

**NHS BLOOD AND TRANSPLANT**

**CARDIOTHORACIC ACTIVITY REPORT**

**1 APRIL 2013 – 31 MARCH 2014**

**September 2014**

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## **CARDIOTHORACIC ACTIVITY REPORT**

### **1 APRIL 2013 – 31 MARCH 2014**

#### **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 350 (330 adult, 20 paediatric) donors from the UK and RoI have been considered for the period 1 April 2013 to 31 March 2014. 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 533 (491 adult, 42 paediatric) patients registered on the active transplant list in the UK have been considered as at 31 March 2014. Transplant list data for Dublin are unavailable. Table 2.2a presents the median waiting time for 955 adult registrations for a non-urgent transplant between 1 April 2010 and 31 March 2013. 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 2014 of 445 (413 adult, 32 paediatric) patients already waiting on the transplant list at 1 April 2013 and those 667 (597 adult, 70 paediatric) patients who were registered during the financial year between 1 April 2013 and 31 March 2014.

#### **TRANSPLANTS**

Data on 416 (382 adult, 34 paediatric) transplants in the UK and RoI have been considered for the period 1 April 2013 to 31 March 2014. Data for non-urgent and urgent heart transplants are included unless otherwise specified. During this period, there were 35 deceased donor after circulatory death (DCD) adult and paediatric lung transplants. There was also one deceased donor after circulatory death (DCD) paediatric heart transplant. There were no living donor transplants performed.

**DONORS****Table 1.1 Cardiothoracic donors, 1 April 2013 - 31 March 2014 (1 April 2012 – 31 March 2013)**

Donation zone	Heart		Organ type of donor Lung		Heart and lung		Total donors
	Adult	Paed.	Adult	Paed.	Adult	Paed.	
Birmingham	13 (17)	1 (4)	22 (22)	0 (1)	10 (8)	0 (0)	<b>46 (52)</b>
Glasgow	8 (9)	0 (0)	18 (17)	0 (0)	8 (2)	0 (1)	<b>34 (29)</b>
Harefield	22 (10)	0 (3)	33 (26)	1 (0)	23 (11)	0 (0)	<b>79 (50)</b>
Manchester	14 (9)	1 (1)	16 (21)	0 (0)	9 (4)	0 (0)	<b>40 (35)</b>
Newcastle	16 (12)	1 (0)	25 (37)	1 (0)	17 (11)	4 (3)	<b>64 (63)</b>
Papworth	26 (20)	8 (1)	23 (31)	0 (0)	23 (18)	0 (0)	<b>80 (70)</b>
Dublin	4 (3)	2 (1)	0 (0)	0 (0)	0 (0)	1 (0)	<b>7 (4)</b>
<b>TOTAL</b>	<b>103 (80)</b>	<b>13 (10)</b>	<b>137 (154)</b>	<b>2 (1)</b>	<b>90 (54)</b>	<b>5 (4)</b>	<b>350 (303)</b>

**Table 1.2a Adult donor age, height and weight, 1 April 2013 - 31 March 2014**

Donation zone		Age (years)			Height (cm)		Weight (kg)		Total donors
		Median	IQ	range	Mean	s.d	Mean	s.d	
Birmingham	H	43.0	36.0	51.0	174.8	8.0	79.6	25.2	<b>13</b>
	L	51.0	39.0	55.0	166.7	9.2	76.0	11.7	<b>22</b>
	HL	37.0	32.0	42.0	169.7	9.4	73.9	16.5	<b>10</b>
Glasgow	H	46.5	34.5	52.0	173.8	5.4	74.9	6.8	<b>8</b>
	L	44.5	36.0	55.0	167.9	10.4	78.3	22.6	<b>18</b>
	HL	32.0	24.5	50.0	169.5	11.2	78.9	15.7	<b>8</b>
Harefield	H	38.0	31.0	51.0	177.9	9.7	82.8	14.2	<b>22</b>
	L	50.0	40.0	56.0	171.5	9.2	78.3	17.4	<b>33</b>
	HL	42.0	34.0	50.0	174.5	8.2	78.5	15.1	<b>23</b>
Manchester	H	39.5	36.0	46.0	172.6	9.3	79.2	16.9	<b>14</b>
	L	50.0	41.0	59.0	167.4	11.3	71.4	14.1	<b>16</b>
	HL	42.0	30.0	44.0	176.2	10.4	76.3	14.1	<b>9</b>
Newcastle	H	45.5	33.0	54.5	172.7	8.6	79.2	18.0	<b>16</b>
	L	46.0	34.0	56.0	170.9	11.1	73.6	13.3	<b>25</b>
	HL	38.0	26.0	46.0	175.8	8.2	78.9	12.1	<b>17</b>
Papworth	H	33.0	22.0	48.0	176.1	8.2	80.3	16.4	<b>26</b>
	L	48.0	33.0	62.0	169.2	7.8	76.4	13.8	<b>23</b>
	HL	39.0	32.0	52.0	172.1	9.0	75.7	12.6	<b>23</b>
Dublin	H	30.5	24.0	39.0	180.8	4.2	78.3	5.4	<b>4</b>
<b>TOTAL</b>	<b>H</b>	<b>39.0</b>	<b>28.0</b>	<b>50.0</b>	<b>175.3</b>	<b>8.5</b>	<b>79.9</b>	<b>16.6</b>	<b>103</b>
	<b>L</b>	<b>49.0</b>	<b>39.0</b>	<b>57.0</b>	<b>169.3</b>	<b>9.8</b>	<b>75.9</b>	<b>15.7</b>	<b>137</b>
	<b>HL</b>	<b>39.0</b>	<b>28.0</b>	<b>47.0</b>	<b>173.3</b>	<b>9.1</b>	<b>77.1</b>	<b>13.8</b>	<b>90</b>

