

CRM Device Procedures 2016/17: 1-Year Reintervention Rates

Only first implants during 2016/17 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 (at the same Hosp. or any other). Reinterventions have been identified where either NHS No. or [Centre + Hosp. No] recurs (the latter has been included in this year's audit to improve sensitivity). For each patient, only the first reintervention has been counted.

NHS No. completeness for each centre in 2016/17 and 2017/18 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.

In accordance with ONS guidance, exact data have been suppressed where case numbers are less than 3, to ensure anonymity of the patient data included in the reporting.

Hospital	Hospital code	Region	Category	NHS No Completeness %		New Pacemaker Implants 2016/17		New ICD/CRT Implants 2016/17	
				2016/17	2017/18	Index Cases	% Reinterv. 1 yr FU	Index Cases	% Reinterv. 1 yr FU
Addenbrookes Hospital	ADD	England	NHS Adult	99.6	99.4	208	3.85	69	0
Aintree University Hospital	FAZ	England	NHS Adult	99.5	100	155	2.58	0	
Airedale General Hospital	AIR	England	NHS Adult	100	100	113	2.65	47	6.38
Alder Hey Hospital	ACH	England	Children's	91.3	100	14	0	<3	0
Arrowe Park Hospital	WIR	England	NHS Adult	99.7	100	248	2.02	0	
Barnet General Hospital	BNT	England	NHS Adult	99	98.7	272	6.25	97	3.09
Barnsley Hospital	BAR	England	NHS Adult	100	100	123	4.88	0	
Barts And The London	BAL	England	NHS Adult	99.3	99.5	768	7.94	360	11.67
Basildon Hospital	BAS	England	NHS Adult	98.1	99.6	380	4.21	240	3.33
Basingstoke & North Hampshire Hospital	NHH	England	NHS Adult	99.7	100	254	3.94	73	12.33
Bedford Hospital	BED	England	NHS Adult	100	98	115	3.48	0	
Belfast City Hospital	BFT	N Ireland	NHS Adult	0.3	0	372	4.03	152	8.55
Birmingham Children's Hospital	BCH	England	Children's	82.3	96.6	12	0	0	
Birmingham City Hospital	DUD	England	NHS Adult	98.9	98.5	179	3.91	88	3.41
Blackpool Victoria Hospital	VIC	England	NHS Adult	89.4	95	262	4.96	164	4.88
BMI The Alexandra Hospital	AHM	England	Private	1.1	0	10	0	<3	0
BMI The Meriden Hospital	BMI	England	Private	9.1	3.8	0		<3	0
Bradford Royal Infirmary	BRD	England	NHS Adult	99.1	100	152	0	54	5.56
Bristol Royal Hospital For Children	BRC	England	Children's	98.7	98.2	15	0	3	0
Bristol Royal Infirmary	BRI	England	NHS Adult	99.8	99.6	410	3.66	269	2.97
Broomfield Hospital	BFH	England	NHS Adult	100	100	101	2.97	0	
Calderdale Royal Hospital	RHI	England	NHS Adult	98.5	99.4	119	5.04	41	4.88
Castle Hill Hospital	CHH	England	NHS Adult	99.5	100	388	4.12	115	6.09
Central Middlesex Hospital	CMH	England	NHS Adult	100	94.3	34	8.82	3	0
Chelsea & Westminster Hospital	WES	England	NHS Adult	97.5	100	21	4.76	<3	0

