

Appendix 10: 1-year reintervention rates for ablation and CRM device procedures (index procedures in 2015/6)

Reintervention rates for ablation procedures.

Each ablation procedure during 2015/6 (irrespective of whether it was the patient's first) has been considered an index procedure and the patient followed for 365 days to determine whether that patient has undergone a further ablation of the same (or related) target. However, each patient can only be counted once as a re-intervention for each target. This is particularly important for AF ablations, when a minority of patients may undergo multiple procedures – this will only count as one patient, to avoid skewing of results. Procedures have only been counted if "Ablation performed?" has been entered as "Yes".

Patients have been followed solely using NHS No, irrespective of centre. NHS No completeness for each centre in 2015/6 and 2016/7 is given: if either figure is <90%, data for that centre are considered inadequate for analysis: that centre has been shaded in the table and excluded from the funnel chart in the main report. This is because low NHS No. completeness may result in underestimation of true reintervention rates.

Hospital	Hosp code	Region	Type	NHS No. completeness		Ablations – Simple		Ablations – Complex Atrial		Ablations - Complex Ventricular	
				2015/16	2016/17	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)
Alder Hey Hosp.	ACH	England	Children's	100	NA	1	0	0	0	0	0
Barts And The London	BAL	England		99	94.7	407	2.7	602	12.79	108	9.26
Basildon Hosp.	BAS	England		99.1	98.7	151	3.31	131	10.69	15	6.67
Belfast City Hosp.	BFT	N Ireland		NA	NA	0	0	0	0	0	0
Birmingham Childrens Hosp.	BCH	England	Children's	45.5	59.5	10	0	1	0	1	0
Blackpool Victoria Hosp.	VIC	England		74	18.7	140	2.14	122	3.28	9	0
BMI The Alexandra Hosp.	AHM	England	Private	3.1	1	4	0	0	0	0	0
BMI The Meriden Hosp.	BMI	England	Private	NA	NA	0	0	0	0	0	0
BMI The Priory Hosp. Birmingham	PHB	England	Private	NA	NA	0	0	0	0	0	0
Bristol Royal Hosp. For Children	BRC	England	Children's	25.9	6.1	14	0	1	0	1	0
Bristol Royal Infirmary	BRI	England		95.8	98.9	0	0	0	0	0	0
Castle Hill Hosp.	CHH	England		99.4	100	133	2.26	112	7.14	7	0
Cromwell Hosp.	CRO	England	Private	NA	NA	0	0	0	0	0	0
Derriford Hosp.	PLY	England		100	99.6	102	2.94	113	1.77	13	7.69
Eastbourne District Gen. Hosp.	DGE	England		100	99.7	149	4.7	106	12.26	14	28.57
Edinburgh Royal Infirmary	ERI	Scotland		99.8	100	264	3.03	97	16.49	22	13.64

