



Supplementary Materials

Table S1. International Classification of Diseases Code.

Causes of death	ICD-9-CM	ICD-10-CM
Infectious and parasitic diseases	001-139	A00-B99
Neoplasms	140-239	C00-D49
Malignant neoplasm of lip, oral cavity, and pharynx	140-149	C00-C14
Malignancy of digestive organs and peritoneum	150-159	C15-C26
Malignancy of respiratory and intrathoracic organs	160-165	C30-C39
Malignancy of bone, connective tissue, skin, and breast	170-176	C40-C41, C43-C44, C45-C49, C50
Malignancy of urinary organs	185-189	C64-C68
Malignancy of lymphatic and hematopoietic tissue	200-209	C81-C96
Other and unspecified sites	170-184, 190-199, 210-239	C51-C58, C60-63, C69-C72, C73-C75, C76-C80, C97, D00-D48
Endocrine, nutritional, metabolic, and immunity disorders	240-279	E00-E89
Diabetes mellitus	249-250	E10-E14
Disorders of thyroid gland	240-246, 251-259	E00-E07, E15-E16, E20-E35
Disorders of other endocrine glands	260-279	E40-E46, E50-E64, E65-E68, E70-E89
Blood and blood-forming organs	280-289	D50-D89
Mental disorders	290-319	F01-F99
Nervous system and sense organs	320-389	G00-G99, H00-H95
Circulatory system	390-459	I00-I99
Hypertensive disease	401-405	I10-I16
Ischemic heart disease	410-414	I20-I25
Other forms of heart disease	420-429	I30-I52
Cerebrovascular disease	430-438	I60-I69
Diseases of arteries, arterioles, and capillaries	440-449	I70-I79
Other diseases of circulatory system	390-398, 415-417, 451-459	I00-I02, I05-I09, I26-I28, I80-I89, I95-I99
Respiratory system	460-519	J00-J99
Pneumonia and influenza	480-488	J09-J18
Chronic obstructive pulmonary disease and allied conditions	490-496	J40-J47
Other diseases of respiratory system	460-466, 470-478, 500-508, 510-519	J00-J06, J20-J22, J30-J39, J60-J70, J80-J84, J85-J86, J90-J94, J95-J99
Digestive system	520-579	K00-K95
Diseases of esophagus, stomach, and duodenum	530-539	K20-K31
Diseases of intestines	555-558, 560, 562, 564, 565, 566, 569	K50-K52, K55-K64
Diseases of peritoneum and retroperitoneum	567-568	K65-K68

Diseases of liver	570-573	K70-K77
Disorders of gallbladder, biliary tract, and pancreas	574-577	K80-K87
Other diseases of digestive system	520-529, 540-543, 550-553, 578-579	K00-K14, K35-K38, K40-K46, K90-K95
Genitourinary system	580-629	N00-N99
Nephritis, nephrotic syndrome, and nephrosis	580-589	N00-N08, N10-16, N17-N19
Other diseases of urinary system	590-599	N20-N23, N25-N29, N30-N39, N99
Disorders of genital organ	600-608, 610-612, 614-616, 617-629	N40-N51, N60-N64, N70-N77, N80-N98
Skin and subcutaneous tissue	680-709	L00-L99
Musculoskeletal system and connective tissue	710-739	M00-M99
Congenital anomalies	740-759	Q00-Q99
Symptoms, signs, and ill-defined conditions	780-799	R00-R99
Accident	E800-929	V00-V99, W00-W99, X00-X58
Suicide and self-inflicted injury	E950-959	X71-X83
Homicide and injury purposely inflicted by other persons	E960-969	X92-X99, Y00-Y09
Drugs, medicinal and biological substances causing adverse effects in therapeutic use	E930-E949	Y62-Y69, Y70-Y82, Y83-Y84

ICD, CM = International Classification of Diseases, Clinical Modification.

Table S2. All-cause standardized mortality ratio (SMR) of peritoneal dialysis (PD) stratified by gender.

