

Cardiac Surgery (Adult) Quality Dashboard 2021/22



| Indicator Reference Number | Domain | Theme | Measure | Rationale | Name of Indicator/Description | Numerator | Denominator | Period Type | Frequency | Data Source Numerator | Data Source Denominator | Target | Interpretation Guidance | Notes | Reporting Period | | | |
|----------------------------|---|------------------|---|-----------|--|--|---|-------------|-----------|-----------------------|-------------------------|--------|-------------------------|--|------------------|-----------------|-----------------|-----------------|
| | | | | | | | | | | | | | | | Q1 | Q2 | Q3 | Q4 |
| CS01 | Domain 1: Preventing people from dying prematurely | Clinical Outcome | In hospital survival | tbc | In hospital survival (risk adjusted) % with mean logistic euroscore for the whole eligible cohort. | Mean logistic euroscore | N/A | Annual | Annual | tbc | tbc | | Lower is better | Currently in development | | | | |
| CS02 | Domain 1: Preventing people from dying prematurely | Clinical Outcome | 30 day survival | tbc | 30 day survival (risk adjusted) % | tbc | tbc | Annual | Annual | tbc | tbc | | Lower is better | Currently in development | | | | |
| CS03 | Domain 5: Treating and caring for people in a safe environment; and protecting them from avoidable harm | Clinical Outcome | Wound infection | tbc | Rate of deep wound infection | Of those in the denominator, number of surgeries that resulted in a deep wound infection | The total number of surgeries carried out in the reporting period | Quarterly | Quarterly | HES | HES | | Lower is better | Numerator ICD10 codes: see Appendix C Denominator OPCS codes: see Appendix A | Jan 21 - Mar 21 | Apr 21 - Jun 21 | Jul 21 - Sep 21 | Oct 21 - Dec 21 |
| CS04 | Domain 5: Treating and caring for people in a safe environment; and protecting them from avoidable harm | Clinical Outcome | Readmission rates | tbc | Readmission rate within 30 days of discharge | Of those in the denominator, the number of patients who were readmitted within 30 days of surgery | The total number of surgeries carried out in the reporting period | Quarterly | Quarterly | HES | HES | | Lower is better | Denominator OPCS codes: see Appendix A | Jan 21 - Mar 21 | Apr 21 - Jun 21 | Jul 21 - Sep 21 | Oct 21 - Dec 21 |
| CS05 | Domain 5: Treating and caring for people in a safe environment; and protecting them from avoidable harm | Clinical Outcome | Length of stay | tbc | Length of stay (days) | Total spell duration (days) | The total number of patients having cardiac surgery in the reporting period | Quarterly | Quarterly | HES | HES | | | Denominator OPCS codes: see Appendix A | Jan 21 - Mar 21 | Apr 21 - Jun 21 | Jul 21 - Sep 21 | Oct 21 - Dec 21 |
| CS06 | Domain 5: Treating and caring for people in a safe environment; and protecting them from avoidable harm | Clinical Outcome | Post angiogram surgery | tbc | Percentage of urgent cases operated on within 7 days of angiogram | Of those in the denominator, number of surgeries where angiogram was carried out up to 7 days prior to the surgery | The total number of surgeries carried out in the reporting period | Quarterly | Quarterly | HES | HES | | | Eligible patients - all cardiac surgery patients except emergency patients, patients ventilated pre-operatively, cardiac trauma, transplants, pulmonary thromboendarterectomy patients Numerator OPCS codes: see Appendix B Denominator OPCS codes: see Appendix A | Jan 21 - Mar 21 | Apr 21 - Jun 21 | Jul 21 - Sep 21 | Oct 21 - Dec 21 |
| CS07 | Domain 5: Treating and caring for people in a safe environment; and protecting them from avoidable harm | Clinical Outcome | Superspell Length of stay pre procedure | tbc | Superspell Length of Stay (days) | Total spell duration (days) pre procedure | The total number of patients having cardiac surgery as non elective in the reporting period | Quarterly | Quarterly | tbc | tbc | | | Currently in development | | | | |

