

Comparative Analysis of Cardiac Catheterisations with Complications (HRG E13) & Cardiac Catheterisations without Complications (HRG E14).

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Seiph Health & Healthcare

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•	Sex	20
•	Provider – all	21
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Summary Tables

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<u>1995/96-1997/98 New South East Region (Plus London Has formerly in South Thames East)</u> E13 & E14

Proportion of complicated/uncomplicated HRGs and rate of death within HRG

1995/96	
Proportions	1.7% 98.3%
Death rate	5.5% 0.6%
1996/97	
Proportions	1.5% 98.5%
Death rate	6.3% 0.5%
1997/98	
Proportions	1.3% 98.7%
Death rate	4.9% 0.4%

Deaths occurring on day of procedure

1995/96		
Number	0	10
Proportion of all deaths	0%	11.4%
Death rate	0%	0.07%
1996/97		
Number	2	10
Proportion of all deaths	14.3%	13.3%
Death rate	0.9%	0.07%
1997/98		
Number	1	8
Proportion of all deaths	11.1%	14.5%
Death rate	0.5%	0.06%

Deaths within one day of procedure

1995/96		
Number	3	24
Proportion of all deaths	23.1%	27.3%
Death rate	1.3%	0.18%
1996/97		
Number	4	26
Proportion of all deaths	28.6%	34.7%
Death rate	1.8%	0.18%
1997/98		
Number	3	20
Proportion of all deaths	33.3%	36.4%
Death rate	1.6%	0.14%

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	je des paras			
120 - Angina pectoris			5	9%
121 - Acute myocardial infarction			12	22%
122 - Subsequent myocardial infarction	1		1	2%
123 - Certain current complication follow acute myocardial infarct			1	2%
125 - Chronic ischaemic heart disease			10	18%
127 - Other pulmonary heart diseases			1	2%
135 - Nonrheumatic aortic valve disorders			1	2%
142 - Cardiomyopathy	1	11%	1	2%
146 - Cardiac arrest	1	11%		
I50 - Heart failure	7	78%		
171 - Aortic aneurysm and dissection			1	2%
R07 - Pain in throat and chest			1	2%
Others			21	38%
Total	9	100%	55	100%

Admitting diagnosis in patients who died

Admission Method

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Admissionanalitational and a second second second second				
Elective	33%	53%	7%	80%
Emergency	56%	30%	55%	10%
Transfer	11%	16%	38%	10%

Patient Classification

· · · · · · · · · · · · · · · · · · ·				Succession and
Gauen classic appointer of the second system of the				
Inpatient	100%	66%	98%	44%
Daycase		34%	2%	_ 56%

<u>Sex</u>

Pahent Service and the service of th	Control Market	Francisco and	South and a second	A CARLES
Male	67%	70%	62%	69%
Female	33%	30%	38%	31%

Provider

	- Alimitation		and the second sec	in the second
Teaching Hospital	44%	70%	51%	75%
Non-Teaching Hospital	66%	30%	49%	_25%

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Age by admitting diagnosis for deaths

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E13	142 - Cardiomyopathy									1		1
	146 - Cardiac arrest	1		[1
	ISO - Heart failure				2	1	1		2		1	7
1	Total	1	0	Ö	2	1	1	0	2	1	1	9
E14	I20 - Angina pectoris					1	1		1		2	5
	121 - Acute myocardial infarction						1	4	3	2	2	12
	122 - Subsequent myocardial infarction			·	ļ					1		1
	123 - Certain current complication follow acute myocardial infarct			[ļ			1		1
	125 - Chronic ischaemic heart disease					1	1	1	3	1	4	10
1	I27 - Other pulmonary heart diseases								1	1		1
1	135 - Nonrheumatic aortic valve disorders		1	{	}	1	}	1		}	1	1
	l42 - Cardiomyopathy			1			1	•				1
	171 - Aortic aneurysm and dissection						Ì			1		1
1	R07 - Pain in throat and chest										1	1
	Others	4	1	4			2	1	4	1	4	21
	Total	4	1	4	0	1	6	6	12	7	14	55

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3-Year Comparative Table

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New South East Region (plus London HAs formerly in South Thames East) 1995/6 - 1997/8

HRG codes E13 and E14 Cardiac Catheterisation with and without complications

h feel of sever		N., valt 6		
1995/96	Total Number	238	13625	13863
	Number of Deaths	13	88	101
	Day of Death			
	0 days		10	10
	1 day	3	14	17
ļ	2 days	1	14	15
	3-4 days		15	15
	5-7 days	6	14	20
	8-14 days	2	11	13
1	15-30 days		8	8
	Over 30 days	1	2	3
1996/97	Total Number	224	14742	14966
	Number of Deaths	14	75	89
	Day of Death			
	0 days	2	10	12
	1 day	2	16	18
ł	2 days		5	5
	3-4 days	4	8	12
	5-7 days	3	14	17
ļ	8-14 days	3	10	13
	15-30 days		10	10
	Over 30 days		2	2
1997/98	Total Number	183	14063	14246
	Number of Deaths	9	55	64
	Day of Death			
	0 days	1	8	9
	1 day	2	12	14
	2 days	1	5	6
	3-4 days	1	10	10
	5-7 days	3	10	13
}	8-14 days		7	7
	15-30 days	2	2	4
	Over 30 days		1	1