Causes of death	Male				Female			
	Observed	Expected	SMR	95%CI	Observed	Expected	SMR	95%CI
Total	1865	295.82	6.30	(6.02, 6.60)	1949	226.35	8.61	(8.23, 9.00)
Infectious and parasitic diseases	121	9.18	13.18	(10.94, 15.75)	112	6.80	16.47	(13.56, 19.82)
Neoplasms	240	98.24	2.44	(2.14, 2.77)	199	69.57	2.86	(2.48, 3.29)
Malignancy of digestive organs and peritoneum	108	42.01	2.57	(2.11, 3.10)	60	24.85	2.41	(1.84, 3.11)
Malignancy of respiratory and intrathoracic organs	39	19.15	2.04	(1.45, 2.78)	12	11.62	1.03	(0.53, 1.80)
Malignancy of bone, connective tissue, skin, and breast	4	1.07	3.75	(1.01, 9.60)	26	8.18	3.18	(2.07, 4.66)
Malignancy of urinary organs	33	3.17	10.40	(7.16, 14.6)	54	2.50	21.59	(16.22, 28.17)
Malignancy of lymphatic and hematopoietic tissue	14	4.21	3.33	(1.82, 5.58)	11	3.35	3.28	(1.63, 5.87)
Other and unspecified sites	42	15.4	2.73	(1.97, 3.69)	36	9.12	3.95	(2.77, 5.47)
Endocrine, nutritional, metabolic, and immunity disorders	419	17.28	24.25	(21.98, 26.68)	453	19.89	22.77	(20.73, 24.97)
Diabetes mellitus	415	15.94	26.03	(23.59, 28.66)	443	18.66	23.74	(21.58, 26.06)
Disorders of thyroid gland	1	0.21	4.70	(0.06, 26.15)	2	0.31	6.37	(0.72, 23.01)
Disorders of other endocrine glands	3	1.12	2.67	(0.54, 7.80)	8	0.91	8.74	(3.76, 17.23)
Blood and blood-forming organs	9	0.72	12.50	(5.70, 23.73)	6	0.75	7.99	(2.92, 17.39)
Mental disorders	5	2.01	2.49	(0.80, 5.80)	4	1.84	2.17	(0.59, 5.57)
Nervous system and sense organs	20	3.82	5.24	(3.20, 8.09)	16	3.25	4.92	(2.81, 7.99)

Circulatory system	565	64.04	8.82	(8.11, 9.58)	428	52.14	8.21	(7.45, 9.02)
Hypertensive disease	97	7.32	13.25	(10.75, 16.17)	94	7.75	12.13	(9.80, 14.84)
Ischemic heart disease	233	18.09	12.88	(11.28, 14.65)	153	12.16	12.58	(10.67, 14.74)
Cerebrovascular disease	116	21.55	5.38	(4.45, 6.46)	78	17.32	4.50	(3.56, 5.62)
Other diseases of circulatory system	119	17.08	6.97	(5.77, 8.34)	103	14.92	6.91	(5.64, 8.38)
Respiratory system	156	33.91	4.60	(3.91, 5.38)	146	20.87	7.00	(5.91, 8.23)
Pneumonia and influenza	112	16.72	6.70	(5.52, 8.06)	105	12.08	8.70	(7.11, 10.53)
Chronic obstructive pulmonary disease and allied conditions	12	12.22	0.98	(0.51, 1.72)	8	5.38	1.49	(0.64, 2.93)
Other diseases of respiratory system	32	4.97	6.43	(4.40, 9.08)	33	3.41	9.67	(6.65, 13.58)
Digestive system	228	19.94	11.44	(10.00, 13.02)	239	12.67	18.87	(16.55, 21.42)
Chronic liver disease and cirrhosis	44	9.50	4.63	(3.37, 6.22)	22	5.68	3.88	(2.43, 5.87)
Diseases of esophagus, stomach, and duodenum	8	1.36	5.88	(2.53, 11.60)	7	0.96	7.28	(2.92, 15.00)
Noninfective enteritis and colitis	2	0.21	9.51	(1.07, 34.35)	3	0.23	13.22	(2.66, 38.63)
Other diseases of digestive system	174	8.87	19.62	(16.82, 22.77)	207	5.80	35.68	(30.98, 40.88)
Genitourinary system	653	10.61	61.53	(56.90, 66.43)	802	13.85	57.91	(53.97, 62.06)
Nephritis, nephrotic syndrome, and nephrosis	634	7.57	83.80	(77.40, 90.58)	775	8.82	87.92	(81.83, 94.33)
Other diseases of urinary system	15	2.82	5.33	(2.98, 8.79)	27	4.96	5.44	(3.58, 7.91)
Disorders of genital organ	4	0.23	17.24	(4.64, 44.15)	0	0.07		
Skin and subcutaneous tissue	13	0.94	13.83	(7.36, 23.66)	17	1.02	16.6	(9.66, 26.58)
Musculoskeletal system and connective tissue	30	1.98	15.12	(10.20, 21.58)	46	2.46	18.73	(13.71, 24.98)
Congenital anomalies	2	0.12	17.01	(1.91, 61.41)	4	0.13	29.94	(8.06, 76.66)
Symptoms, signs, and ill-defined conditions	37	10.88	3.40	(2.39, 4.69)	29	9.35	3.10	(2.08, 4.45)
Accident	36	12.56	2.87	(2.01, 3.97)	28	5.94	4.71	(3.13, 6.81)
Suicide and self-inflicted injury	6	1.91	3.14	(1.15, 6.83)	2	1.51	1.32	(0.15, 4.77)
Homicide and injury purposely inflicted by other persons	1	0.25	4.05	(0.05, 22.53)	0	0.11	-	-
Drugs, medicinal and biological substances causing adverse effects in therapeutic use	8	0.15	54.84	(23.61, 108.05)	4	0.14	29.52	(7.94, 75.57)
Other	30	7.21	4.16	(2.81, 5.94)	25	3.93	6.37	(4.12, 9.4)

