

Supplementary material

Supplementary table I. List of the 17 included conditions and ICD-10 codes.

	ICD-10 code
CCI conditions included	
Solid tumor, non-metastatic	C00–76
Solid tumor, metastatic	C77–79
Leukemia/myeloma	C88–96
Lymphoma	C81–86
Chronic liver disease	B18, K70, K72, K73, K74
Chronic kidney failure	N18
COPD	J44
Rheumatoid arthritis	M04, M05
Peripheral vascular disease	I73
Congestive heart failure	I50
Myocardial infarction	I21, I22
Diabetes	Data obtained from Riksstroke
Dementia	F00–03
Previous stroke	Data obtained from Riksstroke
CCI conditions not included	
Ulcer disease	-
Hemiplegia	-
AIDS	-
Non-CCI conditions included	
Atrial fibrillation/flutter	Data obtained from Riksstroke
Angina pectoris	I20
Hypertension	Data obtained from Riksstroke
CCI=Charlson comorbidity index, COPD=chronic obstructive pulmonary disease.	

Supplementary table II. Primary diagnosis of each readmission, presented as diagnostic groups.

	n=30 287
Infectious	3414 (11.3)
Intestinal	237 (0.8)
Sepsis	345 (1.1)
Skin infection, erysipelas and mycosis	264 (0.9)
Acute upper respiratory and influenza	213 (0.7)
Pneumonia and acute bronchitis	1609 (5.3)
Cystitis and pyelonephritis	326 (1.1)
Miscellaneous	420 (1.4)
Neoplasm	1647 (5.4)
Malignant solid neoplasm	1201 (4.0)
Leukemia/lymphoma	313 (1.0)
Benign neoplasm	133 (0.4)
Endocrine/nutritional and metabolic	695 (2.3)
Diabetes mellitus	361 (1.2)
Nutritional/metabolic disease	272 (0.9)
Miscellaneous	62 (0.2)
Mental and behavioral disorders	757 (2.5)
Mood disorders	160 (0.5)
Mental and behavioral disorders due to use of alcohol	192 (0.6)
Miscellaneous	405 (1.3)
Nervous system other than stroke	3309 (7.6)
Dementia	179 (0.6)
Epilepsy	670 (2.2)
TIA and related syndromes	600 (2.0)
Paresis	82 (0.3)
Sequelae of CVD	473 (1.6)
Miscellaneous	305 (1.0)
Stroke	2392 (7.9)
Stroke: ICH	288 (0.9)
Stroke: IS	2104 (6.9)
Diseases of the eye	105 (0.3)
Diseases of the ear	125 (0.4)
Circulatory	5007 (16.5)
Ischemic heart disease	1196 (3.9)
Atrial fibrillation and other arrhythmias	923 (3.0)
Heart failure	1242 (4.1)
PE/Venous thrombosis	186 (0.6)
PVD	561 (1.9)
Hypertension	147 (0.5)
Hypotension	183 (0.6)
Miscellaneous	569 (1.9)
Gastrointestinal	1922 (6.3)
Peptic ulcer	131 (0.4)
Non infective enteritis and colitis	451 (1.5)

Hernia	133 (0.4)
Paralytic Ileus	146 (0.4)
Gallbladder and biliary tract	354 (1.2)
GI bleed	306 (1.0)
Miscellaneous	401 (1.3)
Skin other than infection	135 (0.4)
Respiratory	970 (3.2)
COPD, emphysema and chronic bronchitis	459 (1.5)
Respiratory insufficiency	88 (0.3)
Miscellaneous	423 (1.4)
Musculoskeletal	1208 (3.9)
Rheumatoid arthritis	41 (0.1)
Osteoarthritis	229 (0.8)
Back pain (dorsalis)	135 (0.4)
Spondylopathies	219 (0.7)
Miscellaneous	584 (1.9)
Genitourinary	1525 (5.0)
Urolithiasis	104 (0.3)
Chronic kidney failure	226 (0.7)
Acute kidney failure	79 (0.3)
Miscellaneous	1116 (3.7)
Congenital malformations	28 (0.1)
Symptoms and findings not elsewhere specified	4182 (13.8)
Pain in throat and chest	658 (2.2)
Abdominal and pelvic pain	298 (1.0)
Nausea and vomiting	78 (0.3)
Hematuria	166 (0.5)
Dysphagia	57 (0.2)
Vertigo	497 (1.6)
Headache	109 (0.4)
Malaise and fatigue	164 (0.5)
Syncope	379 (1.2)
Convulsions	221 (0.7)
Anemia	368 (1.2)
Miscellaneous	1187 (3.9)
Injury of external cause (Trauma)	2390 (7.9)
Hip fracture	846 (2.8)
Other fracture	630 (2.1)
Other injury	731 (2.4)
Miscellaneous	183 (0.6)
Complication medical of surgical care	452 (1.5)
Factors influencing health status and contact with health services	1011 (3.3)

From day 22 to 1825 (five years) after index stroke.

Presented as No. (%).

COPD=chronic obstructive pulmonary disease,

CVD=cerebrovascular disease, ICH=intracerebral hemorrhage,

IS=ischemic stroke, PVD=peripheral vascular disease, TIA=transient ischemic attack

Supplementary table III. Proportions of patients readmitted or deceased at different time points after index stroke.

	Admitted			Not admitted			Readmitted or dead
	Total	Alive	Dead	Total	Alive	Dead	
6 months	3031 (30.0)	2562 (25.4)	469 (4.6)	7061 (70.0)	6447 (63.9)	614 (6.1)	3645 (36.1)
12 months	4411 (43.7)	3491 (34.6)	920 (9.1)	5681 (56.3)	4959 (49.1)	722 (7.2)	5133 (50.9)
3 years	6569 (65.1)	4232 (41.9)	2337 (23.2)	3523 (34.9)	2571 (25.5)	952 (9.4)	7521 (74.5)
5 years	7464 (74.0)	3907 (38.7)	3557 (35.2)	2628 (26.0)	1567 (15.5)	1061 (10.5)	8525 (84.5)

n=10 092. Presented as no. (%).