

Ablation Procedures 2017/18: 2-Year Reintervention Rates

Each ablation procedure during 2017/18 (irrespective of whether it was the patient's first) has been considered an index procedure and the patient followed for 730 days to determine whether that patient has undergone a further ablation of the same (or related) target.

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".

Reinterventions have been identified where either NHS No, or [Centre + Hospital No], recur (the latter has been included in this year's audit to improve sensitivity). For each patient, only the first reintervention has been counted.

"Tier 1" centres submitted >90% NHS Nos during both the index year (2017/18) and follow up (2018/19 and 2019/20): their reintervention rates are considered credible.

"Tier 2" centres did not achieve sufficient NHS No. submission for their reintervention rates to be credible (the true rates are likely to be significantly higher): they are therefore greyed out and represented as hollow markers in the funnel chart of the report.

Centres coloured pink have significantly very high reintervention rates (≥ 3 SE above national mean); those coloured orange have rates ≥ 1.96 SE above national mean.

Centres coloured green have significantly low reintervention rates ≥ 2 SE below national mean.

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 %				Simple ablations		Complex atrial ablations		Ventricular ablations	
				Completeness	Completeness	Completeness	Tier	Index Cases	Reintervention (%)	Index Cases	Reintervention (%)	Index Cases	Reintervention (%)
				NHS No 2017-18	NHS No 2018-19	NHS No 2019-20							
Alder Hey Hospital	ACH	England	Children's	100	100	100	Tier 1	38	5.26	<3	0	0	0
Barts & The London	BAL	England	NHS Adult	99.2	99.3	99.1	Tier 1	502	2.59	873	19.82	104	17.31
Basildon Hospital	BAS	England	NHS Adult	99.5	100	100	Tier 1	231	6.93	154	16.88	13	23.08
Belfast City Hospital	BFT	N Ireland	NHS Adult	NA	NA	NA	Tier 1	0	0	0	0	0	0
Birmingham Children's Hospital	BCH	England	Children's	98.2	96.5	100	Tier 1	39	12.82	5	0	0	0
Blackpool Victoria Hospital	VIC	England	NHS Adult	91.6	94.4	92.5	Tier 1	279	5.02	279	11.47	20	10
BMI The Alexandra Hospital	AHM	England	Private	7.1	9.1	0	Tier 2	12	8.33	8	0	0	0
BMI The Meriden Hospital	BMI	England	Private	2.6	5.9	2.5	Tier 2	29	0	50	8	<3	50
BMI The Priory Hospital Birmingham	PHB	England	Private	1.4	0	0	Tier 2	22	0	42	19.05	<3	0
Bristol Royal Hospital for Children	BRC	England	Children's	6.8	NA	NA	Tier 2	59	1.69	3	0	7	0
Bristol Royal Infirmary	BRI	England	NHS Adult	99.5	99.2	99.6	Tier 1	0	0	0	0	0	0
Castle Hill Hospital	CHH	England	NHS Adult	99.7	100	99.8	Tier 1	189	2.12	137	2.92	12	8.33
Conquest Hospital	CGH	England	NHS Adult	100	NA	NA	Tier 1	<3	0	0	0	0	0
Cromwell Hospital	CRO	England	Private	0	0	0	Tier 2	35	0	87	12.64	6	0
Derriford Hospital	PLY	England	NHS Adult	99.2	98.9	98.1	Tier 1	117	3.42	133	10.53	18	5.56
Eastbourne District General Hospital	DGE	England	NHS Adult	100	99.8	99.8	Tier 1	211	5.69	207	13.04	26	11.54
Edinburgh Royal Infirmary	ERI	Scotland	NHS Adult	3.9	4.4	92.7	Tier 2	506	1.98	258	8.91	33	6.06
Edith Cavell Hospital	ECH	England	NHS Adult	NA	NA	NA	Tier 1	0	0	0	0	0	0
Exeter Heart	EXH	England	Private	0	1.3	62.6	Tier 2	5	0	6	0	0	0
Freeman Hospital Newcastle	FRE	England	NHS Adult	99.5	98.6	99.3	Tier 1	309	3.88	407	11.55	51	13.73
Frimley Park Hospital	FRM	England	NHS Adult	99.2	100	100	Tier 1	92	3.26	10	20	0	0
Glenfield Hospital	GRL	England	NHS Adult	100	100	100	Tier 1	306	4.58	265	16.6	53	9.43
Golden Jubilee Hospital	GJH	Scotland	NHS Adult	100	100	100	Tier 1	260	6.15	156	11.54	4	25
Great Ormond Street Hospital	GOS	England	Children's	94.5	89.3	92.2	Tier 2	79	5.06	6	0	6	16.67
Harefield Hospital	HH	England	NHS Adult	99.8	99.7	98.8	Tier 1	127	4.72	388	15.46	51	13.73
Harley Street Clinic	HSC	England	Private	0	NA	NA	Tier 2	100	4	158	4.43	6	0
Hospital of St Cross	RUG	England	NHS Adult	NA	NA	100	Tier 1	0	0	0	0	0	0
John Radcliffe Hospital	RAD	England	NHS Adult	93.3	93.2	93.9	Tier 1	364	3.02	414	19.32	57	12.28
Kent Institute Of Medicine & Surgery	KIM	England	Private	0	NA	NA	Tier 2	<3	0	0	0	0	0
Kings College Hospital	KCH	England	NHS Adult	99.6	98.7	99.1	Tier 1	229	6.99	151	19.87	43	13.95
Leeds General Infirmary	LGI	England	NHS Adult	100	99.9	NA	Tier 1	370	3.51	301	16.28	63	14.29
Liverpool Heart & Chest Hospital	BHL	England	NHS Adult	99.9	99.7	99.9	Tier 1	428	5.61	454	14.54	62	14.52
London Bridge Hospital	LBH	England	Private	0.5	NA	NA	Tier 2	59	0	136	7.35	18	0

