

**Codes defined in the International Statistical Classification of Diseases and Related Health Problems 10th Revision (ICD-10) that we used to identify complications in the Hospital Episode Statistics (HES) dataset.**

Stroke: I60.X, “Subarachnoid 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”; I63.0, “Cerebral infarction due to thrombosis of precerebral arteries”; I63.1, “Cerebral infarction due to embolism of precerebral arteries”; 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”; and I64.X, “Stroke, not specified as haemorrhage or infarction”.

Respiratory infection: J12.X, “Viral pneumonia, not elsewhere classified: bronchopneumonia due to viruses other than influenza viruses”; J13, “Pneumonia due to *Streptococcus pneumoniae*”; J14, “Pneumonia due to *Haemophilus influenzae*”; J15.X, “Bacterial pneumonia, not elsewhere classified: bronchopneumonia due to bacteria other than *S. pneumoniae* and *H. influenzae*”; J18.0, “Bronchopneumonia, unspecified. Excluding bronchiolitis”; J18.1, “Lobar pneumonia, unspecified”; J18.2, “Hypostatic pneumonia, unspecified”; J18.8, “Other pneumonia, organism unspecified”; J18.9, “Pneumonia, unspecified”; J22, “Unspecified acute lower respiratory infection”; J44.0, “Chronic

obstructive pulmonary disease with acute lower respiratory infection. Excluding with influenza”; J44.1, “Chronic obstructive pulmonary disease with acute exacerbation, unspecified”; J69.0, “Pneumonitis due to food and vomit. Excluding Mendelson syndrome”; J69.1, “Pneumonitis due to oils and essences”; J69.8, “Pneumonitis due to other solids and liquids. Pneumonitis due to aspiration of blood”; and J85.1, “Abscess of lung with pneumonia. Excluding with pneumonia due to specified organism”.

Acute myocardial infarction: 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”; and I21.9, “Acute myocardial infarction, unspecified”.

Pulmonary embolism/deep vein thrombosis: I80.1, “Phlebitis and thrombophlebitis of superficial vessels of lower extremities”; I80.1, “Phlebitis and thrombophlebitis of femoral vein”; I80.3, “Phlebitis and thrombophlebitis of other deep vessels of lower extremities”; I26.0, “Pulmonary embolism with mention of acute cor pulmonale”; and I26.9, “Pulmonary embolism without mention of acute cor pulmonale”.

Urinary tract infection: N30.0, “Acute cystitis. Excluding irradiation cystitis and trigonitis”; and N39.0, “Urinary tract infection, site not specified”.

Wound disruption: T81.3, “Disruption of operation wound, not elsewhere classified”.

Surgical site infection: T81.4, “Infection following a procedure, not elsewhere classified”.

Fracture after implant: M96.6, “Fracture of bone following insertion of orthopaedic implant, joint prosthesis, or bone plate. Excluding complication of internal orthopaedic devices, implants or grafts”.

Complication of prosthesis: T84.0, “Mechanical complication of internal joint prosthesis”.

Neurovascular injury: T81.2, “Accidental puncture and laceration during a procedure, not elsewhere classified. Accidental perforation of: blood vessel, nerve or organ by: catheter, endoscope, instrument or probe during a procedure”.

Acute renal failure: N17.0, “Acute renal failure with tubular necrosis”; N17.1, “Acute renal failure with acute cortical necrosis”; N17.2, “Acute renal failure with medullary necrosis”; N17.8, “Other acute renal failure”; and N17.9, “Acute renal failure, unspecified”.