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

Adam Cook Declan O'Neill

2000

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

Adam Cook Declan O'Neill

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• Sex	20
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Summary Tables

1995/96-1997/98 New South East Region (Plus London Has formerly in South Thames East) 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%

1997/98 New South East Region (Plus London Has formerly in South Thames East) E13 & E14

Admitting diagnosis in patients who died

I20 - Angina pectoris			5	9%
I21 - Acute myocardial infarction			12	22%
122 - Subsequent myocardial infarction		ļ	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		1	2%
l42 - Cardiomyopathy	1	11%	1	2%
146 - Cardiac arrest	1	11%		
150 - Heart failure	7	78%		
I71 - Aortic aneurysm and dissection			1	2%
R07 - Pain in throat and chest			1	2%
Others			21	38%
Total	9	100%	55	100%

Admission Method

Almissimania katero (n. 2200).				
Elective	33%	53%	7%	80%
Emergency	56%	30%	55%	10%
Transfer	11%	16%	38%	10%

Patient Classification

	Aug and		and the second	1
Raulein foliasson e autopolitico e estados (2002) e estados e estados e en estados e en estados e en estados e				
Inpatient	100%	66%	98%	44%
Daycase	<u> </u>	34%	2%	56%

<u>Sex</u>

	Reco			
Parent extra parent and a second control of the con			Van bee	
Male	67%	70%	62%	69%
Female	33%	30%	38%	31%

Provider

·				
	La balantuci.	SOUND SECURE	The state of	
Teaching Hospital	44%	70%	51%	75%
Non-Teaching Hospital	66%	30%	49%	25%

*

1997/98 New South East Region (Plus London Has formerly in South Thames East) E13 & E14

Age by admitting diagnosis for deaths

[4]:46	PERSONAL PROPERTY OF THE PROPE	្នើរព្រះព្រះព្រះ	Si Grazi	(. (i) /(v.)	(4)	daniest ((-16)(10)	kinni (aki)	inche)	ly fire of		e e e e e
E13	l42 - Cardiomyopathy									1		1
	146 - Cardiac arrest	1										1
	I50 - Heart failure				2	1	1	<u> </u>	2	<u> </u>	1	7
1	Total	1	0	Ö	2	1	1	0	2	1	1	9
E14	I20 - Angina pectoris					1	1		1		2	5
	I21 - Acute myocardial infarction						1	4	3	2	2	12
İ	122 - Subsequent myocardial infarction			ŀ	ļ		[1		. 1
	l23 - Certain current complication follow acute myocardial infarct	ļ		[ļ			1		1
İ	l25 - Chronic ischaemic heart disease					1	1	1	3	1	4	10
	127 - Other pulmonary heart diseases								1	Ì		1
1	l35 - Nonrheumatic aortic valve disorders	ļ		ļ	ł		ł	İ	ł	ł	1	1 1
	l42 - Cardiomyopathy			İ			1		ļ			1
	171 - Aortic aneurysm and dissection						Ì		1	1		1
]	R07 - Pain in throat and chest										1	1
ļ	Others	4	1	4			_ 2	1	4	1	4	21
	Total	4	1	4	0	1	6	6	12	7	14	55

3-Year Comparative Table

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

Marina 77				384.9 (37)
1995/96	Total Number	238	13625	13863
	Number of Deaths	13	88	101
1	Day of Death			
	0 days		10	10
ļ	1 day	3	14	17
}	2 days	1	14	15
	3-4 days		15	15
	5-7 days	6	14	20
	8-14 days	2	11	13
ľ	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
ľ	2 days		5	5
	3-4 days	4	8	12
İ	5-7 days	3	14	17
J	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	1 day	2	12	14
	2 days	1	5	6
	3-4 days	!	10	10
	5-7 days	3	10	13
1	8-14 days	· 	7	7
	15-30 days	2	2	4
	Over 30 days		11	1

