

**NHS BLOOD AND TRANSPLANT**

**CARDIOTHORACIC ACTIVITY REPORT**

**1 APRIL 2012 – 31 MARCH 2013**

**September 2013**

# NHS BLOOD AND TRANSPLANT CARDIOTHORACIC ACTIVITY REPORT 1 APRIL 2012 – 31 MARCH 2013 CONTENTS

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# CARDIOTHORACIC ACTIVITY REPORT

## 1 APRIL 2012 – 31 MARCH 2013

### INTRODUCTION

This report summarises cardiothoracic donor, transplant list and transplant activity in the UK and Republic of Ireland (RoI) by cardiothoracic zone or centre. All data were obtained from the UK Transplant Registry.

Paediatric information is reported separately, but due to small numbers involved in the breakdowns, percentages and summary statistics have only been provided where appropriate.

### DEFINITIONS

Adult donor	A donor aged 16 years or older at time of death.
Adult recipient	A patient aged 16 years or older at time of transplant, or registration transplant list snapshot, as applicable (unless otherwise stated).
H	Heart
L	Lung
HL	Heart and lung donor or heart/lung block transplant, as appropriate

### DONORS

Data on 303 (288 adult, 15 paediatric) donors from the UK and RoI have been considered for the period 1 April 2012 to 31 March 2013. Cardiothoracic donors have been reported as either heart only (H), lung only (L) or both heart and lung (HL). Deceased (donation after brain death (DBD) and donation after circulatory death (DCD)), living and domino donors are included. Heart valve only donors and organs removed for research purposes only (without being offered) have been excluded. Donors are reported according to their zone of donation, rather than the centre that retrieved the organs. Donors from hospitals in Scotland are reported as being in the Glasgow zone and donors from RoI hospitals in the Dublin zone.

### TRANSPLANT LIST

Data on 444 (415 adult, 29 paediatric) patients registered on the active transplant list in the UK have been considered as at 31 March 2013. Transplant list data for Dublin are unavailable. Table 2.2a presents the median waiting time for 609 adult registrations for heart or lung transplant between 1 April 2010 and 31 March 2012. Tables 2.9a and 2.9b consider a different cohort of patients waiting for a cardiothoracic transplant; they summarise the registration outcome at 31 March 2013 of 400 (368 adult, 32 paediatric) patients already waiting on the transplant list at 1 April 2012 and those 521 (476 adult, 45 paediatric) patients who were registered during the financial year between 1 April 2012 and 31 March 2013.

### TRANSPLANTS

Data on 337 (310 adult, 27 paediatric) transplants in the UK and RoI have been considered for the period 1 April 2012 to 31 March 2013. Data for non-urgent and urgent heart transplants are included unless otherwise specified. During this period, there were 34 deceased donor after circulatory death (DCD) adult lung transplants; 14 at Harefield, 12 at Newcastle, five at Papworth, two at Manchester and one at Birmingham. There were no living lung transplants performed. All of the paediatric transplants were from deceased donors after brain death (DBD).

**DONORS****Table 1.1 Cardiothoracic donors, 1 April 2012 – 31 March 2013 (1 April 2011 – 31 March 2012)**

Donation zone	Heart		Organ type of donor Lung		Heart/lung		Total donors
	Adult	Paed.	Adult	Paed.	Adult	Paed.	
Birmingham	17 (13)	4 (1)	22 (23)	1 (1)	8 (15)	0 (1)	<b>52 (54)</b>
Glasgow	9 (1)	0 (1)	17 (8)	0 (0)	2 (3)	1 (1)	<b>29 (14)</b>
Harefield	10 (9)	3 (2)	26 (25)	0 (0)	11 (5)	0 (0)	<b>50 (41)</b>
Manchester	9 (9)	1 (2)	21 (19)	0 (0)	4 (6)	0 (0)	<b>35 (36)</b>
Newcastle	12 (9)	0 (0)	37 (26)	0 (0)	11 (14)	3 (0)	<b>63 (49)</b>
Papworth	20 (18)	1 (3)	31 (18)	0 (1)	18 (26)	0 (0)	<b>70 (66)</b>
Dublin	3 (4)	1 (1)	0 (3)	0 (0)	0 (1)	0 (0)	<b>4 (9)</b>
<b>TOTAL</b>	<b>80 (63)</b>	<b>10 (10)</b>	<b>154 (122)</b>	<b>1(2)</b>	<b>54(70)</b>	<b>4 (2)</b>	<b>303 (269)</b>

**Table 1.2a Adult donor age, height and weight, 1 April 2012 – 31 March 2013**

Donation zone		Age (years)			Height (cm)		Weight (kg)		Total donors
		Median	IQ-range		Mean	s.d	Mean	s.d	
Birmingham	H	47.0	38.0	52.0	177.2	7.1	84.0	11.7	17
	L	49.0	36.0	55.0	168.7	8.3	71.1	7.8	22
	HL	-	-	-	-	-	-	-	8
Glasgow	H	-	-	-	-	-	-	-	9
	L	42.0	34.0	56.0	167.9	7.5	73.0	13.3	17
	HL	-	-	-	-	-	-	-	2
Harefield	H	44.5	40.0	49.0	175.6	11.4	78.1	13.4	10
	L	44.0	37.0	56.0	168.3	7.6	75.6	14.8	26
	HL	39.0	23.0	49.0	171.1	9.2	75.1	12.7	11
Manchester	H	-	-	-	-	-	-	-	9
	L	52.0	45.0	58.0	170.8	9.5	76.5	18.1	21
	HL	-	-	-	-	-	-	-	4
Newcastle	H	37.5	31.5	47.0	175.9	8.7	77.1	14.8	12
	L	49.0	40.0	56.0	166.0	8.4	70.8	14.3	37
	HL	39.0	24.0	49.0	170.5	8.7	76.5	6.2	11
Papworth	H	41.5	32.5	50.5	177.9	9.3	83.2	16.4	20
	L	51.0	42.0	58.0	167.9	9.3	77.7	15.0	31
	HL	45.0	30.0	49.0	171.2	9.7	78.9	14.2	18
Dublin	H	-	-	-	-	-	-	-	3
<b>TOTAL</b>	H	<b>43.5</b>	<b>32.0</b>	<b>49.0</b>	<b>175.8</b>	<b>11.3</b>	<b>81.0</b>	<b>14.3</b>	<b>80</b>
	L	<b>49.0</b>	<b>38.0</b>	<b>57.0</b>	<b>168.0</b>	<b>8.5</b>	<b>74.1</b>	<b>14.3</b>	<b>154</b>
	HL	<b>39.5</b>	<b>29.0</b>	<b>49.0</b>	<b>171.9</b>	<b>8.8</b>	<b>76.9</b>	<b>11.6</b>	<b>54</b>

- Summary statistics not estimated due to small numbers of patients

**Table 1.2b Paediatric donor age, height and weight, 1 April 2012 - 31 March 2013**

The annual number of donors by donation zone were too small to present meaningful summary statistics regarding donor age, height and weight.