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HRG Code E13 Cardiac Catheterisation with Complications

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HRG code E13 - Cardiac Catheterisation with Complications

	an a	an land strangeners and strangeners		and the second secon		
108 - Multiple valve diseases	2	1%			2	1%
i11 - Hypertensive heart disease	6	3%			6	3%
113 - Hypertensive heart & renal disease	1	1%	ł	}	1	1%
123 - Certain current complications after acute mycardial infarction	2	1%			2	1%
124 - Other acute ischaemic heart diseases	7	4%			7	4%
125 - Chronic ischaemic heart disease	4	2%			4	2%
126 - Pulmonary embolism	1	1%			1	1%
131 - Other diseases of pericardium	3	2%			3	2%
133 - Acute & subacute endocarditis	4	2%			4	2%
140 - Acute Myocarditis	1	1%		}	1	1%
142 - Cardiomyopathy	26	15%	1	11%	27	15%
144 - Artiventricular & left bundle-branch block	26	15%			26	14%
145 - Other conduction disorders	1	1%			1	1%
146 - Cardiac arrest	2	1%	1	11%	3	2%
147 - Paroxysmal tachycardia	32	18%			32	17%
I50 - Heart failure	52	30%	7	78%	59	32%
151 - Complications & ill-defined descriptions of heart disease	1	1%		1	1	1%
171 - Aortic aneurysm & dissection	2	1%			2	1%
195 - Hypotension	1	1%			1	1%
Total	174	100%	9	100%	183	100%

		an Siring and a state of the second				
Admission and Schemen and an and a second						
Elective	93	53%	3	33%	96	52%
Emergency	53	30%	5	56%	58	32%
Transfer from other healthcare provider	28	16%	1	11%	29	16%
Total	174	100%	9	100%	183	100%

	and the second second	le constantes and	aanaa ahaan a	and A Dissing land	i and and a second s	
Usual place of residence	145	83%	8	89%	153	84%
Other NHS provider (General Ward)	29	17%	1	11%	30	16%
Total	174	100%	9	100%	183	100%

						1213
		a na star terrar a station		and the second secon		
Inpatient	114	66%	9	100%	123	67%
Daycase	60	34%			60	33%
Total	174	100%	9	100%	183	100%

	and day.				1	
Usual place of residence	137	79%		-	137	75%
Other NHS provider (General Ward)	10	6%			10	5%
Died		0%	9	100%	9	5%
Other	27	16%			27	15%
Total	174	100%	9	100%	183	100%
			1			

<u>1997/98 New South East Region (plus London HAs formerly in South Thames East)</u> <u>HRG code E13 - Cardiac Catheterisation with Complications</u>

	SS PIE P EL					
In the second						
Discharged on clinical advice	147	84%			147	80%
Died			9	100%	9	5%
Other	27	16%			27	15%
	174	100%	9	100%	183	100%

			Anis States - States			222
	and the second				1. See	
Under 30	7	4%	1	11%	8	4%
30-39	11	6%			11	6%
40-44	6	3%			6	3%
45-49	13	7%	2	22%	15	8%
50-54	20	11%	1	11%	21	11%
55-59	24	14%	1	11%	25	14%
60-64	23	13%			23	13%
65-69	32	18%	2	22%	34	19%
70-74	20	11%	1	11%	21	11%
75+	18	10%	1	11%	19	10%
Total	174	100%	9	100%	183	100%

	Matrice		S Step 200		i Cash	e e l e s
Los adequintegras de la constante de la constan		and the second			i ali anti	
0 days	73	42%			73	40%
1 day	13	7%	2	22%	15	8%
2 days	11	6%	1	11%	12	7%
3-4 days	16	9%	1	11%	17	9%
5-7 days	23	13%	1	11%	24	13%
8-14 days	25	14%	1	11%	26	14%
15-30 days	13	7%	1	11%	14	8%
Over 30 days			2	22%	2	1%
Total	174	100%	9	100%	183	100%

			<u></u>			
190 - Accident & Emergency	1	1%			1	1%
300 - General Medicine	45	26%	5	56%	50	27%
320 - Cadiology	127	73%	3	33%	130	71%
361 - Nephrology	1		1	11%	1	1%
430 - Geriatric Medicine	1	1%			1	1%
Total	174	100%	9	100%	183	100%

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<u>1997/98 New South East Region (plus London HAs formerly in South Thames East)</u> <u>HRG code E13 - Cardiac Catheterisation with Complications</u>

			1965 and the Total of the	election and an and a second secon		
Phoan Operation Procedure In March 2019 States and a subourberry						
K63 - Contrast radiology of heart	152	87%	6	67%	158	86%
K65 - Catheterisation of heart	19	11%	1	11%	20	11%
L91 - Other vein related operations			2	22%	2	1%
X50 - External resuscitation	3	2%			3	2%
Total	174	100%	9	100%	183	100%