Table S3. All-cause standardized mortality ratio (SMR) of hemodialysis (HD) stratified by gender.

Causes of death	Male				Female			
	Observed	Expected	SMR	95%CI	Observed	Expected	SMR	95%CI
Total	36834	7758.39	4.75	(4.70, 4.80)	34649	6177.47	5.61	(5.55, 5.67)
Infectious and parasitic diseases	1357	256.70	5.29	(5.01, 5.58)	1369	190.71	7.18	(6.80, 7.57)
Neoplasms	4570	2315.09	1.97	(1.92, 2.03)	3466	1528.38	2.27	(2.19, 2.34)
Malignancy of digestive organs and peritoneum	2237	828.93	2.70	(2.59, 2.81)	1335	517.13	2.58	(2.44, 2.72)
Malignancy of respiratory and intrathoracic organs	601	424.35	1.42	(1.31, 1.53)	309	224.82	1.37	(1.23, 1.54)
Malignancy of bone, connective tissue, skin, and breast	57	21.72	2.62	(1.99, 3.40)	221	110.55	2.00	(1.74, 2.28)
Malignancy of urinary organs	696	76.28	9.12	(8.46, 9.83)	826	59.56	13.87	(12.94, 14.85)
Malignancy of lymphatic and hematopoietic tissue	193	91.07	2.12	(1.83, 2.44)	148	65.59	2.26	(1.91, 2.65)
Other and unspecified sites	786	284.27	2.76	(2.58, 2.97)	627	150.24	4.17	(3.85, 4.51)
Endocrine, nutritional, metabolic, and immunity disorders	6560	461.00	14.23	(13.89, 14.58)	7152	580.05	12.33	(12.05, 12.62)
Diabetes mellitus	6449	429.09	15.03	(14.66, 15.40)	7063	547.27	12.91	(12.61, 13.21)
Disorders of thyroid gland	26	5.22	4.98	(3.25, 7.30)	21	7.59	2.77	(1.71, 4.23)
Disorders of other endocrine glands	85	26.69	3.18	(2.54, 3.94)	68	25.20	2.70	(2.10, 3.42)
Blood and blood-forming organs	56	19.84	2.82	(2.13, 3.67)	73	20.75	3.52	(2.76, 4.42)
Mental disorders	28	55.76	0.50	(0.33, 0.73)	23	65.25	0.35	(0.22, 0.53)
Nervous system and sense organs	248	102.11	2.43	(2.14, 2.75)	205	86.15	2.38	(2.06, 2.73)
Circulatory system	7597	1772.95	4.28	(4.19, 4.38)	6427	1595.42	4.03	(3.93, 4.13)
Hypertensive disease	1170	205.49	5.69	(5.37, 6.03)	1082	241.73	4.48	(4.21, 4.75)
Ischemic heart disease	2831	491.46	5.76	(5.55, 5.98)	2113	366.01	5.77	(5.53, 6.02)
Cerebrovascular disease	1883	624.71	3.01	(2.88, 3.15)	1651	537.06	3.07	(2.93, 3.23)
Other diseases of circulatory system	1713	451.28	3.80	(3.62, 3.98)	1581	450.62	3.51	(3.34, 3.69)
