

Primary Prevention ICD Implants

Primary Prevention NICE ICD Implant Indications

CRM data 2015-16

Patients meeting Primary prevention criteria for ICD

Primary prevention implants WITH:-

Aetiology = Malignant cardiomyopathy OR Channelopathy
OR Congenital- structural}

OR [{LV function = "Poor"}] AND [NYHA Status IS NOT
"Symptoms at rest"]}

Key to cell shadings

National average +20% or more (>77%)

National average +10-20% (70%-77%)

National average +/- 10% (57%-70%)

National average -10-20% (51%-57%)

National average -20% or more (<51%)

National data 2,935 1,876 63.9% 20.5% 15.6%

Code	Centre	Primary Implants	Meet NICE Guidelines	% meet NICE Guidelines	% do not meet NICE Guidelines	% indeterminate due to missing data
ADD	Addenbrookes Hospital	14	13	92.9%	7.1%	0.0%
AIR	Airedale General Hospital	10	9	90.0%	10.0%	0.0%
ASH	Wansbeck General Hospital	35	23	65.7%	20.0%	14.3%
BAL	Barts and the London	100	40	40.0%	19.0%	41.0%
BAS	Basildon Hospital	62	48	77.4%	12.9%	9.7%
BFT	Belfast City Hospital	26	16	61.5%	19.2%	19.2%
BHH	Rochdale Infirmary	10	6	60.0%	40.0%	0.0%
BHL	Liverpool Heart & Chest Hospital	136	90	66.2%	27.2%	6.6%
BHR	Royal Berkshire Hospital	10	8	80.0%	20.0%	0.0%
BNT	Barnet General Hospital	22	13	59.1%	31.8%	9.1%
BOL	Royal Bolton Hospital	18	5	27.8%	50.0%	22.2%
BOU	Royal Bournemouth Hospital	19	9	47.4%	21.1%	31.6%
BRD	Bradford Royal Infirmary	15	13	86.7%	13.3%	0.0%
BRI	Bristol Royal Infirmary	50	15	30.0%	32.0%	38.0%

BRY	Fairfield General Hospital	22	13	59.1%	40.9%	0.0%
CHG	Cheltenham General Hospital	27	26	96.3%	3.7%	0.0%
CHH	Castle Hill Hospital	26	18	69.2%	7.7%	23.1%
CHN	Nottingham City Hospital	44	38	86.4%	4.5%	9.1%
DER	Royal Derby Hospital	10	9	90.0%	10.0%	0.0%
DUC	Duchy Hospital, Truro	16	7	43.8%	0.0%	56.3%
DUD	Birmingham City Hospital	26	23	88.5%	7.7%	3.8%
DVH	Darent Valley Hospital	13	11	84.6%	15.4%	0.0%
ERI	Edinburgh Royal Infirmary	30	6	20.0%	6.7%	73.3%
FRE	Freeman Hospital Newcastle	109	101	92.7%	7.3%	0.0%
FRM	Frimley Park Hospital	37	22	59.5%	37.8%	2.7%
GEO	St Georges Hospital	60	39	65.0%	18.3%	16.7%
GHS	Good Hope Hospital	27	15	55.6%	29.6%	14.8%
GJH	Golden Jubilee Hospital	32	7	21.9%	18.8%	59.4%
GRL	Glenfield Hospital	118	92	78.0%	22.0%	0.0%
GWH	Queen Elizabeth Hospital Greenwich	10	3	30.0%	10.0%	60.0%
HAM	Hammersmith Hospital	45	28	62.2%	33.3%	4.4%
HH	Harefield Hospital	63	42	66.7%	33.3%	0.0%
KCH	Kings College Hospital	27	11	40.7%	51.9%	7.4%
KGH	Kettering General Hospital	43	39	90.7%	9.3%	0.0%
KMH	Kings Mill Hospital	24	6	25.0%	8.3%	66.7%
LGI	Leeds General Infirmary	54	49	90.7%	5.6%	3.7%
MAY	Croydon University Hospital	10	7	70.0%	30.0%	0.0%
MDW	Medway Maritime Hospital	16	12	75.0%	6.3%	18.8%
MOR	Morrison Hospital	35	31	88.6%	5.7%	5.7%
MPH	Musgrove Park Hospital	20	10	50.0%	5.0%	45.0%
MRI	Manchester Royal Infirmary	90	73	81.1%	18.9%	0.0%
NCR	New Cross Hospital (Wolverhampton Heart Centre)	33	18	54.5%	6.1%	39.4%
NGS	Northern General Hospital Sheffield	76	41	53.9%	40.8%	5.3%
NHB	Royal Brompton Hospital	77	46	59.7%	40.3%	0.0%
NOR	Norfolk & Norwich University Hospital	22	17	77.3%	18.2%	4.5%

