

### Cardiac Surgery (Adult) Quality Dashboard

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 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 19 - Mar 19	Apr 19 - Jun 19	Jul 19 - Sep 19	Oct 19 - Dec 19
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 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 19 - Mar 19	Apr 19 - Jun 19	Jul 19 - Sep 19	Oct 19 - Dec 19
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 19 - Mar 19	Apr 19 - Jun 19	Jul 19 - Sep 19	Oct 19 - Dec 19
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 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 C Denominator OPCS codes: see Appendix A	Jan 19 - Mar 19	Apr 19 - Jun 19	Jul 19 - Sep 19	Oct 19 - Dec 19
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

**Appendix A**

**OPCS Codes**

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
K42	Unspecified other autograft replacement of coronary artery
	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
K43	Other specified allograft replacement of coronary artery
	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
K44	Other specified prosthetic replacement of coronary artery
	Unspecified prosthetic replacement of coronary artery
	Replacement of coronary arteries using multiple methods
	Revision of replacement of coronary artery
	Other specified other replacement of coronary artery
K45	Unspecified other replacement of coronary artery
	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
K29	Unspecified plastic repair of pulmonary valve
	Allograft replacement of valve of heart NEC
	Xenograft replacement of valve of heart NEC
	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
	Other specified other operations on structure adjacent to valve of heart
Unspecified other operations on structure adjacent to valve of heart	
K63	Angiocardiography of combination of right and left side of heart
	Angiocardiography of right side of heart NEC
	Angiocardiography 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	

<b>OPCS Codes</b>	
U105	Radionuclide angiocardiology

<b>ICD10 Codes</b>	
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