Hospital	Hosp code	Region	Type	NHS No. completeness		Ablations – Simple		Ablations – Complex Atrial		Ablations - Complex Ventricular	
				2015/16	2016/17	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)
Freeman Hosp. Newcastle	FRE	England		99.5	99.3	348	2.59	371	9.7	46	6.52
Frimley Park Hosp.	FRM	England		81	44.2	90	10	0	0	0	0
Glenfield Hosp.	GRL	England		99.9	100	312	2.24	241	9.54	40	7.5
Golden Jubilee Hosp.	GJH	Scotland		100	NA	51	0	4	0	4	0
Great Ormond Street Hosp.	GOS	England	Children's	2.4	49.1	2	50	0	0	0	0
Harefield Hosp.	HH	England		96.8	99.8	162	0	315	11.75	33	12.12
Harley Street Clinic	HSC	England	Private	0.6	NA	2	0	2	0	0	0
John Radcliffe Hosp.	RAD	England		95.4	96.2	267	1.12	316	12.66	35	2.86
Kent Institute Of Medicine & Surgery	KIM	England	Private	NA	NA	0	0	0	0	0	0
Kings College Hosp.	KCH	England		99.3	96.8	185	2.7	134	10.45	39	10.26
Leeds Gen. Infirmary	LGI	England		100	99.6	373	2.68	256	17.19	51	17.65
Liverpool Heart & Chest Hosp.	BHL	England		100	100	647	3.25	556	8.99	64	12.5
London Bridge Hosp.	LBH	England	Private	2.4	NA	2	0	6	0	0	0
Maidstone Hosp.	MAI	England		100	98.9	80	5	0	0	0	0
Manchester Royal Infirmary	MRI	England		91.9	94.5	150	5.33	65	16.92	5	0
Morrison Hosp.	MOR	Wales		44.3	6	23	0	2	0	0	0
New Cross Hosp. (Wolverhampton HC)	NCR	England		100	99.7	181	3.87	92	5.43	12	16.67
Norfolk & Norwich Univ. Hosp.	NOR	England		100	100	125	2.4	7	0	8	12.5
Northampton Gen. Hosp.	NTH	England		NA	NA	0	0	0	0	0	0
Northern Gen. Hosp. Sheffield	NGS	England		100	100	127	4.72	138	5.8	21	9.52
North Middlesex Univ. Hosp.	NMH	England		46.2	NA	5	0	0	0	0	0
Nottingham City Hosp.	CHN	England		100	100	137	4.38	55	3.64	9	0
Papworth Hosp.	PAP	England		100	99.9	477	3.56	432	8.33	63	7.94
Princess Royal Hosp. Telford	TLF	England		NA	NA	0	0	0	0	0	0
Queen Alexandra Hosp.	QAP	England		96.2	99.5	110	2.73	70	15.71	5	0
Q.E. Hosp. Birmingham	QEB	England		67.3	100	172	4.07	208	17.31	16	0
Queen Elizabeth Hosp. Gateshead	QEG	England		NA	100	0	0	0	0	0	0

Hospital	Hosp code	Region	Type	NHS No. completeness		Ablations – Simple		Ablations – Complex Atrial		Ablations - Complex Ventricular	
				2015/16	2016/17	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)
Queen Elizabeth The Queen Mother Hosp.	QEQ	England		NA	9.8	0	0	0	0	0	0
Royal Berkshire Hosp.	BHR	England		100	100	28	0	2	0	0	0
Royal Bournemouth Hosp.	BOU	England		100	100	316	4.75	253	11.46	19	5.26
Royal Brompton Hosp.	NHB	England		88.9	94.4	283	4.59	417	11.27	66	22.73
Royal Cornwall Hosp.	RCH	England		100	100	64	4.69	0	0	0	0
Royal Devon & Exeter Hosp.	RDE	England		77.7	45.2	104	2.88	33	12.12	2	0
Royal Hosp.s Belfast	RVB	N Ireland		NA	NA	0	0	0	0	0	0
Royal Infirmary Aberdeen	RIA	Scotland		95.6	100	48	0	21	0	5	0
Royal Surrey County Hosp.	RSU	England		5.1	NA	4	0	0	0	0	0
Royal Sussex County Hosp.	RSC	England		99.6	99.3	186	2.69	246	6.5	35	11.43
Southampton Gen. Hosp.	SGH	England		86	99.6	140	2.14	95	9.47	16	12.5
Spire Bristol	GHB	England	Private	16.9	10.6	6	0	23	4.35	1	0
Spire Hosp. Cardiff	SPC	Wales	Private	NA	NA	0	0	0	0	0	0
Spire Hull And East Riding Hosp.	HBP	England	Private	2.9	3.4	0	0	1	0	0	0
Spire Leeds Hosp.	LEB	England	Private	4.8	2.9	0	0	1	0	0	0
Spire Southampton Hosp.	CBS	England	Private	NA	NA	0	0	0	0	0	0
St Georges Hosp.	GEO	England		85.7	58.4	305	2.3	432	6.02	69	10.14
St Richards Hosp.	STR	England		NA	NA	0	0	0	0	0	0
St Thomas Hosp.	STH	England		99.9	99.4	270	3.33	273	10.62	26	11.54
The James Cook Univ. Hosp.	SCM	England		99.7	99.5	189	5.29	122	18.85	23	13.04
Univ. College Hosp.	UCL	England		100	NA	17	0	19	10.53	1	0
Univ. Hosp. Coventry	WAL	England		100	100	217	1.38	55	1.82	9	22.22
Univ. Hosp. Of North Staffs	STO	England		63.8	86.3	97	3.09	34	8.82	4	0
Univ. Hosp. Of Wales	UHW	Wales		81.7	94.8	141	2.84	27	3.7	5	20
Warwick Hosp.	WAR	England		NA	NA	0	0	0	0	0	0
Watford Gen. Hosp.	WAT	England		100	61.8	85	2.35	4	0	0	0
Wellington Hosp. North	HHW	England	Private	NA	0.6	0	0	0	0	0	0