Respiratory system	2684	1151.01	2.33	(2.24, 2.42)	1907	684.80	2.78	(2.66, 2.91)
Pneumonia and influenza	1836	560.45	3.28	(3.13, 3.43)	1396	398.40	3.50	(3.32, 3.69)
Chronic obstructive pulmonary disease and allied conditions	369	437.80	0.84	(0.76, 0.93)	165	183.62	0.90	(0.77, 1.05)
Other diseases of respiratory system	479	152.76	3.14	(2.86, 3.43)	346	102.77	3.37	(3.02, 3.74)
Digestive system	2365	442.55	5.34	(5.13, 5.56)	2182	347.24	6.28	(6.02, 6.55)
Chronic liver disease and cirrhosis	911	183.47	4.97	(4.65, 5.30)	581	140.52	4.13	(3.81, 4.49)
Diseases of esophagus, stomach, and duodenum	139	41.51	3.35	(2.82, 3.95)	104	30.77	3.38	(2.76, 4.10)
Noninfective enteritis and colitis	44	7.81	5.64	(4.09, 7.57)	79	8.56	9.23	(7.30, 11.50)
Other diseases of digestive system	1271	209.76	6.06	(5.73, 6.40)	1418	167.39	8.47	(8.04, 8.92)
Genitourinary system	9383	328.42	28.57	(27.99, 29.15)	10359	425.80	24.33	(23.86, 24.80)
Nephritis, nephrotic syndrome, and nephrosis	9163	227.09	40.35	(39.53, 41.19)	9952	261.68	38.03	(37.29, 38.79)
Other diseases of urinary system	199	93.06	2.14	(1.85, 2.46)	390	162.40	2.40	(2.17, 2.65)
Disorders of genital organ	21	8.28	2.54	(1.57, 3.88)	17	1.72	9.89	(5.76, 15.84)

Skin and subcutaneous tissue	203	29.16	6.96	(6.04, 7.99)	212	33.72	6.29	(5.47, 7.19)
Musculoskeletal system and connective tissue	285	51.10	5.58	(4.95, 6.26)	337	63.90	5.27	(4.73, 5.87)
Congenital anomalies	33	1.78	18.53	(12.75, 26.02)	34	1.93	17.65	(12.22, 24.67)
Symptoms, signs, and ill-defined conditions	500	347.08	1.44	(1.32, 1.57)	459	331.22	1.39	(1.26, 1.52)
Accident	706	253.64	2.78	(2.58, 3.00)	413	122.38	3.37	(3.06, 3.72)
Suicide and self-inflicted injury	138	46.07	3.00	(2.52, 3.54)	71	27.49	2.58	(2.02, 3.26)
Homicide and injury purposely inflicted by other persons	2	3.67	0.54	(0.06, 1.97)	4	1.48	2.71	(0.73, 6.94)
Drugs, medicinal and biological substances causing adverse effects in therapeutic use	83	2.85	29.15	(23.22, 36.13)	116	2.84	40.85	(33.75, 48.99)
Other	382	115.54	3.31	(2.98, 3.65)	325	64.76	5.02	(4.49, 5.60)

Table S4. All-cause standardized mortality ratio (SMR) of peritoneal dialysis (PD) stratified by age.