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Cheltenham General Hospital	CHG	England	NHS Adult	99.6	99.4	324	3.7	100	4
Chesterfield Royal Hospital	CHE	England	NHS Adult	100	100	117	2.56	0	
Colchester General Hospital	COL	England	NHS Adult	99.8	98.1	244	3.69	<3	0
Conquest Hospital	CGH	England	NHS Adult	100	100	150	2.67	13	7.69
Countess Of Chester Hospital	COC	England	NHS Adult	100	100	206	1.94	0	
County Hospital Hereford	HCH	England	NHS Adult	85.2	99.4	89	4.49	26	0
Cromwell Hospital	CRO	England	Private	0	0	7	0	<3	0
Croydon University Hospital	MAY	England	NHS Adult	41.5	0	225	1.33	85	2.35
Cumberland Infirmary	CMI	England	NHS Adult	97.9	98.5	115	5.22	0	
Darent Valley Hospital	DVH	England	NHS Adult	99.6	97.9	183	4.92	9	0
Darlington Memorial Hospital	DAR	England	NHS Adult	96.3	99.1	161	0	0	
Diana, Princess Of Wales Hospital Grimsby	GGH	England	NHS Adult	100	100	154	3.25	13	15.38
Doncaster Royal Infirmary	DID	England	NHS Adult	99.7	99.7	232	5.6	0	
Dorset County Hospital	WDH	England	NHS Adult	100	100	217	5.53	52	7.69
Duchy Hospital, Truro	DUC	England	Private	99.5	100	58	5.17	34	14.71
Ealing Hospital	EAL	England	NHS Adult	100	100	44	0	0	
East Surrey Hospital	ESU	England	NHS Adult	99.5	98.5	258	2.33	31	3.23
Eastbourne District General Hospital	DGE	England	NHS Adult	99.8	99.7	259	3.47	31	6.45
Edinburgh Royal Infirmary	ERI	Scotland	NHS Adult	98	0	558	5.2	100	5
Epsom Hospital	EPS	England	NHS Adult	99.4	99.4	6	0	0	
Exeter Heart	EXH	England	Private	0	0	<3	0	0	
Fairfield General Hospital	BRY	England	NHS Adult	99.9	100	292	2.74	111	4.5
Forth Valley Royal	FVH	Scotland	NHS Adult	92.7	100	13	0	8	0
Freeman Hospital Newcastle	FRE	England	NHS Adult	99.4	99.6	357	5.6	353	7.93
Frenchay Hospital	FRY	England	NHS Adult	97.1	95.5	108	0.93	4	0
Frimley Park Hospital	FRM	England	NHS Adult	99.8	100	233	3.86	84	5.95
George Eliot Hospital	NUN	England	NHS Adult	97.1	94.4	53	1.89	0	
Glan Clwyd District General Hospital	CLW	Wales	NHS Adult	98.3	97.4	73	4.11	0	
Glangwili General Hospital	WWG	Wales	NHS Adult	82.7	95.9	129	3.88	0	
Glenfield Hospital	GRL	England	NHS Adult	99.9	99.8	666	3.6	322	6.52
Gloucestershire Royal Hospital	GLO	England	NHS Adult	100	73.7	0		0	
Golden Jubilee Hospital	GJH	Scotland	NHS Adult	2.4	1.7	15	13.33	117	8.55
Good Hope Hospital	GHS	England	NHS Adult	99.1	94.5	224	3.57	153	5.88
Grantham and District Hospital	GRA	England	NHS Adult	100	100	0		0	
Great Ormond Street Hospital	GOS	England	Children's	25.3	100	22	4.55	5	20
Gwynedd Hospital	GWY	Wales	NHS Adult	94.7	97	143	2.8	0	
Hammersmith Hospital	HAM	England	NHS Adult	99	98.8	453	2.43	202	3.96
Harefield Hospital	HH	England	NHS Adult	99.1	99.4	253	4.35	227	4.85
Harley Street Clinic	HSC	England	Private	0.6	0	71	4.23	21	0
Harrogate District Hospital	HAR	England	NHS Adult	99.6	98.6	121	0	4	0
Huddersfield Royal Infirmary	HUD	England	NHS Adult	97.7	96.9	130	6.15	51	1.96
John Radcliffe Hospital	RAD	England	NHS Adult	97.6	97.8	352	6.25	183	11.48

