

PRESCRIPTION DRUG OVERDOSE DATA & STATISTICS

GUIDE TO ICD-9-CM AND ICD-10 CODES RELATED TO POISONING AND PAIN

*From Epi to Policy:
Prescription Drug Overdose*

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Introduction to ICD-9-CM and ICD-10 Codes Related to Poisoning and Pain

This guide provides a list of the International Classification of Disease (ICD) version 10 (ICD-10) and the ICD version 9 Clinical Modification (ICD-9-CM) codes for poisoning and pain. This list can be used to query databases featuring either morbidity (ICD-9-CM) or mortality (ICD-10) data.

This information is organized by type of poison and intent. For ICD-10, both underlying and contributing cause of death codes are given. For ICD-9-CM, both the diagnosis and external (E) cause of injury codes are provided. For value labels or definitions of each code, please download the complete matrices from the National Center for Health Statistics at <http://www.cdc.gov/nchs/icd.htm>

Note that the Safe States Alliance's Report, "Consensus Recommendations for National and State Poisoning Surveillance,"¹ includes poisoning definitions broader than those used in the traditional ICD system, including codes for conditions commonly associated with chronic drug abuse. The ICD-9-CM and ICD-10 codes that correspond to those broader definitions can be found in the appendices of that report.

Please note that the ICD-9-CM codes for conditions causing pain included here were selected by the CDC Injury Center for research with insurance claims information. The codes have not been validated in any way. They should not be considered a recommendation for or a standard definition of conditions causing pain. NCIPC offers them for use by others with that understanding.

¹ Safe States Alliance. Consensus Recommendations for National and State Poisoning Surveillance. Report from the Injury Surveillance Workgroup (ISW7). April 2012. Available at: <http://safestates.org/displaycommon.cfm?an=8>

Table 1: All Poisoning

Category Intent	ICD-10 Codes ¹		ICD-9-CM Codes ²	
	Underlying Cause ³	Contributing Cause	Diagnosis	External Cause of Injury
All Poisoning All intents	U01.6 U01.7 X40 X41 X42 X43 X44 X45 X46 X47 X48 X49 X60 X61 X62 X63 X64 X65 X66 X67 X68 X69 X85 X86 X87 X88 X89 X90 Y10 Y11 Y12 Y13 Y14 Y15 Y16 Y17 Y18 Y19 Y35.2 Y35.5 Y36.6 Y36.7	T36 T37 T38 T39 T40 T41 T42 T43 T44 T45 T46 T47 T48 T49 T50 T51 T52 T53 T54 T55 T56 T57 T58 T59 T60 T61 T62 T63 T64 T65	960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989	E850 E851 E852 E853 E854 E855 E856 E857 E858 E860 E861 E862 E863 E864 E865 E866 E867 E868 E869 E950 E951 E952 E962 E972 E975 E976 E980 E981 E982
All Poisoning Unintentional	X40 X41 X42 X43 X44 X45 X46 X47 X48 X49			E850 E851 E852 E853 E854 E855 E856 E857 E858 E860 E861 E862 E863 E864 E865 E866 E867 E868 E869
All Poisoning Self-harm/Suicide	X60 X61 X62 X63 X64 X65 X66 X67 X68 X69			E950 E951 E952
All Poisoning Assault/ Homicide	X85 X86 X87 X88 X89 X90			E962
All Poisoning Legal intervention or operation of war	U01.6 U01.7 Y35.2 Y35.5 Y36.6 Y36.7			E972 E997.1 E997.2
All Poisoning Undetermined Intent	Y10 Y11 Y12 Y13 Y14 Y15 Y16 Y17 Y18 Y19			E980 E981 E982

¹ For ICD-10, the death must have an underlying cause code among those shown. Contributing cause codes can then be used to indicate the specific poison involved, but they do not specify intent.

² For ICD-9-CM, the event can have either an N code listed in the Diagnosis column OR an E code listed in the External Cause of Injury column. Only E codes specify intent.

³ The ICD-10 codes for “All Poisoning” underlying cause are those used by CDC WISQARS.