Causes of death	18-49 y/o				50-64 y/o				≥ 65 y/o			
	Obs.	Exp.	SMR	95%CI	Obs.	Exp.	SMR	95%CI	Obs.	Exp.	SMR	95%CI
Total	407	31.49	12.93	(11.70, 14.25)	1284	131.62	9.76	(9.23, 10.30)	2123	359.06	5.91	(5.66, 6.17)
Infectious and parasitic diseases	19	0.74	25.68	(15.45, 40.11)	76	3.06	24.84	(19.57, 31.09)	138	12.18	11.33	(9.52, 13.39)
Neoplasms	54	10.27	5.26	(3.95, 6.86)	165	57.29	2.88	(2.46, 3.35)	220	100.25	2.19	(1.91, 2.50)
Malignancy of digestive organs and peritoneum	15	3.44	4.36	(2.44, 7.20)	71	22.75	3.12	(2.44, 3.94)	82	40.68	2.02	(1.60, 2.50)
Malignancy of respiratory and intrathoracic organs	4	1.12	3.57	(0.96, 9.14)	15	9.23	1.63	(0.91, 2.68)	32	20.41	1.57	(1.07, 2.21)
Malignancy of bone, connective tissue, skin, and breast	7	1.10	6.36	(2.55, 13.11)	12	4.58	2.62	(1.35, 4.58)	11	3.57	3.08	(1.54, 5.51)
Malignancy of urinary organs	12	0.12	99.51	(51.36, 173.83)	30	1.26	23.73	(16.01, 33.87)	45	4.29	10.49	(7.65, 14.04)
Malignancy of lymphatic and hematopoietic tissue	4	0.46	8.77	(2.36, 22.46)	11	2.23	4.94	(2.46, 8.83)	10	4.88	2.05	(0.98, 3.77)
Other and unspecified sites	12	2.45	4.91	(2.53, 8.57)	26	10.34	2.52	(1.64, 3.69)	40	11.73	3.41	(2.44, 4.64)
Endocrine, nutritional, metabolic, and immunity disorders	85	1.04	82.00	(65.50, 101.40)	353	7.91	44.61	(40.08, 49.52)	434	28.22	15.38	(13.97, 16.90)
Diabetes mellitus	84	0.81	103.71	(82.72, 128.40)	348	7.27	47.9	(42.99, 53.20)	426	26.53	16.06	(14.57, 17.66)
Disorders of thyroid gland	1	0.06	17.38	(0.23, 96.72)	0	0.14	-	-	2	0.33	6.03	(0.68, 21.75)
Disorders of other endocrine glands	0	0.17	-	-	5	0.51	9.81	(3.16, 22.90)	6	1.36	4.41	(1.61, 9.60)
Blood and blood-forming organs	4	0.09	43.36	(11.67, 111.01)	6	0.31	19.49	(7.12, 42.42)	5	1.07	4.67	(1.50, 10.89)
Mental disorders	0	0.36	-	-	1	0.71	1.42	(0.02, 7.88)	8	2.79	2.87	(1.24, 5.66)
Nervous system and sense organs	8	0.49	16.49	(7.10, 32.49)	12	1.54	7.77	(4.01, 13.58)	16	5.04	3.18	(1.81, 5.16)
Circulatory system	140	4.49	31.18	(26.23, 36.79)	387	23.57	16.42	(14.83, 18.14)	466	88.12	5.29	(4.82, 5.79)
Hypertensive disease	35	0.36	97.17	(67.67, 135.15)	61	2.53	24.13	(18.45, 30.99)	95	12.18	7.80	(6.31, 9.53)
Ischemic heart disease	34	0.91	37.39	(25.89, 52.26)	162	6.40	25.31	(21.56, 29.52)	190	22.94	8.28	(7.15, 9.55)
Cerebrovascular disease	37	1.44	25.66	(18.07, 35.37)	84	7.72	10.88	(8.68, 13.47)	73	29.71	2.46	(1.93, 3.09)
Other diseases of circulatory system	34	1.78	19.12	(13.24, 26.71)	80	6.92	11.56	(9.17, 14.39)	108	23.30	4.64	(3.80, 5.60)
Respiratory system	28	0.92	30.37	(20.18, 43.90)	79	5.99	13.18	(10.44, 16.43)	195	47.87	4.07	(3.52, 4.69)
Pneumonia and influenza	20	0.52	38.49	(23.5, 59.45)	53	3.22	16.48	(12.34, 21.55)	144	25.06	5.75	(4.85, 6.77)

