDiagnosisICD-9-CM305.83Nondependent antidepressant type abuse, in remissionDiagnosisICD-9-CM305.80Other, mixed, or unspecified nondependent drug abuse, unspecifiedDiagnosisICD-9-CM305.90Other, mixed, or unspecified nondependent drug abuse, continuousD	305.50	Nondependent opioid abuse, unspecified	Diagnosis	ICD-9-CM
305.53Nondependent opioid abuse, in remissionDiagnosisICD-9-CM305.6Nondependent cocaine abuseDiagnosisICD-9-CM305.60Nondependent cocaine abuse, unspecifiedDiagnosisICD-9-CM305.61Nondependent cocaine abuse, continuousDiagnosisICD-9-CM305.62Nondependent cocaine abuse, episodicDiagnosisICD-9-CM305.63Nondependent amphetamine or related acting sympathomimetic abuseDiagnosisICD-9-CM305.70Nondependent amphetamine or related acting sympathomimetic abuse, unspecifiedDiagnosisICD-9-CM305.71Nondependent amphetamine or related acting sympathomimetic abuse, continuousDiagnosisICD-9-CM305.72Nondependent amphetamine or related acting sympathomimetic abuse, episodicDiagnosisICD-9-CM305.73Nondependent amphetamine or related acting sympathomimetic abuse, in remissionDiagnosisICD-9-CM305.80Nondependent antidepressant type abuseDiagnosisICD-9-CM305.81Nondependent antidepressant type abuse, unspecifiedDiagnosisICD-9-CM305.82Nondependent antidepressant type abuse, pisodicDiagnosisICD-9-CM305.83Nondependent antidepressant type abuse, in remissionDiagnosisICD-9-CM305.90Other, mixed, or unspecified nondependent drug abuse, unspecifiedDiagnosisICD-9-CM305.91Other, mixed, or unspecified nondependent drug abuse, continuousDiagnosisICD-9-CM305.92Other, mixed, or unspecified nondependent drug abuse, episodic </td <td>305.51</td> <td>Nondependent opioid abuse, continuous</td> <td>Diagnosis</td> <td>ICD-9-CM</td>	305.51	Nondependent opioid abuse, continuous	Diagnosis	ICD-9-CM
305.6Nondependent cocaine abuseDiagnosisICD-9-CM305.60Nondependent cocaine abuse, unspecifiedDiagnosisICD-9-CM305.61Nondependent cocaine abuse, continuousDiagnosisICD-9-CM305.62Nondependent cocaine abuse, episodicDiagnosisICD-9-CM305.7Nondependent cocaine abuse, in remissionDiagnosisICD-9-CM305.7Nondependent amphetamine or related acting sympathomimetic abuse unspecifiedDiagnosisICD-9-CM305.70Nondependent amphetamine or related acting sympathomimetic abuse, continuousDiagnosisICD-9-CM305.71Nondependent amphetamine or related acting sympathomimetic abuse, episodicDiagnosisICD-9-CM305.72Nondependent amphetamine or related acting sympathomimetic abuse, episodicDiagnosisICD-9-CM305.83Nondependent amtidepressant type abuseDiagnosisICD-9-CM305.80Nondependent antidepressant type abuse, unspecifiedDiagnosisICD-9-CM305.81Nondependent antidepressant type abuse, continuousDiagnosisICD-9-CM305.82Nondependent antidepressant type abuse, in remissionDiagnosisICD-9-CM305.83Nondependent antidepressant type abuse, in remissionDiagnosisICD-9-CM305.80Other, mixed, or unspecified nondependent drug abuse, unspecifiedDiagnosisICD-9-CM305.90Other, mixed, or unspecified nondependent drug abuse, unspecifiedDiagnosisICD-9-CM305.91Other, mixed, or unspecified nondependent drug abuse, continuo	305.52	Nondependent opioid abuse, episodic	Diagnosis	ICD-9-CM
305.60Nondependent cocaine abuse, unspecifiedDiagnosisICD-9-CM305.61Nondependent cocaine abuse, continuousDiagnosisICD-9-CM305.62Nondependent cocaine abuse, episodicDiagnosisICD-9-CM305.63Nondependent cocaine abuse, in remissionDiagnosisICD-9-CM305.7Nondependent amphetamine or related acting sympathomimetic abuseDiagnosisICD-9-CM305.70Nondependent amphetamine or related acting sympathomimetic abuse, unspecifiedDiagnosisICD-9-CM305.71Nondependent amphetamine or related acting sympathomimetic abuse, episodicDiagnosisICD-9-CM305.72Nondependent amphetamine or related acting sympathomimetic abuse, in remissionDiagnosisICD-9-CM305.83Nondependent amphetamine or related acting sympathomimetic abuse, in remissionDiagnosisICD-9-CM305.80Nondependent antidepressant type abuseDiagnosisICD-9-CM305.81Nondependent antidepressant type abuse, unspecifiedDiagnosisICD-9-CM305.82Nondependent antidepressant type abuse, episodicDiagnosisICD-9-CM305.83Nondependent antidepressant type abuse, in remissionDiagnosisICD-9-CM305.90Other, mixed, or unspecified nondependent drug abuseDiagnosisICD-9-CM305.91Other, mixed, or unspecified nondependent drug abuse, episodicDiagnosisICD-9-CM305.92Other, mixed, or unspecified nondependent drug abuse, episodicDiagnosisICD-9-CM	305.53	Nondependent opioid abuse, in remission	Diagnosis	ICD-9-CM
305.61Nondependent cocaine abuse, continuousDiagnosisICD-9-CM305.62Nondependent cocaine abuse, episodicDiagnosisICD-9-CM305.63Nondependent cocaine abuse, in remissionDiagnosisICD-9-CM305.7Nondependent amphetamine or related acting sympathomimetic abuse, unspecifiedDiagnosisICD-9-CM305.70Nondependent amphetamine or related acting sympathomimetic abuse, continuousDiagnosisICD-9-CM305.71Nondependent amphetamine or related acting sympathomimetic abuse, continuousDiagnosisICD-9-CM305.72Nondependent amphetamine or related acting sympathomimetic abuse, in remissionDiagnosisICD-9-CM305.83Nondependent amphetamine or related acting sympathomimetic abuse, in remissionDiagnosisICD-9-CM305.80Nondependent antidepressant type abuse, unspecifiedDiagnosisICD-9-CM305.81Nondependent antidepressant type abuse, continuousDiagnosisICD-9-CM305.82Nondependent antidepressant type abuse, episodicDiagnosisICD-9-CM305.83Nondependent antidepressant type abuse, in remissionDiagnosisICD-9-CM305.90Other, mixed, or unspecified nondependent drug abuse, unspecifiedDiagnosisICD-9-CM305.91Other, mixed, or unspecified nondependent drug abuse, continuousDiagnosisICD-9-CM305.92Other, mixed, or unspecified nondependent drug abuse, episodicDiagnosisICD-9-CM	305.6	Nondependent cocaine abuse	Diagnosis	ICD-9-CM