- Summary statistics not estimated due to small numbers of patients

**Table 1.2b Paediatric donor age, height and weight, 1 April 2013 - 31 March 2014**

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 2013 - 31 March 2014**

		Blood group								Total donors
		O		A		B		AB		
Donation zone		N	%	N	%	N	%	N	%	
Birmingham	H	6	46	6	46	1	8	0	0	13
	L	9	41	8	36	4	18	1	5	22
	HL	7	70	3	30	0	0	0	0	10
Glasgow	H	4	50	3	38	1	13	0	0	8
	L	7	39	7	39	3	17	1	6	18
	HL	1	13	5	63	2	25	0	0	8
Harefield	H	12	55	9	41	1	5	0	0	22
	L	15	45	13	39	5	15	0	0	33
	HL	10	43	12	52	1	4	0	0	23
Manchester	H	6	43	7	50	1	7	0	0	14
	L	8	50	5	31	3	19	0	0	16
	HL	6	67	3	33	0	0	0	0	9
Newcastle	H	4	25	8	50	4	25	0	0	16
	L	14	56	10	40	1	4	0	0	25
	HL	4	24	13	76	0	0	0	0	17
Papworth	H	15	58	9	35	2	8	0	0	26
	L	6	26	13	57	4	17	0	0	23
	HL	12	52	10	43	1	4	0	0	23
Dublin	H	0	0	3	75	1	25	0	0	4
TOTAL	H	47	46	45	44	11	11	0	0	103
	L	59	43	56	41	20	15	2	1	137
	HL	40	44	46	51	4	4	0	0	90

**Table 1.3b Paediatric donor blood group, 1 April 2013 - 31 March 2014**

		Blood group				Total donors
		O	A	B	AB	
Donation zone		N	N	N	N	
Birmingham	H	0	1	0	0	1
Harefield	L	0	1	0	0	1
Manchester	H	1	0	0	0	1
Newcastle	H	0	1	0	0	1
	L	1	0	0	0	1
	HL	3	1	0	0	4
Papworth	H	3	3	2	0	8
Dublin	H	2	0	0	0	2
	HL	0	1	0	0	1
<b>TOTAL</b>	<b>H</b>	<b>6</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>13</b>
	<b>L</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>
	<b>HL</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>5</b>

**Table 1.4a Adult donor ethnic origin, 1 April 2013 - 31 March 2014**

Donation zone		Ethnic Origin										Total donors
		White		Asian		Black		Other		Not reported		
		N	%	N	%	N	%	N	%	N	%	
Birmingham	H	12	92	0	0	1	8	0	0	0	0	13
	L	21	95	1	5	0	0	0	0	0	0	22
	HL	9	90	0	0	0	0	1	10	0	0	10
Glasgow	H	8	100	0	0	0	0	0	0	0	0	8
	L	17	94	0	0	0	0	0	0	1	6	18
	HL	8	100	0	0	0	0	0	0	0	0	8
Harefield	H	19	86	0	0	2	9	1	5	0	0	22
	L	29	88	2	6	1	3	1	3	0	0	33
	HL	21	91	1	4	0	0	1	4	0	0	23
Manchester	H	13	93	0	0	0	0	1	7	0	0	14
	L	15	94	0	0	0	0	1	6	0	0	16
	HL	9	100	0	0	0	0	0	0	0	0	9
Newcastle	H	15	94	0	0	0	0	1	6	0	0	16
	L	25	100	0	0	0	0	0	0	0	0	25
	HL	17	100	0	0	0	0	0	0	0	0	17
Papworth	H	25	96	0	0	1	4	0	0	0	0	26
	L	22	96	1	4	0	0	0	0	0	0	23
	HL	20	87	2	9	0	0	1	4	0	0	23
Dublin	H	4	100	0	0	0	0	0	0	0	0	4
TOTAL	H	96	93	0	0	4	4	3	3	0	0	103
	L	129	94	4	3	1	1	2	1	1	1	137
	HL	84	93	3	3	0	0	3	3	0	0	90

**Table 1.4b Paediatric donor ethnic origin, 1 April 2013 - 31 March 2014**

Donation zone		Ethnic Origin				Total donors
		White	Asian	Black	Other	
		N	N	N	N	
Birmingham	H	1	0	0	0	1
Harefield	L	1	0	0	0	1
Manchester	H	1	0	0	0	1
Newcastle	H	1	0	0	0	1
	L	1	0	0	0	1
	HL	4	0	0	0	4
Papworth	H	6	1	1	0	8
Dublin	H	2	0	0	0	2
	HL	1	0	0	0	1
<b>TOTAL</b>	<b>H</b>	<b>11</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>13</b>
	<b>L</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
	<b>HL</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>

**Table 1.5a Adult donor gender, 1 April 2013 - 31 March 2014**

		Gender				Total donors
		Male		Female		
Donation zone		N	%	N	%	
Birmingham	H	9	69	4	31	13
	L	6	27	16	73	22
	HL	4	40	6	60	10
Glasgow	H	4	50	4	50	8
	L	6	33	12	67	18
	HL	4	50	4	50	8
Harefield	H	15	68	7	32	22
	L	18	55	15	45	33
	HL	12	52	11	48	23
Manchester	H	8	57	6	43	14
	L	5	31	11	69	16
	HL	6	67	3	33	9
Newcastle	H	10	63	6	38	16
	L	12	48	13	52	25
	HL	13	76	4	24	17
Papworth	H	17	65	9	35	26
	L	10	43	13	57	23
	HL	12	52	11	48	23
Dublin	H	3	75	1	25	4
TOTAL	H	66	64	37	36	103
	L	57	42	80	58	137
	HL	51	57	39	43	90

**Table 1.5b Paediatric donor gender, 1 April 2013 - 31 March 2014**

		Gender		Total donors
		Male	Female	
Donation zone		N	N	
Birmingham	H	1	0	1
Harefield	L	1	0	1
Manchester	H	1	0	1
Newcastle	H	0	1	1
	L	1	0	1
	HL	3	1	4
Papworth	H	4	4	8
Dublin	H	1	1	2
	HL	1	0	1
<b>TOTAL</b>	<b>H</b>	<b>7</b>	<b>6</b>	<b>13</b>
	<b>L</b>	<b>2</b>	<b>0</b>	<b>2</b>
	<b>HL</b>	<b>4</b>	<b>1</b>	<b>5</b>