Hospital	Hosp code	Region	Type	NHS No. completeness		Ablations – Simple		Ablations – Complex Atrial		Ablations - Complex Ventricular	
				2015/16	2016/17	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)
Weston Gen. Hosp.	WGH	England		NA	NA	0	0	0	0	0	0
William Harvey Hosp.	WHH	England		97.5	15.4	28	0	1	0	0	0
Worcestershire Royal Hosp.	WRC	England		NA	NA	0	0	0	0	0	0
Wythenshawe Hosp.	WYT	England		100	100	471	1.49	160	1.88	43	9.3

Reintervention rates for CRM Device procedures.

Only *first implants* during 2015/6 have been counted as index procedures. Each patient has followed for 365 days to determine whether that patient has undergone any further pacemaker or complex device procedure.

Patients have been followed solely using NHS No., irrespective of centre. NHS No. completeness for each centre in 2015/6 and 2016/7 is given: if either figure is <90%, data for that centre are considered inadequate for analysis: that centre has been shaded in the table and excluded from the funnel chart in the main report. This is because low NHS No. completeness may result in underestimation of true reintervention rates.

Hosp.	Hosp code	Region	Type	NHS No. Completeness		Pacemakers		Complex devices (ICD/CRT)	
				2015/16	2016/17	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)
Addenbrookes Hosp.	ADD	England		98.1	99.6	214	1.87	64	4.69
Aintree Univ. Hosp.	FAZ	England		57.5	98.5	99	5.05	0	0
Airedale Gen. Hosp.	AIR	England		99.5	100	108	1.85	39	2.56
Alder Hey Hosp.	ACH	England	Children's	93.3	88.5	5	20	1	0
Arrowe Park Hosp.	WIR	England		100	99.7	271	2.21	0	0
Barnet Gen. Hosp.	BNT	England		77.7	87.4	153	2.61	46	10.87
Barnsley Hosp.	BAR	England		98.6	100	108	7.41	0	0
Barts And The London	BAL	England		97	99.3	389	5.4	264	7.95
Basildon Hosp.	BAS	England		99.4	98.1	424	3.54	173	6.36
Basingstoke & North Hampshire Hosp.	NHH	England		100	99.7	214	2.34	69	5.8
Bedford Hosp.	BED	England		100	100	103	6.8	0	0
Belfast City Hosp.	BFT	N Ireland		NA	0.3	0	0	0	0

