

**Supplementary Table S1. ICD-10 codes used to identify hospitalisations related to cardiovascular disease, fractures, and parathyroidectomy.**

<b>Cardiovascular disease :</b>	
<b>Diseases of the circulatory system (I00-I99)</b>	
<b>I74</b>	<b>Arterial embolism and thrombosis</b>
I74.0	Embolism and thrombosis of abdominal aorta
I74.1	Embolism and thrombosis of other and unspecified parts of aorta
I74.2	Embolism and thrombosis of arteries of upper extremities
I74.3	Embolism and thrombosis of arteries of lower extremities
I74.4	Embolism and thrombosis of arteries of extremities, unspecified
I74.5	Embolism and thrombosis of iliac artery
I74.8	Embolism and thrombosis of other arteries
I74.9	Embolism and thrombosis of unspecified artery
<b>Hypertensive diseases (I10-I15)</b>	
<b>I10</b>	<b>Essential (primary) hypertension</b>
<b>I11</b>	<b>Hypertensive heart disease</b>
I11.0	Hypertensive heart disease with (congestive) heart failure
I11.9	Hypertensive heart disease without (congestive) heart failure
<b>I12</b>	<b>Hypertensive renal disease</b>
I12.0	Hypertensive renal disease with renal failure
I12.9	Hypertensive renal disease without renal failure
<b>I13</b>	<b>Hypertensive heart and renal disease</b>
I13.0	Hypertensive heart and renal disease with (congestive) heart failure
I13.1	Hypertensive heart and renal disease with renal failure
I13.2	Hypertensive heart and renal disease with both (congestive) heart failure and renal failure
I13.9	Hypertensive heart and renal disease, unspecified
<b>I15</b>	<b>Secondary hypertension</b>
I15.0	Renovascular hypertension
I15.1	Hypertension secondary to other renal disorders
I15.2	Hypertension secondary to endocrine disorders
I15.8	Other secondary hypertension
I15.9	Secondary hypertension, unspecified
<b>Ischaemic heart diseases (I20-I25)</b>	
<b>I20</b>	<b>Angina pectoris</b>
I20.0	Unstable angina
I20.1	Angina pectoris with documented spasm
I20.8	Other forms of angina pectoris
I20.9	Angina pectoris, unspecified
<b>I21</b>	<b>Acute myocardial infarction</b>
I21.0	Acute transmural myocardial infarction of anterior wall
I21.1	Acute transmural myocardial infarction of inferior wall
I21.2	Acute transmural myocardial infarction of other sites
I21.3	Acute transmural myocardial infarction of unspecified site
I21.4	Acute subendocardial myocardial infarction
I21.9	Acute myocardial infarction, unspecified
<b>I22</b>	<b>Subsequent myocardial infarction</b>
I22.0	Subsequent myocardial infarction of anterior wall
I22.1	Subsequent myocardial infarction of inferior wall
I22.8	Subsequent myocardial infarction of other sites
I22.9	Subsequent myocardial infarction of unspecified site

**I23 Certain current complications following acute myocardial infarction**

- I23.0 Haemopericardium as current complication following acute myocardial infarction
- I23.1 Atrial septal defect as current complication following acute myocardial infarction
- I23.2 Ventricular septal defect as current complication following acute myocardial infarction
- I23.3 Rupture of cardiac wall without haemopericardium as current complication following acute myocardial infarction
- I23.4 Rupture of chordae tendineae as current complication following acute myocardial infarction
- I23.5 Rupture of papillary muscle as current complication following acute myocardial infarction
- I23.6 Thrombosis of atrium, auricular appendage, and ventricle as current complications following acute myocardial infarction
- I23.8 Other current complications following acute myocardial infarction

**I24 Other acute ischaemic heart diseases**

- I24.0 Coronary thrombosis not resulting in myocardial infarction
- I24.1 Dressler's syndrome
- I24.8 Other forms of acute ischaemic heart disease
- I24.9 Acute ischaemic heart disease, unspecified