NTH	Northampton General Hospital	24	9	37.5%	20.8%	41.7%
PAP	Papworth Hospital	35	27	77.1%	14.3%	8.6%
PIN	Pinderfields General Hospital	25	23	92.0%	8.0%	0.0%
PLY	Derriford Hospital	17	13	76.5%	17.6%	5.9%
PMS	The Great Western Hospital	18	4	22.2%	38.9%	38.9%
QAP	Queen Alexandra Hospital	23	7	30.4%	52.2%	17.4%
QEB	Queen Elizabeth Hospital Birmingham	36	28	77.8%	5.6%	16.7%
QEQ	Queen Elizabeth the Queen Mother Hospital	19	2	10.5%	26.3%	63.2%
RAD	John Radcliffe Hospital	24	15	62.5%	29.2%	8.3%
RCH	Royal Cornwall Hospital	62	31	50.0%	21.0%	29.0%
RDE	Royal Devon & Exeter Hospital	18	14	77.8%	11.1%	11.1%
RGH	Royal Glamorgan Hospital	10	8	80.0%	0.0%	20.0%
RIA	Royal Infirmary Aberdeen	33	6	18.2%	0.0%	81.8%
RSC	Royal Sussex County Hospital	13	5	38.5%	53.8%	7.7%
RUS	Russells Hall Hospital	35	25	71.4%	17.1%	11.4%
RVB	Royal Hospitals Belfast	102	70	68.6%	16.7%	14.7%
SAN	Sandwell General Hospital	13	11	84.6%	7.7%	7.7%
SCM	The James Cook University Hospital	112	108	96.4%	1.8%	1.8%
SPH	St Peters Hospital	26	6	23.1%	65.4%	11.5%
STH	St Thomas Hospital	47	24	51.1%	21.3%	27.7%
STO	University Hospital of North Staffs	102	47	46.1%	19.6%	34.3%
STR	St Richards Hospital	12	9	75.0%	8.3%	16.7%
TLF	Princess Royal Hospital Telford	10	7	70.0%	20.0%	10.0%
UHW	University Hospital of Wales	47	28	59.6%	27.7%	12.8%
VIC	Blackpool Victoria Hospital	64	47	73.4%	17.2%	9.4%
WAT	Watford General Hospital	20	14	70.0%	15.0%	15.0%
WDH	Dorset County Hospital	10	6	60.0%	40.0%	0.0%
WHH	William Harvey Hospital	14	5	35.7%	35.7%	28.6%
WRC	Worcestershire Royal Hospital	18	15	83.3%	5.6%	11.1%
WRG	Worthing Hospital	12	7	58.3%	33.3%	8.3%
WYT	Wythenshawe Hospital	34	17	50.0%	32.4%	17.6%

HSC	Harley Street Clinic	9	5	< 10 implants
NHH	Basingstoke & North Hampshire Hospital	9	7	< 10 implants
SGH	Southampton General Hospital	9	1	< 10 implants
TOR	Torbay Hospital	9	4	< 10 implants
HHW	Wellington Hospital North	8	6	< 10 implants
RFH	Royal Free Hospital	8	6	< 10 implants
CGH	Conquest Hospital	7	2	< 10 implants
LBH	London Bridge Hospital	7	6	< 10 implants
WMH	Walsall Manor Hospital	7	3	< 10 implants
GGH	Diana, Princess of Wales Hospital Grimsby	5	4	< 10 implants
GOS	Great Ormond Street Hospital	5	4	< 10 implants
RHI	Calderdale Royal Hospital	5	1	< 10 implants
SAL	Salisbury District Hospital	5	3	< 10 implants
UCL	University College Hospital	5	2	< 10 implants
FRY	Frenchay Hospital	4	1	< 10 implants
DGE	Eastbourne District General Hospital	3	1	< 10 implants
HCH	County Hospital Hereford	3	3	< 10 implants
MAI	Maidstone Hospital	3		< 10 implants
RSU	Royal Surrey County Hospital	3	2	< 10 implants
WAL	University Hospital Coventry	3	2	< 10 implants
WAR	Warwick Hospital	3	1	< 10 implants
BMI	BMI The Meriden Hospital	2	2	< 10 implants
CBS	Spire Southampton Hospital	2	2	< 10 implants
CRO	Cromwell Hospital	2	1	< 10 implants
LEB	Spire Leeds Hospital	2		< 10 implants
ACH	Alder Hey Hospital	1		< 10 implants
BCH	Birmingham Childrens Hospital	1	1	< 10 implants
HUD	Huddersfield Royal Hospital	1		< 10 implants