305.62Nondependent cocaine abuse, episodicDiagnosisICD-9-CM305.63Nondependent cocaine abuse, in remissionDiagnosisICD-9-CM305.7Nondependent amphetamine or related acting sympathomimetic abuseDiagnosisICD-9-CM305.70Nondependent amphetamine or related acting sympathomimetic abuse, unspecifiedDiagnosisICD-9-CM305.71Nondependent amphetamine or related acting sympathomimetic abuse, continuousDiagnosisICD-9-CM305.72Nondependent amphetamine or related acting sympathomimetic abuse, episodicDiagnosisICD-9-CM305.73Nondependent amphetamine or related acting sympathomimetic abuse, in remissionDiagnosisICD-9-CM305.80Nondependent antidepressant type abuseDiagnosisICD-9-CM305.81Nondependent antidepressant type abuse, unspecifiedDiagnosisICD-9-CM305.82Nondependent antidepressant type abuse, episodicDiagnosisICD-9-CM305.83Nondependent antidepressant type abuse, in remissionDiagnosisICD-9-CM305.80Other, mixed, or unspecified nondependent drug abuseDiagnosisICD-9-CM305.90Other, mixed, or unspecified nondependent drug abuse, unspecifiedDiagnosisICD-9-CM305.91Other, mixed, or unspecified nondependent drug abuse, episodicDiagnosisICD-9-CM305.92Other, mixed, or unspecified nondependent drug abuse, episodicDiagnosisICD-9-CM305.92Other, mixed, or unspecified nondependent drug abuse, episodicDiagnosisICD-9-CM <td>305.60</td> <td>Nondependent cocaine abuse, unspecified</td> <td>Diagnosis</td> <td>ICD-9-CM</td>	305.60	Nondependent cocaine abuse, unspecified	Diagnosis	ICD-9-CM
305.63Nondependent cocaine abuse, in remissionDiagnosisICD-9-CM305.7Nondependent amphetamine or related acting sympathomimetic abuseDiagnosisICD-9-CM305.70Nondependent amphetamine or related acting sympathomimetic abuse, unspecifiedDiagnosisICD-9-CM305.71Nondependent amphetamine or related acting sympathomimetic abuse, continuousDiagnosisICD-9-CM305.72Nondependent amphetamine or related acting sympathomimetic abuse, episodicDiagnosisICD-9-CM305.73Nondependent amphetamine or related acting sympathomimetic abuse, in remissionDiagnosisICD-9-CM305.80Nondependent antidepressant type abuseDiagnosisICD-9-CM305.81Nondependent antidepressant type abuse, unspecifiedDiagnosisICD-9-CM305.82Nondependent antidepressant type abuse, episodicDiagnosisICD-9-CM305.83Nondependent antidepressant type abuse, in remissionDiagnosisICD-9-CM305.80Nondependent antidepressant type abuse, in remissionDiagnosisICD-9-CM305.81Nondependent antidepressant type abuse, in remissionDiagnosisICD-9-CM305.82Nondependent antidepressant type abuse, in remissionDiagnosisICD-9-CM305.90Other, mixed, or unspecified nondependent drug abuse, unspecifiedDiagnosisICD-9-CM305.91Other, mixed, or unspecified nondependent drug abuse, continuousDiagnosisICD-9-CM305.92Other, mixed, or unspecified nondependent drug abuse, episodicDiagnosisICD-9-CM <td>305.61</td> <td>Nondependent cocaine abuse, continuous</td> <td>Diagnosis</td> <td>ICD-9-CM</td>	305.61	Nondependent cocaine abuse, continuous	Diagnosis	ICD-9-CM
305.7Nondependent amphetamine or related acting sympathomimetic abuseDiagnosisICD-9-CM305.70Nondependent amphetamine or related acting sympathomimetic abuse, unspecifiedDiagnosisICD-9-CM305.71Nondependent amphetamine or related acting sympathomimetic abuse, continuousDiagnosisICD-9-CM305.72Nondependent amphetamine or related acting sympathomimetic abuse, episodicDiagnosisICD-9-CM305.73Nondependent amphetamine or related acting sympathomimetic abuse, in remissionDiagnosisICD-9-CM305.8Nondependent antidepressant type abuseDiagnosisICD-9-CM305.80Nondependent antidepressant type abuse, unspecifiedDiagnosisICD-9-CM305.81Nondependent antidepressant type abuse, continuousDiagnosisICD-9-CM305.82Nondependent antidepressant type abuse, episodicDiagnosisICD-9-CM305.83Nondependent antidepressant type abuse, in remissionDiagnosisICD-9-CM305.90Other, mixed, or unspecified nondependent drug abuseDiagnosisICD-9-CM305.91Other, mixed, or unspecified nondependent drug abuse, continuousDiagnosisICD-9-CM305.92Other, mixed, or unspecified nondependent drug abuse, episodicDiagnosisICD-9-CM305.92Other, mixed, or unspecified nondependent drug abuse, episodicDiagnosisICD-9-CM	305.62	Nondependent cocaine abuse, episodic	Diagnosis	ICD-9-CM
Nondependent amphetamine or related acting sympathomimetic abuse, unspecified Nondependent amphetamine or related acting sympathomimetic abuse, continuous Nondependent amphetamine or related acting sympathomimetic abuse, continuous Nondependent amphetamine or related acting sympathomimetic abuse, episodic Nondependent amphetamine or related acting sympathomimetic abuse, in remission Nondependent amphetamine or related acting sympathomimetic abuse, in remission Nondependent antidepressant type abuse Nondependent antidepressant type abuse, unspecified Nondependent antidepressant type abuse, continuous Nondependent antidepressant type abuse, continuous Nondependent antidepressant type abuse, episodic Nondependent antidepressant type abuse, in remission Diagnosis ICD-9-CM Nondependent antidepressant type abuse, in remission Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse, unspecified Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse, unspecified Other, mixed, or unspecified nondependent drug abuse, continuous Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse, continuous Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse, episodic Diagnosis ICD-9-CM	305.63	Nondependent cocaine abuse, in remission	Diagnosis	ICD-9-CM
unspecified 305.71 Nondependent amphetamine or related acting sympathomimetic abuse, continuous 305.72 Nondependent amphetamine or related acting sympathomimetic abuse, episodic 305.73 Nondependent amphetamine or related acting sympathomimetic abuse, in remission 305.8 Nondependent antidepressant type abuse 305.80 Nondependent antidepressant type abuse, unspecified 305.81 Nondependent antidepressant type abuse, continuous 305.82 Nondependent antidepressant type abuse, episodic 305.83 Nondependent antidepressant type abuse, in remission 305.84 Nondependent antidepressant type abuse, in remission 305.85 Nondependent antidepressant type abuse, in remission 305.86 Nondependent antidepressant type abuse, in remission 305.87 Nondependent antidepressant type abuse, in remission 305.89 Other, mixed, or unspecified nondependent drug abuse, unspecified 305.90 Other, mixed, or unspecified nondependent drug abuse, unspecified 305.91 Other, mixed, or unspecified nondependent drug abuse, episodic 305.92 Other, mixed, or unspecified nondependent drug abuse, episodic 305.91 Diagnosis ICD-9-CM 305.92 Other, mixed, or unspecified nondependent drug abuse, episodic 305.91 Diagnosis ICD-9-CM	305.7	Nondependent amphetamine or related acting sympathomimetic abuse	Diagnosis	ICD-9-CM