Secondary operative maccountered and a state in an astronomy and		13. X 1 1				
No secondary operative procedure	76	44%	1	11%	77	42%
K63 - Contrast radiology of heart	83	48%	3	33%	86	47%
K65 - Catheterisation of heart	3	2%	1	11%	4	2%
K68 - Drainage of pericardium			1	11%	1	1%
L26 - Transluminal operations on aorta	2	1%			2	1%
L43 - Transluminal operations on renal artery	2	1%		ļ	2	1%
L91 - Other vein related operations	2	1%			2	1%
M47 - Urethral catherterisation of bladder			1	11%	1	1%
X33 - Other blood transfusion	1	1%		ļ	1	1%
X50 - External resuscitation	1	1%	1	11%	2	1%
Y53 - Percutaneous approach to organ under image contral	1	1%			1	1%
Y82 - Local anaesthetic	1	1%	1	11%	2	1%
Y90 - Other nonoperations	1	1%			1	1%
Z94 - Laterality of operation	1	1%			1	1%
Total	174	100%	9	100%	183	100%

	ean and					aa a
	SHE WARRANT & TO YOU WARRANT . C. CONTRACT		CONTRACTOR AND SOME THE	3774		and the second
No third operative procedure	157	90%	6	67%	163	89%
K63 - Contrast radiology of heart	4	2%			4	2%
K65 - Catheterisation of heart	2	1%	1	11%	3	2%
L26 - Transluminal operations on aorta	4	2%	1	}	4	2%
L43 - Transluminal operations on renal artery	t	1%			1	1%
X40 - Compensation for renal failure			1	11%	1	1%
X50 - External resuscitation	2	1%	1	11%	3	2%
Y53 - Percutaneous approach to organ under image contral	1	1%			1	1%
Y82 - Local anaesthetic	2	1%			2	1%
Y90 - Other nonoperations	1	1%			1	1%
Total	174	100%	9	100%	183	100%

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CONTRACTOR AND	and the second secon	5	ىدىنى بىرىيە تىرىكى تىكى ئۇرىكى تۇرى ئۇرىكى بىرىيتۇرىكى بار تىش	A CARLES AND		
No fourth operative procedure	174	100%	8	89%	182	99%
Y82 - Local anaesthetic			1	11%	1	1%
Totai	174	100%	9	100%	183	100%

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<u>1997/98 New South East Region (plus London HAs formerly in South Thames East)</u> HRG code E13 - Cardiac Catheterisation with Complications

		an an airte an				
	Par interior survey				5 <u>(</u>	
Unknown	1	1%	1	}	1	1%
Male	121	70%	6	67%	127	69%
Female	52	30%	3	33%	55	30%
Total	174	100%	9	100%	183	100%

		and the second second			- 	<u> Nortz</u>
RA2 - Royal Surrey County & St. Lukes Hospital	2	1%	1	11%	3	2%
RAL - Royal Free Hampstead	1	1%			1	1%
RC5 - Harefield Hospital	11	6%			11	6%
RD1 - Royal United Hospital, Bath	1	1%			1	1%
RD8 - Milton Keynes General	1	1%			1	1%
RDL - Eastbourne Hospitals	1	1%			1	1%
RDM - Hastings & Rother Hospital	2	1%			2	1%
RDZ - Royal Bournemouth & Christchurch Hospital	2	1%	1	11%	3	2%
RFL - Glenfield Hospital	1	1%			1	1%
RG2 - Greenwich Healthcare	11	6%			11	6%
RGU - Brighton Healthcare	10	6%	1		11	6%
RGZ - Queen Mary's Sidcup	1	1%			1	1%
RHM - Southampton University Hospital	13	7%			13	7%
RHU - Portsmouth Hospitals	11	6%			11	6%
RHW - Royal Berkshire & Battle Hospitals	5	3%			5	3%
RJ1 - Guy's & St. Thomas' Hospital Trust	42	24%	3	33%	45	25%
RJ2 - The Lewisham Hospital	1	1%			1	1%
RJ6 - Mayday Healthcare	1	1%			1	1%
RJ7 - St George's Healthcare	24	14%			24	13%
RJZ - King's Healthcare	7	4%	1	11%	8	4%
RNS - Northampton General Hospital	2	1%			2	1%
RNX - Oxford Radcliffe Hospital	21	12%			21	11%
RPF - South Kent Hospitals	1	1%			1	1%
RPL - Worthing & Southlands Hospital			1	11%	1	1%
RPR - The Royal West Sussex Trust			1	11%	1	1%
RPX - Royal Brompton Hospital	1	1%			1	1%
RRV - University College London	1	1%			1	1%
Totai	174	100%	9	100%	183	100%

	nas arcus nasarda se	an an ann an	en andreas and an	and and an and an		CONTRACTOR AND AND AND AND AND AND AND AND AND AND
Cardiac Units	75	1%	4	7%	79	1%
Non-Cardiac Units	99	1%	5	9%	104	1%
Total	174	1%	9	16%	183	1%

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HRG code E13 - Cardiac Catheterisation with Complications

