**CCU003\_04**

**Indirect effects of the first two years of the COVID-19 pandemic on secondary care for cardiovascular disease in the UK: an electronic health record analysis across three countries.**

**Codes for cardiovascular disease subtypes and procedures included in the study**

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| **Cardiovascular subtypes** | **ICD-10 codes** |
| Acute coronary syndrome | I20.0, I21, I22, I24 |
| Heart failure | I50 |
| Acute stroke/ Transient Ischaemic Attack | I60, I61, I63, I64, G45 |
| Aortic Aneurysm | I71 |
| Peripheral arterial disease | I70, I73, I74, I77 |
| Venous thromboembolism | I26, I80, I81, I82 |
|  |  |
| **Cardiovascular Procedures** | **OPSC-4 codes, ICD-10 codes** |
| Percutaneous coronary intervention | K49; K50, K63.1-K63.6; K65; K75 |
| Coronary artery bypass grafts | K40; K41; K42; K43; K44; K45; K46 |
| Pacemaker or cardiac resynchronisation therapy | K59, K60; K61 |
| Ventricular assist device or heart transplant | K01, K02; K54.1; K54.2 |
| Stroke thrombolysis or thrombectomy | I63 AND X83.3, I63 AND L35.4 |
| Carotid endarterectomy or stenting | L29.4; L29.5; L31.4 |
| Cerebral aneurysm coiling | O01 or O02 or O03 or O04 AND Y53 AND Z35 |
| Aortic aneurysm repair | L18; L19; L20; L21; L22; L23; L25; L26; L27; L28 |
| Peripheral limb angioplasty | L54; L63; L66; L71.1 |
| Limb revascularisation, bypass or amputation | L16; L20.6; L21.6; L48; L49; L50; L51; L52; L53; L56; L57; L58; L59; L60; L65.2; L65.3; X09; X10; X11, X12 |
| Pulmonary artery embolectomy or embolisation | L12.4; L12.5; L13 |

ICD-10: international classification of diseases, 10th revision; OPCS-4: Office of population censuses and surveys classification of interventions and procedures, version 4