Solution and the properties of	305.70		Diagnosis	ICD-9-CM
episodic Nondependent amphetamine or related acting sympathomimetic abuse, in remission Nondependent antidepressant type abuse Nondependent antidepressant type abuse, unspecified Nondependent antidepressant type abuse, unspecified Nondependent antidepressant type abuse, continuous Nondependent antidepressant type abuse, continuous Nondependent antidepressant type abuse, episodic Nondependent antidepressant type abuse, episodic Nondependent antidepressant type abuse, in remission Diagnosis ICD-9-CM Nondependent antidepressant type abuse, in remission Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse Other, mixed, or unspecified nondependent drug abuse, unspecified Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse, continuous Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse, continuous Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse, continuous Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse, episodic Diagnosis ICD-9-CM	305.71		Diagnosis	ICD-9-CM
remission 305.8 Nondependent antidepressant type abuse 305.80 Nondependent antidepressant type abuse, unspecified 305.81 Nondependent antidepressant type abuse, continuous 305.82 Nondependent antidepressant type abuse, episodic 305.83 Nondependent antidepressant type abuse, in remission 305.84 Nondependent antidepressant type abuse, in remission 305.85 Diagnosis 305.90 Other, mixed, or unspecified nondependent drug abuse, unspecified 305.91 Other, mixed, or unspecified nondependent drug abuse, continuous 305.92 Other, mixed, or unspecified nondependent drug abuse, episodic 305.91 Diagnosis 305.92 Diagnosis 305	305.72		Diagnosis	ICD-9-CM
Nondependent antidepressant type abuse, unspecified Diagnosis ICD-9-CM Nondependent antidepressant type abuse, continuous Diagnosis ICD-9-CM Nondependent antidepressant type abuse, episodic Diagnosis ICD-9-CM Nondependent antidepressant type abuse, in remission Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse, unspecified Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse, continuous Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse, episodic Diagnosis ICD-9-CM	305.73		Diagnosis	ICD-9-CM
Nondependent antidepressant type abuse, continuous Nondependent antidepressant type abuse, episodic Nondependent antidepressant type abuse, episodic Nondependent antidepressant type abuse, in remission Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse Other, mixed, or unspecified nondependent drug abuse, unspecified Other, mixed, or unspecified nondependent drug abuse, continuous Other, mixed, or unspecified nondependent drug abuse, continuous Other, mixed, or unspecified nondependent drug abuse, episodic Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse, episodic Diagnosis ICD-9-CM	305.8	Nondependent antidepressant type abuse	Diagnosis	ICD-9-CM
Nondependent antidepressant type abuse, episodic Nondependent antidepressant type abuse, in remission Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse Other, mixed, or unspecified nondependent drug abuse, unspecified Other, mixed, or unspecified nondependent drug abuse, unspecified Other, mixed, or unspecified nondependent drug abuse, continuous Other, mixed, or unspecified nondependent drug abuse, episodic Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse, episodic Diagnosis ICD-9-CM	305.80	Nondependent antidepressant type abuse, unspecified	Diagnosis	ICD-9-CM
Nondependent antidepressant type abuse, in remission Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse Other, mixed, or unspecified nondependent drug abuse, unspecified Diagnosis ICD-9-CM Other, mixed, or unspecified nondependent drug abuse, continuous Other, mixed, or unspecified nondependent drug abuse, continuous Other, mixed, or unspecified nondependent drug abuse, episodic Diagnosis ICD-9-CM	305.81	Nondependent antidepressant type abuse, continuous	Diagnosis	ICD-9-CM
305.9 Other, mixed, or unspecified nondependent drug abuse Diagnosis ICD-9-CM 305.90 Other, mixed, or unspecified nondependent drug abuse, unspecified Diagnosis ICD-9-CM 305.91 Other, mixed, or unspecified nondependent drug abuse, continuous Diagnosis ICD-9-CM 305.92 Other, mixed, or unspecified nondependent drug abuse, episodic Diagnosis ICD-9-CM	305.82	Nondependent antidepressant type abuse, episodic	Diagnosis	ICD-9-CM
305.90 Other, mixed, or unspecified nondependent drug abuse, unspecified Diagnosis ICD-9-CM 305.91 Other, mixed, or unspecified nondependent drug abuse, continuous Diagnosis ICD-9-CM 305.92 Other, mixed, or unspecified nondependent drug abuse, episodic Diagnosis ICD-9-CM	305.83	Nondependent antidepressant type abuse, in remission	Diagnosis	ICD-9-CM
305.91 Other, mixed, or unspecified nondependent drug abuse, continuous Diagnosis ICD-9-CM 305.92 Other, mixed, or unspecified nondependent drug abuse, episodic Diagnosis ICD-9-CM	305.9	Other, mixed, or unspecified nondependent drug abuse	Diagnosis	ICD-9-CM
Other, mixed, or unspecified nondependent drug abuse, episodic Diagnosis ICD-9-CM	305.90	Other, mixed, or unspecified nondependent drug abuse, unspecified	Diagnosis	ICD-9-CM
	305.91	Other, mixed, or unspecified nondependent drug abuse, continuous	Diagnosis	ICD-9-CM
Other, mixed, or unspecified nondependent drug abuse, in remission Diagnosis ICD-9-CM	305.92	Other, mixed, or unspecified nondependent drug abuse, episodic	Diagnosis	ICD-9-CM
	305.93	Other, mixed, or unspecified nondependent drug abuse, in remission	Diagnosis	ICD-9-CM

