

S1Table Cause of death in dementia and control group

Cause of death	Codes	Total participants	
		Parkinson (n = 3,510)	Control (n = 14,040)
Infection	A00-B99		
Intestinal Infectious Diseases	A00-A09	6	9
Tuberculosis	A15-A19	3	25
Certain Zoonotic Bacterial diseases	A20-A28	0	0
Other bacterial diseases	A30- A49	13	26
Infections with a predominantly sexual mode of transmission	A50-A64	0	0
Other spirochaetal diseases	A65-A69	0	0
Other diseases caused by chlamydiae	A70-A74	0	0
Rickettsioses	A75-A79	0	2
Viral infections of the central nervous system	A80-A89	0	0
Arthropod-borne viral fevers and viral hemorrhagic fevers	A92-A99	0	0
Viral infections characterized by skin and mucous membrane lesions	B00-B09	0	2
Viral hepatitis	B15-B19	1	9
Human immunodeficiency virus[HIV] disease	B20-B24	0	0
Other viral diseases	B25-B34	0	0
Mycoses	B35-B49	0	0
Protozoal diseases	B50-B64	0	0
Helminthiases	B65-B83	0	0
Pediculosis, acariasis and other infestations	B85-B89	0	0
Sequelae of infectious and parasitic diseases	B90-B94	0	1
Bacterial, viral and other infectious agents	B95-B98	0	0
Other infectious diseases	B99	0	0
Neoplasm	C00-D48		
Malignant neoplasm of lip, oral cavity and pharynx	C00-C14	5	5
Malignant neoplasms of digestive organs	C15-C26	67	366
Malignant neoplasms of respiratory and intrathoracic organs	C30-C39	28	158
Malignant neoplasm of bone and articular cartilage	C40-C41	1	2
Melanoma and other malignant neoplasms of skin	C43-C44	1	1
Malignant neoplasms of mesothelial and soft tissue	C45-C49	1	5
Malignant neoplasm of breast	C50	2	3
Malignant neoplasm of female genital organs	C51-C58	8	11
Malignant neoplasm of male genital organs	C60-C63	4	29
Malignant neoplasm of urinary tract	C64-C68	4	28
Malignant neoplasm of eye, brain and other parts of central nervous system	C69-C72	1	6
Malignant neoplasm of thyroid and other endocrine gland	C73-C75	3	5
Malignant neoplasm of ill-defined, secondary and unspecified sites	C76-C80	8	11
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96	10	26
Malignant neoplasm of independent (primary) multiple sites	C97	1	2
In situ neoplasms	D00-D09	0	1

Benign neoplasms	D10-D36	1	2
Neoplasms of uncertain or unknown behaviour	D37-D48	6	6
Metabolic disease	E00-E90		
Disorders of thyroid gland	E00-E07	1	0
Diabetes mellitus	E10-E14	71	154
Other disorders of glucose regulation and pancreatic internal secretion	E15-E16	0	0
Disorders of other endocrine glands	E20-E35	2	0
Malnutrition	E40-E46	0	1
Other nutritional deficiencies	E50-E64	1	0
Obesity and other hyperalimentation	E65-E68	0	0
Metabolic disorders	E70-E90	1	6
Mental disease	F00-F99		
Organic, including symptomatic mental disorders	F00-F09	29	46
Mental and behavioral disorders due to psychoactive substance use	F10-F19	2	3
Schizophrenia, schizotypal and delusional disorders	F20-F29	2	0
Mood[<i>affective</i>] disorders	F30-F39	0	0
Neurotic, stress-related and somatoform disorders	F40-F48	0	0
Behavioral syndromes associated with physiological disturbances and	F50-F59	0	0
	F60-F69	0	0
	F70-F79	0	0
	F80-F89	0	0
	F90-F98	0	0
	F99	0	0
Neurologic disease	G00-G99		
Inflammatory diseases of the central nervous system	G00-G09	1	1
Systemic atrophies primarily affecting the central nervous system	G10-G14	4	3
Extrapyramidal and movement disorders	G20-G26	294	7
Other degenerative diseases of the nervous system	G30-G32	22	51
Demyelinating diseases of the central nervous system	G35-G37	0	0
Episodic and paroxysmal disorders	G40-G47	1	4
Nerve, nerve root and plexus disorders	G50-G59	0	0
Polyneuropathies and other disorders of the peripheral nervous system	G60-G64	0	1
Diseases of myoneural junction and muscle	G70-G73	0	0
Cerebral palsy and other paralytic syndromes	G80-G83	1	1
Other disorders of the nervous system	G90-G99	5	1
Circulatory disease	I00-I99		
Acute rheumatic fever	I00-I02	0	0
Chronic rheumatic heart diseases	I05-I09	0	3
Hypertensive diseases	I10-I15	31	75
Ischemic heart diseases	I20-I25	54	148
Pulmonary heart disease and diseases of pulmonary circulation	I26-I28	1	5
Other forms of heart disease	I30-I52	39	102
Cerebrovascular diseases	I60-I69	150	359
Diseases of arteries, arterioles and capillaries	I70-I79	2	13