**Table 1.3a Adult donor blood group, 1 April 2012 - 31 March 2013**

		Blood group								Total donors
		O		A		B		AB		
Donation zone		N	%	N	%	N	%	N	%	
Birmingham	H	6	35	10	59	1	6	0	0	17
	L	11	50	10	45	1	5	0	0	22
	HL	3	38	5	63	0	0	0	0	8
Glasgow	H	3	33	4	44	2	22	0	0	9
	L	9	53	5	29	3	18	0	0	17
	HL	1	50	1	50	0	0	0	0	2
Harefield	H	6	60	4	40	0	0	0	0	10
	L	10	38	15	58	1	4	0	0	26
	HL	6	55	5	45	0	0	0	0	11
Manchester	H	4	44	3	33	0	0	2	22	9
	L	13	62	5	24	2	10	1	5	21
	HL	1	25	3	75	0	0	0	0	4
Newcastle	H	6	50	3	25	3	25	0	0	12
	L	22	59	12	32	3	8	0	0	37
	HL	8	73	3	27	0	0	0	0	11
Papworth	H	6	30	13	65	0	0	1	5	20
	L	15	48	12	39	4	13	0	0	31
	HL	7	39	8	44	3	17	0	0	18
Dublin	H	2	67	1	33	0	0	0	0	3
TOTAL	H	33	41	38	48	6	8	3	4	80
	L	80	52	59	38	14	9	1	1	154
	HL	26	48	25	46	3	6	0	0	54

**Table 1.3b Paediatric donor blood group, 1 April 2012 - 31 March 2013**

		Blood group				Total donors
		O	A	B	AB	
Donation zone		N	N	N	N	
Birmingham	H	1	3	0	0	4
	L	0	1	0	0	1
Glasgow	HL	1	0	0	0	1
Harefield	H	1	2	0	0	3
Manchester	H	1	0	0	0	1
Newcastle	HL	3	0	0	0	3
Papworth	H	0	1	0	0	1
Dublin	H	1	0	0	0	1
<b>TOTAL</b>	<b>H</b>	<b>4</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>10</b>
	<b>L</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
	<b>HL</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>

**Table 1.4a Adult donor ethnic origin, 1 April 2012 - 31 March 2013**

		Ethnic Origin										Total donors
		White		Asian		Black		Other		Unknown		
Donation zone		N	%	N	%	N	%	N	%	N	%	
Birmingham	H	17	100	0	0	0	0	0	0	0	0	17
	L	19	86	1	5	1	5	1	5	0	0	22
	HL	7	88	0	0	1	13	0	0	0	0	8
Glasgow	H	9	100	0	0	0	0	0	0	0	0	9
	L	17	100	0	0	0	0	0	0	0	0	17
	HL	2	100	0	0	0	0	0	0	0	0	2
Harefield	H	8	80	1	10	0	0	0	0	1	10	10
	L	24	92	2	8	0	0	0	0	0	0	26
	HL	11	100	0	0	0	0	0	0	0	0	11
Manchester	H	9	100	0	0	0	0	0	0	0	0	9
	L	21	100	0	0	0	0	0	0	0	0	21
	HL	4	100	0	0	0	0	0	0	0	0	4
Newcastle	H	12	100	0	0	0	0	0	0	0	0	12
	L	37	100	0	0	0	0	0	0	0	0	37
	HL	11	100	0	0	0	0	0	0	0	0	11
Papworth	H	18	90	1	5	1	5	0	0	0	0	20
	L	27	87	1	3	2	6	1	3	0	0	31
	HL	16	89	0	0	2	11	0	0	0	0	18
Dublin	H	3	100	0	0	0	0	0	0	0	0	3
TOTAL	H	76	95	2	3	1	1	0	0	1	1	80
	L	145	94	4	3	3	2	2	1	0	0	154
	HL	51	94	0	0	3	6	0	0	0	0	54

**Table 1.4b Paediatric donor ethnic origin, 1 April 2012 - 31 March 2013**

		Ethnic Origin				Total donors
		White	Asian	Black	Other	
Donation zone		N	N	N	N	
Birmingham	H	4	0	0	0	4
	L	1	0	0	0	1
Glasgow	HL	1	0	0	0	1
Harefield	H	3	0	0	0	3
Manchester	H	1	0	0	0	1
Newcastle	HL	2	0	0	1	3
Papworth	H	1	0	0	0	1
Dublin	H	1	0	0	0	1
<b>TOTAL</b>	<b>H</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>
	<b>L</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
	<b>HL</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>

**Table 1.5a Adult donor gender, 1 April 2012 - 31 March 2013**

		Gender				Total donors
		Male		Female		
Donation zone		N	%	N	%	
Birmingham	H	14	82	3	18	17
	L	8	36	14	64	22
	HL	5	63	3	38	8
Glasgow	H	7	78	2	22	9
	L	7	41	10	59	17
	HL	1	50	1	50	2
Harefield	H	6	60	4	40	10
	L	6	23	20	77	26
	HL	6	55	5	45	11
Manchester	H	6	67	3	33	9
	L	9	43	12	57	21
	HL	4	100	0	0	4
Newcastle	H	9	75	3	25	12
	L	10	27	27	73	37
	HL	5	45	6	55	11
Papworth	H	16	80	4	20	20
	L	15	48	16	52	31
	HL	10	56	8	44	18
Dublin	H	1	33	2	67	3
TOTAL	H	59	74	21	26	80
	L	55	36	99	64	154
	HL	31	57	23	43	54