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Generic Name Brand Name

Analgesic Opiates

acetaminophen with codeine phosphate

acetaminophen with codeine phosphate

Acetaminophen-Codeine

Capital with Codeine

acetaminophen with codeine phosphate Cocet
acetaminophen with codeine phosphate Cocet Plus

acetaminophen with codeine phosphate Tylenol-Codeine #3 acetaminophen with codeine phosphate Tylenol-Codeine #4

acetaminophen with codeine phosphate Vopac

aspirin/codeine phosphate
aspirin/codeine phosphate
aspirin/codeine phosphate
aspirin/codeine phosphate
buprenorphine
aspirin/codeine phosphate
buprenorphine
aspirin-Codeine #4
Buprenorphine
Butrans

buprenorphine Butrans
buprenorphine HCl Belbuca
buprenorphine HCl/naloxone HCl Bunavail

butalbital/acetaminophen/caffeine/codeine phosphate Butalbital-Acetaminop-Caf-Cod

butalbital/acetaminophen/caffeine/codeine phosphate Fioricet with Codeine

butalbital/acetaminophen/caffeine/codeine phosphate Carisoprodol/aspirin/codeine phosphate Carisoprodol/aspirin/codeine phosphate Carisoprodol-ASA-Codeine Carisoprodol/aspirin/codeine phosphate Carisoprodol-ASA-Codeine Carisoprodol/aspirin/codeine phosphate Carisoprodol-ASA-Codeine Carisoprodol-Carisoprodo

codeine phosphate Codeine Phosphate

codeine phosphate Codeine Phosphate Soluble codeine phosphate/butalbital/aspirin/caffeine Ascomp with Codeine

codeine phosphate/butalbital/aspirin/caffeine
codeine phosphate/butalbital/aspirin/caffeine
codeine phosphate/butalbital/aspirin/caffeine
codeine phosphate/butalbital/aspirin/caffeine

Butalbital Compound w/Codeine
Butalbital Compound-Codeine
Codeine-Butalbital-ASA-Caff

codeine phosphate/butalbital/aspirin/caffeine Fiorinal-Codeine #3
codeine sulfate Codeine Aulfate

fentanyl citrate Abstral fentanyl citrate Actiq

fentanyl citrate Fentanyl Citrate

fentanyl citrate Fentora fentanyl citrate Lazanda fentanyl citrate Onsolis

fentanyl citrate in 0.9 % sodium chloride/PF Fentanyl Citrate (PF)-0.9%NaCl fentanyl citrate in dextrose 5% in water/PF Fentanyl Citrate in D5W (PF) fentanyl citrate/bupivacaine HCl in 0.9 % sodium chloride/PF Fentanyl (PF)-Bupivacaine-NaCl

fentanyl citrate/droperidol Fentanyl-Droperidol fentanyl citrate/PF Fentanyl Citrate (PF) fentanyl citrate/PF Sublimaze (PF)

fentanyl citrate/ropivacaine HCl/sodium chloride 0.9%/PF Fentanyl-Ropivacaine-NaCl (PF)

hydrocodone bitartrate Hysingla ER
hydrocodone bitartrate Zohydro ER
hydrocodone bitartrate/acetaminophen Anexsia

