

Measure Number	Theme	Measure	Description & Provenance	Name of KPI	Numerator	Denominator	Period Type	Frequency	Data Source Numerator	Data Source Denominator	Data Presentation	Construction	Data Quality Concerns	Error Measurement	Notes 1	Notes 2
CDY01	Cardiology	Domain 4: Ensuring that people have a positive experience of care	LOS for elective patients	LoS for patients undergoing elective first time ICD, CRT-D or CRT-P implant	LoS in days for patients undergoing elective first time ICD, CRT-D or CRT-P implant	Total number of cases undergoing first time CRT-D, CRT-P or ICD implant during an elective admission	Quarterly	Quarterly	Trust reported (NICOR)	Trust reported	SPC	Sum numerator / denominator				
CDY09	Cardiology	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	LoS for patients undergoing elective catheter ablation	Average total length of stay for patients undergoing elective isolated ablation	LoS in days from for all patients undergoing elective isolated ablation	Total number of isolated ablation spells	Quarterly	Quarterly	Trust reported (NICOR)	Trust reported	SPC	Sum numerator / denominator				Urban centres where day case procedures will be more widely suitable will have an automatic advantage over centres where travel times are prolonged – agreed > 1 day would be marker of prolonged stay
CDY02	Cardiology	Domain 4: Ensuring that people have a positive experience of care	30 day readmission rate	Readmission rates within 30 days of discharge following elective first time ICD, CRT-D and CRT-P implant	All emergency readmissions within 30 days of discharge following implant	Total number of ICD, CRT-D and CRT-P cases, including upgrades and generator changes	Annual	Annual	Trust reported (NICOR)	Trust reported	SPC	numerator / denominator *100				
CDY03	Cardiology	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	1 year mortality for first time ICD, CRT-D & CRT-P implants	Percentage of patients who died within 1 year following isolated first time ICD, CRT-D & CRT-P implant	Number in denominator who died for any reason	Total number of isolated first time ICD, CRT-D & CRT-P implants	Annual	Annual	Trust reported (NICOR)	Trust reported	SPC	numerator / denominator *100				
CDY04	Cardiology	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Complications related to first-time ICD, CRT-D & CRT-P implants, requiring intervention prior to discharge	Complications (%) of elective first time ICD, CRT-D and CRT-P requiring intervention prior to discharge. Individual figures for each category required (See Note 1)	Number in denominator who required further intervention following implant prior to discharge	Total number of first time ICD, CRT-D & CRT-P implants	Annual	Annual	Trust reported (NICOR)	Trust reported	SPC	numerator / denominator *100			Complications to include: pneumothorax, haematoma evacuation, pericardial effusion and lead revision/deactivation	
CDY05	Cardiology	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	ICD complications related to first-time ICD, CRT-D & CRT-P implants requiring intervention following discharge and within 1 year	Complications (%) of elective first time ICD, CRT-D and CRT-P complications requiring intervention following discharge and within 1 year. Individual figures for each category required (See Note 1)	Number in denominator who required further intervention following discharge and within 1 year	Total number of first time ICD, CRT-D & CRT-P implants	Annual	Annual	Trust reported (NICOR)	Trust reported	SPC	numerator / denominator *100			Complications to include: haematoma evacuation, pericardial effusion, lead revision/deactivation, infection/extraction	For logistical reasons, 12 months can be taken to be 9 - 15 months

CDY08	Cardiology	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Catheter ablation re-do rates	Redo ablation rates for elective first-time ablation procedures. 5 procedures: AVNRT, WPPW, typical atrial flutter, paroxysmal AF and persistent AF	Number of redos within 1 year of procedure. Individual figures for each of the 5 categories required	Total number of ablations in the last 12 months	Annual	Annual	Trust reported (NICOR)	Trust reported	SPC	numerator / denominator *100				This includes radiofrequency, laser and cryo-ablation etc. but excludes alcohol	Gathered via NICOR procedural data
CDY10	Cardiology	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Mortality following catheter ablation (excluding structural heart VT)	Ablation 1 year mortality (excluding structural heart VT ablation)	Number in denominator who died for any reason	Total number of catheter ablation spells (excluding structural heart VT)	Annual	Annual	Trust reported (NICOR)	Trust reported	SPC	numerator / denominator *100					
CDY12	Cardiology	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	30 day catheter ablation readmission rate	Readmission rates following an ablation within 30 days of discharge (catheter heart VT ablation excluded)	All emergency readmissions within 30 days of discharge following catheter ablation (structural heart VT ablation excluded)	Total number of catheter ablation spells (structural heart VT ablation excluded)	Annual	Annual	Trust reported (NICOR)	Trust reported	SPC	numerator / denominator *100					
CDY13a	Cardiology	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Complication rate for AF ablation prior to discharge	Rate of complications requiring intervention prior to discharge / delaying discharge for AF ablation	Number in denominator who required further intervention prior to discharge, or that resulted in delaying discharge	Total number of catheter ablation spells (AF ablation)	Annual	Annual	Trust reported (NICOR)	Trust reported	SPC	numerator / denominator *100				Complications to include: femoral bleeding/vascular repair, cardiac tamponade, TIA/stroke, MI, pacemaker implantation or other complication clearly attributable to the ablation procedure	
CDY13b	Cardiology	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Complication rate for SVT/atrial flutter ablation prior to discharge	Rate of complications requiring intervention prior to discharge / delaying discharge for SVT/atrial flutter ablation	Number in denominator who required further intervention prior to discharge, or that resulted in delaying discharge	Total number of catheter ablation spells (SVT/atrial flutter)	Annual	Annual	Trust reported (NICOR)	Trust reported	SPC	numerator / denominator *100				Complications to include: femoral bleeding/vascular repair, cardiac tamponade, TIA/stroke, MI, pacemaker implantation or other complication clearly attributable to the ablation procedure	
CDY14a	Cardiology	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Complication rate for AF ablation within 1 year	Rate of complications requiring intervention within 1 year for AF ablation	Number in denominator who required further intervention within 1 year	Total number of catheter ablation spells (AF ablation)	Annual	Annual	Trust reported (NICOR)	Trust reported	SPC	numerator / denominator *100				Complications to include: femoral bleeding/vascular repair, cardiac tamponade, TIA/stroke, MI, pacemaker implantation or other complication clearly attributable to the ablation procedure	
CDY14b	Cardiology	Domain 5: Treating and caring for people in a safe environment and protecting them from avoidable harm	Complication rate for SVT/atrial flutter ablation within 1 year	Rate of complications requiring intervention within 1 year for SVT/atrial flutter ablation	Number in denominator who required further intervention within 1 year	Total number of catheter ablation spells (SVT/atrial flutter)	Annual	Annual	Trust reported (NICOR)	Trust reported	SPC	numerator / denominator *100				Complications to include: femoral bleeding/vascular repair, cardiac tamponade, TIA/stroke, MI, pacemaker implantation or other complication clearly attributable to the ablation procedure	