**Table 1.6a Adult donor cause of death, 1 April 2013 - 31 March 2014**

Donation zone		Cause of death										Total donors
		Live		CVA		RTA		Other trauma		Miscellaneous		
		N	%	N	%	N	%	N	%	N	%	
Birmingham	H	0	0	9	69	0	0	1	8	3	23	13
	L	0	0	18	82	1	5	1	5	2	9	22
	HL	0	0	6	60	0	0	1	10	3	30	10
Glasgow	H	0	0	4	50	3	38	1	13	0	0	8
	L	0	0	16	89	0	0	0	0	2	11	18
	HL	0	0	6	75	0	0	1	13	1	13	8
Harefield	H	0	0	12	55	1	5	2	9	7	32	22
	L	0	0	23	70	0	0	0	0	10	30	33
	HL	0	0	14	61	0	0	3	13	6	26	23
Manchester	H	0	0	8	57	1	7	1	7	4	29	14
	L	0	0	16	100	0	0	0	0	0	0	16
	HL	0	0	5	56	0	0	1	11	3	33	9
Newcastle	H	0	0	10	63	1	6	3	19	2	13	16
	L	0	0	18	72	0	0	2	8	5	20	25
	HL	0	0	11	65	3	18	1	6	2	12	17
Papworth	H	0	0	16	62	1	4	4	15	5	19	26
	L	0	0	20	87	1	4	1	4	1	4	23
	HL	0	0	12	52	2	9	0	0	9	39	23
Dublin	H	0	0	1	25	1	25	1	25	1	25	4
TOTAL	H	0	0	60	58	8	8	13	13	22	21	103
	L	0	0	111	81	2	1	4	3	20	15	137
	HL	0	0	54	60	5	6	7	8	24	27	90

CVA = cerebrovascular accident, RTA = road traffic accident

**Table 1.6b Paediatric donor cause of death, 1 April 2013 - 31 March 2014**

Donation zone		Cause of death					Total donors
		Live	CVA	RTA	Other trauma	Miscellaneous	
		N	N	N	N	N	
Birmingham	H	0	0	0	0	1	1
Harefield	L	0	1	0	0	0	1
Manchester	H	0	0	0	0	1	1
Newcastle	H	0	0	0	1	0	1
	L	0	0	0	0	1	1
	HL	0	1	1	0	2	4
Papworth	H	0	2	1	0	5	8
Dublin	H	0	0	0	0	2	2
	HL	0	0	0	0	1	1
<b>TOTAL</b>	<b>H</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>13</b>
	<b>L</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>
	<b>HL</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>5</b>

CVA = cerebrovascular accident, RTA = road traffic accident

## TRANSPLANT LIST

**Table 2.1 Patients on the active cardiothoracic transplant list, 31 March 2014 (31 March 2013)**

Centre	Heart		Organ awaited Lung		Heart/lung		Total patients
	Adult	Paed.	Adult	Paed.	Adult	Paed.	
Birmingham	18 (19)	0 (0)	28 (20)	0 (0)	1 (0)	0 (0)	<b>47 (39)</b>
Glasgow	13 (8)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	<b>13 (8)</b>
Great Ormond Street	1 (2)	22 (10)	3 (2)	9 (11)	0 (0)	3 (2)	<b>38 (27)</b>
Harefield	69 (53)	0 (0)	81 (68)	0 (0)	2 (2)	0 (0)	<b>152 (123)</b>
Manchester	16 (15)	0 (0)	50 (39)	0 (0)	3 (0)	0 (0)	<b>69 (54)</b>
Newcastle	51 (41)	8 (4)	71 (55)	0 (2)	2 (2)	0 (0)	<b>132 (104)</b>
Papworth	48 (48)	0 (0)	30 (29)	0 (0)	4 (10)	0 (0)	<b>82 (87)</b>
<b>TOTAL</b>	<b>216 (186)</b>	<b>30 (14)</b>	<b>263 (213)</b>	<b>9 (13)</b>	<b>12 (14)</b>	<b>3 (2)</b>	<b>533 (442)</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 2013**  
(Excludes urgent heart registrations)

Centre		Active waiting time (days)				Total registrations
		Median waiting time estimate (days)	95% Confidence Interval			
Birmingham	H	140	9	-	271	43
	L	289	159	-	419	62
Glasgow	H	237	43	-	431	22
Great Ormond Street	H	-	-	-	-	3
	L	-	-	-	-	1
Harefield	H	-	-	-	-	55
	L	214	155	-	273	200
	HL	-	-	-	-	1
Manchester	H	344	41	-	647	28
	L	209	132	-	286	105
Newcastle	H	-	-	-	-	45
	L	261	201	-	321	172
	HL	-	-	-	-	4
Papworth	H	512	0	-	1038	64
	L	224	152	-	296	130
	HL	741	330	-	1152	20
TOTAL	H	1349	396	-	2302	260
	L	230	198	-	262	670
	HL	741	116	-	1366	25

<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 due to small numbers of events or patients

**Table 2.2b Median waiting time of paediatrics registered on the active non-urgent transplant list, 1 April 2010 - 31 March 2013**