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Generic Name	Brand Name
hydrocodone bitartrate/acetaminophen	Co-Gesic
hydrocodone bitartrate/acetaminophen	Dolacet
hydrocodone bitartrate/acetaminophen	Dolorex Forte
hydrocodone bitartrate/acetaminophen	Hycet
hydrocodone bitartrate/acetaminophen	Hydrocet
hydrocodone bitartrate/acetaminophen	Hydrocodone-Acetaminophen
hydrocodone bitartrate/acetaminophen	Hydrogesic
hydrocodone bitartrate/acetaminophen	Liquicet
hydrocodone bitartrate/acetaminophen	Lorcet (hydrocodone)
hydrocodone bitartrate/acetaminophen	Lorcet 10/650
hydrocodone bitartrate/acetaminophen	Lorcet HD
hydrocodone bitartrate/acetaminophen	Lorcet Plus
hydrocodone bitartrate/acetaminophen	Lortab
hydrocodone bitartrate/acetaminophen	Lortab 10-325
hydrocodone bitartrate/acetaminophen	Lortab 5-325
hydrocodone bitartrate/acetaminophen	Lortab 7.5-325
hydrocodone bitartrate/acetaminophen	Lortab Elixir
hydrocodone bitartrate/acetaminophen	Margesic-H
hydrocodone bitartrate/acetaminophen	Maxidone
hydrocodone bitartrate/acetaminophen	Norco
hydrocodone bitartrate/acetaminophen	Polygesic
hydrocodone bitartrate/acetaminophen	Stagesic
hydrocodone bitartrate/acetaminophen	Vanacet
hydrocodone bitartrate/acetaminophen	Verdrocet
hydrocodone bitartrate/acetaminophen	Vicodin
hydrocodone bitartrate/acetaminophen	Vicodin ES
hydrocodone bitartrate/acetaminophen	Vicodin HP
hydrocodone bitartrate/acetaminophen	Xodol 10/300
hydrocodone bitartrate/acetaminophen	Xodol 5/300
hydrocodone bitartrate/acetaminophen	Xodol 7.5/300
hydrocodone bitartrate/acetaminophen	Zamicet
hydrocodone bitartrate/acetaminophen	Zolvit
hydrocodone bitartrate/acetaminophen	Zydone
hydrocodone bitartrate/acetaminophen/dietary supplement #11	Theracodophen-325
hydrocodone bitartrate/acetaminophen/dietary supplement #12	Theracodophen-650
hydrocodone bitartrate/acetaminophen/dietary supplement #13	Theracodophen-Low-90
hydromorphone HCl	Dilaudid
hydromorphone HCl	Dilaudid-5
hydromorphone HCl	Exalgo ER
hydromorphone HCl	Hydromorphone
hydromorphone HCl in 0.9 % sodium chloride	Hydromorphone in 0.9 % NaCl
hydromorphone HCl in 0.9 % sodium chloride/PF	Hydromorphone (PF)-0.9 % NaCl
hydromorphone HCl in dextrose 5 %-water/PF	Hydromorphone in D5W (PF)

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Generic Name	Brand Name
hydromorphone HCl in sterile water/PF	Hydromorphone (PF) in Water
hydromorphone HCI/bupivacaine HCI in 0.9% sodium	Hydromorphone-bupiv (PF)-NaCl
chloride/PF	
	1

hydromorphone HCl/PF Dilaudid (PF)
hydromorphone HCl/PF Dilaudid-HP (PF)
hydromorphone HCl/PF Hydromorphone (PF)

hydromorphone HCI/ropivacaine in 0.9 % sodium chloride/PF Hydromorph(PF)-Ropiv-0.9% NaCl

ibuprofen/oxycodone HCl Combunox

ibuprofen/oxycodone HCl Ibuprofen-Oxycodone

meperidine HCl Demerol
meperidine HCl Meperidine
meperidine HCl Meperitab

meperidine HCl in 0.9 % sodium chloride Meperidine in 0.9 % NaCl meperidine HCl in 0.9 % sodium chloride/PF Meperidine (PF) in 0.9 % NaCl

meperidine HCI/PF Demerol (PF)
meperidine HCI/PF Meperidine (PF)

meperidine HCI/promethazine HCI Meperidine-Promethazine

meperidine HCl/promethazine HCl Meprozine

Antipsychotics

aripiprazole Abilify
aripiprazole Abilify Discmelt
aripiprazole Abilify Discmelt
aripiprazole Abilify Maintena
aripiprazole Aripiprazole
aripiprazole lauroxil Aristada
aripiprazole lauroxil, submicronized Aristada Initio
asenapine maleate Saphris

asenapine maleate Saphris (black cherry)

brexpiprazole Rexulti cariprazine HCl Vraylar

chlorpromazine HClChlorpromazineclozapineClozapineclozapineClozarilclozapineFazaCloclozapineVersacloz

fluphenazine decanoate
fluphenazine HCl
haloperidol
haloperidol decanoate
haloperidol decanoate
haloperidol decanoate
Haloperidol Decanoate