Diseases of veins, lymphatic vessels and lymph nodes, NEC	I80-I89	0	0
Other and unspecified disorders of the circulatory system	I95-I99	0	0
Respiratory disease	J00-J99		
Acute upper respiratory infections	J00-J06	0	0
Influenza and pneumonia	J09-J18	48	105
Other acute lower respiratory infections	J20-J22	0	0
Other diseases of upper respiratory tract	J30-J39	0	0
Chronic lower respiratory diseases	J40-J47	31	106
Lung diseases due to external agents	J60-J70	13	20
Other respiratory diseases principally affecting the interstitium	J80-J84	3	11
Suppurative and necrotic conditions of lower respiratory tract	J85-J86	1	1
Other diseases of pleura	J90-J94	0	0
Other diseases of the respiratory system	J95-J99	1	5
Digestive disease	K00-K93		
Diseases of oral cavity, salivary glands and jaws	K00-K14	0	0
Diseases of oesophagus, stomach and duodenum	K20-K31	3	12
Disease of appendix	K35-K38	0	0
Hernia	K40-K46	0	0
Noninfective enteritis and colitis	K50-K52	1	0
Other diseases of intestines	K55-K64	7	12
Diseases of peritoneum	K65-K67	0	2
Diseases of liver	K70-K77	10	35
Disorders of gallbladder, biliary tract and pancreas	K80-K87	4	21
Other diseases of the digestive system	K90-K93	5	6
Muscular disease	M00-M99		
Infectious arthropathies	M00-M03	0	0
Inflammatory polyarthropathies	M05-M14	2	3
Arthrosis	M15-M19	0	0
Other joint disorders	M20-M25	0	0
Systemic connective tissue disorder	M30-M36	0	1
Deformin dorsopathies	M40-M43	0	0
Spondylopathies	M45-M49	1	0
Other dorsopathies	M50-M54	0	1
Disorders of muscles	M60-M63	0	2
Disorders of synovium and tendon	M65-M68	0	0
Other soft tissue disorders	M70-M79	0	1
Disorders of bone density and structure	M80-M85	5	6
Other osteopathies	M86-M90	0	1
Chondropathies	M91-M94	0	0
Other disorders of the musculoskeletal system and connective tissue	M95-M99	0	0
Genitourinary disease	N00-N99		
Glomerular diseases	N00-N08	0	0
Renal tubulo-interstitial diseases	N10-N16	2	4
Renal failure	N17-N19	18	38

Urolithiasis	N20-N23	1	0
Other disorders of kidney and ureter	N25-N29	0	0
Other diseases of the urinary system	N30-N39	4	5
Diseases of male genital organs	N40-N51	0	3
Disorders of breast	N60-N64	0	0
Inflammatory diseases of female pelvic organs	N70-N77	0	0
Noninflammatory disorders of female genital tract	N80-N98	0	0
Other disorders of the genitourinary system	N99	0	0
Abnormal finding	R00-R99		
Symptoms and signs involving the circulatory and respiratory systems	R00-R09	9	15
Symptoms and signs involving the digestive system and abdomen	R10-R19	0	0
Symptoms and signs involving the skin and subcutaneous tissue	R20-R23	0	0
symptoms and signs involving the nervous and musculoskeletal systems	R25-R29	0	0
symptoms and signs involving the urinary system	R30-R39	0	0
Symptoms and signs involving cognition, perception, emotional state and behaviour	R40-R46	0	0
Symptoms and signs involving speech and voice	R47-R49	0	0
General symptoms and signs	R50-R69	71	266
Abnormal findings on examination of blood, without diagnosis	R70-R79	0	0
Abnormal findings on examination of urine, without diagnosis	R80-R82	0	0
Abnormal findings on examination of other body fluids, substances and tissues, without diagnosis	R83-R89	0	0
Abnormal findings on diagnostic imaging and in function studies, without diagnosis	R90-R94	0	0
Ill-defined and unknown causes of mortality	R95-R99	5	48
Trauma	S00-T98		
Injuries to the head	S00-S09	10	32
Injuries to the neck	S10-S19	0	1
Injuries to the thorax	S20-S29	2	12
Injuries to the abdomen, lower back, lumbar spine and pelvis	S30-S39	0	3
Injuries to the shoulder and upper arm	S40-S49	0	1
Injuries to the elbow and forearm	S50-S59	1	0
Injuries to the wrist and hand	S60-S69	0	0
Injuries to the hip and thigh	S70-S79	7	16
Injuries to the knee and lower leg	S80-S89	0	2
Injuries to the ankle and foot	S90-S99	0	0
Injuries involving multiple body regions	T00-T07	7	17
Injuries to unspecified part of trunk, limb or body region	T08-T14	3	8
Effects of foreign body entering through natural orifice	T15-T19	6	2
Burns and corrosions of external body surface, specified by site	T20-T25	0	0
Burn and corrosions confined to eye and internal organs	T26-T28	0	1
Burns and corrosions of multiple and unspecified of multiple and unspecified body regions	T29-T32	2	0
Frostbite	T33-T35	0	0

Poisoning by drugs, medicaments and biological substances	T36-T50	1	1
Toxic effects of substances chiefly nonmedicinal as to source	T51-T65	6	23
Other and unspecified effects of external causes	T66-T78	18	33
Certain early complications of trauma	T79	0	0
Complications of surgical and medical care, NEC	T80-T88	1	0
Sequelae of injuries, of poisoning and of other consequences of external causes	T90-T98	0	2
Others	D50-D89, L00-L99		
Nutritional anemias	D50-D53	0	0
Hemolytic anemias	D55-D59	0	0
Aplastic and other anemias	D60-D64	1	3
Coagulation defect, purpura and other hemorrhage conditions	D65-D69	1	0
Other disease of blood and blood-forming organs	D70-D77	1	3
Certain disorders involving the immune mechanism	D80-D89	0	2
Other disorders of the skin and subcutaneous tissue	L80-L99	2	1
missing		12	2