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 2014**

Centre		Age (years)			Height (cm)		Weight (kg)		Total patients
		Median	IQ	range	Mean	s.d	Mean	s.d	
Birmingham	H	56.5	47.0	60.0	174.2	7.0	82.7	12.9	18
	L	51.5	39.5	59.5	165.1	8.8	64.9	13.1	28
	HL	27.0	27.0	27.0	173.0	0	63.0	0	1
Glasgow	H	54.0	49.0	56.0	172.8	8.9	82.6	13.7	13
Great Ormond Street	H	19.0	19.0	19.0	170.0	0	65.0	0	1
	L	17.0	16.0	17.0	152.7	4.0	39.7	4.0	3
Harefield	H	51.0	42.0	61.0	174.9	7.2	82.1	15.0	69
	L	47.0	32.0	56.0	163.7	9.3	61.7	14.6	81
	HL	41.0	40.0	42.0	177.5	17.7	71.7	34.4	2
Manchester	H	52.0	44.0	56.0	173.0	8.1	80.0	11.9	16
	L	53.5	45.0	59.0	165.5	10.8	66.6	12.7	50
	HL	42.0	34.0	47.0	167.3	6.5	55.2	3.9	3
Newcastle	H	47.0	37.0	57.0	171.2	19.0	82.2	20.9	51
	L	48.0	33.0	57.0	163.8	8.1	64.7	13.1	71
	HL	35.5	32.0	39.0	176.0	7.1	66.7	11.7	2
Papworth	H	53.0	43.0	60.0	176.7	9.1	78.7	14.6	48
	L	57.5	35.0	60.0	163.6	8.1	61.6	13.6	30
	HL	35.5	22.5	50.5	158.3	6.6	55.3	16.3	4
<b>TOTAL</b>	<b>H</b>	<b>51.0</b>	<b>41.5</b>	<b>59.0</b>	<b>174.1</b>	<b>11.6</b>	<b>81.2</b>	<b>16.0</b>	<b>216</b>
	<b>L</b>	<b>51.0</b>	<b>35.0</b>	<b>58.0</b>	<b>164.1</b>	<b>9.1</b>	<b>63.5</b>	<b>13.8</b>	<b>263</b>
	<b>HL</b>	<b>39.5</b>	<b>29.5</b>	<b>44.5</b>	<b>167.9</b>	<b>10.8</b>	<b>60.5</b>	<b>15.6</b>	<b>12</b>

**Table 2.3b Age, height and weight of adults on the active transplant list, 31 March 2014**

The number of paediatric cardiothoracic patients on the active cardiothoracic transplant list as at 31 March 2014 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 2014**

		Blood group								Total patients
		O		A		B		AB		
Centre		N	%	N	%	N	%	N	%	
Birmingham	H	9	50	7	39	2	11	0	0	18
	L	16	57	6	21	6	21	0	0	28
	HL	0	0	1	100	0	0	0	0	1
Glasgow	H	7	54	5	38	1	8	0	0	13
Great Ormond Street	H	1	100	0	0	0	0	0	0	1
	L	3	100	0	0	0	0	0	0	3
Harefield	H	36	52	28	41	5	7	0	0	69
	L	49	60	23	28	6	7	3	4	81
	HL	0	0	1	50	1	50	0	0	2
Manchester	H	9	56	3	19	4	25	0	0	16
	L	30	60	15	30	5	10	0	0	50
	HL	2	67	1	33	0	0	0	0	3
Newcastle	H	33	65	13	25	4	8	1	2	51
	L	52	73	15	21	4	6	0	0	71
	HL	2	100	0	0	0	0	0	0	2
Papworth	H	25	52	17	35	5	10	1	2	48
	L	21	70	7	23	1	3	1	3	30
	HL	3	75	0	0	1	25	0	0	4
TOTAL	H	120	56	73	34	21	10	2	1	216
	L	171	65	66	25	22	8	4	2	263
	HL	7	58	3	25	2	17	0	0	12

**Table 2.4b Blood group of paediatrics on the active transplant list, 31 March 2014**

		Blood group				Total patients
		O	A	B	AB	
Centre		N	N	N	N	
Great Ormond Street	H	10	8	4	0	22
	L	6	2	1	0	9
	HL	2	1	0	0	3
Newcastle	H	3	1	3	1	8
<b>TOTAL</b>	<b>H</b>	<b>13</b>	<b>9</b>	<b>7</b>	<b>1</b>	<b>30</b>
	<b>L</b>	<b>6</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>9</b>
	<b>HL</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>

**Table 2.5a Ethnic origin of adults on the active transplant list, 31 March 2014**

		Ethnic Origin												Total patients
		White		Asian		Black		Other		Not reported		Unknown		
		N	%	N	%	N	%	N	%	N	%	N	%	
Birmingham	H	14	78	3	17	0	0	1	6	0	0	0	0	18
	L	25	89	1	4	2	7	0	0	0	0	0	0	28
	HL	1	100	0	0	0	0	0	0	0	0	0	0	1
Glasgow	H	12	92	0	0	0	0	1	8	0	0	0	0	13
Great Ormond Street	H	1	100	0	0	0	0	0	0	0	0	0	0	1
	L	3	100	0	0	0	0	0	0	0	0	0	0	3
Harefield	H	59	86	2	3	5	7	2	3	1	1	0	0	69
	L	73	90	6	7	2	2	0	0	0	0	0	0	81
	HL	1	50	1	50	0	0	0	0	0	0	0	0	2
Manchester	H	14	88	1	6	1	6	0	0	0	0	0	0	16
	L	47	94	0	0	0	0	0	0	3	6	0	0	50
	HL	2	100	0	0	0	0	0	0	0	0	1	0	3
Newcastle	H	48	94	1	2	0	0	1	2	1	2	0	0	51
	L	70	99	0	0	0	0	1	1	0	0	0	0	71
	HL	2	100	0	0	0	0	0	0	0	0	0	0	2
Papworth	H	39	81	5	10	3	6	1	2	0	0	0	0	48
	L	28	93	2	7	0	0	0	0	0	0	0	0	30
	HL	3	75	1	25	0	0	0	0	0	0	0	0	4
TOTAL	H	187	87	12	6	9	4	6	3	2	1	0	0	216
	L	246	94	9	3	4	2	1	0	3	1	0	0	263
	HL	9	82	2	18	0	0	0	0	0	0	1	0	12

**Table 2.5b Ethnic origin of paediatrics on the active transplant list, 31 March 2014**

		Ethnic Origin						Total patients
		White	Asian	Black	Other	Not reported	Unknown	
Centre		N	N	N	N	N	N	
Great Ormond Street	H	17	3	1	1	0	0	22
	L	8	0	0	0	0	1	9
	HL	3	0	0	0	0	0	3
Newcastle	H	3	2	1	1	1	0	8
TOTAL	H	20	5	2	2	1	0	30
	L	8	0	0	0	0	1	9
	HL	3	0	0	0	0	0	3