		Stanta Marine States States				
Health Authority of Healthan and Anna a	and the second	A \$ 15949 (304 years with 1257 (385 45 45)		Adjust and spectra spectra spectra spectra		
QA7 - Berkshire	9	5%		1	9	5%
QA8 - Buckinghamshire	8	5%			8	4%
QAA - Bexley & Greenwich	12	7%	ļ		12	7%
QAC - Bromley	5	3%			5	3%
QAE - East Kent	10	6%			10	5%
QAF - West Kent	11	6%	3	33%	14	8%
QAH - Lambeth, Southwark & Lewisham	21	12%		1	21	11%
QAK - East Surrey	6	3%	1	11%	7	4%
QAL - West Surrey	10	6%	1	11%	11	6%
QAM - East Sussex, Brighton & Hove	15	9%	1	11%	16	9%
QAN - West Sussex	7	4%	2	22%	9	5%
QCC - Northamptonshire	8	5%]	8	4%
QCE - Oxfordshire	18	10%			18	10%
QD1 - North & Mid Hampshire	6	3%			6	3%
QD2 - Portsmouth & SE Hampshire	16	9%		1	16	9%
QD3 - Southampton & SW Hampshire	12	7%	1	11%	13	7%
Total	174	100%	9	100%	183	100%

Days bewreen preceduat and tea hat so it is the second so it is th	e Costa	
0 days	1	11%
1 day	2	22%
2 days	1	11%
3-4 days		
5-7 days	3	33%
8-14 days		
15-30 days	2	22%
Over 30 days		
Total	9	100%

HRG Code E14 Cardiac Catheterisation without Complications

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	Condina Or			Compliantiana
HRG code E14	- Cardiac Ca	atheterisation	without	Complications

			i Sola i Sola i			
Man Program States and		n TVN-Broot in Startering				
E78 - Disorders of lipoprotein metabolism and other lipidaemias	14	0.1%			14	0.1%
105 - Rheumatic mitral valve diseases	50	0.4%			50	0.4%
108 - Multiple valve diseases	86	1%			86	1%
110 - Essential (primary) hypertension	49	0.3%			49	0.3%
I20 - Angina pectoris	1536	11%	5	9%	1541	11%
I21 - Acute myocardial infarction	298	2%	12	22%	310	2%
122 - Subsequent myocardial infarction	30	0.2%	1	2%	31	0.2%
123 - Certain current complication follow acute myocardial infarct	10	0.1%	1	2%	11	0.1%
124 - Other acute ischaemic heart diseases	54	0.4%			54	0.4%
125 - Chronic ischaemic heart disease	8051	57%	10	18%	8061	57%
27 - Other pulmonary heart diseases	14	0.1%	1	2%	15	0.1%
134 - Nonrheumatic mitral valve disorders	234	2%			234	2%
135 - Nonrheumatic aortic valve disorders	589	4%	1	2%	590	4%
I42 - Cardiomyopathy	107	1%	1	2%	108	1%
145 - Other conduction disorders	15	0.1%			15	0.1%
148 - Atrial fibrillation and flutter	66	0.5%			66	0.5%
149 - Other cardiac arrhythmias	14	0.1%			14	0.1%
151 - Complications and ill- Defined descriptions of heart disease	64	0.5%			64	0.5%
I71 - Aortic aneurysm and dissection	25	0.2%	1	2%	26	0.2%
177 - Other disorders of arteries and arterioles	12	0.1%			12	0.1%
Q20 - Congenital malformations of cardiac chambers and connections	31	0.2%			31	0.2%
Q21 - Congenital malformations of cardiac septa	60	0.4%			60	0.4%
Q22 - Congenital malformations of pulmonary and tricuspid valves	15	0.1%			15	0.1%
Q23 - Congenital malformations of aortic and mitral valves	18	0.1%			18	0.1%
Q24 - Other congenital malformations of heart	13	0.1%			13	0.1%
Q25 - Congenital malformations of great arteries	36	0.3%			36	0.3%
R00 - Abnormalities of heart beat	20	0.1%			20	0.1%
R06 - Abnormalities of breathing	51	0.4%			51	0.4%
R07 - Pain in throat and chest	1629	12%	1	2%	1630	12%
R09 - Oth symptoms and signs involv circul and resp systems	12	0.1%			12	0.1%
R94 - Abnormal results of function studies	16	0.1%			16	0.1%
T82 - Comps cardiac & vasc prosthetic devs implants & grafts	239	2%			239	2%
Z03 - Med observ and evaluation for suspected diseases and conds	13	0.1%			13	0.1%
Z09 - Follow-up exam after treatment for conds oth than mal neos	207	1%			207	1%
Z13 - Special screening exam for other diseases and disorders	115	1%			115	1%
Z94 - Transplanted organ and tissue status	11	0.1%			11	0.1%
Others	204	1%	21	38%	225	2%
Total	14008	100%	55	100%	14063	100%

Augussmu Maucon and a second			6			
Elective	11201	80%	4	7%	11205	80%
Emergency	1397	10%	30	55%	1427	10%
Transfer from other healthcare provider	1398	9.98%	21	38%	1419	10.09%
Unknown	12	0.09%			12	0.09%
Total	14008	100%	55	100%	14063	100%

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HRG code E14 - Cardiac Catheterisation without Complications