**I25 Chronic ischaemic heart disease**

- I25.0 Atherosclerotic cardiovascular disease, so described
- I25.1 Atherosclerotic heart disease
- I25.2 Old myocardial infarction
- I25.3 Aneurysm of heart
- I25.4 Coronary artery aneurysm
- I25.5 Ischaemic cardiomyopathy
- I25.6 Silent myocardial ischaemia
- I25.8 Other forms of chronic ischaemic heart disease
- I25.9 Chronic ischaemic heart disease, unspecified

**Cerebrovascular diseases**

**(I60-I69)**

**I60 Subarachnoid haemorrhage**

- I60.0 Subarachnoid haemorrhage from carotid siphon and bifurcation
- I60.1 Subarachnoid haemorrhage from middle cerebral artery
- I60.2 Subarachnoid haemorrhage from anterior communicating artery
- I60.3 Subarachnoid haemorrhage from posterior communicating artery
- I60.4 Subarachnoid haemorrhage from basilar artery
- I60.5 Subarachnoid haemorrhage from vertebral artery
- I60.6 Subarachnoid haemorrhage from other intracranial arteries
- I60.7 Subarachnoid haemorrhage from intracranial artery, unspecified
- I60.8 Other subarachnoid haemorrhage
- I60.9 Subarachnoid haemorrhage, unspecified

**I61 Intracerebral haemorrhage**

- I61.0 Intracerebral haemorrhage in hemisphere, subcortical
- I61.1 Intracerebral haemorrhage in hemisphere, cortical
- I61.2 Intracerebral haemorrhage in hemisphere, unspecified
- I61.3 Intracerebral haemorrhage in brain stem
- I61.4 Intracerebral haemorrhage in cerebellum
- I61.5 Intracerebral haemorrhage, intraventricular
- I61.6 Intracerebral haemorrhage, multiple localized
- I61.8 Other intracerebral haemorrhage
- I61.9 Intracerebral haemorrhage, unspecified

**I62 Other nontraumatic intracranial haemorrhage**

- I62.0 Subdural haemorrhage (acute)(nontraumatic)
- I62.1 Nontraumatic extradural haemorrhage
- I62.9 Intracranial haemorrhage (nontraumatic), unspecified

**I63 Cerebral infarction**

- I63.0 Cerebral infarction due to thrombosis of precerebral arteries
- I63.1 Cerebral infarction due to embolism of precerebral arteries

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- I63.2 Cerebral infarction due to unspecified occlusion or stenosis of precerebral arteries
  - I63.3 Cerebral infarction due to thrombosis of cerebral arteries
  - I63.4 Cerebral infarction due to embolism of cerebral arteries
  - I63.5 Cerebral infarction due to unspecified occlusion or stenosis of cerebral arteries
  - I63.6 Cerebral infarction due to cerebral venous thrombosis, nonpyogenic
  - I63.8 Other cerebral infarction
  - I63.9 Cerebral infarction, unspecified

**I64 Stroke, not specified as haemorrhage or infarction**

**I65 Occlusion and stenosis of precerebral arteries, not resulting in cerebral infarction**

- I65.0 Occlusion and stenosis of vertebral artery
- I65.1 Occlusion and stenosis of basilar artery
- I65.2 Occlusion and stenosis of carotid artery
- I65.3 Occlusion and stenosis of multiple and bilateral precerebral arteries
- I65.8 Occlusion and stenosis of other precerebral artery
- I65.9 Occlusion and stenosis of unspecified precerebral artery

**I66 Occlusion and stenosis of cerebral arteries, not resulting in cerebral infarction**

- I66.0 Occlusion and stenosis of middle cerebral artery
- I66.1 Occlusion and stenosis of anterior cerebral artery
- I66.2 Occlusion and stenosis of posterior cerebral artery
- I66.3 Occlusion and stenosis of cerebellar arteries
- I66.4 Occlusion and stenosis of multiple and bilateral cerebral arteries
- I66.8 Occlusion and stenosis of other cerebral artery
- I66.9 Occlusion and stenosis of unspecified cerebral artery