**Table 1.5b Paediatric donor gender, 1 April 2012 - 31 March 2013**

Table 10a		Facilitate donor gender, 1 April 2012 – 31 March 2016		
		Gender		
		Male	Female	
Donation zone		N	N	Total donors
Birmingham	H	3	1	4
	L	0	1	1
Glasgow	HL	1	0	1
Harefield	H	1	2	3
Manchester	H	0	1	1
Newcastle	HL	3	0	3
Papworth	H	0	1	1
Dublin	H	1	0	1
TOTAL	H	5	5	10
	L	0	1	1
	HL	4	0	4



Table 1.6a		Adult donor cause of death, 1 April 2012 - 31 March 2013										
		Cause of death										
		Live		CVA		RTA		Other trauma		Misc		
Donation zone		N	%	N	%	N	%	N	%	N	%	Total donors
Birmingham	H	0	0	10	59	1	6	2	12	4	24	17
	L	0	0	16	73	0	0	0	0	6	27	22
	HL	0	0	5	63	0	0	2	25	1	13	8
Glasgow	H	0	0	7	78	0	0	1	11	1	11	9
	L	0	0	13	76	0	0	1	6	3	18	17
	HL	0	0	2	100	0	0	0	0	0	0	2
Harefield	H	0	0	6	60	0	0	0	0	4	40	10
	L	0	0	20	77	0	0	2	8	4	15	26
	HL	0	0	6	55	2	18	0	0	3	27	11
Manchester	H	0	0	8	89	0	0	0	0	1	11	9
	L	0	0	17	81	0	0	0	0	4	19	21
	HL	0	0	4	100	0	0	0	0	0	0	4
Newcastle	H	0	0	6	50	1	8	1	8	4	33	12
	L	0	0	26	70	0	0	1	3	10	27	37
	HL	0	0	7	64	0	0	0	0	4	36	11
Papworth	H	0	0	10	50	5	25	1	5	4	20	20
	L	0	0	27	87	0	0	0	0	4	13	31
	HL	0	0	13	72	0	0	2	11	3	17	18
Dublin	H	0	0	0	0	2	67	0	0	1	33	3
TOTAL	H	0	0	47	59	9	11	5	6	19	24	80
	L	0	0	119	77	0	0	4	3	31	20	154
	HL	0	0	37	69	2	4	4	7	11	20	54
CVA = cerebrovascular accident. RTA = road traffic accident												

CVA = cerebrovascular accident, RTA = road traffic accident

<b>Table 1.6b Paediatric donor cause of death, 1 April 2012 - 31 March 2013</b>		Cause of death					Total donors
Donation zone		Live		CVA	RTA	Other trauma	
		N	N	N	N	N	
Birmingham	H	0	2	0	0	2	4
	L	0	1	0	0	0	1
Glasgow	HL	0	1	0	0	0	1
Harefield	H	0	0	1	0	2	3
Manchester	H	0	0	0	0	1	1
Newcastle	HL	0	3	0	0	0	3
Papworth	H	0	1	0	0	0	1
Dublin	H	0	1	0	0	0	1
<b>TOTAL</b>	<b>H</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>10</b>
	<b>L</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
	<b>HL</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>

CVA = cerebrovascular accident, RTA = road traffic accident

## TRANSPLANT LIST

<b>Table 2.1 Patients on the active cardiothoracic transplant list, 31 March 2013 (1 April 2011 - 31 March 2012)</b>							
Centre	Heart		Organ awaited Lung		Heart/lung		Total patients
	Adult	Paed.	Adult	Paed.	Adult	Paed.	
Birmingham	19 (7)	0 (0)	20 (16)	0 (0)	0 (2)	0 (0)	<b>39 (25)</b>
Glasgow	8 (9)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	<b>8 (9)</b>
Great Ormond Street	2 (1)	10 (10)	2 (0)	11 (12)	0 (0)	2 (3)	<b>27 (26)</b>
Harefield	53 (42)	0 (0)	68 (66)	0 (0)	2 (2)	0 (0)	<b>123 (110)</b>
Manchester	15 (17)	0 (0)	39 (24)	0 (0)	0 (0)	0 (0)	<b>54 (41)</b>
Newcastle	41 (35)	4 (4)	55 (74)	2 (1)	2 (3)	0 (0)	<b>104 (117)</b>
Papworth	48 (44)	0 (0)	29 (23)	0 (0)	10 (6)	0 (0)	<b>87 (73)</b>
<b>TOTAL</b>	<b>186(155)</b>	<b>14 (14)</b>	<b>213(203)</b>	<b>13 (13)</b>	<b>14 (13)</b>	<b>2 (3)</b>	<b>442 (401)</b>

**Table 2.2a** Median waiting time of adults<sup>1</sup> registered on the active non-urgent transplant list, 1 April 2010 - 31 March 2012  
(Excludes urgent heart and heart/lung registrations)

Centre		Active waiting time (days)			Total registrations
		Median waiting time estimate (days)	95% Confidence Interval		
Birmingham	H	74	30	- 118	29
	L	307	118	- 496	38
Glasgow	H	236	110	- 362	16
Great Ormond Street	H	-			3
	L	70			1
Harefield	H	-			33
	L	214	154	- 274	134
Manchester	H	342	110	- 574	15
	L	258	150	- 366	55
Newcastle	H	-			26
	L	265	154	- 376	123
Papworth	H	464	264	- 664	49
	L	203	120	- 286	87
TOTAL	H	569			171
	L	232	194	- 270	438

<sup>1</sup> Adult registration is a patient aged 16 years or older at time of registration onto the transplant list

- Summary statistics not estimated

There were 179 adult registrations on the urgent heart transplant list in 1 April 2010 - 31 March 2012.

The median waiting time to heart/lung block transplant in this time period cannot be estimated due to the small number of transplants. Median waiting time to heart transplant also cannot be estimated for some centres. The 95% confidence interval for national median waiting time to heart transplant also cannot be calculated for this reason.

**Table 2.2b** Median waiting time of paediatrics registered on the active non-urgent transplant list, 1 April 2010 - 31 March 2012

The number of paediatric cardiothoracic registrations on the active cardiothoracic transplant list during this time period was too small to present meaningful summary statistics regarding patient waiting time.