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Aumission Source a Torine (and a man and			10.022		Content of	
Usual place of residence	12329	88%	33	60%	12362	88%
Temporary place of residence	105	1%			105	1%
Sent by order of penal establishment/court/police	4	0.03%		}	4	0.03%
Special hospital	2	0.01%			2	0.01%
Other NHS provider (General Ward)	1545	11%	22	40%	1567	11%
Other NHS provider (Maternity Ward)	1	0.01%			1	0.01%
Other NHS provider (Mental Health Ward)	2	0.01%			2	0.01%
Other	20	0.14%			20	0.14%
Total	14008	100%	55	100%	14063	100%

			22 - 122 - 123 - 122 - 122 - 123 - 123 - 126 - 123 - 126 - 1			
Inpatient	6219 7789	44% 56%	54	98% 2%	6273 7790	45% 55%
Daycase	14008	100%	55	100%	14063	100%

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		And a second second Second second second Second second second Second second				
		and Second	And the second sec	A A BLAND A MARKON CH	2012-2013 1999-22013 221-231-231	
Usual place of residence	12536	89%		[12536	89%
Temporary place of residence	23	0.2%			23	0.2%
Sent by order of penal establishment/court/police	3	0.02%	ĺ	ĺ	3	0.02%
Special hospital	21	0.1%		}	21	0.1%
Other NHS provider (General Ward)	396	3%			396	3%
Other NHS provider (Maternity Ward)	1	0.01%		ſ	1	0.01%
Other NHS provider (Mental Health Ward)	2	0.01%			2	0.01%
Local Authority Care	1	0.01%			1	0.01%
Died			55	100%	55	0.4%
Non NHS Healthcare provider	3	0.02%		Ì	3	0.02%
Other	1022	7%			1022	7%
Total	14008	100%	55	100%	14063	100%

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	Labola de la	and the second second				
Discharged on clinical advice	12975	93%			12975	92%
Discharged self	20	0.1%	ĺ	ł	20	0.1%
Died	ļ		55	100%	55	0.4%
Other	1013	7%			1013	7%
	14008	100%	55	100%	14063	100%

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<u>1997/98 New South East Region (plus London HAs formerly in South Thames East)</u> <u>HRG code E14 - Cardiac Catheterisation *without* Complications</u>

		1000 000000000000000000000000000000000				
Under 30	238	2%	4	7%	242	2%
30-39	370	3%	1	2%	371	3%
40-44	506	4%	4	7%	510	4%
45-49	1007	7%			1007	7%
50-54	1681	12%	1	2%	1682	12%
55-59	2155	15%	6	11%	2161	15%
60-64	2508	18%	6	11%	2514	18%
65-69	2435	17%	12	22%	2447	17%
70-74	1890	13%	7	13%	1897	13%
75+	1218	9%	14	25%	1232	9%
Total	14008	100%	55	100%	14063	100%

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Encode European and the standard and the st					in the second	an a
0 days	8472	60%	3		8475	60%
1 day	1904	14%	7	13%	1911	14%
2 days	1253	9%	7	13%	1260	9%
3-4 days	718	5%	9	16%	727	5%
5-7 days	695	5%	16	29%	711	5%
8-14 days	651	5%	7	13%	658	5%
15-30 days	290	2%	2	4%	292	2%
Over 30 days	25		4	7%	29	0%
Total	14008	100%	55	100%	14063	100%

		anti-taria (27) (5 (1) (1) (1) (1) (1) (1)	1	E	1	
100 - General Surgery	8	0.1%			8	0%
101 - Urology	2	0.01%			2	0%
150 - Neurosurgery	1	0.01%			1	0%
170 - Cardiothoracic Surgery	70	0.5%	1	2%	71	1%
190 - Accident & Emergency	1	0.01%	3	5%	4	0%
300 - General Medicine	2052	15%	22	40%	2074	15%
301 - Gastroenterology	26	0.2%	1	2%	27	0%
302 - Endocrinology	18	0.1%			18	0%
303 - Haematology (Clinical)	1	0.01%			1	0%
320 - Cardiology	11700	84%	22	40%	11722	83%
340 - Dermatology	6	0.04%	1	2%	7	0%
350 - Infectious Diseases	2	0.01%	1	2%	3	0%
360 - Genito-Urinary Medicine	12	0.1%			12	0%
361 - Nephrology	20	0.1%			20	0%
400 - Neurology	1	0.01%			1	0%
410 - Rheumatology	2	0.01%			2	0%
420 - Peadiatrics	52	0.4%	2	4%	54	0%
430 - Geriatric Medicine	33	0.2%	2	4%	35	0%
800 - Radiotherapy	1	0.01%			1	0%
Total	14008	100%	55	100%	14063	100%

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HRG code E14 - Cardiac Catheterisation without Complications