**I67 Other cerebrovascular diseases**

- I67.0 Dissection of cerebral arteries, nonruptured
- I67.1 Cerebral aneurysm, nonruptured
- I67.2 Cerebral atherosclerosis
- I67.3 Progressive vascular leukoencephalopathy
- I67.4 Hypertensive encephalopathy
- I67.5 Moyamoya disease
- I67.6 Nonpyogenic thrombosis of intracranial venous system
- I67.7 Cerebral arteritis, not elsewhere classified
- I67.8 Other specified cerebrovascular diseases
- I67.9 Cerebrovascular disease, unspecified

**I68 Cerebrovascular disorders in diseases classified elsewhere**

- I68.0 Cerebral amyloid angiopathy ( E85.-+ )
- I68.1 Cerebral arteritis in infectious and parasitic diseases classified elsewhere
- I68.2 Cerebral arteritis in other diseases classified elsewhere
- I68.8 Other cerebrovascular disorders in diseases classified elsewhere

**I69 Sequelae of cerebrovascular disease**

- I69.0 Sequelae of subarachnoid haemorrhage
- I69.1 Sequelae of intracerebral haemorrhage
- I69.2 Sequelae of other nontraumatic intracranial haemorrhage
- I69.3 Sequelae of cerebral infarction
- I69.4 Sequelae of stroke, not specified as haemorrhage or infarction
- I69.8 Sequelae of other and unspecified cerebrovascular diseases

**Diseases of the nervous system**

**(G00-G99)**

**G45 Transient cerebral ischaemic attacks and related syndromes**

- G45.0 Vertebro-basilar artery syndrome
  - G45.1 Carotid artery syndrome (hemispheric)
  - G45.2 Multiple and bilateral precerebral artery syndromes
  - G45.3 Amaurosis fugax
  - G45.4 Transient global amnesia
  - G45.8 Other transient cerebral ischaemic attacks and related syndromes
  - G45.9 Transient cerebral ischaemic attack, unspecified
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**Fractures:**

**S12 Fracture of neck**

- S12.0 Fracture of first cervical vertebra
- S12.1 Fracture of second cervical vertebra
- S12.2 Fracture of other specified cervical vertebra
- S12.7 Multiple fractures of cervical spine
- S12.9 Fracture of neck, part unspecified

**S22 Fracture of rib(s), sternum and thoracic spine**

- S22.0 Fracture of thoracic vertebra
- S22.1 Multiple fractures of thoracic spine
- S22.2 Fracture of sternum
- S22.3 Fracture of rib(s), sternum and thoracic spine
- S22.4 Multiple fractures of ribs
- S22.5 Flail chest
- S22.8 Fracture of other parts of bony thorax
- S22.9 Fracture of bony thorax, part unspecified

**S32 Fracture of lumbar spine and pelvis**

- S32.0 Fracture of lumbar vertebra
- S32.1 Fracture of sacrum
- S32.2 Fracture of coccyx
- S32.3 Fracture of ilium
- S32.4 Fracture of acetabulum
- S32.5 Fracture of pubis
- S32.7 Multiple fractures of lumbar spine and pelvis
- S32.8 Fracture of other and unspecified parts of lumbar spine and pelvis

**S42 Fracture of shoulder and upper arm**

- S42.0 Fracture of clavicle
- S42.1 Fracture of scapula
- S42.2 Fracture of upper end of humerus
- S42.3 Fracture of shaft of humerus
- S42.4 Fracture of lower end of humerus
- S42.7 Multiple fractures of clavicle, scapula and humerus
- S42.8 Fracture of other parts of shoulder and upper arm
- S42.9 Fracture of shoulder girdle, part unspecified

**S52 Fracture of forearm**

- S52.0 Fracture of upper end of ulna
- S52.1 Fracture of upper end of radius
- S52.3 Fracture of shaft of ulna
- S52.4 Fracture of shaft of radius
- S52.5 Fracture of shaft of both ulna and radius
- S52.6 Fracture of lower end of both ulna and radius
- S52.7 Multiple fractures of forearm
- S52.8 Fracture of other parts of forearm
- S52.9 Fracture of forearm, part unspecified