HRG Code E13 Cardiac Catheterisation with Complications

	i Maranda	E 22 3 5 7 10 7 21 5		SK2Kinise.	Y Laborit	
108 - Multiple valve diseases	2	1%			2	1%
I11 - Hypertensive heart disease	6	3%			6	3%
I13 - Hypertensive heart & renal disease	1	1%	l	ł	1	1%
I23 - Certain current complications after acute mycardial infarction	2	1%			2	1%
124 - Other acute ischaemic heart diseases	7	4%		1	7	4%
l25 - Chronic ischaemic heart disease	4	2%			4	2%
I26 - Pulmonary embolism	1	1%			1	1%
I31 - Other diseases of pericardium	3	2%			3	2%
I33 - Acute & subacute endocarditis	4	2%	ł		4	2%
I40 - Acute Myocarditis	1	1%		}	1	1%
142 - Cardiomyopathy	26	15%	1	11%	27	15%
144 - Artiventricular & left bundle-branch block	26	15%			26	14%
l45 - Other conduction disorders	1	1%			1	1%
146 - Cardiac arrest	2	1%	1	11%	3	2%
l47 - Paroxysmal tachycardia	32	18%			32	17%
150 - Heart failure	52	30%	7	78%	59	32%
151 - Complications & ill-defined descriptions of heart disease	1	1%]]	1	1%
I71 - Aortic aneurysm & dissection	2	1%			2	1%
195 - Hypotension	1	1%			1	1%
Total	174	100%	9	100%	183	100%

<u> </u>						
Adhiesania kabana a sa sa sa sa sa sa sa sa sa sa sa sa						
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%

					Y	
A TOUR STORY OF THE STORY OF TH			CONTRACTOR OF THE SECOND	in in the contract of the cont	Carre	
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%

	le districtiv					
		Land State of the				V. 70
Inpatient	114	66%	9	100%	123	67%
Daycase	60	34%			60	33%
Total	174	100%	9	100%	183	100%

						GADA
				TURNING OF		
Usual place of residence	137	79%			137	75%
Other NHS provider (General Ward)	10	6%			10	5%
Died	1	0%	9	100%	9	5%
Other	27	16%			27	15%
Total	174	100%	9	* 100%	183	100%

	Wat P.O.					
Distriction of Medical Market (1992) and the Second					25.00	
Discharged on clinical advice	147	84%			147	80%
Died			9	100%	9	5%
Other	27	16%		_	27	15%
	174	100%	9	100%	183	100%

	The second secon					
araen etaken arain harrenan ear harren artistak etakena			žv.		Company and and	
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%

	Wing Commercial Con-					
					A y www.pro.wy	- TWO THE STREET WAS BEEN THE
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%

190 - Accident & Emergency	1 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	11	1%			1	1%
Total	174	100%	9	100%	183	100%

Printer Operation Recedition of Wilder Property State (1996)						
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%

Stationary (decratistic bracket or in the party of the pa			3.37			
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%	[[1	2	1%
L91 - Other vein related operations	2	1%			2	1%
M47 - Urethral catherterisation of bladder		1	1	11%	1	1%
X33 - Other blood transfusion	1	1%		-	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	11	1%		<u> </u>	1	1%
Total	174	100%	9	100%	183	100%

	ealateans					
No third operative procedure	157	90%	6	67%	163	89%
K63 - Contrast radiology of heart	4	2%	1		4	2%
K65 - Catheterisation of heart	2	1%	1	11%	3	2%
L.26 - Transluminal operations on aorta	4	2%		}	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%		İ	1	1%
Y82 - Local anaesthetic	2	1%			2	1%
Y90 - Other nonoperations	111	1%			1	1%
Total	174	100%	9	100%	183	100%

				And the second second second	NANAS.	
konderpiku pakasaan kan kan kan kan kan basa kan basa kan kan basa kan basa kan basa kan basa kan basa kan bas				And Continues		1
No fourth operative procedure	174	100%	8	89%	182	99%
Y82 - Local anaesthetic			11	11%	1	1%
Totai	174	100%	9	100%	183	100%

Security of the control of the contr	15 M 45 131			1925, 247, 627, 62		
Unknown	1	1%	ł	}	1	1%
Male	121	70%	6	67%	127	69%
Female	52	30%	3	33%	55	30%
Total	174	100%	9	100%	183	100%

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%	j	ļ	1	1%
RD8 - Milton Keynes General	1 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%
Total	174	100%	9	100%	183	100%

						A 11 300
		sa katalan	ing on a stra Inggalagi			200
Cardiac Units	75	1%	4	7%	79	1%
Non-Cardiac Units	99	1%	5	9%	104	1%
Total	174	1%	9	16%	183	1%

		Section 1				
inearth Authorn entricescopeus authorn 2000 (1900)	Same on E.C. s	A CONTRACTOR COLUMN ACCOUNTS	5 2 Land			7/57
QA7 - Berkshire	9	5%			9	5%
QA8 - Buckinghamshire	8	5%			8	4%
QAA - Bexley & Greenwich	12	7%			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%	ĺ	i	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%		1	18	10%
QD1 - North & Mid Hampshire	6	3%			6	3%
QD2 - Portsmouth & SE Hampshire	16	9%			16	9%
QD3 - Southampton & SW Hampshire	12	7%	1	11%	13	7%
Total	174	100%	9	100%	183	100%