**Table 2.3a Age, height and weight of adults on the active transplant list, 31 March 2013**

Centre		Age (years)			Height (cm)		Weight (kg)		Total patients
		Median	IQ-range		Mean	s.d	Mean	s.d	
Birmingham	H	51.0	45.0	56.0	176.3	8.6	80.3	11.0	19
	L	50.5	35.5	59.0	163.9	9.0	59.4	10.0	20
Glasgow	H	-	-	-	-	-	-	-	8
Great Ormond Street	H	-	-	-	-	-	-	-	2
	L	-	-	-	-	-	-	-	2
Harefield	H	51.0	42.0	61.0	175.2	6.5	81.5	13.5	53
	L	42.5	27.0	53.5	163.0	8.2	61.4	13.6	68
	HL	-	-	-	-	-	-	-	2
Manchester	H	55.0	45.0	57.0	170.7	5.7	80.3	10.9	15
	L	58.0	48.0	62.0	164.7	9.1	66.5	11.9	39
Newcastle	H	47.0	40.0	57.0	173.2	9.0	81.1	15.1	41
	L	45.0	30.0	55.0	164.7	9.5	63.8	13.9	55
	HL	-	-	-	-	-	-	-	2
Papworth	H	51.5	44.5	59.0	176.9	8.4	79.1	14.7	48
	L	52.0	31.0	59.0	166.7	8.6	64.9	16.4	29
	HL	46.0	22.0	51.0	156.7	6.7	51.7	10.8	10
<b>TOTAL</b>	<b>H</b>	<b>51.0</b>	<b>42.0</b>	<b>59.0</b>	<b>175.0</b>	<b>8.1</b>	<b>80.5</b>	<b>13.9</b>	<b>186</b>
	<b>L</b>	<b>48.0</b>	<b>30.0</b>	<b>58.0</b>	<b>164.2</b>	<b>8.9</b>	<b>63.1</b>	<b>13.7</b>	<b>213</b>
	<b>HL</b>	<b>41.5</b>	<b>25.0</b>	<b>49.0</b>	<b>159.9</b>	<b>9.3</b>	<b>52.9</b>	<b>11.5</b>	<b>14</b>

- Summary statistics not estimated due to small numbers of patients

**Table 2.3b Age, height and weight of paediatrics on the active transplant list, 31 March 2013**

The number of paediatric cardiothoracic patients on the active cardiothoracic transplant list as at 31 March 2013 was too small to present meaningful summary statistics regarding patient age, height and weight.

**Table 2.4a Blood group of adults on the active transplant list, 31 March 2013**

		Blood group								Total patients
		O		A		B		AB		
		N	%	N	%	N	%	N	%	
Birmingham	H	11	58	6	32	2	11	0	0	19
	L	13	65	4	20	3	15	0	0	20
Glasgow	H	6	75	2	25	0	0	0	0	8
Great Ormond Street	H	1	50	1	50	0	0	0	0	2
	L	2	100	0	0	0	0	0	0	2
Harefield	H	32	60	18	34	3	6	0	0	53
	L	42	62	19	28	5	7	2	3	68
	HL	1	50	0	0	1	50	0	0	2
	H	8	53	6	40	1	7	0	0	15
Manchester	L	23	59	13	33	3	8	0	0	39
	H	19	46	17	41	4	10	1	2	41
Newcastle	L	36	65	14	25	4	7	1	2	55
	HL	2	100	0	0	0	0	0	0	2
Papworth	H	30	63	13	27	2	4	3	6	48
	L	17	59	8	28	3	10	1	3	29
	HL	5	50	4	40	1	10	0	0	10
	L	1	50	0	0	1	50	0	0	2
TOTAL	H	107	58	63	34	12	6	4	2	186
	L	133	62	58	27	18	8	4	2	213
	HL	8	57	4	29	2	14	0	0	14

**Table 2.4b Blood group of paediatrics on the active transplant list, 31 March 2013**

Centre		Blood group				Total patients
		O	A	B	AB	
		N	N	N	N	
Great Ormond Street	H	3	4	2	1	10
	L	5	5	1	0	11
	HL	2	0	0	0	2
Newcastle	H	3	1	0	0	4
	L	1	1	0	0	2
TOTAL	H	6	5	2	1	14
	L	6	6	1	0	13
	HL	2	0	0	0	2

**Table 2.5a Ethnic origin of adults on the active transplant list, 31 March 2013**

Centre		White		Ethnic Origin Asian		Black		Other		Total patients
		N	%	N	%	N	%	N	%	
Birmingham	H	17	89	1	5	0	0	1	5	19
	L	19	95	0	0	1	5	0	0	20
Glasgow	H	8	100	0	0	0	0	0	0	8
Great Ormond Street	H	2	100	0	0	0	0	0	0	2
	L	2	100	0	0	0	0	0	0	2
Harefield	H	44	83	3	6	4	8	2	4	53
	L	62	91	5	7	1	1	0	0	68
	HL	1	50	1	50	0	0	0	0	2
Manchester	H	12	80	2	13	0	0	1	7	15
	L	39	100	0	0	0	0	0	0	39
Newcastle	H	40	98	0	0	0	0	1	2	41
	L	54	98	0	0	0	0	1	2	55
	HL	2	100	0	0	0	0	0	0	2
Papworth	H	40	83	6	13	1	2	1	2	48
	L	28	97	1	3	0	0	0	0	29
	HL	9	90	1	10	0	0	0	0	10
<b>TOTAL</b>	<b>H</b>	<b>163</b>	<b>88</b>	<b>12</b>	<b>6</b>	<b>5</b>	<b>3</b>	<b>6</b>	<b>3</b>	<b>186</b>
	<b>L</b>	<b>204</b>	<b>96</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>213</b>
	<b>HL</b>	<b>12</b>	<b>86</b>	<b>2</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>