Data collection has been approved by the Review of Central Returns - ROCR
ROCR/OR/2230/001MAND

| OPCS Codes | |
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| K40 | Saphenous vein graft replacement of one coronary artery |
| | Saphenous vein graft replacement of three coronary arteries |
| | Saphenous vein graft replacement of four or more coronary arteries |
| | Other specified saphenous vein graft replacement of coronary artery |
| | Unspecified saphenous vein graft replacement of coronary artery |
| K41 | Autograft replacement of one coronary artery NEC |
| | Autograft replacement of two coronary arteries NEC |
| | Autograft replacement of three coronary arteries NEC |
| | Autograft replacement of four or more coronary arteries NEC |
| | Other specified other autograft replacement of coronary artery |
| Unspecified other autograft replacement of coronary artery | |
| K42 | Allograft replacement of one coronary artery |
| | Allograft replacement of two coronary arteries |
| | Allograft replacement of three coronary arteries |
| | Allograft replacement of four or more coronary arteries |
| | Other specified allograft replacement of coronary artery |
| Unspecified allograft replacement of coronary artery | |
| K43 | Prosthetic replacement of one coronary artery |
| | Prosthetic replacement of two coronary arteries |
| | Prosthetic replacement of three coronary arteries |
| | Prosthetic replacement of four or more coronary arteries |
| | Other specified prosthetic replacement of coronary artery |
| Unspecified prosthetic replacement of coronary artery | |
| K44 | Replacement of coronary arteries using multiple methods |
| | Revision of replacement of coronary artery |
| | Other specified other replacement of coronary artery |
| | Unspecified other replacement of coronary artery |
| K45 | Double anastomosis of mammary arteries to coronary arteries |
| | Double anastomosis of thoracic arteries to coronary arteries NEC |
| | Anastomosis of mammary artery to left anterior descending coronary artery |
| | Anastomosis of mammary artery to coronary artery NEC |
| | Anastomosis of thoracic artery to coronary artery NEC |
| | Revision of connection of thoracic artery to coronary artery |
| | Other specified connection of thoracic artery to coronary artery |
| Unspecified connection of thoracic artery to coronary artery | |
| K26 | Allograft replacement of aortic valve |
| | Xenograft replacement of aortic valve |
| | Prosthetic replacement of aortic valve |
| | Replacement of aortic valve NEC |
| | Aortic valve repair NEC |
| | Other specified plastic repair of aortic valve |
| | Unspecified plastic repair of aortic valve |
| K35 | Percutaneous transluminal mitral valvotomy |
| | Percutaneous transluminal aortic valvotomy |
| | Percutaneous transluminal tricuspid valvotomy |
| | Percutaneous transluminal pulmonary valvotomy |
| | Percutaneous transluminal valvuloplasty |
| | Percutaneous transluminal pulmonary valve perforation and dilation |
| | Percutaneous transluminal pulmonary valve replacement |
| | Other specified therapeutic transluminal operations on valve of heart |
| | Unspecified therapeutic transluminal operations on valve of heart |
| K27 | Allograft replacement of tricuspid valve |
| | Xenograft replacement of tricuspid valve |
| | Prosthetic replacement of tricuspid valve |
| | Replacement of tricuspid valve NEC |
| | Repositioning of tricuspid valve |
| | Tricuspid valve repair NEC |
| | Other specified plastic repair of tricuspid valve |
| | Unspecified plastic repair of tricuspid valve |
| K28 | Allograft replacement of pulmonary valve |
| | Xenograft replacement of pulmonary valve |
| | Prosthetic replacement of pulmonary valve |
| | Replacement of pulmonary valve NEC |
| | Pulmonary valve repair NEC |
| | Other specified plastic repair of pulmonary valve |
| | Unspecified plastic repair of pulmonary valve |
| | Allograft replacement of valve of heart NEC |
| | Xenograft replacement of valve of heart NEC |