Days, beyroon presedum and dealthings: #2500 Cores and Assessor 1980.	200	200
0 days	1	11%
1 day	2	22%
2 days	1 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

1997/98 New South East Region (plus London HAs formerly in South Thames East)

HRG code E14 - Cardiac Catheterisation without Complications

	inis.				i i	
Waiping and the second		TVE Z N	204025		53717 See Sales	in State of
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%
I10 - Essential (primary) hypertension	49	0.3%		İ	49	0.3%
I20 - Angina pectoris	1536	11%	5	9%	1541	11%
I21 - Acute myocardial infarction	298	2%	12	22%	310	2%
I22 - Subsequent myocardial infarction	30	0.2%	1	2%	31	0.2%
I23 - Certain current complication follow acute myocardial infarct	10	0.1%	1	2%	11	0.1%
124 - Other acute ischaemic heart diseases	54	0.4%		i	54	0.4%
I25 - Chronic ischaemic heart disease	8051	57%	10	18%	8061	57%
127 - Other pulmonary heart diseases	14	0.1%	1	2%	15	0.1%
134 - Nonrheumatic mitral valve disorders	234	2%			234	2%
l35 - Nonrheumatic aortic valve disorders	589	4%	1	2%	590	4%
l42 - 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%

		Statistical Control		Ter (o . 1 ° 2 Ang Jewes)		
Admission Medical communication consequences and provide a consequence of the consequences of the conseque		2 (1)	122			
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%

	i bica					
Admission/Shurces (2904) Admission Shurces (20	N.C.				Gue a	
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%		ł	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%

finipation:	02 13	77/0	"	3070	02.10	70/0
Inpatient 6	6219	44%	54	98%	6273	45%
Principal Characteristics and the Control of the Co	6210	119/	54	0.00/	6272	450/

			- ************************************			
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	[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%		ļ	1	0.01%
Other NHS provider (Mental Health Ward)	2	0.01%			2	0.01%
Local Authority Care	1 1	0.01%			1	0.01%
Died			55	100%	55	0.4%
Non NHS Healthcare provider	3	0.02%		i :	3	0.02%
Other	1022	7%	<u> </u>		1022	7%
Total	14008	100%	55	100%	14063	100%

	73. 12.					
		Shall and	Land		California (California)	
Discharged on clinical advice	12975	93%			12975	92%
Discharged self	20	0.1%	ĺ	1	20	0.1%
Died]		55	100%	55	0.4%
Other	1013	7%			1013	7%
	14008	100%	55	100%	14063	100%

1997/98 New South East Region (plus London HAs formerly in South Thames East)

HRG code E14 - Cardiac Catheterisation without Complications

				5: 16. 3	41.5	
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%

	3.81.55					
Engage autobase					Troporti	Gui.
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%

						1.544
Man's Calcilla control and the state of the						
100 - General Surgery	8	0.1%			8	0%
101 - Urology	2	0.01%			2	0%
150 - Neurosurgery	1	0.01%		ļ	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%		İ	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%

		oran Buca.				
		2000000000 \$798,108537,3000	C 97.80 Sure Consortion Con-	ion L	www.adda.com/comodalic	
Primary Operanvererocadinates (1)	1	0.01%			1	0%
No Primary operative procedure	13548	97%	23	42%	' 13571	97%
K63 - Contrast radiology of heart K65 - Catheterisation of heart	448	3%	26	47%	474	3%
L91 - Other vein related operations	2	0.01%	20	4%	4	0%
L95 - Diag. transluminal operations on vein	1 1	0.01%		7/0	4	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%

	200 TEX. 1			e in the second	* * **********	
Secondary support to translating the second		addinir dir.		CONTRACTOR AND CONTRACTOR		
No secondary operative procedure	6358	45%	16	29%	6374	45%
E05 - Surgical arrest of bleeding from internal nose	1	0.01%	10	23/0	1	0.01%
E49 - Diag, fibreoptic endoscopic exam. of lower respiratory tract	1 1	0.01%	}			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 1	0.01%		3/8	1 1	0.01%
L26 - Transluminal operations on aorta	150	1%	1	2%	151	1%
L31 - Transluminal operations on carotid artery	2	0.01%	'	270	2	0.01%
L43 - Transluminal operations on renal artery	6	0.04%			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%			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		0.01%			1	0.01%
S15 - Other biopsy of skin	1	0.01%			1 1	0.01%
S47 - Opening of skin	1	0.01%			1	0.01%
W36 - Diag. puncture of bone	1	0.01%			1 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 - Termiani 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%

1997/98 New South East Region (plus London HAs formerly in South Thames East)

HRG code E14 - Cardiac Catheterisation without Complications

			San San San San San San San San San San			
TageTCpeFattve Ezgradure it 1990 III 100 III III	7-2-7				70.5	27.5
No third operative procedure	12787	91%	37	67%	12824	91%
E49 - Diag. fibreoptic endoscopic exam. of lower respiratory tract	1	0.01%	i I		1	0.01%
F13 - Restoration of tooth	1	0.01%			1	0.01%
K63 - Contrast radiology of heart	225	2%	1	2%	226	2%
K65 - Catheterisation of heart	78	1%	1	2%	79	1%
L26 - Transluminal operations on aorta	534	4%			534	4%
L31 - Transluminal operations on carotid artery	1	0.01%			1	0.01%
L35 - Transluminal operations on cerebral artery	2	0.01%			2	0.01%
L43 - Transluminal operations on renal artery	4	0.03%			4	0.03%
L47 - Transluminal operations on other visceral branch of abdominal aorta	1	0.01%			1	0.01%
L54 - Transluminal operations on iliac artery	1	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%	i		1	0.01%
W87 - Diag. endoscopic exam. of knee joint	1	0.01%			1 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%
Z70 - 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%

1997/98 New South East Region (plus London HAs formerly in South Thames East)

HRG code E14 - Cardiac Catheterisation without Complications

		Ĺá.		A AND ON THE BEST DESCRIPTION	S S T PT CTT CALL STORES STREET OF	
Rough Operative Procedurers (1997)	H KG	ever som		200		1-65
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%	ĺ	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 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 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%

					1001 1780	
Provided by the County of St. Lydro Heavitain	194	1%		22/4-12	194	1%
RA2 - Royal Surrey County & St. Lukes Hospital 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		0.0075	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%
RDZ - Royal Bournemouth & Christchurch Hospital	70	0.5%	1	2%	71	1%
REF - Royal Cornwall Hospitals Trusts	1	0.01%	,		1	0.01%
RFL - Glenfield Hospital	2	0.01%			2	0.01%
RFZ - Northwick Park & St. Marks	2	0.01%			2	0.01%
RG1 - Mid Kent Healthcare	1	0.01%			1	0.01%
RG2 - Greenwich Healthcare	473	3%	2	4%	475	3%
RG3 - Bromley Hospitals			2	4%	2	0.01%
RGM - Papworth Hospital	25	0.2%			25	0.2%
RGU - Brighton Healthcare	417	3%	4	7%	421	3%
RGW - Kent & Canterbury Hospitals			1	2%	1	0.01%
RGZ - Queen Mary's Sidcup	118	1%			118	1%
RH8 - Royal Devon & Exeter Healthcare	7	0.05%			7	0.05%
RHH - East Surrey Healthcare	21	0.1%			21	0.1%
RHM - Southampton University Hospital	1395	10%	3	5%	1398	10%
RHU - Portsmouth Hospitals	653	5%	1	2%	654	5%
RHW - Royal Berkshire & Battle Hospitals	578	4%	1	2%	579	4%
RJ1 - Guy's & St. Thomas' Hospital Trust	3941	28%	13	24%	3954	28%
RJ2 - The Lewisham Hospital			1	2%	1	0.01%
RJ5 - St. Mary's	102	1%	1	2%	103	1%
RJ6 - Mayday Healthcare	32	0.2%			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%			23	0.2%
RNX - Oxford Radcliffe Hospital	1082	8%	2	4%	1084	8%
RNZ - Salisbury Healthcare	1	0.01%			1	0.01%
RPA - Medway	-		1	2%	1	0.01%
RPF - South Kent Hospitals	1	0.01%			1	0.01%
RPL - Worthing & Southlands Hospital	2	0.01%	3	5%	5	0.04%
RPR - The Royal West Sussex Trust	2	0.01%	1		2	0.01%
RPX - Royal Brompton Hospital	133	1%			133	1%
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%
Total	14008	100%	55	100%	14063	100%

				433		
				Š. 7	in the same	
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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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	55	100%