**Table 2.5b Ethnic origin of paediatrics on the active transplant list, 31 March 2013**

Centre		White		Ethnic Origin Asian		Black		Other		Total patients
		N		N		N		N		
Great Ormond Street	H	8		2		0		0		10
	L	10		1		0		0		11
	HL	2		0		0		0		2
Newcastle	H	2		0		1		1		4
	L	2		0		0		0		2
<b>TOTAL</b>	<b>H</b>	<b>10</b>		<b>2</b>		<b>1</b>		<b>1</b>		<b>14</b>
	<b>L</b>	<b>12</b>		<b>1</b>		<b>0</b>		<b>0</b>		<b>13</b>
	<b>HL</b>	<b>2</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>2</b>

**Table 2.6a Gender of adults on the active transplant list, 31 March 2013**

		Gender				Total patients
		Male		Female		
Centre		N	%	N	%	
Birmingham	H	18	95	1	5	19
	L	7	35	13	65	20
Glasgow	H	6	75	2	25	8
Great Ormond Street	H	2	100	0	0	2
	L	0	0	2	100	2
Harefield	H	50	94	3	6	53
	L	22	32	46	68	68
	HL	0	0	2	100	2
Manchester	H	14	93	1	7	15
	L	15	38	24	62	39
Newcastle	H	30	73	11	27	41
	L	26	47	29	53	55
	HL	1	50	1	50	2
Papworth	H	39	81	9	19	48
	L	12	41	17	59	29
	HL	0	0	10	100	10
Dublin	L	1	50	1	50	2
TOTAL	H	159	85	27	15	186
	L	82	38	131	62	213
	HL	1	7	13	93	14

**Table 2.6b Gender of paediatrics on the active transplant list, 31 March 2013**

		Gender		Total patients
		Male	Female	
Centre		N	N	
Great Ormond Street	H	4	6	10
	L	5	6	11
	HL	1	1	2
Newcastle	H	4	0	4
	L	0	2	2
TOTAL	H	8	6	14
	L	5	8	13
	HL	1	1	2

**Table 2.7a Primary disease of adults on the active transplant list, 31 March 2013**

Centre		Cardiomyopathy		Coronary Heart Disease		Cystic Fibrosis		Primary disease Fibrosing Lung Disease		COPD <sup>1</sup>		Other		Un-known		Total patients
		N	%	N	%	N	%	N	%	N	%	N	%	N	%	
Birmingham	H	11	73	4	27	0	0	0	0	0	0	4	0	0	0	19
	L	0	0	0	0	5	38	6	46	2	15	7	0	0	0	20
Glasgow	H	5	71	2	29	0	0	0	0	0	0	1	0	0	0	8
Great Ormond Street	H	1	100	0	0	0	0	0	0	0	0	1	0	0	0	2
	L	0	0	0	0	1	100	0	0	0	0	1	0	0	0	2
Harefield	H	38	78	11	22	0	0	0	0	0	0	2	0	2	0	53
	L	0	0	0	0	25	56	9	20	11	24	22	0	1	0	68
	HL	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
Manchester	H	9	69	4	31	0	0	0	0	0	0	2	0	0	0	15
	L	0	0	0	0	5	17	13	43	12	40	9	0	0	0	39
Newcastle	H	20	57	15	43	0	0	0	0	0	0	6	0	0	0	41
	L	0	0	0	0	25	52	13	27	10	21	7	0	0	0	55
	HL	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
Papworth	H	29	76	9	24	0	0	0	0	0	0	10	0	0	0	48
	L	0	0	0	0	10	48	7	33	4	19	8	0	0	0	29
	HL	1	33	0	0	2	67	0	0	0	0	7	0	0	0	10
<b>TOTAL</b>	<b>H</b>	<b>113</b>	<b>72</b>	<b>45</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>186</b>
	<b>L</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>71</b>	<b>45</b>	<b>48</b>	<b>30</b>	<b>39</b>	<b>25</b>	<b>54</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>213</b>
	<b>HL</b>	<b>1</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>67</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>

<sup>1</sup> Includes primary disease reported as emphysema, Chronic Obstructive Pulmonary Disease (COPD) or Chronic Obstructive Airway (COAD)

**Table 2.7b Primary disease of paediatrics on the active transplant list, 31 March 2013**

Centre		Cardiomyopathy		Coronary Heart Disease		Cystic Fibrosis		Primary disease Fibrosing Lung Disease		COPD		Other		Total patients
		N		N		N		N		N		N		
Great Ormond Street	H	4		0		0		0		0		6		10
	L	1		0		5		0		0		5		11
	HL	0		0		1		0		0		1		2
Newcastle	H	1		0		0		0		0		3		4
	L	0		0		2		0		0		0		2
<b>TOTAL</b>	<b>H</b>	<b>5</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>0</b>		<b>9</b>		<b>14</b>
	<b>L</b>	<b>1</b>		<b>0</b>		<b>7</b>		<b>0</b>		<b>0</b>		<b>5</b>		<b>13</b>
	<b>HL</b>	<b>0</b>		<b>0</b>		<b>1</b>		<b>0</b>		<b>0</b>		<b>1</b>		<b>2</b>



**Table 2.8a** Number of previous cardiothoracic transplants of adults on the active transplant list, 31 March 2013

Table 2.8a      Number of previous cardiothoracic transplants of adults on the active transplant list, 31 March 2013						
		Number of previous cardiothoracic transplants				Total patients
		0		1		
Centre		N	%	N	%	
Birmingham	H	19	100	0	0	19
	L	20	100	0	0	20
Glasgow	H	8	100	0	0	8
Great Ormond Street	H	2	100	0	0	2
	L	2	100	0	0	2
Harefield	H	53	100	0	0	53
	L	66	97	2	3	68
	HL	2	100	0	0	2
Manchester	H	14	93	1	7	15
	L	39	100	0	0	39
Newcastle	H	41	100	0	0	41
	L	54	98	1	2	55
	HL	2	100	0	0	2
Papworth	H	47	98	1	2	48
	L	29	100	0	0	29
	HL	10	100	0	0	10
Dublin	L	2	100	0	0	2
TOTAL	H	184	99	2	1	186
	L	210	99	3	1	213
	HL	14	100	0	0	14

**Table 2.8** Number of previous cardiothoracic transplants of paediatrics on the active transplant list, 31 March 2013

All paediatrics on the active cardiothoracic transplant list were registered for their first transplant.