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| K29 | Prosthetic replacement of valve of heart NEC |
| | Replacement of valve of heart NEC |
| | Repair of valve of heart NEC |
| | Truncal valve repair |
| | Replacement of truncal valve |
| | Other specified plastic repair of unspecified valve of heart |
| | Unspecified plastic repair of unspecified valve of heart |
| | Revision of plastic repair of truncal valve |
| K30 | Revision of plastic repair of mitral valve |
| | Revision of plastic repair of aortic valve |
| | Revision of plastic repair of tricuspid valve |
| | Revision of plastic repair of pulmonary valve |
| | Revision of plastic repair of truncal valve |
| | Other specified revision of plastic repair of valve of heart |
| | Unspecified revision of plastic repair of valve of heart |
| K31 | Open mitral valvotomy |
| | Open aortic valvotomy |
| | Open tricuspid valvotomy |
| | Open pulmonary valvotomy |
| | Open truncal valvotomy |
| | Other specified open incision of valve of heart |
| | Unspecified open incision of valve of heart |
| K33 | Aortic root replacement using pulmonary valve autograft with right ventricle to pulmonary artery valved conduit |
| | Aortic root replacement using pulmonary valve autograft with right ventricle to pulmonary artery valved conduit and aortoventriculoplasty |
| | Aortic root replacement using homograft |
| | Aortic root replacement using mechanical prosthesis |
| | Aortic root replacement NEC |
| | Aortoventriculoplasty with pulmonary valve autograft |
| | Other specified operations on aortic root |
| | Unspecified operations on aortic root |
| K34 | Annuloplasty of mitral valve |
| | Annuloplasty of tricuspid valve |
| | Annuloplasty of valve of heart NEC |
| | Excision of vegetations of valve of heart |
| | Closure of tricuspid valve |
| | Closure of pulmonary valve |
| | Other specified other open operations on valve of heart |
| | Unspecified other open operations on valve of heart |
| | Tricuspid valvectomy |
| | Pulmonary valvectomy |
| | Other specified excision of valve of heart |
| | Unspecified excision of valve of heart |
| K35 | Percutaneous transluminal mitral valvotomy |
| | Percutaneous transluminal aortic valvotomy |
| | Percutaneous transluminal tricuspid valvotomy |
| | Percutaneous transluminal pulmonary valvotomy |
| | Percutaneous transluminal valvuloplasty |
| | Percutaneous transluminal pulmonary valve perforation and dilation |
| | Percutaneous transluminal pulmonary valve replacement |
| | Other specified therapeutic transluminal operations on valve of heart |
| | Unspecified therapeutic transluminal operations on valve of heart |
| K36 | Tricuspid valvectomy |
| | Pulmonary valvectomy |
| | Other specified excision of valve of heart |
| | Unspecified excision of valve of heart |
| K37 | Infundibulectomy of heart using patch |
| | Infundibulectomy of heart NEC |
| | Repair of subaortic stenosis |
| | Repair of supra-aortic stenosis |
| | Excision of supramitral ring |
| | Aortoventriculoplasty |
| | Other specified removal of obstruction from structure adjacent to valve of heart |
| Unspecified removal of obstruction from structure adjacent to valve of heart | |
| K38 | Operations on papillary muscle |
| | Operations on chordae tendineae |
| | Operations on mitral subvalvar apparatus |
| | Closure of aorto-left ventricular tunnel |
| | Closure of aortic sinus of Valsalva fistula |
| | Repair of aortic sinus of Valsalva aneurysm |

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| | Other specified other operations on structure adjacent to valve of heart |
| | Unspecified other operations on structure adjacent to valve of heart |
| K63 | Angiocardiology of combination of right and left side of heart |
| | Angiocardiology of right side of heart NEC |
| | Angiocardiology of left side of heart NEC |
| | Coronary arteriography using two catheters |
| | Coronary arteriography using single catheter |
| | Coronary arteriography NEC |
| | Other specified contrast radiology of heart |
| | Unspecified contrast radiology of heart |

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| OPCS Codes | |
| U105 | Radionuclide angiocardigraphy |

ICD10 Codes

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| T814 | Infection following a procedure, not elsewhere classified |
| T826 | Infection and inflammatory reaction due to cardiac valve prosthesis |
| T827 | Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts |