

SUPPLEMENTAL TABLE 1. Conversion from Clinical Classification Codes (CCC) to the modified disease groups used in this study

Clinical Classification Codes (CCC)		Disease groups used in this study		Number of persons affected
Code	Description	Code	Description	
1	Tuberculosis	1	Tuberculosis	66
5	HIV infection	2	HIV infection	15
6	Hepatitis	3	Hepatitis	121
11	Cancer of head and neck	4	Cancer	688
12	Cancer of esophagus	4	Cancer	
13	Cancer of stomach	4	Cancer	
14	Cancer of colon	4	Cancer	
15	Cancer of rectum and anus	4	Cancer	
16	Cancer of liver and intrahepatic bile duct	4	Cancer	
17	Cancer of pancreas	4	Cancer	
18	Cancer of other gastrointestinal organs; peritoneum	4	Cancer	
19	Cancer of bronchus; lung	4	Cancer	
20	Cancer; other respiratory and intrathoracic	4	Cancer	
21	Cancer of bone and connective tissue	4	Cancer	
22	Melanomas of skin	4	Cancer	
23	Other non-epithelial cancer of skin	4	Cancer	
32	Cancer of bladder	4	Cancer	
33	Cancer of kidney and renal pelvis	4	Cancer	
34	Cancer of other urinary organs	4	Cancer	
35	Cancer of brain and nervous system	4	Cancer	
36	Cancer of thyroid	4	Cancer	
37	Hodgkin's disease	4	Cancer	
38	Non-Hodgkin's lymphoma	4	Cancer	
39	Leukemias	4	Cancer	
40	Multiple myeloma	4	Cancer	
41	Cancer; other and unspecified primary	4	Cancer	
42	Secondary malignancies	4	Cancer	
43	Malignant neoplasm without specification of site	4	Cancer	
24	Cancer of breast	4	Cancer	
25	Cancer of uterus	4	Cancer	
26	Cancer of cervix	4	Cancer	
27	Cancer of ovary	4	Cancer	
28	Cancer of other female genital organs	4	Cancer	
29	Cancer of prostate	4	Cancer	
30	Cancer of testis	4	Cancer	
31	Cancer of other male genital organs	4	Cancer	

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Clinical Classification Codes (CCC)		Disease groups used in this study		Number of persons affected
Code	Description	Code	Description	
48	Thyroid disorders	5	Thyroid disorders	761
49	Diabetes mellitus without complication	6	Diabetes	1,460
50	Diabetes mellitus with complications	6	Diabetes	
51	Other endocrine disorders	7	Other endocrine disorders	2,574
58	Other nutritional disorders	7	Other endocrine disorders	
53	Disorders of lipid metabolism	8	Disorders of lipid metabolism	1,662
54	Gout and other crystal arthropathies	9	Gout and other crystal arthropathies	188
56	Cystic fibrosis	10	Cystic fibrosis	3
59	Deficiency and other anemia	11	Deficiency and other anemia	870
61	Sickle cell anemia	12	Sickle cell anemia	0
62	Coagulation and hemorrhagic disorders	13	Coagulation and hemorrhagic disorders	0
63	Diseases of white blood cells	14	Hematologic other disorders	674
64	Other hematologic conditions	14	Hematologic other disorders	
79	Parkinson`s disease	15	Chronic neurologic disorders	2,090
80	Multiple sclerosis	15	Chronic neurologic disorders	
81	Other hereditary and degenerative nervous system conditions	15	Chronic neurologic disorders	
95	Other nervous system disorders	15	Chronic neurologic disorders	
653	Delirium, dementia, and amnestic and other cognitive disorders	15	Chronic neurologic disorders	
82	Paralysis	16	Paralysis	64
83	Epilepsy; convulsions	17	Epilepsy; convulsions	164
84	Headache; including migraine	18	Headaches; including migraine	1,817
93	Conditions associated with dizziness or vertigo	19	Conditions associated with dizziness or vertigo	1,060
96	Heart valve disorders	20	Heart valve disorders	429
98	Essential hypertension	21	Hypertension	1,544
99	Hypertension with complications and secondary hypertension	21	Hypertension	
101	Coronary atherosclerosis and other heart disease	22	Ischemic heart disease	584
104	Other and ill-defined heart disease	22	Ischemic heart disease	
103	Pulmonary heart disease	23	Heart failure	308
108	Congestive heart failure; nonhypertensive	23	Heart failure	
105	Conduction disorders	24	Arrhythmias	1,673
106	Cardiac dysrhythmias	24	Arrhythmias	
110	Occlusion or stenosis of precerebral arteries	25	Central nervous system vascular ischemia	102
112	Transient cerebral ischemia	25	Central nervous system vascular ischemia	
114	Peripheral and visceral atherosclerosis	26	Peripheral and central vascular disorders	359
115	Aortic; peripheral; and visceral artery aneurysms	26	Peripheral and central vascular disorders	
116	Aortic and peripheral arterial embolism or thrombosis	26	Peripheral and central vascular disorders	

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Clinical Classification Codes (CCC)		Disease groups used in this study		Number of persons affected
Code	Description	Code	Description	
119	Varicose veins of lower extremity	27	Peripheral venous disorders	683
120	Hemorrhoids	27	Peripheral venous disorders	
121	Other diseases of veins and lymphatics	27	Peripheral venous disorders	
127	Chronic obstructive pulmonary disease and bronchiectasis	28	Obstructive pulmonary disorders	668
132	Lung disease due to external agents	28	Obstructive pulmonary disorders	
128	Asthma	29	Asthma	777
134	Other upper respiratory disease	30	Other upper respiratory tract disease	1,949
138	Esophageal disorders	31	Esophageal disorders	1,334
139	Gastroduodenal ulcer (except hemorrhage)	32	Gastric and duodenal ulcer	294
141	Other disorders of stomach and duodenum	32	Gastric and duodenal ulcer	
144	Regional enteritis and ulcerative colitis	33	Bowel disorders	730
146	Diverticulosis and diverticulitis	33	Bowel disorders	
147	Anal and rectal conditions	33	Bowel disorders	
149	Biliary tract disease	34	Biliary and liver disorders	767
151	Other liver diseases	34	Biliary and liver disorders	
158	Chronic kidney disease	35	Chronic kidney disease	344
162	Other diseases of bladder and urethra	36	Other diseases of bladder and urethra	172
198	Other inflammatory condition of skin	37	Skin disorders	3,473
200	Other skin disorders	37	Skin disorders	
202	Rheumatoid arthritis and related disease	38	Rheumatoid arthritis and related disease	131
203	Osteoarthritis	39	Osteoarthritis, joint disorders	3,084
204	Other non-traumatic joint disorders	39	Osteoarthritis, joint disorders	
205	Spondylosis; intervertebral disc disorders; other back problems	40	Back problems	2,466
206	Osteoporosis	41	Osteoporosis	186
210	Systemic lupus erythematosus and connective tissue disorders	42	Systemic lupus erythematosus and connective tissue disorders	55
651	Anxiety disorder	43	Anxiety, depression, bipolar disorders	2,337
657	Mood disorders (bipolar disorders and depressive disorders)	43	Anxiety, depression, bipolar disorders	
652	Attention-deficit, conduct, and disruptive behavior disorder	44	Attention-deficit, conduct, and disruptive behavior disorder	443
654	Developmental disorders	45	Developmental disorders	230
658	Personality disorders	46	Personality disorders	82
659	Schizophrenia and other psychotic disorders	47	Affective disorders, schizophrenia, other psychoses	64
660	Alcohol-related disorders	48	Substance use disorders	1,022
661	Substance-related disorders	48	Substance use disorders	