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Centre		No. on active and suspended list (as at 1 April 2012)	New registrations (1 April 2012 – 31 March 2012)	TOTAL	Registration outcome (as at 31 March 2013)							
					Active/ Suspended		Transplanted		Removed		Died	
					N	%	N	%	N	%	N	%
Birmingham	H	9	35	44	21	48	19	43	2	5	2	5
	L	18	24	42	20	48	13	31	3	7	6	14
	HL	2	2	4	0	0	1	25	3	75	0	0
Glasgow	H	9	16	25	9	36	9	36	6	24	1	4
Great Ormond Street	H	1	3	4	3	75	1	25	0	0	0	0
Harefield	H	43	46	89	53	60	21	24	8	9	7	8
	L	61	71	132	68	52	46	35	8	6	10	8
	HL	2	0	2	2	100	0	0	0	0	0	0
Manchester	H	17	30	47	16	34	22	47	8	17	1	2
	L	24	50	74	40	54	25	34	2	3	7	9
Newcastle	H	34	48	82	42	51	22	27	6	7	12	15
	L	72	51	123	53	43	53	43	1	1	16	13
	HL	3	0	3	2	67	1	33	0	0	0	0
Papworth	H	45	43	88	47	53	26	30	10	11	5	6
	L	23	49	72	29	40	35	49	5	7	3	4
	HL	5	8	13	10	77	3	23	0	0	0	0
TOTAL	H	158	221	379	191	50	120	32	40	11	28	7
	L	198	245	443	210	47	172	39	19	4	42	9
	HL	12	10	22	14	64	5	23	3	14	0	0

<sup>1</sup> Adult registration is a patient aged 16 years or older at time of registration onto the transplant list

**Table 2.9b**      **Registration outcome of paediatric patients<sup>1</sup> on the transplant list, 1 April 2012 - 31 March 2013**

		No. on active and suspended list (as at 1 April 2012)	New registrations (1 April 2012 – 31 March 2013)	TOTAL	Registration outcome (as at 31 March 2013)			
					Active/Suspended	Transplanted	Removed	Died
Centre					N	N	N	N
Birmingham	L	0	1	1	0	0	0	1
Glasgow	H	0	1	1	0	1	0	0
Great Ormond Street	H	11	18	29	11	9	2	7
	L	12	4	16	12	2	0	2
	HL	3	0	3	2	0	0	1
Newcastle	H	4	19	23	4	13	1	5
	L	2	2	4	3	1	0	0
TOTAL	H	15	38	53	15	23	3	12
	L	14	7	21	15	3	0	3
	HL	3	0	3	2	0	0	1

<sup>1</sup> Paediatric registration is a patient aged under 16 years at time of registration onto the transplant list

## TRANSPLANTS

**Table 3.1 Cardiothoracic transplants, 1 April 2012 - 31 March 2013 (1 April 2011 - 31 March 2012)**

Centre	Heart		Organ transplanted Lung		Heart/lung		Total transplants
	Adult	Paed.	Adult	Paed.	Adult	Paed.	
Birmingham	20 (22)	0 (0)	16 (15)	0 (0)	0 (0)	0 (0)	<b>36 (37)</b>
Glasgow	9 (9)	1 (0)	0 (0)	0 (0)	0 (0)	0 (0)	<b>10 (9)</b>
Great Ormond Street	1 (1)	9 (18)	1 (1)	2 (3)	0 (0)	0 (0)	<b>13 (23)</b>
Harefield	21 (9)	0 (0)	48 (51)	0 (0)	0 (0)	0 (0)	<b>69 (60)</b>
Manchester	22 (18)	0 (0)	26 (26)	0 (0)	0 (0)	0 (0)	<b>48 (44)</b>
Newcastle	22 (17)	14 (15)	58 (45)	1 (1)	1 (0)	0 (0)	<b>96 (78)</b>
Papworth	26 (32)	0 (0)	36 (33)	0 (0)	2 (5)	0 (0)	<b>64 (70)</b>
Dublin	1 (2)	0 (0)	0 (4)	0 (0)	0 (0)	0 (0)	<b>1 (6)</b>
<b>TOTAL</b>	<b>122(110)</b>	<b>24 (33)</b>	<b>185(175)</b>	<b>3 (4)</b>	<b>3 (5)</b>	<b>0 (0)</b>	<b>337 (327)</b>

**Table 3.2 Urgency status of heart transplants, 1 April 2012 - 31 March 2013**

Centre	Urgency status				Total transplants
	Urgent		Non-urgent		
	Adult	Paed.	Adult	Paed.	
Birmingham	12	0	8	0	20
Glasgow	5	1	4	0	10
Great Ormond Street	1	8	0	1	10
Harefield	14	0	7	0	21
Manchester	14	0	8	0	22
Newcastle	20	13	2	1	36
Papworth	15	0	11	0	26
Dublin	0	0	1	0	1
TOTAL	81	22	41	2	146

**Table 3.3a Adult recipient transplant number, 1 April 2012 - 31 March 2013**

		Cardiothoracic transplant number				Total transplants
		First transplant		Re-transplant		
Centre		N	%	N	%	
Birmingham	H	19	95	1	5	20
	L	16	100	0	0	16
Glasgow	H	9	100	0	0	9
Great Ormond Street	H	1	100	0	0	1
	L	0	0	1	100	1
Harefield	H	21	100	0	0	21
	L	48	100	0	0	48
Manchester	H	22	100	0	0	22
	L	26	100	0	0	26
Newcastle	H	22	100	0	0	22
	L	57	98	1	2	58
	HL	1	100	0	0	1
Papworth	H	26	100	0	0	26
	L	36	100	0	0	36
	HL	1	50	1	50	2
Dublin	H	1	100	0	0	1
TOTAL	H	121	99	1	1	122
	L	183	99	2	1	185
	HL	2	67	1	33	3

**Table 3.3b Paediatric recipient transplant number, 1 April 2012 – 31 March 2013**

All 27 paediatric cardiothoracic transplants were first transplants.