haloperidol lactate Haldol

haloperidol lactate Haloperidol Lactate

iloperidone Fanapt loxapine Adasuve

loxapine succinate Loxapine Succinate

loxapine succinate Loxitane

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Generic Name	Brand Name		
lurasidone HCl	Latuda		
molindone HCl	Moban		
molindone HCl	Molindone		
olanzapine	Olanzapine		
olanzapine	Zyprexa		
olanzapine	Zyprexa Zydis		
olanzapine pamoate	Zyprexa Relprevv		
olanzapine/fluoxetine HCl	Olanzapine-Fluoxetine		
olanzapine/fluoxetine HCl	Symbyax		
paliperidone	Invega		
paliperidone	Paliperidone		
paliperidone palmitate	Invega Sustenna		
paliperidone palmitate	Invega Trinza		
perphenazine	Perphenazine		
perphenazine/amitriptyline HCl	Duo-Vil 2-10		
perphenazine/amitriptyline HCl	Duo-Vil 2-25		
perphenazine/amitriptyline HCl	Perphenazine-Amitriptyline		
pimavanserin tartrate	Nuplazid		
pimozide	Orap		
pimozide	Pimozide		
quetiapine fumarate	Quetiapine		
quetiapine fumarate	Seroquel		
quetiapine fumarate	Seroquel XR		
risperidone	Perseris		
risperidone	Risperdal		
risperidone	Risperdal M-TAB		
risperidone	Risperidone		
risperidone microspheres	Risperdal Consta		
thioridazine HCl	Thioridazine		
thiothixene	Navane		
thiothixene	Thiothixene		
trifluoperazine HCl	Trifluoperazine		
ziprasidone HCl	Geodon		
ziprasidone HCl	Ziprasidone HCl		
ziprasidone mesylate	ziprasidone mesylate Geodon		
Anxiolytic and Hypnotic Medication			

Anxiotytic and Tryphotic Micalcation			
Alprazolam			

alprazolam Alprazolam Intensol alprazolam Niravam

alprazolam Xanax Alprazolam Xanax XR alprazolam/dietary supplement,misc combo no.17 Gabazolamine

alprazolam

amitriptyline HCl/chlordiazepoxide Amitriptyline-Chlordiazepoxide

amitriptyline HCl/chlordiazepoxide Limbitrol Limbitrol DS buspirone HCl BuSpar

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Generic Name	Brand Name
buspirone HCl	Buspirone
buspirone HCl	Vanspar
chlordiazepoxide HCl	Chlordiazepoxide HCl
chlordiazepoxide HCl	Librium
clorazepate dipotassium	Clorazepate Dipotassium
clorazepate dipotassium	Tranxene T-Tab
clorazepate dipotassium	Tranxene-SD
diazepam	Diazepam
diazepam	Diazepam Intensol
diazepam	Valium
lorazepam	Ativan
lorazepam	Lorazepam
lorazepam	Lorazepam Intensol
meprobamate	Meprobamate
oxazepam	Oxazepam
butabarbital sodium	Butisol
chloral hydrate	Chloral Hydrate
chloral hydrate	Somnote
doxepin HCl	Doxepin
doxepin HCl	Prudoxin
doxepin HCl	Silenor
doxepin HCl	Sinequan
doxepin HCl	Zonalon
estazolam	Estazolam
estazolam	Prosom
eszopiclone	Eszopiclone
eszopiclone	Lunesta
flurazepam HCl	Dalmane
flurazepam HCl	Flurazepam
mephobarbital	Mebaral
mephobarbital	Mephobarbital
midazolam HCl	Midazolam
midazolam HCl in 0.9 % sodium chloride	Midazolam (NE) in 0.0 % NaCl
midazolam HCl in 0.9 % sodium chloride/PF	Midazolam (PF) in 0.9 % NaCl
midazolam HCl in 5 % dextrose and water/PF midazolam HCl in dextrose 5% in water	Midazolam in dextrose 5 % (PF) Midazolam in dextrose 5 %
midazolam HCI/PF	Midazolam (PF)
pentobarbital sodium	Nembutal Sodium
pentobarbital sodium	Pentobarbital Sodium
	Doral
quazepam quazepam	Quazepam
ramelteon	Rozerem
secobarbital sodium	Seconal
secobarbital sodium	Seconal Sodium
suvorexant	Belsomra
tasimelteon	Hetlioz
tusimetteun	HECHOZ

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Generic Name	Brand Name		
temazepam	Restoril		
emazepam	Temazepam		
emazepam/dietary supplement no.8	Strazepam		
riazolam	Halcion		
riazolam	Triazolam		
aleplon	Sonata		
aleplon	Zaleplon		
colpidem tartrate	Ambien		
zolpidem tartrate	Ambien CR		
zolpidem tartrate	AMBIEN PAK		
zolpidem tartrate	Edluar		
colpidem tartrate	Intermezzo		
zolpidem tartrate	Zolpidem		
zolpidem tartrate	Zolpimist		
Lithiu	um and Other Mood Stabilizers		
carbamazepine	Carbamazepine		
carbamazepine	Carbatrol		
carbamazepine	Epitol		
carbamazepine	Equetro		
carbamazepine	Tegretol		
carbamazepine	Tegretol XR		
clonazepam	Clonazepam		
clonazepam	Klonopin		
divalproex sodium	Depakote		
divalproex sodium	Depakote ER		
divalproex sodium	Depakote Sprinkles		
divalproex sodium	Divalproex		
amotrigine	Lamictal		
amotrigine	Lamictal ODT		
amotrigine	Lamictal ODT Starter (Blue)		
amotrigine	Lamictal ODT Starter (Green)		
amotrigine	Lamictal ODT Starter (Orange)		
amotrigine	Lamictal Starter (Blue) Kit		
amotrigine	Lamictal Starter (Green) Kit		
amotrigine	Lamictal Starter (Orange) Kit		
amotrigine	Lamictal XR		
amotrigine	Lamictal XR Starter (Blue)		
amotrigine	Lamictal XR Starter (Green)		
amotrigine	Lamictal XR Starter (Orange)		
amotrigine	Lamotrigine		
amotrigine	Subvenite		
amotrigine	Subvenite Starter (Blue) Kit		
amotrigine	Subvenite Starter (Green) Kit		
amotrigine	Subvenite Starter (Orange) Kit		
ithium carbonate	Lithium Carbonate		

