

Comparability across revisions for selected causes

International classification of diseases (ICD) revision number and dates in use																					
Cause of death /1	1st 1900-1909		2nd 1910-1920		3rd 1921-1929		4th 1930-1938		5th 1939-1948		6th 1949-1957		7th 1958-1967		8th, adapted 1968-1978		9th 1979-1998		10th 1999-present		
	Code Nos.	Comparability ratio between ICD-1 and ICD-2	Code Nos.	Comparability ratio between ICD-2 and ICD-3	Code Nos.	Comparability ratio between ICD-3 and ICD-4	Code Nos.	Comparability ratio between ICD-4 and ICD-5	Code Nos.	Comparability ratio between ICD-5 and ICD-6	Code Nos.	Comparability ratio between ICD-6 and ICD-7	Code Nos.	Comparability ratio between ICD-7 and ICD-8	Code Nos.	Comparability ratio between ICD-8 and ICD-9	Code Nos.	Comparability ratio between ICD-9 and ICD-10	Code Nos.	Comparability ratio between ICD-9 and ICD-10	
		Source: vol 43(1-31)		vol 43(1-31)		vol 43(1-31)		vol 19(14) and vol 43(1-31)		vol 51(2-3) and vol 43(1-31)		vol 51(4)		ser 2(66) and MVSUR 17(8) Supp		MVSUR 28(11) Supp		ftp site (see below)			
Tuberculosis	26-34	NA	28-35	NA	31-37	NA	23-32	0.99	13-22	0.95	001-019	1.01	001-019	0.950 /p	010-019	0.7668	010-018	0.8809	A16-A19		
Typhoid fever	1	NA	1	NA	1a	NA	1	1.00	1	0.98	040	NA	040	NA	001	NA	002.0	NA	A01.0		
Measles	6	NA	6	NA	7	NA	7	1.00	35	0.98	085	0.92	085	NA	055	0.9167	055	NA	B05		
Whooping cough	8	NA	8	NA	9	NA	9	1.00	9	0.99	056	1.00	056	NA	033	0.8571	033	NA	A37		
Diphtheria	9	NA	9	NA	10	NA	10	0.98	10	0.97	055	0.88	055	NA	032	NA	032	NA	A36		
Enteritis and colitis, except diarrhea of newborn	13,105,106	NA	13,104,105	NA	15,113,114	NA	119,120	0.99	119,120	1.04	543,571,572	0.99	543,571,572	NA	009	NA	009	0.1227	NA	A09	
Intestinal infections	14	NA	14	NA	16	NA	13	1.00	27	1.06	045-048	0.97	571,764	1.185 /p	008,009	0.1821	007-009	0.8596	A04,A07-A09		
Meningococcal infections	61pt	NA	61c	NA	24	NA	18	1.19	6	1.02	057	0.99	057	NA	036	0.9788	036	0.9896	A39		
Acute poliomyelitis	NA	NA	63a	NA	22	NA	16	1.00	36	0.99	080	1.00	080	NA	040-043	0.5000	045	NA	A80		
Syphilis	36,62,67	NA	37,62,67	NA	38,72,76,91a	NA	34,80,83,96	0.94	30	0.72	020-029	1.03	020-029	0.322 /p	090-097	1.0089	090-097	0.7808	A50-A53		
Cancer	39-45,53	NA	39-45,53	NA	43-49,65	NA	45-53,72	1.00	44b,45-55,74	0.96	140-205										
	39-45	NA	39-45	NA	43-49	NA	45-53	0.96	45-55	1.01	140-205	0.99	140-205	1.0017	140-209	1.0026	140-208	1.0093	C00-C97		
Leukemia	53pt	NA	53pt	NA	65a	NA	72a	1.05	74	0.99	204	0.99	204	0.9974	204-207	1.0070	204-208	1.0104	C91-C95		
Hodgkin's disease	53pt	NA	53pt	NA	65b	NA	72b	0.94	44	0.96	201	NA	201	NA	201	NA	201	1.0028	C81		
Diabetes	50	NA	50	NA	57	NA	59	1.00	61	0.55	260	1.01	260	0.9971	250	0.9991	250	1.0193	E10-E14		
Major cardiovascular diseases	47,64-66,77-86,142	NA	47,64-66,77-85,142	NA	90,91b,c,92-96,151	NA	56,82,90-95,97-103	1.00	58,83,90-103	1.12	330-334,400-468	NA	330-448	0.999 /p	390-448	1.0069	390-448	0.9961	I00-I78,G45		
							56,82,90-95,97-103	0.95	58,83,90-95	1.18	330-334,400-468	1.01	330-334,400-468				390-434,436-448	0.9963	I00-I78		
Heart disease																					
	77-80	NA	77-80	NA	87-90	NA	90-95	0.97	90-95	1.08	410-443	1.00	400-402,410-443	1.0045	390-398,402,404,410-429	1.0126	390-398,402,404,410-429	0.9852	I00-I09,111,113,120-I51		
Acute rheumatic fever	47	NA	47	NA	51	NA	56	0.94	58	2.78	400-402	0.92	400-402	NA	390-392	NA	390-392	0.4386	I00-I02		
Hypertension	NA	NA	NA	NA	NA	102	102	0.99	102	6.54	444-447	1.33	444-447	0.820 /p	400,401,403	1.2703	401,403	1.1162	I10, I12		
Stroke	64-66,82	NA	64-66,82	NA	74,75,83	NA	82	0.99	83	1.16	330-334	1.00	330-334	0.9905	430-438	1.0049	430-438	1.0493	I60-I69,G45		
																	430-434,436-438	1.0502	I60-I69		
Atherosclerosis	NA	NA	NA	NA	NA	97	97	1.02	97	1.14	450	1.02	450	0.8963	440	1.0649	440	0.9658	I70		