**Table 3.4a Donor type of adult transplants, 1 April 2012 - 31 March 2013**

		Donor type				Total transplants
		DBD		DCD		
Centre		N	%	N	%	
Birmingham	H	20	100	0	0	20
	L	15	94	1	6	16
Glasgow	H	9	100	0	0	9
Great Ormond Street	H	1	100	0	0	1
	L	1	100	0	0	1
Harefield	H	21	100	0	0	21
	L	34	71	14	29	48
Manchester	H	22	100	0	0	22
	L	24	92	2	8	26
Newcastle	H	22	100	0	0	22
	L	46	79	12	21	58
	HL	1	100	0	0	1
Papworth	H	26	100	0	0	26
	L	31	86	5	14	36
	HL	2	100	0	0	2
Dublin	H	1	100	0	0	1
TOTAL	H	122	100	0	0	122
	L	151	82	34	18	185
	HL	3	100	0	0	3

DBD=Donors after brain death

DCD=Donors after circulatory death

There were no living donor transplants in this time period

**Table 3.4b Donor type of paediatric transplants, 1 April 2012 - 31 March 2013**

All 27 paediatric cardiothoracic transplants were from donors after brain death (DBD).

**Table 3.5a Adult recipient age, height and weight, 1 April 2012 - 31 March 2013**

Centre		Age (years)			Height (cm)		Weight (kg)		Total transplants
		Median	IQ-range		Mean	s.d	Mean	s.d	
Birmingham	H	51.5	38.0	53.5	173.4	8.4	77.8	15.2	20
	L	56.5	48.5	60.0	171.4	12.8	70.6	18.3	16
Glasgow	H	-	-	-	-	-	-	-	9
Great Ormond Street	H	-	-	-	-	-	-	-	1
	L	-	-	-	-	-	-	-	1
Harefield	H	42.0	27.0	47.0	171.5	8.2	74.5	15.5	21
	L	44.5	28.0	55.0	166.3	7.5	62.2	13.7	48
Manchester	H	54.0	48.0	61.0	175.6	8.2	82.2	15.0	22
	L	55.5	51.0	59.0	171.2	11.3	76.0	18.5	26
Newcastle	H	29.5	23.0	52.0	171.1	9.6	67.1	13.4	22
	L	49.0	32.0	58.0	168.9	8.3	67.8	13.0	58
	HL	-	-	-	-	-	-	-	1
Papworth	H	48.5	37.0	54.0	173.2	9.1	75.3	14.9	26
	L	55.5	45.0	61.5	167.5	9.0	65.7	14.9	36
	HL	-	-	-	-	-	-	-	2
Dublin	H	-	-	-	-	-	-	-	1
<b>TOTAL</b>	<b>H</b>	<b>48.0</b>	<b>29.0</b>	<b>56.0</b>	<b>172.8</b>	<b>8.8</b>	<b>74.9</b>	<b>15.2</b>	<b>122</b>
	<b>L</b>	<b>53.0</b>	<b>33.0</b>	<b>58.0</b>	<b>168.5</b>	<b>9.2</b>	<b>67.3</b>	<b>15.3</b>	<b>185</b>
	<b>HL</b>	<b>36.0</b>	<b>36.0</b>	<b>44.0</b>	<b>154.0</b>	<b>1.7</b>	<b>52.5</b>	<b>8.4</b>	<b>3</b>

- Summary statistics cannot be estimated due to small numbers of patients

**Table 3.5b Paediatric recipient age, height and weight, 1 April 2012 - 31 March 2013**

The annual number of paediatric cardiothoracic transplants was too small to present meaningful summary statistics regarding patient age, height and weight.

**Table 3.6a Adult recipient blood group, 1 April 2012 - 31 March 2013**

		Blood group								Total transplants
		O		A		B		AB		
Centre		N	%	N	%	N	%	N	%	
Birmingham	H	4	20	7	35	4	20	5	25	20
	L	7	44	7	44	1	6	1	6	16
Glasgow	H	2	22	5	56	2	22	0	0	9
Great Ormond Street	H	1	100	0	0	0	0	0	0	1
	L	0	0	1	100	0	0	0	0	1
Harefield	H	5	24	13	62	1	5	2	10	21
	L	12	25	29	60	6	13	1	2	48
Manchester	H	9	41	11	50	1	5	1	5	22
	L	9	35	13	50	3	12	1	4	26
Newcastle	H	8	36	12	55	2	9	0	0	22
	L	27	47	24	41	7	12	0	0	58
Papworth	HL	0	0	1	100	0	0	0	0	1
	H	9	35	13	50	3	12	1	4	26
	L	18	50	15	42	3	8	0	0	36
	HL	0	0	0	0	2	100	0	0	2
Dublin	H	1	100	0	0	0	0	0	0	1
TOTAL	H	39	32	61	50	13	11	9	7	122
	L	73	39	89	48	20	11	3	2	185
	HL	0	0	1	33	2	67	0	0	3

**Table 3.6b Paediatric recipient blood group, 1 April 2012 - 31 March 2013**

Centre		Blood group				Total transplants
		O	A	B	AB	
		N	N	N	N	
Glasgow	H	0	0	1	0	1
Great Ormond Street	H	2	3	3	1	9
	L	0	2	0	0	2
Newcastle	H	7	4	2	1	14
	L	1	0	0	0	1
	H	9	7	6	2	24
	L	1	2	0	0	3



**Table 3.7a Adult recipient ethnic origin, 1 April 2012 - 31 March 2013**

		Ethnic Origin								Total transplants
		White		Asian		Black		Other		
Centre		N	%	N	%	N	%	N	%	
Birmingham	H	16	80	4	20	0	0	0	0	20
	L	16	100	0	0	0	0	0	0	16
Glasgow	H	9	100	0	0	0	0	0	0	9
Great Ormond Street	H	1	100	0	0	0	0	0	0	1
	L	1	100	0	0	0	0	0	0	1
Harefield	H	19	90	2	10	0	0	0	0	21
	L	46	96	0	0	2	4	0	0	48
Manchester	H	20	91	1	5	1	5	0	0	22
	L	25	96	1	4	0	0	0	0	26
Newcastle	H	22	100	0	0	0	0	0	0	22
	L	57	98	1	2	0	0	0	0	58
	HL	1	100	0	0	0	0	0	0	1
Papworth	H	21	81	3	12	0	0	2	8	26
	L	36	100	0	0	0	0	0	0	36
	HL	0	0	2	100	0	0	0	0	2
Dublin	H	1	100	0	0	0	0	0	0	1
TOTAL	H	109	89	10	8	1	1	2	2	122
	L	181	98	2	1	2	1	0	0	185
	HL	1	33	2	67	0	0	0	0	3