Chronic obstructive pulmonary disease and allied conditions	1	0.17	5.91	(0.08, 32.86)	4	1.51	2.65	(0.71, 6.79)	15	15.92	0.94	(0.53, 1.55)
Other diseases of respiratory system	7	0.23	30.05	(12.04, 61.91)	22	1.27	17.35	(10.87, 26.27)	36	6.89	5.23	(3.66, 7.24)
Digestive system	59	3.62	16.30	(12.41, 21.03)	167	10.08	16.57	(14.15, 19.28)	241	18.90	12.75	(11.19, 14.47)
Chronic liver disease and cirrhosis	12	1.98	6.08	(3.14, 10.61)	23	5.82	3.95	(2.50, 5.93)	31	7.38	4.20	(2.85, 5.97)
Diseases of esophagus, stomach, and duodenum	2	0.09	23.38	(2.63, 84.42)	4	0.44	9.13	(2.46, 23.37)	9	1.80	5.01	(2.29, 9.51)
Noninfective enteritis and colitis	2	0.02	126.61	(14.22, 457.12)	2	0.08	25.61	(2.88, 92.47)	1	0.34	2.91	(0.04, 16.21)
Other diseases of digestive system	43	1.54	27.88	(20.18, 37.56)	138	3.74	36.90	(31.00, 43.59)	200	9.39	21.31	(18.46, 24.48)
Genitourinary system	135	0.45	300.78	(252.18, 356.01)	486	3.83	126.75	(115.73, 138.54)	834	20.18	41.33	(38.57, 44.23)
Nephritis, nephrotic syndrome, and nephrosis	131	0.35	379.68	(317.44, 450.54)	474	3.01	157.24	(143.40, 172.05)	804	13.02	61.74	(57.55, 66.16)
Other diseases of urinary system	3	0.09	31.81	(6.39, 92.93)	10	0.78	12.86	(6.16, 23.65)	29	6.91	4.20	(2.81, 6.03)
Disorders of genital organ	1	0.01	105.45	(1.38, 586.71)	2	0.04	47.48	(5.33, 171.44)	1	0.25	3.99	(0.05, 22.22)
Skin and subcutaneous Tissue	6	0.07	83.78	(30.59, 182.37)	6	0.32	18.91	(6.91, 41.16)	18	1.58	11.43	(6.77, 18.06)
Musculoskeletal system and connective tissue	36	0.29	124.90	(87.47, 172.92)	24	1.05	22.79	(14.60, 33.92)	16	3.10	5.16	(2.95, 8.38)
Congenital anomalies	0	0.06	-	-	1	0.11	9.34	(0.12, 51.96)	5	0.08	62.67	(20.20, 146.24)
Symptoms, signs, and ill-defined conditions	11	1.35	8.18	(4.08, 14.63)	23	3.45	6.66	(4.22, 10.00)	32	15.44	2.07	(1.42, 2.93)
Accident	12	3.45	3.48	(1.80, 6.08)	28	6.59	4.25	(2.82, 6.14)	24	8.46	2.84	(1.82, 4.22)
Suicide and self-inflicted injury	2	0.98	2.05	(0.23, 7.40)	5	1.39	3.61	(1.16, 8.42)	1	1.06	0.94	(0.01, 5.23)
Homicide and injury purposely inflicted by other persons	0	0.13	-	-	1	0.16	6.30	(0.08, 35.03)	0	0.06	-	-
Drugs, medicinal and biological substances causing adverse effects in therapeutic use	1	0.02	51.02	(0.67, 283.89)	6	0.09	68.56	(25.04, 149.23)	5	0.17	28.69	(9.25, 66.95)
Other	8	2.68	2.99	(1.29, 5.88)	25	4.14	6.04	(3.91, 8.92)	22	4.32	5.09	(3.19, 7.71)

Table S5. All-cause standardized mortality ratio (SMR) of hemodialysis (HD) stratified by age.