Influenza and pneumonia	10,92,93	NA	10,91,92	NA	11,100,101	NA	11,107-109	1.00	33,107-109	0.90	480-493	0.94	480-493	1.0440	470-474,480-486	0.9264	480-487	0.6974	I10-I18		
Chronic respiratory diseases	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	241,501,502,527.1	NA	241,501,502,527.1	1.0034	490-493	1.8846	490-496	1.0411	J40-J47,J67		
																	490-494,496	1.0411	J40-J47		
Ulcer	103	NA	102	NA	111	NA	117	1.00	117	0.84	540,541	1.01	540,541	0.9856	531-533	1.1192	531-533	0.9819	K25-K28		
																	531-534	0.9711	K25-K28		
Chronic liver disease and cirrhosis	112	NA	113	NA	122	NA	124	1.00	124	0.80	581	0.99	581	1.0055	571	1.0110	571	1.0321	K70-K73,K74		
Kidney disease	118,120	NA	118,120	NA	128,129	NA	130-132	1.12	130-132	1.50	590-594	1.02	590-594	0.8862	580-584	1.7397	580-589	1.2555	N00-N07,N17-N19,N25-N27,Q00-Q09		
Congenital malformations	150	NA	150	NA	157	NA	157	1.00	157	0.96	750-759	0.98	750-759	1.0204	740-759	0.9984	740-759	0.8956	Q00-Q99		
Conditions originating in the perinatal period	NA	NA	NA	NA	NA	158-161	158-161	1.00	158-161	1.06	760-776	1.02	760-776	0.9183	760-769,2,769.4-772,774-778	1.0765	760-779	1.0756	P00-P96, A33		
																	760-771,2,771.4-779	1.0756	P00-P96		
Ill-defined conditions	154,177-179	NA	154,187-189	NA	164,204,205	NA	162,199,200	1.02	162,199,200	0.99	780-795	1.02	780-795	0.994 /p	780-796	0.9102	780-799	0.9753	R00-R99		
Accidents (unintentional injuries)	164-175,176pt	NA	165-181,185-186	NA	176-189,192-196,201,202pt,203	NA	176-195,201-214	1.00	169-195	0.95	E800-E962	0.97	E800-E962	0.9570	E800-E949	0.9970	E800-E949	1.0118	V01-X59,Y40-Y86,Y88		
																	E800-E869,E880-E929	1.0251	V01-X59,Y85-Y86		
Motor vehicle accidents	166pt	NA	175pt	NA	188pt	NA	206,208,210,211	0.99	170	1.00	E810-E835	1.00	E810-E835	0.9921	E810-E823	1.0117	E810-E825	0.9527	V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2,V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86,V87.0-V87.3,V88.0-V88.8,V89.0,V89.2		
All other accidents and adverse effects	164,165,166pt,167-175,176pt	NA	165-174,175pt,176-181,185,186	NA	176-187,188pt,189,192-196,201,202pt,203	NA	176,178-195,201-205,207,209,212-214	1.00	169,171-176,178-195	0.92	E800-E802,E840-E962	0.95	E800-E802,E840-E962	0.9250	E800-E807,E825-E949	0.9841	E800-E807,E826-E949	1.0253	V01,V05-V08,V09.1,V09.3-V11,V15-V18,V19.3,V19.7-V19.9,V80.0-V80.2,V80.5-V80.9,V81.2-V81.9,V82.2-V82.3,V87.9,V88.9,V89.1,V89.3-V89.9,V85-V86		
Suicide	155-163	NA	155-163	NA	165-174	NA	163-171	1.00	163,164	1.00	E963,E970-E979	1.03	E963,E970-E979	0.9472	E950-E959	1.0032	E950-E959	1.0022	X60-X84,Y87.0		
Homicide	176pt	NA	182-184	NA	197-200,202pt	NA	172-175,198	0.98	165-168,198	1.00	E964-E980-E985	1.00	E964-E980-E985	0.9969	E960-E978	1.0057	E960-E978	1.0009	X85-Y09,Y35,Y87.1,Y89.0		
																	E960-E969	1.0020	X85-Y09,Y87.1		

Sources: First through sixth revisions, "Death Rates by Age, Race, and Sex, United States, 1900-1953," Vital Statistics- Special Reports, vol. 43, Nos.1-31, Oct. 1956, Public Health Service, US Dept of HEW, Washington, D.C.; Fourth through Fifth Revision also Vital Statistics- Special Reports, vol. 19 (14), 1944; Fifth through Sixth Revision also Vital Statistics- Special Reports, vol 51(2-3), 1953-54 and vol 38(10), 1951; Sixth through Seventh, Vital Statistics- Special Reports, vol 51 (4), 1965; Seventh through Eighth, MVSUR 17(8) Supp., 1968 and Vital and Health Statistics, Series 2 (66), reprinted 1993; Eighth through Ninth, MVSUR 28(11), Supp., 1980; Ninth through Tenth, NVSR 49(2), 2001; excel and unpublished data available at http://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/Comparability/icd9_icd10/.

NA- not available
/p- preliminary
pt- part

See sources for complete titles for relevant ICD revision and for more complete information.