**Table 2.6a Gender of adults on the active transplant list, 31 March 2014**

Centre		Male		Gender Female		Not reported		Total patients
		N	%	N	%	N	%	
Birmingham	H	16	89	2	11	0	0	18
	L	9	32	19	68	0	0	28
	HL	1	100	0	0	0	0	1
Glasgow	H	11	85	2	15	0	0	13
Great Ormond Street	H	1	100	0	0	0	0	1
	L	0	0	3	100	0	0	3
Harefield	H	59	86	10	14	0	0	69
	L	27	33	53	65	1	1	81
	HL	1	50	1	50	0	0	2
Manchester	H	13	81	3	19	0	0	16
	L	22	44	28	56	0	0	50
	HL	0	0	3	100	0	0	3
Newcastle	H	46	90	5	10	0	0	51
	L	25	35	45	63	1	1	71
	HL	1	50	1	50	0	0	2
Papworth	H	39	81	9	19	0	0	48
	L	11	37	19	63	0	0	30
	HL	0	0	4	100	0	0	4
<b>TOTAL</b>	<b>H</b>	<b>185</b>	<b>86</b>	<b>31</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>216</b>
	<b>L</b>	<b>94</b>	<b>36</b>	<b>167</b>	<b>63</b>	<b>2</b>	<b>1</b>	<b>263</b>
	<b>HL</b>	<b>3</b>	<b>25</b>	<b>9</b>	<b>75</b>	<b>0</b>	<b>0</b>	<b>12</b>

**Table 2.6b Gender of paediatrics on the active transplant list, 31 March 2014**

Centre		Male		Gender Female		Total patients
		N		N		
Great Ormond Street	H	16		6		22
	L	4		5		9
	HL	1		2		3
Newcastle	H	5		3		8
<b>TOTAL</b>	<b>H</b>	<b>21</b>		<b>9</b>		<b>30</b>
	<b>L</b>	<b>4</b>		<b>5</b>		<b>9</b>
	<b>HL</b>	<b>1</b>		<b>2</b>		<b>3</b>

**Table 2.7a Primary disease of adults on the active transplant list, 31 March 2014**

		Primary disease														Total patients
		Cardio-myopathy		Coronary Heart Disease		Cystic Fibrosis		Fibrosing Lung Disease		COPD <sup>1</sup>		Other		Unknown/ Not reported		
Centre		N	%	N	%	N	%	N	%	N	%	N	%	N	%	
Birmingham	H	7	64	4	36	0	0	0	0	0	0	7	0	0	0	18
	HL	1	100	0	0	0	0	0	0	0	0	0	0	0	0	1
	L	0	0	0	0	7	44	6	38	3	19	12	0	0	0	28
Glasgow	H	4	31	9	69	0	0	0	0	0	0	0	0	0	0	13
Great Ormond Street	H	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	L	0	0	0	0	2	100	0	0	0	0	1	0	0	0	3
Harefield	H	50	83	10	17	0	0	0	0	0	0	7	0	2	0	69
	HL	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
	L	0	0	0	0	26	50	15	29	11	21	29	0	0	0	81
Manchester	H	10	83	2	17	0	0	0	0	0	0	4	0	0	0	16
	HL	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3
	L	0	0	0	0	6	15	18	45	16	40	8	0	2	0	50
Newcastle	H	21	60	14	40	0	0	0	0	0	0	16	0	0	0	51
	HL	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
	L	0	0	0	0	20	36	21	38	15	27	15	0	0	0	71
Papworth	H	30	83	6	17	0	0	0	0	0	0	12	0	0	0	48
	HL	0	0	0	0	1	100	0	0	0	0	3	0	0	0	4
	L	0	0	0	0	8	38	10	48	3	14	9	0	0	0	30
TOTAL	H	122	73	45	27	0	0	0	0	0	0	47	0	2	0	216
	HL	1	50	0	0	1	50	0	0	0	0	10	0	0	0	12
	L	0	0	0	0	69	37	70	37	48	26	74	0	2	0	263

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

**Table 2.7b Primary disease of paediatrics on the active transplant list, 31 March 2014**

Centre		Primary disease						Total patients
		Cardiomyopathy	Coronary Heart Disease	Cystic Fibrosis	Fibrosing Lung Disease	COPD <sup>1</sup>	Other	
		N	N	N	N	N	N	
Great Ormond Street	H	15	0	0	0	0	7	22
	L	1	0	4	1	0	3	9
	HL	1	0	1	0	0	1	3
Newcastle	H	5	0	0	0	0	3	8
<b>TOTAL</b>	H	20	0	0	0	0	10	30
	L	1	0	4	1	0	3	9
	HL	1	0	1	0	0	1	3

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



**Table 2.8a** Number of previous cardiothoracic transplants of adults on the active transplant list, 31 March 2014

Centre		Number of previous cardiothoracic transplants				Total patients
		0		1		
		N	%	N	%	
Birmingham	H	18	100	0	0	18
	L	28	100	0	0	28
	HL	1	100	0	0	1
Glasgow	H	13	100	0	0	13
Great Ormond Street	H	1	100	0	0	1
	L	3	100	0	0	3
Harefield	H	69	100	0	0	69
	L	78	96	3	4	81
	HL	2	100	0	0	2
Manchester	H	15	94	1	6	16
	L	49	98	1	2	50
	HL	3	100	0	0	3
Newcastle	H	50	98	1	2	51
	L	70	99	1	1	71
	HL	2	100	0	0	2
Papworth	H	48	100	0	0	48
	L	30	100	0	0	30
	HL	4	100	0	0	4
TOTAL	H	214	99	2	1	216
	L	258	98	5	2	263
	HL	12	100	0	0	12

**Table 2.8b** Number of previous cardiothoracic transplants of adults on the active transplant list, 31 March 2014

Centre		Number of previous cardiothoracic transplants				Total patients
		0		1		
		N	%	N	%	
Great Ormond Street	H	21	95	1	5	22
	L	9	100	0	0	9
	HL	3	100	0	0	3
Newcastle	H	8	100	0	0	8
TOTAL	H	29	97	1	3	30
	L	9	100	0	0	9
	HL	3	100	0	0	3

Table 2.9a

Registration outcome of adult patients<sup>1</sup> on the transplant list, 1 April 2013 - 31 March 2014

Centre		No. on active and suspended list (as at 1 April 2013)	New registrations (1 April 2013 – 31 March 2014)	TOTAL	Registration outcome (as at 31 March 2014)							
					Active/Suspended		Transplanted		Removed		Died	
					N	%	N	%	N	%	N	%
Birmingham	H	21	31	52	22	42	20	38	6	12	4	8
	L	20	39	59	24	41	21	36	3	5	11	19
	HL	0	2	2	1	50	1	50	0	0	0	0
Glasgow	H	9	33	42	13	31	19	45	10	24	0	0
Great Ormond Street	H	3	3	6	1	17	3	50	1	17	1	17
Harefield	H	54	56	110	68	62	26	24	10	9	6	5
	L	67	82	149	69	46	61	41	5	3	14	9
	HL	1	2	3	2	67	0	0	0	0	1	33
Manchester	H	16	41	57	17	30	31	54	7	12	2	4
	L	40	54	94	50	53	30	32	6	6	8	9
	HL	0	2	2	2	100	0	0	0	0	0	0
Newcastle	H	42	54	96	50	52	28	29	9	9	9	9
	L	52	88	140	67	48	53	38	6	4	14	10
	HL	2	1	3	2	67	1	33	0	0	0	0
Papworth	H	47	57	104	48	46	44	42	5	5	7	7
	L	24	49	78	29	37	31	40	5	6	13	17
	HL	10	3	13	5	38	6	46	0	0	2	15
TOTAL	H	192	275	467	219	47	171	37	48	10	29	6
	L	208	312	520	239	46	196	38	25	5	60	12
	HL	13	10	23	12	52	8	35	0	0	3	13

<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 2013 - 31 March 2014

		No. on active and suspended list (as at 1 April 2013)	New registrations (1 April 2013 – 31 March 2014)	TOTAL	Active/Suspended	Registration outcome (as at 31 March 2014)		Died
						Transplanted	Removed	
Centre					N	N	N	N
Great Ormond Street	H	11	27	38	20	13	2	3
	L	12	6	18	11	6	0	1
	HL	2	1	3	2	0	0	1
Harefield	HL	0	1	1	1	0	0	0
Manchester	H	0	2	2	2	0	0	0
Newcastle	H	4	28	32	12	11	6	3
	L	3	1	4	3	1	0	0
Papworth	H	0	2	2	1	0	0	1
	L	0	2	2	1	0	0	1
TOTAL	H	15	59	74	35	24	8	7
	L	15	9	24	15	7	0	2
	HL	2	2	4	3	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 2013 - 31 March 2014 (1 April 2012 – 31 March 2013)**

Centre	Organ transplanted						Total transplants
	Heart		Lung		Heart/lung		
	Adult	Paed.	Adult	Paed.	Adult	Paed.	
Birmingham	20 (20)	0 (0)	21 (16)	0 (0)	1 (0)	0 (0)	42 (36)
Glasgow	19 (9)	0 (1)	0 (0)	0 (0)	0 (0)	0 (0)	19 (10)
Great Ormond Street	3 (1)	15 (9)	1 (1)	5 (2)	0 (0)	0 (0)	24 (13)
Harefield	26 (21)	0 (0)	62 (48)	0 (0)	0 (0)	0 (0)	88 (69)
Manchester	31 (22)	0 (0)	31 (26)	0 (0)	0 (0)	0 (0)	62 (48)
Newcastle	28 (22)	12 (14)	56 (58)	1 (1)	1 (1)	1 (0)	99 (96)
Papworth	44 (26)	0 (0)	33 (36)	0 (0)	5 (2)	0 (0)	82 (64)
Dublin	0 (1)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (1)
TOTAL	171 (122)	27 (24)	204 (185)	6 (3)	7 (3)	1 (0)	416 (337)

**Table 3.2 Urgency status of heart transplants, 1 April 2013 - 31 March 2014**

Centre	Urgency status				Total transplants
	Urgent		Non-urgent		
	Adult	Paed.	Adult	Paed.	
Birmingham	17	0	3	0	20
Glasgow	14	0	5	0	19
Great Ormond Street	2	13	1	2	18
Harefield	23	0	3	0	26
Manchester	26	0	5	0	31
Newcastle	20	10	8	2	40
Papworth	27	0	17	0	44
TOTAL	129	23	42	4	198

**Table 3.3a Adult recipient transplant number, 1 April 2013 - 31 March 2014**

		Cardiothoracic transplant number				Total transplants
		First transplant		Re-transplant		
Centre		N	%	N	%	
Birmingham	H	20	100	0	0	20
	L	21	100	0	0	21
	HL	1	100	0	0	1
Glasgow	H	19	100	0	0	19
Great Ormond Street	H	3	100	0	0	3
	L	1	100	0	0	1
Harefield	H	26	100	0	0	26
	L	58	94	4	6	62
Manchester	H	31	100	0	0	31
	L	31	100	0	0	31
Newcastle	H	27	96	1	4	28
	L	56	100	0	0	56
	HL	1	100	0	0	1
Papworth	H	43	98	1	2	44
	L	33	100	0	0	33
	HL	5	100	0	0	5
TOTAL	H	169	99	2	1	171
	L	200	98	4	2	204
	HL	7	100	0	0	7

**Table 3.3b Paediatric recipient transplant number, 1 April 2013 - 31 March 2014**

		Cardiothoracic transplant number				Total transplants
		First transplant		Re-transplant		
Centre		N	%	N	%	
Great Ormond Street	H	15	100	0	0	15
	L	5	100	0	0	5
Newcastle	H	11	92	1	8	12
	L	1	100	0	0	1
	HL	1	100	0	0	1
TOTAL	H	26	96	1	4	27
	L	6	100	0	0	6
	HL	1	100	0	0	1