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Generic Name	Brand Name		
lithium citrate	Lithium Citrate		
oxcarbazepine	Oxcarbazepine		
oxcarbazepine	Oxtellar XR		
oxcarbazepine	Trileptal		
valproic acid	Depakene		
valproic acid	Stavzor		
valproic acid	Valproic Acid		
valproic acid (as sodium salt) (valproate sodium)	Depacon		
valproic acid (as sodium salt) (valproate sodium)	Depakene		
valproic acid (as sodium salt) (valproate sodium)	Valproate Sodium		
valproic acid (as sodium salt) (valproate sodium)	Valproic Acid (as sodium salt)		

Non-Sertraline Antidepressants amitriptyline HCl Amitriptyline amitriptyline HCl/chlordiazepoxide Amitriptyline HCl/chlordiazepoxide amitriptyline HCl/chlordiazepoxide Limbitrol amitriptyline HCl/chlordiazepoxide Limbitrol DS amoxapine Antidepressants

bupropion HBr **Aplenzin** bupropion HCl **Budeprion SR** bupropion HCl **Budeprion XL** bupropion HCl **Bupropion HCl** Forfivo XL bupropion HCl bupropion HCl Wellbutrin bupropion HCl Wellbutrin SR bupropion HCl Wellbutrin XL bupropion HCI/dietary supplement combination no.15 Appbutamone-D bupropion HCI/dietary supplement combination no.16 **Appbutamone**

citalopram hydrobromide Celexa citalopram hydrobromide Citalopram clomipramine HCl Anafranil clomipramine HCl Clomipramine desipramine HCl Desipramine desipramine HCl Norpramin desvenlafaxine Desvenlafaxine desvenlafaxine Khedezla

desvenlafaxine fumarate
desvenlafaxine succinate

Desvenlafaxine Fumarate
Desvenlafaxine Succinate

desvenlafaxine succinate

doxepin HCl

doxepin HCl

doxepin HCl

Silenor

doxepin HCl

Sinequan

duloxetine HCl

Cymbalta

duloxetine HCl

Duloxetine

duloxetine HCl

Irenka

escitalopram oxalate Escitalopram Oxalate

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Generic Name	Brand Name
escitalopram oxalate	Lexapro
fluoxetine HCl	Fluoxetine
fluoxetine HCl	Prozac
fluoxetine HCl	Prozac Weekly
fluoxetine HCl	Rapiflux
fluoxetine HCl	Sarafem
fluoxetine HCl	Selfemra
fluoxetine HCI/dietary supplement no.17	Gaboxetine
fluoxetine HCI/dietary supplement no.8	Sentroxatine
fluvoxamine maleate	Fluvoxamine
fluvoxamine maleate	Luvox CR
imipramine HCl	Imipramine HCl
imipramine HCl	Tofranil
imipramine pamoate	Imipramine Pamoate
imipramine pamoate	Tofranil-PM
isocarboxazid	Marplan
levomilnacipran HCl	Fetzima
maprotiline HCl	Maprotiline
mirtazapine	Mirtazapine
mirtazapine	Remeron
mirtazapine	Remeron SolTab
nefazodone HCl	Nefazodone
nefazodone HCI	Serzone
nortriptyline HCl	Nortriptyline
nortriptyline HCl	Pamelor
olanzapine/fluoxetine HCl	Olanzapine-Fluoxetine
olanzapine/fluoxetine HCl	Symbyax
paroxetine HCl	Paroxetine HCl
paroxetine HCl	Paxil
paroxetine HCl	Paxil CR
paroxetine mesylate	Brisdelle
paroxetine mesylate	Paroxetine Mesylate (menop.sym)
paroxetine mesylate	Pexeva
perphenazine/amitriptyline HCl	Duo-Vil 2-10
perphenazine/amitriptyline HCl	Duo-Vil 2-25
perphenazine/amitriptyline HCl	Perphenazine-Amitriptyline
phenelzine sulfate	Nardil
phenelzine sulfate	Phenelzine Proteint die s
protriptyline HCl	Protriptyline
protriptyline HCl	Vivactil
selegiline	Emsam
tranylcypromine sulfate	Parnate
tranylcypromine sulfate	Tranylcypromine
trazodone HCI	Desyrel Olertre FR
trazodone HCI	Oleptro ER
trazodone HCl	Trazodone

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Generic Name	Brand Name		
trazodone HCI/dietary supplement no.8	Trazamine		
trimipramine maleate	Surmontil		
trimipramine maleate	Trimipramine		
venlafaxine HCl	Effexor		
venlafaxine HCl	Effexor XR		
venlafaxine HCl	Venlafaxine		
vortioxetine hydrobromide	Brintellix		
vortioxetine hydrobromide	Trintellix		

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Appendix H. Specifications for Parameters Used to Define this Request

This request executed the Cohort Identification and Descriptive Analysis (CIDA) and Propensity Score Analysis (PSA) tools, Version 7.3.3, with additional programming to assess the risk of intentional self-harm comparing brand name sertraline to its authorized generic in the Sentinel Distributed Database (SDD).