Table 2: All Drug Poisoning

Category Intent	ICD-10 Codes ¹		ICD-9-CM Codes ²	
	Underlying Cause	Contributing Cause	Diagnosis	External Cause of Injury
Drug poisoning All intents	X40 X41 X42 X43 X44 X60 X61 X62 X63 X64 X85 Y10 Y11 Y12 Y13 Y14	T36 T37 T38 T39 T40 T41 T42 T43 T44 T45 T46 T47 T48 T49 T50	960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979	E850 E851 E852 E853 E854 E855 E856 E857 E858 E950.0 E950.1 E950.2 E950.3 E950.4 E950.5 E962.0 E980.0 E980.1 E980.2 E980.3 E980.4 E980.5
Drug poisoning Unintentional	X40 X41 X42 X43 X44			E850 E851 E852 E853 E854 E855 E856 E857 E858
Drug poisoning Self-harm/Suicide	X60 X61 X62 X63 X64			E950.0 E950.1 E950.2 E950.3 E950.4 E950.5
Drug poisoning Assault/ Homicide	X85			E962.0
Drug poisoning Legal intervention or operation of war	-			-
Drug poisoning Undetermined Intent	Y10 Y11 Y12 Y13 Y14			E980.0 E980.1 E980.2 E980.3 E980.4 E980.5

¹ For ICD-10, the death must have an underlying cause code from among those shown. Contributing cause codes can then be used to indicate the specific type(s) of drug involved but do not specify intent.

² For ICD-9-CM, the event can have either an N code listed in the Diagnosis column OR an E code listed in the External Cause of Injury column. Only E codes specify intent.

Table 3: Sub-Categories of Drug Poisoning

Category	ICD-10 Codes ¹		ICD-9-CM Codes ²	
	Underlying Cause	Contributing Cause	Diagnosis	External Cause of Injury
Illicit drug poisoning	X40 X41 X42 X43 X44 X60 X61 X62 X63 X64 X85 Y10 Y11 Y12 Y13 Y14	T40.1 T40.5 T40.7 T40.8 T40.9 T43.6	Can't be defined ³	Can't be defined ³
Pharmaceutical poisoning⁴	X40 X41 X42 X43 X44 X60 X61 X62 X63 X64 X85 Y10 Y11 Y12 Y13 Y14	T36 T37 T38 T39 T40.2 T40.3 T40.4 T41 T42 T43.0 T43.1 T43.2. T43.3 T43.4 T43.5 T43.8 T43.9 T44 T45 T46 T47 T48 T49 T50.0 T50.1 T50.2 T50.3 T50.4 T50.5 T50.6 T50.7 T50.8	960 961 962 963 964 965.00 965.02 965.09 965.1 965.4 965.5 965.6 965.7 965.8 965.9 966 967 968.0 968.1 968.2 968.3 968.4 968.6 968.7 968.9 969.0 969.1 969.2 969.3 969.4 969.5 969.8 969.9 970.0 970.1 970.9 971 972 973 974 975 976 977.0 977.1 977.2 977.3 977.4 978 979	E850.1 E850.2 E850.3 E850.4 E850.5 E850.6 E850.7 E850.8 E850.9 E851 E852 E853 E854.0 E854.3 E854.8 E855.0 E855.1 E855.3 E855.4 E855.5 E855.6 E855.8 E855.9 E856 E857 E858.0 E858.1 E858.2 E858.3 E858.4 E858.5 E858.6 E950.0 E950.1 E950.2 E950.3 E980.0 E980.1 E980.2 E980.3
Prescription opioid poisoning	X40 X41 X42 X43 X44 X60 X61 X62 X63 X64 X85 Y10 Y11 Y12 Y13 Y14	T40.2 T40.3 T40.4	965.00 965.02 965.09	E850.1 E850.2
Other pharmaceutical poisoning	X40 X41 X42 X43 X44 X60 X61 X62 X63 X64 X85 Y10 Y11 Y12 Y13 Y14	T36 T37 T38 T39 T41 T42 T43.0 T43.1 T43.2. T43.3 T43.4 T43.5 T43.8 T43.9 T44 T45 T46 T47 T48 T49 T50.0 T50.1 T50.2 T50.3 T50.4 T50.5 T50.6 T50.7 T50.8	960 961 962 963 964 965.1 965.4 965.5 965.6 965.7 965.8 965.9 966 967 968.0 968.1 968.2 968.3 968.4 968.6 968.7 968.9 969.0 969.1 969.2 969.3 969.4 969.5 969.8 969.9 970.0 970.1 970.9 971 972 973 974 975 976 977.0 977.1 977.2 977.3 977.4 978 979	E850.3 E850.4 E850.5 E850.6 E850.7 E850.8 E850.9 E851 E852 E853 E854.0 E854.3 E854.8 E855.0 E855.1 E855.3 E855.4 E855.5 E855.6 E855.8 E855.9 E856 E857 E858.0 E858.1 E858.2 E858.3 E858.4 E858.5 E858.6 E950.0 E950.1 E950.2 E950.3 E980.0 E980.1 E980.2 E980.3
Illicit opioid poisoning (opium and heroin)	X40 X41 X42 X43 X44 X60 X61 X62 X63 X64 X85 Y10 Y11 Y12 Y13 Y14	T40.0 T40.1	965.01	E850.0
All opioid poisoning (illicit and prescription)	X40 X41 X42 X43 X44 X60 X61 X62 X63 X64 X85 Y10 Y11 Y12 Y13 Y14	T40.0 T40.1 T40.2 T40.3 T40.4	965.00 965.01 965.02 965.09	E850.0 E850.1 E850.2