**Table 3.4a Donor type of adult transplants, 1 April 2013 - 31 March 2014**

		Donor type				Total transplants
		Deceased DBD		Deceased DCD		
Centre		N	%	N	%	
Birmingham	H	20	100	0	0	20
	L	18	86	3	14	21
	HL	1	100	0	0	1
Glasgow	H	19	100	0	0	19
Great Ormond Street	H	3	100	0	0	3
	L	1	100	0	0	1
Harefield	H	26	100	0	0	26
	L	50	81	12	19	62
Manchester	H	31	100	0	0	31
	L	28	90	3	10	31
Newcastle	H	28	100	0	0	28
	L	45	80	11	20	56
	HL	1	100	0	0	1
Papworth	H	44	100	0	0	44
	L	29	88	4	12	33
	HL	5	100	0	0	5
TOTAL	H	171	100	0	0	171
	L	171	84	33	16	204
	HL	7	100	0	0	7

DBD=Donors after brain death

DCD=Donors after circulatory death

There were no living donors in this time period

**Table 3.4b Donor type of paediatric transplants, 1 April 2013 - 31 March 2014**

		Donor type				Total transplants
		Deceased DBD		Deceased DCD		
Centre		N	%	N	%	
Great Ormond Street	H	15	100	0	0	15
	L	3	60	2	40	5
Newcastle	H	11	92	1	8	12
	L	1	100	0	0	1
	HL	1	100	0	0	1
TOTAL	H	26	96	1	4	27
	L	4	67	2	33	6
	HL	1	100	0	0	1

DBD=Donors after brain death

DCD=Donors after circulatory death

There were no living donors in this time period

**Table 3.5a Adult recipient age, height and weight, 1 April 2013 - 31 March 2014**

Centre		Age (years)			Height (cm)		Weight (kg)		Total transplants
		Median	IQ-range		Mean	s.d	Mean	s.d	
Birmingham	H	47.5	44.0	52.5	174.3	8.7	76.7	9.3	20
	L	57.0	43.0	61.0	166.3	10.4	66.3	13.4	21
	HL	-	-	-	-	-	-	-	1
Glasgow	H	48.0	37.0	55.0	173.6	8.9	79.4	12.3	19
Great Ormond Street	H	16.0	16.0	17.0	174.0	12.3	62.0	27.6	3
	L	-	-	-	-	-	-	-	1
Harefield	H	46.0	30.0	56.0	173.3	7.8	73.6	15.4	26
	L	43.0	28.0	58.0	167.9	9.7	65.3	14.4	62
Manchester	H	56.0	45.0	61.0	174.2	8.6	80.9	15.6	31
	L	58.0	46.0	62.0	169.0	10.8	69.0	14.1	31
Newcastle	H	45.5	33.0	55.5	168.9	8.8	65.5	18.1	28
	L	51.5	40.5	59.0	170.9	9.5	70.3	17.0	56
	HL	-	-	-	-	-	-	-	1
Papworth	H	47.5	33.0	57.0	173.6	8.9	74.1	15.8	44
	L	55.0	35.0	62.0	171.3	9.6	72.5	17.8	33
	HL	45.0	42.0	48.0	158.6	6.4	51.4	4.8	5
<b>TOTAL</b>	<b>H</b>	<b>48.0</b>	<b>36.0</b>	<b>57.0</b>	<b>173.0</b>	<b>8.7</b>	<b>74.5</b>	<b>16.0</b>	<b>171</b>
	<b>L</b>	<b>52.0</b>	<b>35.5</b>	<b>60.0</b>	<b>169.2</b>	<b>10.0</b>	<b>68.4</b>	<b>15.7</b>	<b>204</b>
	<b>HL</b>	<b>42.0</b>	<b>26.0</b>	<b>48.0</b>	<b>162.9</b>	<b>9.0</b>	<b>55.7</b>	<b>8.5</b>	<b>7</b>

- Summary statistics not estimated due to small numbers of patients

**Table 3.5b Paediatric recipient age, height and weight, 1 April 2013 - 31 March 2014**

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 2013 - 31 March 2014**

		Blood group								Total transplants
		O		A		B		AB		
		N	%	N	%	N	%	N	%	
Birmingham	H	11	55	7	35	1	5	1	5	20
	L	9	43	5	24	6	29	1	5	21
	HL	0	0	1	100	0	0	0	0	1
Glasgow	H	3	16	13	68	3	16	0	0	19
Great Ormond Street	H	2	67	1	33	0	0	0	0	3
	L	1	100	0	0	0	0	0	0	1
Harefield	H	6	23	14	54	4	15	2	8	26
	L	23	37	35	56	4	6	0	0	62
Manchester	H	11	35	14	45	3	10	3	10	31
	L	12	39	16	52	3	10	0	0	31
Newcastle	H	9	32	14	50	5	18	0	0	28
	L	21	38	29	52	4	7	2	4	56
	HL	0	0	1	100	0	0	0	0	1
Papworth	H	14	32	22	50	5	11	3	7	44
	L	11	33	18	55	3	9	1	3	33
	HL	1	20	3	60	1	20	0	0	5
TOTAL	H	56	33	85	50	21	12	9	5	171
	L	77	38	103	50	20	10	4	2	204
	HL	1	14	5	71	1	14	0	0	7

**Table 3.6b Paediatric recipient blood group, 1 April 2013 - 31 March 2014**

Centre		Blood group				Total transplants
		O N	A N	B N	AB N	
Great Ormond Street	H	5	7	2	1	15
	L	3	2	0	0	5
Newcastle	H	5	3	2	2	12
	L	0	1	0	0	1
	HL	0	0	1	0	1
<b>TOTAL</b>	<b>H</b>	<b>10</b>	<b>10</b>	<b>4</b>	<b>3</b>	<b>27</b>
	<b>L</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>6</b>
	<b>HL</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>