Hosp.	Hosp code	Region	Type	NHS No. Completeness		Pacemakers		Complex devices (ICD/CRT)	
				2015/16	2016/17	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)
Birmingham Childrens Hosp.	BCH	England	Children's	49.2	77.8	13	15.38	2	0
Birmingham City Hosp.	DUD	England		98.8	98.7	135	5.93	84	9.52
Blackpool Victoria Hosp.	VIC	England		81.9	73.3	226	2.21	171	6.43
BMI The Alexandra Hosp.	AHM	England	Private	5	NA	0	0	0	0
BMI The Meriden Hosp.	BMI	England	Private	NA	4.5	0	0	0	0
Bradford Royal Infirmary	BRD	England		87.6	22.3	143	2.1	53	5.66
Bristol Royal Hosp. For Children	BRC	England	Children's	85.7	72	10	0	1	0
Bristol Royal Infirmary	BRI	England		99.6	99.8	382	4.19	183	4.37
Broomfield Hosp.	BFH	England		100	100	152	1.97	0	0
Calderdale Royal Hosp.	RHI	England		73.5	5.6	81	6.17	14	21.43
Castle Hill Hosp.	CHH	England		99.7	99.5	346	4.34	106	6.6
Central Middlesex Hosp.	CMH	England		82.2	87.2	51	0	3	0
Chelsea & Westminster Hosp.	WES	England		94.6	97.5	20	10	1	100
Cheltenham Gen. Hosp.	CHG	England		97.7	58.6	351	4.56	94	4.26
Chesterfield Royal Hosp.	CHE	England		100	100	125	5.6	0	0
Colchester Gen. Hosp.	COL	England		98.8	99.8	206	4.37	0	0
Conquest Hosp.	CGH	England		99.6	100	122	5.74	20	5
Countess of Chester Hosp.	COC	England		77.2	91.1	116	3.45	0	0
County Hosp. Hereford	HCH	England		79.2	85.2	109	2.75	14	0
Craigavon Area Hosp.	CRG	N Ireland		100	100	72	0	0	0
Cromwell Hosp.	CRO	England	Private	5.9	NA	0	0	0	0
Croydon Univ. Hosp.	MAY	England		100	31.9	107	3.74	41	4.88
Cumberland Infirmary	CMI	England		97.5	97.9	81	7.41	0	0
Darent Valley Hosp.	DVH	England		98.6	99.2	162	1.85	2	0
Darlington Memorial Hosp.	DAR	England		86.4	94.8	114	0	0	0
Derriford Hosp.	PLY	England		97.7	97.3	312	4.49	43	6.98
Diana, Princess Of Wales Hosp. Grimsby	GGH	England		100	100	150	8.67	7	14.29
Doncaster Royal Infirmary	DID	England		99	99.7	200	3.5	0	0

Hosp.	Hosp code	Region	Type	NHS No. Completeness		Pacemakers		Complex devices (ICD/CRT)	
				2015/16	2016/17	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)
Dorset County Hosp.	WDH	England		99.3	100	221	4.52	62	6.45
Duchy Hosp., Truro	DUC	England	Private	80.5	16.4	45	4.44	32	12.5
Dumfries And Galloway Royal Infirmary	DMF	Scotland		47.6	NA	0	0	0	0
Ealing Hosp.	EAL	England		100	100	37	0	0	0
East Surrey Hosp.	ESU	England		99.7	99.8	177	2.26	14	0
Eastbourne District Gen. Hosp.	DGE	England		100	99.8	253	3.95	36	2.78
Edinburgh Royal Infirmary	ERI	Scotland		99.9	99.9	536	3.73	123	5.69
Epsom Hosp.	EPS	England		98.2	99.4	71	0	0	0
Fairfield Gen. Hosp.	BRY	England		99.8	99.9	155	0.65	39	2.56
Forth Valley Royal	FVH	Scotland		100	18.5	0	0	0	0
Freeman Hosp. Newcastle	FRE	England		99.4	99.4	345	6.38	362	9.39
Frenchay Hosp.	FRY	England		98.7	96.4	79	0	6	0
Frimley Park Hosp.	FRM	England		98	71.5	213	7.51	96	7.29
George Eliot Hosp.	NUN	England		87.3	7.8	56	3.57	0	0
Glan Clwyd District Gen. Hosp.	CLW	Wales		96.9	98.3	21	4.76	1	0
Glangwili Gen. Hosp.	WWG	Wales		31.5	74.5	33	3.03	0	0
Glenfield Hosp.	GRL	England		99.9	99.9	680	5.15	325	9.85
Gloucestershire Royal Hosp.	GLO	England		NA	NA	0	0	0	0
Golden Jubilee Hosp.	GJH	Scotland		3.5	1.5	1	0	0	0
Good Hope Hosp.	GHS	England		81.1	99.1	192	5.21	113	7.08
Gratham And District Hosp.	GRA	England		7.1	8.2	0	0	0	0
Great Ormond Street Hosp.	GOS	England	Children's	14.3	8	0	0	1	0
Gwynedd Hosp.	GWY	Wales		97.4	96.5	129	3.1	1	0
Hammersmith Hosp.	HAM	England		NA	99	0	0	0	0
Harefield Hosp.	HH	England		98.9	99	249	2.41	203	2.96
Harley Street Clinic	HSC	England	Private	0.5	0.6	0	0	0	0
Harrogate District Hosp.	HAR	England		97.9	99.6	110	2.73	11	0
Huddersfield Royal Infirmary	HUD	England		77.8	5.5	90	0	19	5.26

Hosp.	Hosp code	Region	Type	NHS No. Completeness		Pacemakers		Complex devices (ICD/CRT)	
				2015/16	2016/17	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)
John Radcliffe Hosp.	RAD	England		97.1	97.6	105	4.76	33	6.06
Kent Institute Of Medicine & Surgery	KIM	England	Private	NA	NA	0	0	0	0
Kettering Gen. Hosp.	KGH	England		99.8	100	236	6.78	115	5.22
King George Hosp. Goodmayes	KGG	England		100	99.7	191	3.14	0	0
Kings College Hosp.	KCH	England		98.5	99.6	227	5.29	114	3.51
Kings Mill Hosp.	KMH	England		100	99.7	148	2.7	62	4.84
Kingston Hosp.	KTH	England		99.2	100	94	0	0	0
Leeds Gen. Infirmary	LGI	England		99.4	99.9	407	4.42	243	4.94
Leeds Nuffield Hosp.	LNH	England	Private	NA	NA	0	0	0	0
Lewisham Hosp.	LEW	England		30.9	4.5	15	6.67	0	0
Lincoln County Hosp.	LIN	England		96.4	48.3	270	2.96	0	0
Lister Hosp.	LIS	England		77.4	41.4	157	3.18	0	0
Liverpool Heart & Chest Hosp.	BHL	England		100	100	418	5.26	404	3.96
London Bridge Hosp.	LBH	England	Private	2	NA	1	0	0	0
London Independent Hosp.	IND	England	Private	3.1	9.1	1	0	0	0
Luton & Dunstable Hosp.	LDH	England		98.8	100	156	1.28	0	0
Maidstone Hosp.	MAI	England		98.6	99.7	178	1.69	0	0
Manchester Royal Infirmary	MRI	England		5.6	4.8	1	0	0	0
Medway Maritime Hosp.	MDW	England		85.8	89.5	141	3.55	45	6.67
Milton Keynes Hosp.	MKH	England		86	96.9	86	0	16	0
Monklands District Gen. Hosp.	MDG	Scotland		5	NA	0	0	0	0
Morrison Hosp.	MOR	Wales		96.4	95.2	277	7.22	123	5.69
Musgrove Park Hosp.	MPH	England		99.7	99.6	149	4.7	44	9.09
Neville Hall Hosp.	NEV	Wales		91.4	100	4	0	0	0
New Cross Hosp. (Wolverhampton HC)	NCR	England		99.6	99.9	291	11	96	6.25
Norfolk & Norwich Univ. Hosp.	NOR	England		99.9	99.8	600	4.33	150	3.33
North Devon District Hosp.	NDD	England		75	87.6	3	0	2	0
North Middlesex Univ. Hosp.	NMH	England		69.2	1.3	43	0	0	0

Hosp.	Hosp code	Region	Type	NHS No. Completeness		Pacemakers		Complex devices (ICD/CRT)	
				2015/16	2016/17	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)
Northampton Gen. Hosp.	NTH	England		97.5	95.4	257	4.28	67	5.97
Northern Gen. Hosp. Sheffield	NGS	England		99.9	100	470	4.89	290	6.9
Northwick Park Hosp.	NPH	England		93.1	99	133	6.02	4	0
Nottingham City Hosp.	CHN	England		99.9	99.7	383	4.18	160	5.62
Papworth Hosp.	PAP	England		100	99.9	867	2.19	72	5.56
Peterborough City Hosp.	PET	England		100	100	241	1.66	0	0
Pilgrim Hosp.	PIL	England		100	95.4	15	0	0	0
Pinderfields Gen. Hosp.	PIN	England		99.7	99.8	268	1.49	122	7.38
Poole Hosp.	PGH	England		100	100	138	5.8	0	0
Prince Charles Hosp.	PCH	Wales		72	85	47	2.13	0	0
Princess Alexandra Hosp. Harlow	PAH	England		99	100	21	4.76	0	0
Princess Of Wales Hosp.	POW	Wales		1.9	NA	1	0	0	0
Princess Royal Hosp. Telford	TLF	England		71.1	15.7	105	1.9	25	0
Queen Alexandra Hosp.	QAP	England		99	100	323	6.19	114	7.02
Queen Elizabeth Hosp. Birmingham	QEB	England		27.4	99.1	70	7.14	21	9.52
Queen Elizabeth Hosp. Gateshead	QEG	England		79.9	90.4	82	7.32	0	0
Queen Elizabeth Hosp. Greenwich	GWH	England		100	99	152	4.61	35	8.57
Queen Elizabeth The Queen Mother Hosp.	QEQ	England		70.2	52.5	156	3.21	20	5
Queens Hosp. Burton	BRT	England		95.6	89.4	90	3.33	0	0
Rotherham Hosp.	ROT	England		100	100	120	5	0	0
Royal Albert Edward Infirmary	AEI	England		95.1	94.9	92	3.26	0	0
Royal Berkshire Hosp.	BHR	England		100	99.6	224	6.25	61	1.64
Royal Blackburn Hosp.	BLA	England		78.9	79.4	178	4.49	35	5.71
Royal Bolton Hosp.	BOL	England		95.6	95.7	118	5.08	145	7.59
Royal Bournemouth Hosp.	BOU	England		99.9	99.9	433	6.47	14	0
Royal Brompton Hosp.	NHB	England		93.3	95.8	290	4.83	254	8.27
Royal Cornwall Hosp.	RCH	England		99.7	100	315	6.35	100	10
Royal Derby Hosp.	DER	England		98.9	100	199	4.52	6	16.67

Hosp.	Hosp code	Region	Type	NHS No. Completeness		Pacemakers		Complex devices (ICD/CRT)	
				2015/16	2016/17	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)
Royal Devon & Exeter Hosp.	RDE	England		87.5	57.7	380	3.68	94	6.38
Royal Free Hosp.	RFH	England		98.6	97.1	110	5.45	25	0
Royal Glamorgan Hosp.	RGH	Wales		82	93.1	81	0	24	4.17
Royal Gwent Hosp.	GWE	Wales		94.9	97.9	156	1.92	0	0
Royal Hosp.s Belfast	RVB	N Ireland		0.2	NA	0	0	0	0
Royal Infirmary Aberdeen	RIA	Scotland		33.1	21.3	17	0	93	4.3
Royal Liverpool Univ. Hosp.	RLU	England		41	0.7	56	3.57	0	0
Royal Preston Hosp.	RPH	England		96.8	85.6	178	7.3	0	0
Royal Surrey County Hosp.	RSU	England		60.2	28.6	35	0	7	0
Royal Sussex County Hosp.	RSC	England		100	99.9	313	4.79	126	5.56
Royal United Hosp. Bath	BAT	England		100	99.2	269	4.83	0	0
Russells Hall Hosp.	RUS	England		86.2	97.6	114	1.75	66	12.12
Salford Royal Hosp.	SLF	England		100	100	121	2.48	1	0
Salisbury District Hosp.	SAL	England		86.2	99.1	146	6.16	32	3.12
Scarborough Hosp.	SCA	England		77.8	15	118	0	0	0
Scunthorpe Gen. Hosp.	SCU	England		99	100	82	6.1	0	0
Solihull Hosp.	SOL	England		85.3	99.3	189	6.35	0	0
South Tyneside District Hosp.	STD	England		92.2	96.9	90	2.22	0	0
Southampton Gen. Hosp.	SGH	England		98.7	99.8	0	0	0	0
Southend Univ. Hosp.	SEH	England		100	100	201	4.98	0	0
Spire Bristol	GHB	England	Private	NA	NA	0	0	0	0
Spire Hosp. Cardiff	SPC	Wales	Private	4.8	NA	0	0	0	0
Spire Hull And East Riding Hosp.	HBP	England	Private	NA	14.3	0	0	0	0
Spire Leeds Hosp.	LEB	England	Private	NA	NA	0	0	0	0
Spire Southampton Hosp.	CBS	England	Private	4.8	3.1	1	0	0	0
St Antonys Hosp.	ANT	England	Private	NA	NA	0	0	0	0
St Georges Hosp.	GEO	England		91	95.3	278	1.44	175	3.43
St Marys Hosp. Isle Of Wight	IOW	England		94.1	89.7	55	1.82	0	0

Hosp.	Hosp code	Region	Type	NHS No. Completeness		Pacemakers		Complex devices (ICD/CRT)	
				2015/16	2016/17	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)
St Peters Hosp.	SPH	England		98.2	99.6	245	4.49	108	4.63
St Richards Hosp.	STR	England		95.6	96.1	156	4.49	34	2.94
St Thomas Hosp.	STH	England		96.7	96.7	215	5.58	197	12.18
Stepping Hill Hosp.	SHH	England		99.6	100	104	0.96	0	0
Tameside Hosp.	TGA	England		88.6	93.9	153	1.31	0	0
The Great Western Hosp.	PMS	England		98.3	99.5	263	4.56	11	9.09
The Ipswich Hosp.	IPS	England		100	100	353	3.97	0	0
The James Cook Univ. Hosp.	SCM	England		99.9	100	281	3.56	219	7.76
The Princess Royal Univ. Hosp. Bromley	BRO	England		94	93.8	59	1.69	0	0
The York Hosp.	YDH	England		75.3	36	93	2.15	10	0
Torbay Hosp.	TOR	England		76.2	32.8	4	25	1	0
Trafford Gen. Hosp.	TRA	England		87	88.9	21	4.76	0	0
Univ. Hosp. Coventry	WAL	England		99.6	100	100	7	36	5.56
Univ. Hosp. Of Hartlepool	HGH	England		100	100	131	3.05	3	33.33
Univ. Hosp. Of North Durham	DRY	England		97.9	100	106	0.94	0	0
Univ. Hosp. Of North Staffs	STO	England		61.7	97	433	17.55	232	12.07
Univ. Hosp. Of Wales	UHW	Wales		75.1	19.4	274	5.11	111	2.7
Victoria Hosp. Kirkcaldy	KIR	Scotland		83	95.7	71	0	8	0
Walsall Manor Hosp.	WMH	England		77.1	21.8	154	1.95	40	0
Wansbeck Gen. Hosp.	ASH	England		83.1	50.4	235	3.83	87	4.6
Warrington Hosp.	WDG	England		62.5	88.5	28	3.57	0	0
Warwick Hosp.	WAR	England		91.2	96.4	97	2.06	44	4.55
Watford Gen. Hosp.	WAT	England		98.5	98	311	1.93	70	5.71
Wellington Hosp. North	HHW	England	Private	2.5	2.2	0	0	0	0
Westmoreland Gen. Hosp.	WGK	England		94	96.3	82	2.44	4	0
Weston Gen. Hosp.	WGH	England		93.5	93.8	28	7.14	0	0
Wexham Park Hosp.	WEX	England		99.8	99.1	180	2.78	37	2.7
Whipps Cross Univ. Hosp.	WHC	England		96.4	94.2	56	7.14	0	0

Hosp.	Hosp code	Region	Type	NHS No. Completeness		Pacemakers		Complex devices (ICD/CRT)	
				2015/16	2016/17	No. index procedures	Reintervention (%)	No. index procedures	Reintervention (%)
Whiston Hosp.	WHI	England		98.1	97.1	120	4.17	0	0
William Harvey Hosp.	WHH	England		87.2	26	149	3.36	23	8.7
Worcestershire Royal Hosp.	WRC	England		98.5	98.5	37	5.41	41	4.88
Worthing Hosp.	WRG	England		100	99.8	232	4.31	10	0
Wycombe Hosp.	AMG	England		100	99.7	212	4.25	0	0
Wythenshawe Hosp.	WYT	England		99.9	100	23	17.39	1	100
Yeovil District Hosp.	YEO	England		26.7	62.6	45	0	0	0
Yorkshire Clinic	YKC	England	Private	8.3	NA	0	0	0	0