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Kent Institute Of Medicine And Surgery	KIM	England	Private	0	0	33	3.03	12	0
Kettering General Hospital	KGH	England	NHS Adult	100	99.5	212	10.85	103	3.88
King George Hospital Goodmayes	KGG	England	NHS Adult	99.7	99.7	208	3.37	0	
Kings College Hospital	KCH	England	NHS Adult	99.6	99.2	267	2.62	161	6.21
Kings Mill Hospital	KMH	England	NHS Adult	99.7	100	178	3.37	91	5.49
Kingston Hospital	KTH	England	NHS Adult	100	99.2	91	5.49	0	
Leeds General Infirmary	LGI	England	NHS Adult	99.9	99.8	384	4.17	201	5.97
Lewisham Hospital	LEW	England	NHS Adult	95.5	75	32	0	0	
Lincoln County Hospital	LIN	England	NHS Adult	100	100	239	3.77	0	
Lister Hospital	LIS	England	NHS Adult	97.5	98.7	209	4.31	0	
Liverpool Heart & Chest Hospital	BHL	England	NHS Adult	100	99.7	314	3.18	523	3.63
London Bridge Hospital	LBH	England	Private	1.5	0	77	2.6	30	0
London Independent Hospital	IND	England	Private	2.7	0	15	0	3	0
Luton & Dunstable Hospital	LDH	England	NHS Adult	100	100	155	2.58	0	
Maelor Hospital Wrexham	WRX	Wales	NHS Adult	NA	94.9	0		0	
Maidstone Hospital	MAI	England	NHS Adult	99.7	99.7	206	8.74	<3	0
Manchester Royal Infirmary	MRI	England	NHS Adult	92.7	99.6	264	7.58	207	9.18
Medway Maritime Hospital	MDW	England	NHS Adult	90.1	91.9	181	1.1	67	5.97
Milton Keynes Hospital	MKH	England	NHS Adult	99.4	100	129	5.43	40	2.5
Monklands District General Hospital	MDG	Scotland	NHS Adult	0	0	35	0	0	
Morrison Hospital	MOR	Wales	NHS Adult	91	96.9	307	6.19	133	3.76
Musgrove Park Hospital	MPH	England	NHS Adult	99.6	99.5	252	3.97	34	8.82
New Cross Hospital (Wolverhampton Heart Centre)	NCR	England	NHS Adult	99.9	98.7	280	11.43	115	7.83
Norfolk & Norwich University Hospital	NOR	England	NHS Adult	99.8	99.9	647	3.71	137	2.19
North Devon District Hospital	NDD	England	NHS Adult	92.5	94.7	34	0	17	0
North Middlesex University Hospital	NMH	England	NHS Adult	31.4	92.6	26	0	4	0
Northampton General Hospital	NTH	England	NHS Adult	95.7	90.5	294	5.1	53	3.77
Northern General Hospital Sheffield	NGS	England	NHS Adult	100	100	404	3.47	272	6.25
Northwick Park Hospital	NPH	England	NHS Adult	99.1	98.4	200	3.5	9	0
Nottingham City Hospital	CHN	England	NHS Adult	99.7	99.6	393	4.83	188	5.85
Papworth Hospital	PAP	England	NHS Adult	99.9	100	685	2.77	304	6.58
Peterborough City Hospital	PET	England	NHS Adult	100	99.3	219	2.74	0	
Pilgrim Hospital	PIL	England	NHS Adult	98	96.9	107	0	0	
Pinderfields General Hospital	PIN	England	NHS Adult	99.8	99.7	217	3.69	128	2.34
Poole Hospital	PGH	England	NHS Adult	100	100	134	5.97	0	
Prince Charles Hospital	PCH	Wales	NHS Adult	100	100	117	4.27	<3	0
Princess Alexandra Hospital Harlow	PAH	England	NHS Adult	100	100	146	1.37	0	
Princess Of Wales Hospital	POW	Wales	NHS Adult	9.2	14	3	0	<3	0
Princess Royal Hospital Telford	TLF	England	NHS Adult	96.5	99.2	250	2.4	74	6.76
Queen Alexandra Hospital	QAP	England	NHS Adult	100	100	340	5.29	165	7.88
Queen Elizabeth Hospital Birmingham	QEB	England	NHS Adult	99.1	99.2	231	4.76	95	5.26
Queen Elizabeth Hospital Gateshead	QEG	England	NHS Adult	90.5	90.3	94	1.06	0	

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Queen Elizabeth Hospital Greenwich	GWH	England	NHS Adult	99	100	160	6.88	41	9.76
Queen Elizabeth The Queen Mother Hospital	QEQ	England	NHS Adult	73.8	85.4	193	4.66	43	0
Queens Hospital Burton	BRT	England	NHS Adult	89.4	98.1	114	0	0	
Rotherham Hospital	ROT	England	NHS Adult	100	100	114	5.26	0	
Royal Albert Edward Infirmary	AEI	England	NHS Adult	94.9	95.3	135	2.22	0	
Royal Berkshire Hospital	BHR	England	NHS Adult	99.6	100	256	3.91	64	6.25
Royal Blackburn Hospital	BLA	England	NHS Adult	99.2	99.8	245	5.71	38	13.16
Royal Bolton Hospital	BOL	England	NHS Adult	95.7	97.4	133	3.01	150	6.67
Royal Bournemouth Hospital	BOU	England	NHS Adult	99.9	99.8	271	6.27	178	6.18
Royal Brompton Hospital	NHB	England	NHS Adult	96	95.2	302	4.3	232	4.74
Royal Cornwall Hospital	RCH	England	NHS Adult	100	100	187	5.35	88	7.95
Royal Derby Hospital	DER	England	NHS Adult	100	100	223	2.69	76	0
Royal Devon & Exeter Hospital	RDE	England	NHS Adult	99.8	99.1	395	3.8	116	4.31
Royal Free Hospital	RFH	England	NHS Adult	97.1	94.7	46	2.17	9	22.22
Royal Glamorgan Hospital	RGH	Wales	NHS Adult	99.5	100	98	4.08	15	0
Royal Hospitals Belfast	RVB	N Ireland	NHS Adult	0	0	256	7.03	148	8.78
Royal Infirmary Aberdeen	RIA	Scotland	NHS Adult	21.3	4.2	194	0	44	2.27
Royal Liverpool University Hospital	RLU	England	NHS Adult	93.4	98.5	77	5.19	0	
Royal Preston Hospital	RPH	England	NHS Adult	85.4	98.9	126	4.76	0	
Royal Surrey County Hospital	RSU	England	NHS Adult	94.4	97.2	56	5.36	14	0
Royal Sussex County Hospital	RSC	England	NHS Adult	99.9	99.7	253	3.95	117	5.13
Royal United Hospital Bath	BAT	England	NHS Adult	99.2	98.6	342	5.56	0	
Russells Hall Hospital	RUS	England	NHS Adult	97.7	98.5	117	4.27	72	6.94
Salford Royal Hospital	SLF	England	NHS Adult	100	100	124	0	0	
Salisbury District Hospital	SAL	England	NHS Adult	99.1	99.6	120	3.33	38	5.26
Scarborough Hospital	SCA	England	NHS Adult	93.4	97.1	147	2.04	0	
Scunthorpe General Hospital	SCU	England	NHS Adult	100	100	38	2.63	0	
Solihull Hospital	SOL	England	NHS Adult	99.4	98.9	202	6.44	<3	0
South Tyneside District Hospital	STD	England	NHS Adult	96.9	95.4	84	0	0	
Southampton General Hospital	SGH	England	NHS Adult	99.8	99.9	378	6.08	143	5.59
Southend University Hospital	SEH	England	NHS Adult	100	99.7	161	8.07	0	
Spire Bristol	GHB	England	Private	2.8	2	17	0	0	
Spire Hospital Cardiff	SPC	Wales	Private	0	0	<3	0	<3	0
Spire Hull And East Riding Hospital	HBP	England	Private	21.4	9.1	6	0	4	0
Spire Nottingham Hospital	SPN	England	Private	NA	0	0		0	
Spire Southampton Hospital	CBS	England	Private	3.1	2.7	10	0	7	0
St Anthony's Hospital	ANT	England	Private	0	0	24	0	3	0
St George's Hospital	GEO	England	NHS Adult	95.4	95.2	365	2.19	198	3.54
St Mary's Hospital Isle Of Wight	IOW	England	NHS Adult	89.9	95.2	54	3.7	0	
St Peter's Hospital	SPH	England	NHS Adult	99.6	100	250	4.8	98	3.06
St Richard's Hospital	STR	England	NHS Adult	96.4	96.7	208	7.21	44	9.09
St Thomas' Hospital	STH	England	NHS Adult	97.1	97.1	297	9.76	182	11.54