Secondary Prevention ICD Implants

Secondary Prevention NICE ICD Implant Indications

CRM data 2015-16

Patients meeting Primary prevention criteria for ICD

Symptom = ("Cardiac Arrest" OR "Aborted Sudden Death") OR
 (Symptom = "Syncope" AND ECG indication = ("nonsustained VT/VF" OR "Sustained VT/VF" OR
 "Torsade de pointes")) OR ECG indication = "Sustained VT/VF" AND LVEF = "3. Poor"

Key to cell shadings

National average +20% or more (>97%)
National average +10-20% (89%-97%)
National average +/- 10% (73%-89%)
National average -10-20% (65%-73%)
National average -20% or more (65%)

Code	Centre	National data				
		2,187 Secondary Implants	1,771 Meet NICE Guidelines	81.0% % meet NICE Guidelines	12.5% % do not meet NICE Guidelines	6.5% % indeterminate due to missing data
ASH	Wansbeck General Hospital	13	12	92.3%	7.7%	0.0%
BAL	Barts and the London	56	46	82.1%	17.9%	0.0%
BAS	Basildon Hospital	62	56	90.3%	9.7%	0.0%
BFT	Belfast City Hospital	20	16	80.0%	15.0%	5.0%
BHL	Liverpool Heart & Chest Hospital	95	77	81.1%	15.8%	3.2%
BHR	Royal Berkshire Hospital	18	16	88.9%	5.6%	5.6%
BOL	Royal Bolton Hospital	10	10	100.0%	0.0%	0.0%
BOU	Royal Bournemouth Hospital	15	12	80.0%	20.0%	0.0%
BRD	Bradford Royal Infirmary	10	10	100.0%	0.0%	0.0%
BRI	Bristol Royal Infirmary	46	39	84.8%	6.5%	8.7%
CHG	Cheltenham General Hospital	19	19	100.0%	0.0%	0.0%
CHH	Castle Hill Hospital	41	38	92.7%	7.3%	0.0%
CHN	Nottingham City Hospital	57	38	66.7%	33.3%	0.0%
DUD	Birmingham City Hospital	24	18	75.0%	25.0%	0.0%
ERI	Edinburgh Royal Infirmary	54	41	75.9%	24.1%	0.0%

FRE	Freeman Hospital Newcastle	54	53	98.1%	1.9%	0.0%
GEO	St Georges Hospital	52	46	88.5%	9.6%	1.9%
GHS	Good Hope Hospital	26	23	88.5%	11.5%	0.0%
GJH	Golden Jubilee Hospital	46	35	76.1%	21.7%	2.2%
GRL	Glenfield Hospital	61	51	83.6%	16.4%	0.0%
HAM	Hammersmith Hospital	45	33	73.3%	22.2%	4.4%
HH	Harefield Hospital	48	35	72.9%	2.1%	25.0%
KCH	Kings College Hospital	35	28	80.0%	20.0%	0.0%
KGH	Kettering General Hospital	30	28	93.3%	3.3%	3.3%
LGI	Leeds General Infirmary	54	42	77.8%	20.4%	1.9%
MOR	Morrison Hospital	42	39	92.9%	7.1%	0.0%
MRI	Manchester Royal Infirmary	119	97	81.5%	18.5%	0.0%
NCR	New Cross Hospital (Wolverhampton Heart Centre)	32	30	93.8%	3.1%	3.1%
NGS	Northern General Hospital Sheffield	42	28	66.7%	33.3%	0.0%
NHB	Royal Brompton Hospital	82	51	62.2%	37.8%	0.0%
NOR	Norfolk & Norwich University Hospital	31	25	80.6%	19.4%	0.0%
PAP	Papworth Hospital	40	33	82.5%	12.5%	5.0%
PIN	Pinderfields General Hospital	16	13	81.3%	18.8%	0.0%
PLY	Derriford Hospital	29	21	72.4%	27.6%	0.0%
PMS	The Great Western Hospital	12	12	100.0%	0%	0%
QAP	Queen Alexandra Hospital	23	20	87.0%	13.0%	0.0%
QEB	Queen Elizabeth Hospital Birmingham	17	13	76.5%	-5.9%	29.4%
RAD	John Radcliffe Hospital	18	8	44.4%	55.6%	0.0%
RCH	Royal Cornwall Hospital	19	16	84.2%	-15.8%	31.6%
RDE	Royal Devon & Exeter Hospital	21	18	85.7%	14.3%	0.0%
RHI	Calderdale Royal Hospital	10	7	70.0%	0.0%	30.0%
RIA	Royal Infirmary Aberdeen	25	13	52.0%	44.0%	4.0%
RSC	Royal Sussex County Hospital	19	19	100.0%	0.0%	0.0%
RUS	Russells Hall Hospital	11	9	81.8%	18.2%	0.0%
RVB	Royal Hospitals Belfast	63	51	81.0%	17.5%	1.6%
SCM	The James Cook University Hospital	52	44	84.6%	13.5%	1.9%