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Primary Cheranter Proceedings of the second state of the			C 97.00 But in the second second	2205438.9562497.: (213332)	a managaga ka cakoona a	
No Primary operative procedure	1	0.01%			1	0%
K63 - Contrast radiology of heart	13548	97%	23	42%	13571	97%
K65 - Catheterisation of heart	448	3%	26	47%	474	3%
L91 - Other vein related operations	2	0.01%	2	4%	4	0%
L95 - Diag. transluminal operations on vein	1	0.01%			1	0%
M47 - Urethral catherterisation of bladder	2	0.01%			2	0%
X29 - Continuous infusion of therapeutic substance	3	0.02%	2	4%	5	0%
X50 - External resuscitation	3	0.02%	2	4%	5	0%
Total	14008	100%	55	100%	14063	100%

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			i en nen seles Antes estas	Series Sal		
No secondary operative procedure	6358	45%	16	29%	6374	45%
E05 - Surgical arrest of bleeding from internal nose	1	0.01%			1	0.01%
E49 - Diag. fibreoptic endoscopic exam. of lower respiratory tract	1	0.01%	1		1	0.01%
E51 - Diag. endoscopic exam. of lower respiratory tract using rigid bronchoscope	2	0.01%			2	0.01%
K63 - Contrast radiology of heart	7143	51%	15	27%	7158	51%
K65 - Catheterisation of heart	191	1%	5	9%	196	1%
K68 - Drainage of pericardium	1	0.01%			1	0.01%
L26 - Transluminal operations on aorta	150	1%	1	2%	151	1%
L31 - Transluminal operations on carotid artery	2	0.01%			2	0.01%
L43 - Transluminal operations on renal artery	6	0.04%	ŀ		6	0.04%
L63 - Transluminal operations on femoral artery	4	0.03%			4	0.03%
L72 - Diag. transluminal operations on other artery	3	0.02%		ļ	3	0.02%
L91 - Other vein related operations	7	0.05%	6	11%	13	0.1%
L95 - Diag. transluminal operations on vein	1	0.01%			1	0.01%
M47 - Urethral catherterisation of bladder	1	0.01%			1	0.01%
S15 - Other biopsy of skin	1	0.01%			1	0.01%
S47 - Opening of skin	1	0.01%			1	0.01%
W36 - Diag. puncture of bone	1	0.01%			1	0.01%
X29 - Continuous infusion of therapeutic substance	14	0.1%	1	2%	15	0.1%
X31 - Injection of radiocontrast material	4	0.03%			4	0.03%
X33 - Other blood transfusion	1	0.01%	1	2%	2	0.01%
X35 - Other intravenous injection	14	0.1%			14	0.1%
X40 - Compensation for renal failure	5	0.04%	2	4%	7	0.05%
X50 - External resuscitation	7	0.05%	2	4%	9	0.06%
X55 - Other operations on unspecified organ	1	0.01%	1	2%	2	0.01%
Y53 - Percutaneous approach to organ under image contral	7	0.05%	1	2%	8	0.06%
Y70 - Early operations not otherwise classified (NOC)	2	0.01%			2	0.01%
Y73 - Facilitating operations (NOC)	2	0.01%	3	5%	5	0.04%
Y82 - Local anaesthetic	64	0.5%			64	0.5%
Y90 - Other nonoperations	6	0.04%			6	0.04%
Z36 - Branch of thoracic aorta	1	0.01%			1	0.01%
Z38 - Termianl branch of aorta	1	0.01%			1	0.01%
Z40 - Other vascular tissue			1	2%	1	0.01%
Z94 - Laterality of operation	5	0.04%			5	0.04%
Total	14008	100%	55	100%	14063	100%

HRG code E14 - Cardiac Catheterisation without Complications

HRG code E14 - Cardiac Catheterisation without Complications			- X. (. (. (. (. (. (. (. (. (. (. (. (. (.	NATO: STATA		a constant and
ThipdiOperative Procedure: ***				X 144.644 - 144.044 - 12.054 (10)	42024	040/
No third operative procedure	12787	91%	37	67%	12824	91%
E49 - Diag. fibreoptic endoscopic exam. of lower respiratory tract	1	0.01%			1	0.01%
F13 - Restoration of tooth	1	0.01%		004	1	0.01%
K63 - Contrast radiology of heart	225	2%	1	2%	226	2%
K65 - Catheterisation of heart	78	1%	1	2%	79	1% 4%
L26 - Transluminal operations on aorta	534	4%			534	-
L31 - Transluminal operations on carotid artery	1	0.01%			1	0.01%
L35 - Transluminal operations on cerebral artery	2	0.01%		-		0.01%
L43 - Transluminal operations on renal artery	4	0.03%			4	0.03%
L47 - Transluminal operations on other visceral branch of abdominal aorta		0.01%			1	0.01%
L54 - Transluminal operations on iliac artery		0.01%		:	1	0.01%
L63 - Transluminal operations on femoral artery	4	0.03%			4	0.03%
L72 - Diag. transluminal operations on other artery	2	0.01%			2	0.01%
L91 - Other vein related operations	2	0.01%	3	5%	5	0.04%
L95 - Diag. transluminal operations on vein	2	0.01%	_		2	0.01%
M47 - Urethral catherterisation of bladder	2	0.01%	2	4%	4	0.03%
S57 - Exploration of other skin of other site			1	2%	1	0.01%
T12 - Puncture of pleura	1	0.01%	1		1	0.01%
W87 - Diag. endoscopic exam. of knee joint	1	0.01%			1	0.01%
X29 - Continuous infusion of therapeutic substance	5	0.04%			5	0.04%
X30 - Injection of therapeutic substance	1	0.01%			1	0.01%
X33 - Other blood transfusion	6	0.04%			6	0.04%
X34 - Other intravenous transfusion			3	5%	3	0.02%
X35 - Other intravenous injection	79	1%	3	5%	82	1%
X40 - Compensation for renal failure - Compensation for renal failure	1	0.01%	1	2%	2	0.01%
X50 - External resuscitation	3	0.02%			3	0.02%
X55 - Other operations on unspecified organ	1	0.01%			1	0.01%
Y22 - Drainage of organ (NOC)	1	0.01%			1	0.01%
Y40 - Dilation of organ (NOC)	1	0.01%			1	0.01%
Y53 - Percutaneous approach to organ under image contral	2	0.01%			2	0.01%
Y82 - Local anaesthetic	225	2%	1	2%	226	2%
Y84 - Other anaesthetic	15	0.1%			15	0.1%
Y90 - Other nonoperations	3	0.02%	1	2%	4	0.03%
Z33 - Other part of heart	4	0.03%			4	0.03%
Z34 - Aorta	1	0.01%			1	0.01%
Z36 - Branch of thoracic aorta	2	0.01%			2	0.01%
Z40 - Other vascular tissue	1	0.01%	1	2%	2	0.01%
Z41 - Upper urinary tract	1	0.01%			1	0.01%
270 - Radius	1	0.01%			1	0.01%
Z89 - Arm region	1	0.01%			1	0.01%
Z92 - Other region of body	2	0.01%			2	0.01%
Z94 - Laterality of operation	3	0.02%			3	0.02%
Total	14008	100%	55	100%	14063	100%