**S62 Fracture at wrist and hand level**

- S62.0 Fracture of navicular [scaphoid] bone of hand
- S62.1 Fracture of other carpal bone(s)
- S62.3 Fracture of other metacarpal bone
- S62.4 Multiple fractures of metacarpal bones
- S62.5 Fracture of thumb
- S62.6 Fracture of other finger
- S62.7 Multiple fracture of fingers
- S62.8 Fracture of other and unspecified parts of wrist and hand

**S72 Fracture of femur**

- S72.0 Fracture of neck of femur
  - S72.1 Pertrochanteric fracture
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- S72.2 Subtrochanteric fracture
  - S72.3 Fracture of the shaft of femur
  - S72.4 Fracture of lower end of femur
  - S72.7 Multiple fractures of femur
  - S72.8 Fractures of other parts of femur
  - S72.9 Fracture of femur, part unspecified

**S82 Fracture of lower leg, including ankle**

- S82.1 Fracture of upper end of tibia
- S82.2 Fracture of shaft of tibia
- S82.3 Fracture of lower end of tibia
- S82.4 Fracture of fibula alone
- S82.5 Fracture of medial malleolus
- S82.6 Fracture of lateral malleolus
- S82.7 Multiple fractures of lower leg
- S82.8 Fractures of other parts of lower leg
- S82.9 Fracture of lower leg, part unspecified

**S92 Fracture of foot, except ankle**

- S92.0 Fracture of calcaneus
- S92.1 Fracture of talus
- S92.2 Fracture of other tarsal bone(s)
- S92.3 Fracture of metatarsal bone
- S92.4 Fracture of great toe
- S92.5 Fracture of other toe
- S92.7 Multiple fractures of foot
- S92.9 Fracture of foot, unspecified

**T02 Fractures involving multiple body regions**

- T02.1 Fractures involving thorax with lower back and pelvis
- T02.2 Fractures involving multiple regions of one upper limb
- T02.3 Fractures involving multiple regions of one lower limb
- T02.4 Fractures involving multiple regions of both upper limbs
- T02.5 Fractures involving multiple regions of both lower limbs
- T02.6 Fractures involving multiple regions of upper limb(s) with lower limb(s)
- T02.7 Fractures involving thorax with lower back and pelvis with limb(s)
- T02.8 Fractures involving other combinations of body regions
- T02.9 Multiple fractures, unspecified

**T08 Fracture of spine, level unspecified**

**T10 Fracture of upper limb, level unspecified**

**T12 Fracture of lower limb, level unspecified**

**T14 Injury of unspecified body region**

- T14.2 Fracture of unspecified body region

**T91 Sequelae of injuries of neck and trunk**

- T91.1 Sequelae of fracture of spine
- T91.2 Sequelae of other fracture of thorax and pelvis

**T92 Sequelae of injuries of upper limb**

- T92.1 Sequelae of fracture of arm
- T92.2 Sequelae of fracture at wrist and hand level

**T93 Sequelae of injuries of lower limb**

- T93.1 Sequelae of fracture of femur
- T93.2 Sequelae of other fractures of lower limb

**M80 Osteoporosis with pathological fracture**

- M80.5 Idiopathic osteoporosis with pathological fracture
- M80.8 Other osteoporosis with pathological fracture
- M80.9 Unspecified osteoporosis with pathological fracture

**M84 Disorders of continuity of bone**

- M84.4 Pathological fracture, not elsewhere classified
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**Parathyroidectomy:**

**E21 Hyperparathyroidism and other disorders of parathyroid gland**

E21.1 Secondary hyperparathyroidism, not elsewhere classified

E21.2 Other hyperparathyroidism

E21.3 Hyperparathyroidism, unspecified

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Source: **International Statistical Classification of Diseases and Related Health Problems 10th Revision** [<http://apps.who.int/classifications/icd10/browse/2010/en>]