Query Period: June 30, 2006 - September 30, 2015

Coverage Requirement: Medical and Drug Coverage

Enrollment Gap: 0 Days **Enrollment Requirement:** 180 days

Age Groups: 12-17, 18-24, 25-54, 55+ years

	Risk Window: 1-14 days With socioeconomic status covariate		Risk Window: 1-365 days With socioeconomic status covariate		Risk Window: 15-365 days With socioeconomic status covariate	
	Comparison 1		Comparison 2		Comparison 3	
Drug/Exposure						
Incident Exposure/Comparator	Authorized generic sertraline	Brand name sertraline	Authorized generic sertraline	Brand name sertraline	Authorized generic sertraline	Brand name sertraline
Incident with Respect	Any sertraline	Any sertraline	Any sertraline	Any sertraline	Any sertraline	Any sertraline
to:	(including those not in exposure definitions)	(including those not in exposure definitions)	(including those not in exposure definitions)	_	(including those not in exposure definitions)	(including those not in exposure definitions)
Incidence Assessment	Lookback period should search for evidence of days supply	Lookback period should search for evidence of days supply	Lookback period should search for evidence of days supply	Lookback period should search for evidence of days supply	Lookback period should search for evidence of days supply	Lookback period should search for evidence of days supply
Washout Period	180 days	180 days	180 days	180 days	180 days	180 days
Cohort Definition	Cohort includes only the first valid incident treatment episode during the query period	Cohort includes only the first valid incident treatment episode during the query period	Cohort includes only the first valid incident treatment episode during the query period	Cohort includes only the first valid incident treatment episode during the query period	Cohort includes only the first valid incident treatment episode during the query period	Cohort includes only the first valid incident treatment episode during the query period
Episode Gap	15	15	15	15	15	15
Episode Extension Period	15	15	15	15	15	15
Minimum Episode Duration	1	1	1	1	1	1

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Appendix H. Specifications for Parameters Used to Define this Request

	Risk Window: 1-14 days		Risk Window: 1-365 days		Risk Window: 15-365 days	
	With socioeconomic status covariate		With socioeconomic status covariate		With socioeconomic status covariate	
	Comparison 1		Comparison 2		Comparison 3	
Maximum Episode Duration	14	14	365	365	365	365
Minimum Days Supplied	1	1	1	1	1	1
Censor Criteria	Death, query end date, disenrollment, event, switch to brand name sertraline, dispensing for another antidepressant	Death, query end date, disenrollment, event, switch to generic name sertraline, dispensing for another antidepressant	Death, query end date, disenrollment, event, switch to brand name sertraline, dispensing for another antidepressant	generic name	Death, query end date, disenrollment, event, switch to brand name sertraline, dispensing for another antidepressant	Death, query end date, disenrollment, event, switch to generic name sertraline, dispensing for another antidepressant
Inclusion/Exclusion						
Pre-Existing Condition	Mood/depressive disorder	Mood/depressive disorder	Mood/depressive disorder	Mood/depressive disorder	Mood/depressive disorder	Mood/depressive disorder
Include/Exclude	Inclusion	Inclusion	Inclusion	Inclusion	Inclusion	Inclusion
Lookback Period	(-90, 0)	(-90, 0)	(-90, 0)	(-90, 0)	(-90, 0)	(-90, 0)
Pre-Existing Condition	Traumatic brain iniury	Traumatic brain injury	Traumatic brain iniury	Traumatic brain iniury	Traumatic brain injury	Traumatic brain injury
Include/Exclude	Exclusion	Exclusion	Exclusion	Exclusion	Exclusion	Exclusion
Lookback Period	(-180, 0)	(-180, 0)	(-180, 0)	(-180, 0)	(-180, 0)	(-180, 0)
Event/Outcome	(, -,	(, -,	(, -,	(, -,	(, -,	(, -,
Event/Outcome	Intentional self-harm		Intentional self-harm		Intentional self-harm	

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Appendix H. Specifications for Parameters Used to Define this Request

	Risk Window: 1-14 days With socioeconomic status covariate	Risk Window: 1-365 days With socioeconomic status covariate	Risk Window: 15-365 days With socioeconomic status covariate	
	Comparison 1	Comparison 2	Comparison 3	
Event Definition	Diagnosis of depression, personality disorder, mania, adjustment reaction, or unspecified non-psychotic mental disorder in inpatient care setting and	Diagnosis of depression, personality disorder, mania, adjustment reaction, or unspecified non-psychotic mental disorder in inpatient care setting and	Diagnosis of depression, personality disorder, mania, adjustment reaction, or unspecified non-psychotic mental disorder in inpatient care setting	
	Diagnosis of poisoning, toxicity of a substance chiefly non-medical in nature, asphyxiation, or open wound to the elbow, wrist, or forearm in inpatient care setting or emergency department on the same day	Diagnosis of poisoning, toxicity of a substance chiefly non-medical in nature, asphyxiation, or open wound to the elbow, wrist, or forearm in inpatient care setting or emergency department on the same day	Diagnosis of poisoning, toxicity of a substance chiefly non-medical in nature, asphyxiation, or open wound to the elbow, wrist, or forearm in inpatient care setting or emergency department on the same day	
Washout (days)	0	0	0	
Blackout Period	1	1	14	
Propensity Score Matching				
Covariates	See Appendices F-G	See Appendices F-G	See Appendices F-G	
Covariate Evaluation Window	(-180, -1)	(-180, -1)	(-180, -1)	
Matching Ratio	1:n	1:n	1:n	
Matching Caliper Settings	0.05	0.05	0.05	
Analysis Type	Conditional	Conditional	Conditional	
Variable in Cox model	None	None	None	
Subgroup Analysis				
Stratifying variable	Age group	Age group	Age group	
Re-matching	Whole Population	Whole Population	Whole Population	
Additional Output	Kaplan Meier curves	Kaplan Meier curves	Kaplan Meier curves	

International Classification of Disease, Ninth Edition, Clinical Modification (ICD-9-CM), International Classification of Disease, Tenth Edition, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Third Edition (CPT-3), and Current Procedural Terminology, Fourth Edition (CPT-4) codes are provided by Optum360. National Drug Codes (NDC) are checked against First Data Bank's "National Drug Data File (NDDF®) Plus."

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