Causes of death	18-49 y/o				50-64 y/o				≥ 65 y/o			
	Obs.	Exp.	SMR	95%CI	Obs.	Exp.	SMR	95%CI	Obs.	Exp.	SMR	95%CI
Total	3138	221.37	14.18	(13.68, 14.68)	16782	1597.85	10.50	(10.34, 10.66)	51563	12116.62	4.26	(4.22, 4.29)
Infectious and Parasitic Diseases	94	4.85	19.39	(15.67, 23.73)	560	34.80	16.09	(14.79, 17.48)	2072	407.76	5.08	(4.86, 5.31)
Neoplasms	345	70.00	4.93	(4.42, 5.48)	1976	677.26	2.92	(2.79, 3.05)	5715	3096.21	1.85	(1.80, 1.89)
Malignancy of digestive organs and peritoneum	137	18.65	7.34	(6.17, 8.68)	937	230.30	4.07	(3.81, 4.34)	2498	1097.10	2.28	(2.19, 2.37)
Malignancy of respiratory and intrathoracic organs	28	5.59	5.01	(3.33, 7.24)	187	90.24	2.07	(1.79, 2.39)	695	553.34	1.26	(1.16, 1.35)
Malignancy of bone, connective tissue, skin, and breast	17	4.13	4.12	(2.40, 6.59)	92	37.86	2.43	(1.96, 2.98)	169	90.29	1.87	(1.60, 2.18)
Malignancy of urinary organs	61	0.61	99.57	(76.16, 127.91)	302	12.56	24.05	(21.41, 26.92)	1159	122.67	9.45	(8.91, 10.01)
Malignancy of lymphatic and hematopoietic tissue	24	2.16	11.14	(7.13, 16.57)	82	21.70	3.78	(3.01, 4.69)	235	132.80	1.77	(1.55, 2.01)
Other and unspecified sites	78	12.87	6.06	(4.79, 7.57)	376	102.11	3.68	(3.32, 4.07)	959	319.54	3.00	(2.81, 3.20)
Endocrine, nutritional, metabolic, and immunity disorders	605	7.36	82.25	(75.82, 89.07)	3984	100.99	39.45	(38.23, 40.69)	9123	932.71	9.78	(9.58, 9.98)
Diabetes mellitus	591	6.03	97.98	(90.24, 106.21)	3932	93.75	41.94	(40.64, 43.27)	8989	876.57	10.25	(10.04, 10.47)
Disorders of thyroid gland	2	0.31	6.55	(0.74, 23.65)	7	1.53	4.58	(1.84, 9.44)	38	10.97	3.46	(2.45, 4.75)