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Sunderland Royal Hospital	SUN	England	NHS Adult	NA	100	0		0	
Tameside Hospital	TGA	England	NHS Adult	93.9	96.7	177	1.13	0	
The Great Western Hospital	PMS	England	NHS Adult	99.5	99.6	189	4.76	86	9.3
The Ipswich Hospital	IPS	England	NHS Adult	100	100	384	2.86	0	
The James Cook University Hospital	SCM	England	NHS Adult	100	100	373	4.56	249	7.23
The Princess Royal University Hospital Bromley	BRO	England	NHS Adult	94.4	92.4	11	0	0	
The York Hospital	YDH	England	NHS Adult	91.1	98.2	197	1.52	51	3.92
Torbay Hospital	TOR	England	NHS Adult	97.4	96	166	2.41	30	10
Trafford General Hospital	TRA	England	NHS Adult	89.6	100	23	0	0	
University Hospital Coventry	WAL	England	NHS Adult	100	100	195	1.54	95	11.58
University Hospital Of Hartlepool	HGH	England	NHS Adult	100	100	216	0	53	0
University Hospital Of North Durham	DRY	England	NHS Adult	100	100	42	0	0	
University Hospital Of North Staffs	STO	England	NHS Adult	97	99.1	616	3.08	347	3.75
University Hospital Of Wales	UHW	Wales	NHS Adult	86.2	85.4	303	2.97	173	5.78
Victoria Hospital Kirkcaldy	KIR	Scotland	NHS Adult	96.7	97.7	101	2.97	33	0
Walsall Manor Hospital	WMH	England	NHS Adult	98	96.5	170	3.53	64	3.12
Wansbeck General Hospital	ASH	England	NHS Adult	97	96.9	265	1.13	89	8.99
Warrington Hospital	WDG	England	NHS Adult	96.8	100	116	3.45	0	
Warwick Hospital	WAR	England	NHS Adult	96.4	98.2	141	1.42	25	0
Watford General Hospital	WAT	England	NHS Adult	98.1	98.9	295	1.36	85	3.53
Wellington Hospital North	HHW	England	Private	2.1	0.5	81	3.7	17	0
Westmoreland General Hospital	WGK	England	NHS Adult	96.3	95.2	101	0.99	17	0
Wexham Park Hospital	WEX	England	NHS Adult	99.1	99.8	235	3.4	57	3.51
Whipps Cross University Hospital	WHC	England	NHS Adult	100	100	54	3.7	0	
Whiston Hospital	WHI	England	NHS Adult	97.5	97.1	146	2.74	0	
William Harvey Hospital	WHH	England	NHS Adult	94.9	98.3	181	2.21	53	3.77
Wishaw General Hospital	WIS	England	NHS Adult	99.1	97.9	68	0	0	
Worcestershire Royal Hospital	WRC	England	NHS Adult	98.5	99.7	249	1.61	115	4.35
Worthing Hospital	WRG	England	NHS Adult	99.8	100	250	5.2	114	1.75
Wycombe Hospital	AMG	England	NHS Adult	99.7	100	265	6.79	7	0
Wythenshawe Hospital	WYT	England	NHS Adult	100	100	0		0	
Yeovil District Hospital	YEO	England	NHS Adult	65.1	79.5	108	1.85	<3	0
Yorkshire Clinic	YKC	England	Private	37.5	30	4	0	0	