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				NHS No 2017-18	NHS No 2018-19	NHS No 2019-20							
Maidstone Hospital	MAI	England	NHS Adult	100	100	98.9	Tier 1	118	7.63	0	0	<3	0
Manchester Royal Infirmary	MRI	England	NHS Adult	97.5	96.4	98.8	Tier 1	170	4.71	87	11.49	15	53.33
Morrison Hospital	MOR	Wales	NHS Adult	81.6	92	100	Tier 2	85	3.53	56	14.29	4	0
New Cross Hospital (Wolverhampton Heart Centre)	NCR	England	NHS Adult	99.4	100	100	Tier 1	175	3.43	128	12.5	17	5.88
Norfolk & Norwich University Hospital	NOR	England	NHS Adult	100	100	99.7	Tier 1	150	5.33	10	50	3	33.33
North Middlesex University Hospital	NMH	England	NHS Adult	91.7	81.8	73.7	Tier 2	8	0	0	0	0	0
Northampton General Hospital	NTH	England	NHS Adult	NA	NA	NA	Tier 1	0	0	0	0	0	0
Northern General Hospital Sheffield	NGS	England	NHS Adult	100	100	100	Tier 1	150	1.33	111	11.71	16	6.25
Nottingham City Hospital	CHN	England	NHS Adult	100	100	100	Tier 1	172	5.81	91	17.58	18	16.67
Papworth Hospital	PAP	England	NHS Adult	99.9	100	100	Tier 1	508	5.31	467	19.27	69	11.59
Queen Alexandra Hospital	QAP	England	NHS Adult	100	100	98.6	Tier 1	100	1	94	25.53	6	50
Queen Elizabeth Hospital Birmingham	QEB	England	NHS Adult	99.9	100	99.7	Tier 1	264	4.55	325	22.15	33	12.12
Queen Elizabeth Hospital Gateshead	QEG	England	NHS Adult	NA	NA	NA	Tier 1	0	0	0	0	0	0
Queen Elizabeth The Queen Mother Hospital	QEQ	England	NHS Adult	96.1	95.2	100	Tier 1	63	7.94	<3	100	0	0
Royal Berkshire Hospital	BHR	England	NHS Adult	100	100	100	Tier 1	31	3.23	0	0	0	0
Royal Blackburn Hospital	BLA	England	NHS Adult	NA	NA	100	Tier 1	0	0	0	0	0	0
Royal Bournemouth Hospital	BOU	England	NHS Adult	99.8	100	99.9	Tier 1	289	5.88	248	19.76	16	18.75
Royal Brompton Hospital	NHB	England	NHS Adult	94.2	95.2	91	Tier 1	281	8.54	513	19.3	68	16.18
Royal Cornwall Hospital	RCH	England	NHS Adult	100	100	100	Tier 1	32	9.38	0	0	0	0
Royal Devon & Exeter Hospital	RDE	England	NHS Adult	100	100	99.2	Tier 1	157	3.18	127	21.26	8	12.5
Royal Hospital Belfast	RVB	N Ireland	NHS Adult	NA	NA	NA	Tier 1	0	0	0	0	0	0
Royal Infirmary Aberdeen	RIA	Scotland	NHS Adult	98.8	NA	NA	Tier 1	82	1.22	48	0	7	0
Royal Preston Hospital	RPH	England	NHS Adult	NA	100	NA	Tier 1	0	0	0	0	0	0
Royal Surrey County Hospital	RSU	England	NHS Adult	98.5	95.2	100	Tier 1	45	4.44	3	33.33	0	0
Royal Sussex County Hospital	RSC	England	NHS Adult	99.8	99.8	100	Tier 1	235	2.98	281	10.68	59	13.56