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HRG code E14 - Cardiac Catheterisation without Complications

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Fourth Operative Procedures of the second state of the second stat	1		BLAR CO	T		
No fourth operative procedure	13847	99%	40	73%	13887	99%
E05 - Surgical arrest of bleeding from internal nose	1	0.01%			1	0.01%
K63 - Contrast radiology of heart	23	0.2%	1	2%	24	0.2%
K65 - Catheterisation of heart	9	0.06%	2	4%	11	0.1%
L26 - Transluminal operations on aorta	57	0.4%			57	0.4%
L31 - Transluminal operations on carotid artery	4	0.03%		ļ	4	0.03%
L39 - Transluminal operations on subclavial artery	2	0.01%			2	0.01%
L43 - Transluminal operations on renal artery	4	0.03%			4	0.03%
L54 - Transluminal operations on iliac artery	2	0.01%			2	0.01%
L91 - Other vein related operations	1	0.01%			1	0.01%
M47 - Urethral catherterisation of bladder	1	0.01%	1	2%	2	0.01%
S57 - Exploration of other skin of other site			1	2%	1	0.01%
X29 - Continuous infusion of therapeutic substance	6	0.04%	3	5%	9	0.06%
X33 - Other blood transfusion			2	4%	2	0.01%
X34 - Other intravenous transfusion			1	2%	1	0.01%
X35 - Other intravenous injection	12	0.1%	2	4%	14	0.1%
X50 - External resuscitation	4	0.03%	1	2%	5	0.04%
Y20 - Other biopsy of organ (NOC)	1	0.01%			1	0.01%
Y33 - Puncture of organ (NOC)	1	0.01%			1	0.01%
Y53 - Percutaneous approach to organ under image contral	1	0.01%			1	0.01%
Y82 - Local anaesthetic	24	0.2%			24	0.2%
Y84 - Other anaesthetic	3	0.02%			3	0.02%
Z36 - Branch of thoracic aorta	1	0.01%			1	0.01%
Z41 - Upper urinary tract	1	0.01%			1	0.01%
Z92 - Other region of body			1	2%	1	0.01%
Z94 - Laterality of operation	3	0.02%			3	0.02%
Total	14008	100%	55	100%	14063	100%

Unknown	13	0.1%			13	0%
Male	9599	69%	34	62%	9633	68%
Female	4396	31%	21	38%	4417	31%
Total	14008	100%	55	100%	14063	100%

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HRG code E14 - Cardiac Catheterisation without Complications