Disorders of other endocrine glands	12	1.02	11.78	(6.08, 20.57)	45	5.71	7.89	(5.75, 10.55)	96	45.17	2.13	(1.72, 2.60)
Blood and blood-forming organs	8	0.54	14.71	(6.33, 28.98)	32	3.55	9.00	(6.16, 12.71)	89	36.49	2.44	(1.96, 3.00)
Mental disorders	1	2.38	0.42	(0.01, 2.34)	6	8.16	0.73	(0.27, 1.60)	44	110.46	0.40	(0.29, 0.53)
Nervous system and sense organs	41	3.06	13.41	(9.63, 18.20)	120	17.76	6.76	(5.60, 8.08)	292	167.44	1.74	(1.55, 1.96)
Circulatory system	681	31.16	21.85	(20.24, 23.56)	3528	288.01	12.25	(11.85, 12.66)	9815	3049.19	3.22	(3.16, 3.28)
Hypertensive disease	94	2.17	43.29	(34.98, 52.98)	495	27.85	17.77	(16.24, 19.41)	1663	417.20	3.99	(3.80, 4.18)
Ischemic heart disease	158	6.47	24.41	(20.75, 28.53)	1243	77.98	15.94	(15.07, 16.85)	3543	773.02	4.58	(4.43, 4.74)
Cerebrovascular disease	268	10.89	24.60	(21.74, 27.73)	1084	101.29	10.70	(10.07, 11.36)	2182	1049.59	2.08	(1.99, 2.17)
Other diseases of circulatory system	161	11.62	13.85	(11.79, 16.17)	706	80.89	8.73	(8.10, 9.40)	2427	809.39	3.00	(2.88, 3.12)
Respiratory system	94	6.28	14.96	(12.09, 18.30)	639	71.24	8.97	(8.29, 9.69)	3858	1758.29	2.19	(2.13, 2.26)
Pneumonia and influenza	60	3.44	17.42	(13.29, 22.42)	440	36.90	11.92	(10.84, 13.09)	2732	918.51	2.97	(2.86, 3.09)
Chronic obstructive pulmonary disease and allied conditions	6	1.27	4.71	(1.72, 10.25)	42	19.40	2.17	(1.56, 2.93)	486	600.75	0.81	(0.74, 0.88)
Other diseases of respiratory system	28	1.57	17.89	(11.89, 25.86)	157	14.95	10.50	(8.92, 12.28)	640	239.02	2.68	(2.47, 2.89)
Digestive system	251	28.03	8.95	(7.88, 10.13)	1137	129.46	8.78	(8.28, 9.31)	3159	632.29	5.00	(4.82, 5.17)
Chronic liver disease and cirrhosis	120	17.07	7.03	(5.83, 8.41)	495	78.46	6.31	(5.77, 6.89)	877	228.46	3.84	(3.59, 4.10)
Diseases of esophagus, stomach, and duodenum	9	0.68	13.33	(6.08, 25.31)	53	5.86	9.05	(6.78, 11.84)	181	65.75	2.75	(2.37, 3.18)
Noninfective enteritis and colitis	2	0.12	17.00	(1.91, 61.37)	27	1.17	23.08	(15.21, 33.58)	94	15.08	6.23	(5.04, 7.63)
Other diseases of digestive system	120	10.17	11.80	(9.78, 14.11)	562	43.98	12.78	(11.74, 13.88)	2007	323.00	6.21	(5.94, 6.49)
Genitourinary system	832	3.15	264.15	(246.5, 282.72)	3943	46.41	84.96	(82.33, 87.65)	14967	704.66	21.24	(20.90, 21.58)
Nephritis, nephrotic syndrome, and nephrosis	813	2.50	325.55	(303.56, 348.72)	3849	37.12	103.69	(100.44, 107.02)	14453	449.15	32.18	(31.66, 32.71)
Other diseases of urinary system	18	0.59	30.37	(17.99, 48.01)	81	8.79	9.22	(7.32, 11.46)	490	246.08	1.99	(1.82, 2.18)
Disorders of genital organ	1	0.06	16.70	(0.22, 92.90)	13	0.50	25.77	(13.71, 44.06)	24	9.43	2.54	(1.63, 3.79)
Skin and subcutaneous tissue	33	0.66	50.12	(34.49, 70.38)	96	4.17	23.01	(18.64, 28.10)	286	58.04	4.93	(4.37, 5.53)
Musculoskeletal system and connective tissue	101	1.54	65.43	(53.29, 79.5)	173	11.25	15.38	(13.17, 17.85)	348	102.20	3.41	(3.06, 3.78)
Congenital anomalies	5	0.37	13.55	(4.37, 31.61)	31	1.11	27.86	(18.92, 39.54)	31	2.23	13.93	(9.46, 19.77)
Symptoms, signs, and ill-defined conditions	59	11.16	5.29	(4.02, 6.82)	213	47.09	4.52	(3.94, 5.17)	687	620.05	1.11	(1.03, 1.19)
Accident	96	25.75	3.73	(3.02, 4.55)	377	86.24	4.37	(3.94, 4.84)	646	264.03	2.45	(2.26, 2.64)
Suicide and self-inflicted injury	32	9.44	3.39	(2.32, 4.79)	96	23.35	4.11	(3.33, 5.02)	81	40.77	1.99	(1.58, 2.47)
Homicide and injury purposely inflicted by other persons	0	1.04	-	-	2	2.07	0.97	(0.11, 3.49)	4	2.04	1.96	(0.53, 5.03)
Drugs, medicinal and biological substances causing adverse effects in therapeutic use	14	0.10	139.26	(76.07, 233.66)	47	0.87	54.32	(39.91, 72.24)	138	4.72	29.23	(24.55, 34.53)
Other	34	14.48	2.35	(1.63, 3.28)	187	43.69	4.28	(3.69, 4.94)	486	122.13	3.98	(3.63, 4.35)