Russells Hall Hospital	RUS	England	NHS Adult	NA	NA	NA	Tier 1	0	0	0	0	0	0
Southampton General Hospital	SGH	England	NHS Adult	99.7	100	97.5	Tier 1	295	6.44	199	22.61	29	27.59
Spire Bristol	GHB	England	Private	37.9	32.4	31.6	Tier 2	49	6.12	160	16.88	<3	0
Spire Hospital Cardiff	SPC	Wales	Private	2.3	55.6	36.5	Tier 2	17	0	20	0	0	0
Spire Hull & East Riding Hospital	HBP	England	Private	14.8	35	29.6	Tier 2	6	16.67	19	0	0	0
Spire Leeds Hospital	LEB	England	Private	NA	NA	33.3	Tier 2	0	0	0	0	0	0
Spire Manchester Hospital	SMH	England	Private	NA	NA	NA	Tier 1	0	0	0	0	0	0
Spire Nottingham Hospital	SPN	England	Private	NA	0	0	Tier 2	0	0	0	0	0	0
Spire Southampton Hospital	CBS	England	Private	19.4	80	57.1	Tier 2	31	0	36	0	3	0
St Anthony's Hospital	ANT	England	Private	NA	NA	0	Tier 2	0	0	0	0	0	0
St George's Hospital	GEO	England	NHS Adult	100	99.8	99.7	Tier 1	276	6.52	464	11.42	110	11.82
St Richard's Hospital	STR	England	NHS Adult	NA	NA	NA	Tier 1	0	0	0	0	0	0
St Thomas' Hospital	STH	England	NHS Adult	97.7	99.4	96.9	Tier 1	276	4.35	372	18.55	42	14.29
The James Cook University Hospital	SCM	England	NHS Adult	99.7	99.5	99.4	Tier 1	198	5.56	130	33.08	22	4.55
University College Hospital	UCL	England	NHS Adult	NA	NA	NA	Tier 1	0	0	0	0	0	0
University Hospital Coventry	WAL	England	NHS Adult	99.9	99.9	100	Tier 1	444	2.93	143	6.29	28	10.71
University Hospital of North Staffs	STO	England	NHS Adult	90.9	93.6	93.4	Tier 1	165	4.24	79	13.92	20	10
University Hospital of Wales	UHW	Wales	NHS Adult	99.3	99.6	100	Tier 1	149	1.34	55	10.91	9	22.22
Warwick Hospital	WAR	England	NHS Adult	100	NA	NA	Tier 1	0	0	0	0	0	0
Watford General Hospital	WAT	England	NHS Adult	100	90.4	96.4	Tier 1	68	1.47	3	0	0	0
Wellington Hospital North	HHW	England	Private	0	NA	NA	Tier 2	38	5.26	55	12.73	<3	0
Weston General Hospital	WGH	England	NHS Adult	NA	NA	NA	Tier 1	0	0	0	0	0	0
William Harvey Hospital	WHH	England	NHS Adult	100	93.2	91.8	Tier 1	32	0	0	0	0	0
Worcestershire Royal Hospital	WRC	England	NHS Adult	NA	NA	100	Tier 1	0	0	0	0	0	0
Wythenshawe Hospital	WYT	England	NHS Adult	100	99.9	100	Tier 1	397	2.02	327	14.68	63	11.11

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N.B. Data are suppressed where case numbers are less than three and secondary suppression has been applied where applicable to ensure anonymity of the patient data included in reporting.