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RA2 - Royal Surrey County & St. Lukes Hospital	194	1%		n oʻla doʻlandi.	194	1%
RA7 - United Bristol Healthcare	1	0.01%			1	0.01%
RAB - Freeman Group of Hospitals	1	0.01%			1	0.01%
RAL - Royal Free Hampstead	6	0.04%			6	0.04%
RC3 - Ealing Hospital	2	0.01%			2	0.01%
RC5 - Harefield Hospital	672	5%			- 672	5%
RCJ - South Tees Acute Hospitals	1	0.01%			1	0.01%
RD1 - Royal United Hospital, Bath	7	0.05%			7	0.05%
RD8 - Milton Keynes General	,	0.0070	3	5%	3	0.02%
RDL - Eastbourne Hospitals	503	4%	6	11%	509	4%
RDM - Hastings & Rother Hospital	280	2%	1	2%	281	2%
RDU - Frimley Park Hospitals	1	0.01%		270	1	0.01%
RDD - Frimey Fark hospitals RDZ - Royal Bournemouth & Christchurch Hospital	70	0.5%	1	2%	71	1%
	,0	0.01%	,	270	1	0.01%
REF - Royal Cornwall Hospitals Trusts	2	0.01%			2	0.01%
RFL - Glenfield Hospital	2	0.01%			2	0.01%
RFZ - Northwick Park & St. Marks	∠ 1	0.01%			1	0.01%
RG1 - Mid Kent Healthcare	473	3%	2	4%	475	3%
RG2 - Greenwich Healthcare	473	5%	2	4%	2	0.01%
RG3 - Bromley Hospitals	25	0.2%	2	470	25	0.2%
RGM - Papworth Hospital	417	3%	4	7%	421	3%
RGU - Brighton Healthcare	417	376	1	2%	1	0.01%
RGW - Kent & Canterbury Hospitals	140	19/		270	118	0.01% 1%
RGZ - Queen Mary's Sidcup	118	1% 0.05%			7	0.05%
RH8 - Royal Devon & Exeter Healthcare	7	0.05%				0.05%
RHH - East Surrey Healthcare	21 4205	0.1%	~	50/	21 1398	10%
RHM - Southampton University Hospital	1395	10%	3	5%		5%
RHU - Portsmouth Hospitals	653	5%	1	2%	654 570	
RHW - Royal Berkshire & Battle Hospitals	578	4%	1	2%	579 3954	4% 28%
RJ1 - Guy's & St. Thomas' Hospital Trust	3941	28%	13	24%		
RJ2 - The Lewisham Hospital	400	404	1	2%	1	0.01%
RJ5 - St. Mary's	102	1%	1	2%	103	1%
RJ6 - Mayday Healthcare	32	0.2%	_	001	32	0.2%
RJ7 - St George's Healthcare	1428	10%	5	9%	1433	10%
RJZ - King's Healthcare	1387	10%	2	4%	1389	10%
RKB - Walsgrave Hospitals	3	0.02%			3	0.02%
RM1 - Norfolk & Norwich Health Care	1	0.01%			1	0.01%
RM2 - South Manchester University Hospital	1	0.01%			1	0.01%
RN3 - Swindon & Malborough Hospital	15	0.1%			15	0.1%
RNJ - The Royal Hospitals	23	0.2%		101	23	0.2%
RNX - Oxford Radcliffe Hospital	1082	8% 0.01%	2	4%	1084	8% 0.01%
RNZ - Salisbury Healthcare	1	0.01%		20/	1	0.01%
RPA - Medway	_	0.0494	1	2%	1	0.01%
RPF - South Kent Hospitals	1	0.01%	, i	F0/	1	0.01%
RPL - Worthing & Southlands Hospital	2	0.01%	3	5%	5	0.04%
RPR - The Royal West Sussex Trust	2	0.01%			2	0.01%
RPX - Royal Brompton Hospital	133	1%			133	1% 0.00%
RQM - Chelsea & Westminster Healthcare	8	0.06%			8	0.06%
RQN - Hammersmith Hospitals	80	1%			80	1%
RRK - University Hospital Birmingham	2	0.01%			2	0.01%
RRV - University College London	333	2%	2		335	2% 100%
Total	14008	100%	55	100%	14063	

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<u>1997/98 New South East Region (plus London HAs formerly in South Thames East)</u> <u>HRG code E14 - Cardiac Catheterisation *without* Complications</u>

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Cardiac Units	7104	51%	21	38%	7125	51%
Non-Cardiac Units	6904	49%	34	62%	6938	49%
Total	14008	100%	55	100%	14063	100%

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Health audiours of sections sales and a mean medicate and a set of the section of						
QA7 - Berkshire	820	6%	2	4%	822	6%
QA8 - Buckinghamshire	678	5%	2	4%	680	5%
QAA - Bexley & Greenwich	948	7%	4	7%	952	7%
QAC - Bromley	472	3%	1	2%	473	3%
QAE - East Kent	1057	8%	4	7%	1061	8%
QAF - West Kent	1397	10%	5	9%	1402	10%
QAH - Lambeth Southwark & Lewisham	1446	10%	4	7%	1450	10%
QAK - East Surrey	633	5%	1	2%	634	5%
QAL - West Surrey	1114	8%	5	9%	1119	8%
QAM - East Sussex	1383	10%	11	20%	1394	10%
QAN - West Sussex	859	6%	6	11%	865	6%
QCE - Oxfordshire	830	6%	3	5%	833	6%
QD1 - North & Mid Hampshire	515	4%	3	5%	518	4%
QD2 - Portsmouth & SE Hampshire	794	6%	1	2%	795	6%
QD3 - Southampton & SW Hampshire	1010	7%	3	5%	1013	7%
QD4 - Isle of Wight	52	0.4%			52	0.4%
Total	14008	100%	55	100%	14063	100%

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0 days	8	15%
1 day	12	22%
2 days	5	9%
3-4 days	10	18%
5-7 days	10	18%
8-14 days	7	13%
15-30 days	2	4%
Over 30 days	1	2%
Total	5 5	100%

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