SPH	St Peters Hospital	11	9	81.8%	18.2%	0.0%
STH	St Thomas Hospital	47	42	89.4%	10.6%	0.0%
STO	University Hospital of North Staffs	65	62	95.4%	4.6%	0.0%
UHW	University Hospital of Wales	49	41	83.7%	10.2%	6.1%
VIC	Blackpool Victoria Hospital	41	31	75.6%	19.5%	4.9%
WAL	University Hospital Coventry	11	9	81.8%	18.2%	0.0%
WRC	Worcestershire Royal Hospital	28	26	92.9%	7.1%	0.0%
WYT	Wythenshawe Hospital	29	16	55.2%	37.9%	6.9%
BRY	Fairfield General Hospital	9	7 < 10 implants			
NTH	Northampton General Hospital	9	8 < 10 implants			
WHH	William Harvey Hospital	9	5 < 10 implants			
ADD	Addenbrookes Hospital	8	8 < 10 implants			
BHH	Rochdale Infirmary	8	6 < 10 implants			
HCH	County Hospital Hereford	8	8 < 10 implants			
MDW	Medway Maritime Hospital	8	8 < 10 implants			
MPH	Musgrove Park Hospital	8	6 < 10 implants			
DER	Royal Derby Hospital	6	5 < 10 implants			
GGH	Diana, Princess of Wales Hospital Grimsby	6	6 < 10 implants			
RGH	Royal Glamorgan Hospital	6	4 < 10 implants			
SAL	Salisbury District Hospital	6	6 < 10 implants			
AIR	Airedale General Hospital	5	4 < 10 implants			
DVH	Darent Valley Hospital	5	4 < 10 implants			
KMH	Kings Mill Hospital	5	4 < 10 implants			
TOR	Torbay Hospital	5	3 < 10 implants			
WDH	Dorset County Hospital	5	1 < 10 implants			
BNT	Barnet General Hospital	4	4 < 10 implants			
DGE	Eastbourne District General Hospital	4	3 < 10 implants			
FRM	Frimley Park Hospital	4	4 < 10 implants			
RFH	Royal Free Hospital	4	4 < 10 implants			
RSU	Royal Surrey County Hospital	4	1 < 10 implants			

SAN	Sandwell General Hospital	4	3 < 10 implants
TLF	Princess Royal Hospital Telford	4	2 < 10 implants
WAR	Warwick Hospital	4	3 < 10 implants
CGH	Conquest Hospital	3	1 < 10 implants
GOS	Great Ormond Street Hospital	3	3 < 10 implants
HHW	Wellington Hospital North	3	2 < 10 implants
HSC	Harley Street Clinic	3	1 < 10 implants
MAI	Maidstone Hospital	3	0 < 10 implants
QEQ	Queen Elizabeth the Queen Mother Hospital	3	3 < 10 implants
SGH	Southampton General Hospital	3	1 < 10 implants
WAT	Watford General Hospital	3	2 < 10 implants
ACH	Alder Hey Hospital	2	2 < 10 implants
CRO	Cromwell Hospital	2	0 < 10 implants
GWH	Queen Elizabeth Hospital Greenwich	2	2 < 10 implants
KIR	Victoria Hospital Kirkcaldy	2	2 < 10 implants
LBH	London Bridge Hospital	2	2 < 10 implants
WMH	Walsall Manor Hospital	2	0 < 10 implants
BCH	Birmingham Childrens Hospital	1	1 < 10 implants
BRC	Bristol Royal Hospital for Children	1	1 < 10 implants
FRY	Frenchay Hospital	1	1 < 10 implants
HUD	Huddersfield Royal Hospital	1	1 < 10 implants
MAY	Croydon University Hospital	1	1 < 10 implants
STR	St Richards Hospital	1	1 < 10 implants
WES	Chelsea & Westminster Hospital	1	1 < 10 implants
WRG	Worthing Hospital	1	1 < 10 implants