**Table 3.7b Paediatric recipient ethnic origin, 1 April 2012 - 31 March 2013**

		Ethnic Origin				Total transplants
		White	Asian	Black	Other	
Centre		N	N	N	N	
Glasgow	H	0	1	0	0	1
Great Ormond Street	H	6	1	0	2	9
	L	2	0	0	0	2
Newcastle	H	12	1	1	0	14
	L	1	0	0	0	1
	<b>H</b>	<b>18</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>24</b>
	<b>L</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>

**Table 3.8a Adult recipient gender, 1 April 2012 - 31 March 2013**

		Gender				
		Male		Female		
Centre		N	%	N	%	Total transplants
Birmingham	H	19	95	1	5	20
	L	11	69	5	31	16
Glasgow	H	6	67	3	33	9
Great Ormond Street	H	1	100	0	0	1
	L	1	100	0	0	1
Harefield	H	15	71	6	29	21
	L	23	48	25	52	48
Manchester	H	20	91	2	9	22
	L	16	62	10	38	26
Newcastle	H	17	77	5	23	22
	L	31	53	27	47	58
	HL	0	0	1	100	1
Papworth	H	21	81	5	19	26
	L	18	50	18	50	36
	HL	0	0	2	100	2
Dublin	H	0	0	1	100	1
TOTAL	H	99	81	23	19	122
	L	100	54	85	46	185
	HL	0	0	3	100	3

**Table 3.8b Paediatric recipient gender, 1 April 2012 - 31 March 2013**

		Gender		Total transplants
		Male	Female	
Centre		N	N	
Glasgow	H	1	0	1
Great Ormond Street	H	6	3	9
	L	1	1	2
Newcastle	H	7	7	14
	L	1	0	1
	<b>H</b>	<b>14</b>	<b>10</b>	<b>24</b>
	<b>L</b>	<b>2</b>	<b>1</b>	<b>3</b>

**Table 3.9a Adult recipient primary disease, 1 April 2012 - 31 March 2013**

		Primary disease														Total transplants
		Cardiomyo- pathy		Coronary Heart Disease		Cystic Fibrosis		Fibrosing Lung Disease		COPD <sup>1</sup>		Other		Un- known		
Centre		N	%	N	%	N	%	N	%	N	%	N	%	N	%	
Birmingham	H	18	90	2	10	0	0	0	0	0	0	0	0	0	0	20
	L	0	0	0	0	1	9	6	55	4	36	5	0	0	0	16
Glasgow	H	6	100	0	0	0	0	0	0	0	0	3	0	0	0	9
Great Ormond Street	H	1	100	0	0	0	0	0	0	0	0	0	0	0	0	1
	L	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Harefield	H	16	89	2	11	0	0	0	0	0	0	3	0	0	0	21
	L	0	0	0	0	22	56	3	8	14	36	8	0	1	0	48
Manchester	H	16	84	3	16	0	0	0	0	0	0	3	0	0	0	22
	L	0	0	0	0	1	5	9	47	9	47	5	0	2	0	26
Newcastle	H	9	82	2	18	0	0	0	0	0	0	11	0	0	0	22
	L	0	0	0	0	18	38	6	13	23	49	11	0	0	0	58
Papworth	HL	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	H	17	74	6	26	0	0	0	0	0	0	3	0	0	0	26
	L	0	0	0	0	8	29	8	29	12	43	8	0	0	0	36
Dublin	HL	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
	H	1	100	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL	H	84	85	15	15	0	0	0	0	0	0	23	0	0	0	122
	L	0	0	0	0	50	35	32	22	62	43	38	0	3	0	185
	HL	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3

<sup>1</sup> Includes primary disease reported as emphysema, Chronic Obstructive Pulmonary Disease (COPD) or Chronic Obstructive Airway Disease (COAD)

**Table 3.9b Paediatric recipient primary disease, 1 April 2012 - 31 March 2013**

Centre		Primary disease					Other	Total transplants
		Cardiomyopathy	Coronary Heart Disease	Cystic Fibrosis	Fibrosing Lung Disease	COPD		
		N	N	N	N	N	N	
Glasgow	H	0	0	0	0	0	1	<b>1</b>
Great Ormond Street	H	5	0	0	0	0	4	<b>9</b>
	L	0	0	1	0	0	1	<b>2</b>
Newcastle	H	6	0	0	0	0	8	<b>14</b>
	L	0	0	1	0	0	0	<b>1</b>
	<b>H</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>24</b>
	<b>L</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>

**Table 3.10a Ischaemic time for adult transplants, 1 April 2012 - 31 March 2013**

Centre		Ischaemic time (hours)		Total transplants <sup>1</sup>
		Median	Interquartile range	
Birmingham	H	3.0	2.2 - 3.5	11
	L	4.2	3.3 - 5.9	16
Glasgow	H	-	-	7
Great Ormond Street	H	-	-	0
Harefield	H	3.1	2.7 - 3.6	18
	L	5.4	4.6 - 7.1	40
Manchester	H	3.6	2.9 - 4.3	21
	L	4.7	4.2 - 5.7	23
Newcastle	H	3.2	2.5 - 3.7	21
	L	5.9	5.2 - 6.8	48
	HL	-	3.0 - 3.0	1
Papworth	H	2.6	2.2 - 2.9	26
	L	4.1	3.7 - 4.9	34
	HL	-	2.6 - 3.9	2
Dublin	H	-	-	0
<b>TOTAL</b>	<b>H</b>	<b>3.0</b>	<b>2.5 - 3.7</b>	<b>104</b>
	<b>L</b>	<b>5.1</b>	<b>4.2 - 6.3</b>	<b>161</b>
	<b>HL</b>	<b>3.0</b>	<b>2.6 - 3.9</b>	<b>3</b>

<sup>1</sup> 42 transplants (18 heart, 24 lung) with missing ischaemic times have been excluded.

- Summary statistics not estimated due to small numbers of patients

**Table 3.10b Ischaemic time for paediatric transplants, 1 April 2012 - 31 March 2013**

The annual number of paediatric cardiothoracic transplants was too small to present meaningful summary statistics regarding ischaemic time.