- ¹ For ICD-10, the the death must have an underlying cause code from among those shown. Contributing cause codes can then indicate the specific type of drug involved, but they do not specify intent.
- ² For ICD-9-CM, the event can have either an N code listed in the Diagnosis column OR an E code listed in the External Cause of Injury column. Only E codes specify intent.
- ³ Illicit drugs as a group are included in several ICD-9-CM codes that also contain pharmaceuticals, so they are difficult to isolate. Such codes have been omitted from the pharmaceutical codes. Their absence is not likely to have a large effect on overall rates of pharmaceutical poisoning.
- ⁴ “Pharmaceutical” is used as opposed to “prescription” drugs because a small number of codes include both prescription and over-the-counter drugs.

Table 4: Conditions Causing Pain

Category Intent	ICD-10 Codes		ICD-9 Codes ¹	
	Underlying Cause	Contributing Cause	Diagnosis	External Cause of Injury
Acute Pain from Disease and/or Injury	-	-	282.62 338.11 338.12 338.18 338.19 522.5 522.7 574 577 592 733.1 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 850 851 852 853 854 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 890 891 892 893 894 895 896 897 900 901 902 903 904 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959	E800 E801 E802 E803 E804 E805 E806 E807 E810 E811 E812 E813 E814 E815 E816 E817 E818 E819 E820 E821 E822 E823 E824 E825 E826 E827 E828 E829 E830 E831 E832 E833 E834 E835 E836 E837 E838 E839 E840 E841 E842 E843 E844 E845 E846 E847 E848 E849 E880 E881 E882 E883 E884 E885 E886 E887 E888 E890 E891 E892 E893 E894 E895 E896 E897 E898 E899 E900 E901 E902 E903 E904 E905 E906 E907 E908 E909 E916 E917 E918 E919 E920 E921 E922 E923 E924 E925 E926 E927 E928 E953 E954 E955 E956 E957 E958 E959 E960 E961 E962 E963 E964 E965 E966 E967 E968 E970 E971 E972 E973 E974 E975 E976 E983 E984 E985 E986 E987 E988 E989 E990 E991 E992 E993 E994 E995 E996 E997 E998 E999

Chronic Pain	-	-	338.21 338.22 338.28 338.29 338.4 346.0 346.1 346.2 346.3 346.4 346.5 346.6 346.7 346.8 346.9 307.81 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729	-
Back Pain, either acute or chronic	-	-	307.89 721.2 721.3 724.2 724.4 724.5 724.6 724.7 724.8 846, 846.0 846.1 846.2 846.3 846.8 846.9 847 847.2 847.4 847.9	-

¹ For ICD-9-CM, the event can have either an N code listed in the Diagnosis column OR an E code listed in the External Cause of Injury column.