

# Appendix C: Primary cause/diagnosis vs. multiple cause/diagnosis

Table 1. Hospitalization Data Included in *The Health of Washington State, 2007*

	Data Definition	Hospitalization from the condition: Cases where condition is coded as "Principal diagnosis"		Hospitalization with the condition: Cases where condition is coded either as "Principal" or "secondary" diagnosis	
		Count	Rate	Count	Rate
Total Without Pregnancy and Births	All except DRG 385-391	520,351	8544.0		
Drug-Induced	ICD-9CM codes 292,304,305.2-305.9,E850-E858, E950.0-E950.5, E962.0, E980.0-E980.5	7,179	115.0	23,985	384.0
Drug-Induced w/o Suicide	ICD-9CM codes 292,304,305.2-305.9,E850-E858,E962.0, E980.0-E980.5	4,611	74.0	22,011	352.6
Hepatitis	ICD-9CM codes 070	292	4.5	9,626	148.9
Coronary Heart Disease	ICD-9CM codes 410-414,429.2	26,084	430.2	77,959	1310.8
Stroke	ICD-9CM codes 430-438	12,814	216.1	26,612	450.1
Asthma	ICD-9CM codes 493	4,677	77.2	27,664	451.9
Female Breast Cancer	ICD-9CM codes 174	1,243	38.0	2,615	80.1
Cervical Cancer	ICD-9CM codes 180	197	6.2	392	12.3
Colorectal Cancer	ICD-9CM codes 153.0-154.1, 159.0	2,594	43.3	3,878	64.8
Lung Cancer	ICD-9CM codes 162.2-162.9	2,378	40.1	6,513	109.4
Skin Cancer	ICD-9CM codes 172	78	1.3	255	4.2
Diabetes	ICD-9CM codes 250	6,120	99.4	76,732	1269.6
Motor Vehicle Crashes	ICD-9CM codes E810-E819	4,133	66.5	4,179	67.2
Drowning	ICD-9CM codes E830,E832,E910	54	0.9	57	0.9
Traumatic Brain Injuries	ICD-9CM codes 800-804, 850-851, 852.0-852.5, 853.0, 853.1, 854.0, 854.1, 959.01	3,027	49.8	4,559	74.7
Falls, People Age 65+	ICD-9CM codes E880-E886,E888	11,888	7391.2	12,087	7497.6
Suicide	ICD-9CM codes E950-E959	3,497	55.9	3,529	56.4
Homicide	ICD-9CM codes E960-E969	1,521	24.4	1,542	24.7
Poisoning	ICD-9CM codes E850-858, E860-E869, E950-E952, E962, E972, E980-E982	5,165	82.8	5,234	83.9

Notes: Hospitalization data are Year 2004 rates and counts including CHARS, Oregon, and VA data sources.

Unless otherwise specified, rates are age-adjusted, using Year 2000 standard, expressed as per 100,000.

Falls rates are age-specific expressed as per 100,000.

Falls exclude hospitalizations with a discharge status of deceased.

Table 2. Mortality Data for Causes of Death Included in *The Health of Washington State, 2007*

	Data definition	Death from the condition: Cases where condition is coded as "Underlying cause"		Death with the condition: Cases where condition is coded either as "Underlying" or "Contributing" cause	
		Count	Rate	Count	Rate
Total All Causes	All	46,015	746.2		
Drug-Induced	ICD-9 codes 292,304,305.2-305.9,E850-E858, E950.0-E950.5, E962.0, E980.0-E980.5 ; ICD-10 codes D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2 , E27.3, E66.1, F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2, J70.3, J70.4, L10.5, L27.0, L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R78.1, R78.2, R78.3, R78.4, R78.5, X40-X44, X60-X64, X85, Y10-Y14	921	14.2	9,049	149.0
Drug-Induced w/o Suicide	ICD-9 codes 292, 304, 305.2-305.9, E850-E858, E962.0, E980.0-E980.5; ICD-10 codes D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2 , E27.3, E66.1, F11.0-11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2, J70.3, J70.4, L10.5, L27.0, L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R78.1, R78.2, R78.3, R78.4, and R78.5, X40-X44, X85, Y10-Y14	782	12.0	8,891	146.6
Hepatitis	ICD-9 codes 070; ICD-10 codes B15-B19	158	2.3	357	5.3
Coronary Heart Disease	ICD-9 codes 410-414,429.2; ICD-10 codes I20-I25	7,734	125.3	11,123	181.1
Stroke with Vascular Dementia	ICD-9 codes 430-434,436-438; ICD-10 codes F01, I60-I69	3,167	51.6	5,576	90.9
Asthma	ICD-9 codes 493; ICD-10 codes J45-J46	83	1.3	226	3.6
Female Breast Cancer	ICD-9 codes 174; ICD-10 codes C50	791	23.1	1,009	29.2
Cervical Cancer	ICD-9 codes 180; ICD-10 codes C53	63	1.9	70	2.1

Table 2. Mortality Data for Causes of Death Included in *The Health of Washington State, 2007*

		Death from the condition: Cases where condition is coded as "Underlying cause"		Death with the condition: Cases where condition is coded either as "Underlying" or "Contributing" cause	
Colorectal Cancer	ICD-9 codes 153.0-154.1, 159.0; ICD-10 codes C18-C20, C26.0	942	15.3	1,151	18.8
Lung Cancer	ICD-9 codes 162.2-162.9; ICD-10 codes C34	3,117	51.7	3,355	55.8
Skin Cancer	ICD-9 codes 172; ICD-10 codes C43	170	2.7	193	3.1
Diabetes	ICD-9 codes 250; ICD-10 codes E10-E14	1,549	25.3	4,866	80.0
Motor Vehicle Crashes	ICD-9 codes E810-E819; ICD-10 codes V02-V04 (.1, .9), V09.2, V12-V14 (.3-.9), V19 (.4-.6), V20-V28 (.3-.9), V29 (.4-.9), V30-V39 (.4-.9), V40-V79 (.4-.9), V80 (.3-.5), V81.1, V82.1, V83-V86 (.0-.3), V87 (.0-.8), V89.2	721	11.4	733	11.6
Drowning	ICD-9 codes E830,E832,E910; ICD-10 codes W65-W74, V90,V92	104	1.7	106	1.7
Traumatic Brain Injuries	ICD-9 codes 800-801, 803-804, 850-854, 873, 9050, 9070; ICD-10 codes S01.0-S01.9, S02.0- S02.1,S02.3, S02.7-S02.9, S06.0-S06.9, S07.0, S07.1, S07.8, S07.9,S09.7-S09.9, T01.0, T02.0, T04.0, T06.0,T90.1,T90.2, T90.4, T90.5,T90.8,T90.9			1,304	20.7
Falls, People Age 65+	ICD-9 codes E880-E886,E888; ICD-10 codes W00-W19	491	339.1	720	503.4
Suicide	ICD-9 codes E950-E959; ICD-10 codes X60-X84,Y87.0	814	12.7	814	12.7
Homicide	ICD-9 codes E960-E969; ICD-10 codes X85-Y09,Y87.1	232	3.7	234	3.7
Poisoning	E950-E952, E962, E972, E980-E982; ICD-10 codes X40-X49, X60-X69, X85- X90, Y10-Y19, Y35.2	923	14.2	1,010	15.5

Notes: Mortality data are Year 2005 rates and counts.

Unless otherwise specified, rates are age-adjusted, using Year 2000 standard, expressed as per 100,000.

Falls rates are age-specific expressed as per 100,000.