**Table 3.7a Adult recipient ethnic origin, 1 April 2013 - 31 March 2014**

Centre		Ethnic Origin												Total transplants
		White		Asian		Black		Other		Not Reported		Unknown		
		N	%	N	%	N	%	N	%	N	%	N	%	
Birmingham	H	19	95	0	0	0	0	1	5	0	0	0	0	20
	L	19	90	2	10	0	0	0	0	0	0	0	0	21
	HL	1	100	0	0	0	0	0	0	0	0	0	0	1
Glasgow	H	18	95	0	0	1	5	0	0	0	0	0	0	19
Great Ormond Street	H	3	100	0	0	0	0	0	0	0	0	0	0	3
	L	1	100	0	0	0	0	0	0	0	0	0	0	1
Harefield	H	23	88	1	4	2	8	0	0	0	0	0	0	26
	L	59	95	1	2	1	2	0	0	1	2	0	0	62
Manchester	H	28	90	2	6	0	0	1	3	0	0	0	0	31
	L	31	100	0	0	0	0	0	0	0	0	0	0	31
Newcastle	H	23	92	1	4	1	4	0	0	0	0	3	0	28
	L	53	95	2	4	0	0	0	0	1	2	0	0	56
	HL	1	100	0	0	0	0	0	0	0	0	0	0	1
Papworth	H	37	84	4	9	1	2	2	5	0	0	0	0	44
	L	32	97	1	3	0	0	0	0	0	0	0	0	33
	HL	4	80	1	20	0	0	0	0	0	0	0	0	5
TOTAL	H	151	90	8	5	5	3	4	2	0	0	3	0	171
	L	195	96	6	3	1	0	0	0	2	1	0	0	204
	HL	6	86	1	14	0	0	0	0	0	0	0	0	7

**Table 3.7b Paediatric recipient ethnic origin, 1 April 2013 - 31 March 2014**

		Ethnic Origin					
		White	Asian	Black	Other	Unknown	
Centre		N	N	N	N	N	Total transplants
Great Ormond Street	H	12	0	0	1	2	15
	L	4	1	0	0	0	5
Newcastle	H	8	2	1	1	0	12
	L	1	0	0	0	0	1
	HL	0	1	0	0	0	1
TOTAL	H	20	2	1	2	2	27
	L	5	1	0	0	0	6
	HL	0	1	0	0	0	1

**Table 3.8a Adult recipient gender, 1 April 2013 - 31 March 2014**

		Gender				Total transplants
		Male		Female		
Centre		N	%	N	%	
Birmingham	H	17	85	3	15	20
	L	11	52	10	48	21
	HL	0	0	1	100	1
Glasgow	H	15	79	4	21	19
Great Ormond Street	H	2	67	1	33	3
	L	0	0	1	100	1
Harefield	H	21	81	5	19	26
	L	34	55	28	45	62
Manchester	H	25	81	6	19	31
	L	18	58	13	42	31
Newcastle	H	17	61	11	39	28
	L	39	70	17	30	56
	HL	1	100	0	0	1
Papworth	H	30	68	14	32	44
	L	19	58	14	42	33
	HL	0	0	5	100	5
TOTAL	H	127	74	44	26	171
	L	121	59	83	41	204
	HL	1	14	6	86	7

**Table 3.8b Paediatric recipient gender, 1 April 2013 - 31 March 2014**

Centre		Gender		Total transplants
		Male	Female	
		N	N	
Great Ormond Street	H	8	7	15
	L	3	2	5
Newcastle	H	4	8	12
	L	0	1	1
	HL	1	0	1
<b>TOTAL</b>	<b>H</b>	<b>12</b>	<b>15</b>	<b>27</b>
	<b>L</b>	<b>3</b>	<b>3</b>	<b>6</b>
	<b>HL</b>	<b>1</b>	<b>0</b>	<b>1</b>

**Table 3.9a Adult recipient primary disease, 1 April 2013 - 31 March 2014**

Centre		Primary disease												Total transplants
		Cardio- myopathy		Coronary Heart Disease		Cystic Fibrosis		Fibrosing Lung Disease		COPD <sup>1</sup>		Other		
N	%	N	%	N	%	N	%	N	%	N	%	N	%	
Birmingham	H	13	76	4	24	0	0	0	0	0	0	3	0	20
	HL	1	100	0	0	0	0	0	0	0	0	0	0	1
	L	0	0	0	0	2	13	12	80	1	7	6	0	21
Glasgow	H	12	71	5	29	0	0	0	0	0	0	2	0	19
Great Ormond Street	H	3	100	0	0	0	0	0	0	0	0	0	0	3
	L	0	0	0	0	1	100	0	0	0	0	0	0	1
Harefield	H	21	88	3	13	0	0	0	0	0	0	2	0	26
	L	0	0	0	0	23	61	6	16	9	24	24	0	62
Manchester	H	15	63	9	38	0	0	0	0	0	0	7	0	31
	L	0	0	0	0	3	13	11	46	10	42	7	0	31
Newcastle	H	12	67	6	33	0	0	0	0	0	0	10	0	28
	HL	0	0	0	0	0	0	0	0	0	0	1	0	1
	L	0	0	0	0	16	31	22	43	13	25	5	0	56
Papworth	H	33	92	3	8	0	0	0	0	0	0	8	0	44
	HL	0	0	0	0	0	0	0	0	0	0	5	0	5
	L	0	0	0	0	9	47	4	21	6	32	14	0	33
TOTAL	H	109	78	30	22	0	0	0	0	0	0	32	0	171
	HL	1	100	0	0	0	0	0	0	0	0	6	0	7
	L	0	0	0	0	54	36	55	37	39	26	56	0	204

1 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 2013 - 31 March 2014**

Centre		Primary disease						Total transplants
		Cardio-myopathy	Coronary Heart Disease	Cystic Fibrosis	Fibrosing Lung Disease	COPD <sup>1</sup>	Other	
		N	N	N	N	N	N	
Great Ormond Street	H	13	0	0	0	0	2	15
	L	0	0	2	0	0	3	5
Newcastle	H	4	0	0	0	0	8	12
	L	0	0	1	0	0	0	1
	HL	0	0	0	0	0	1	1
<b>TOTAL</b>	H	17	0	0	0	0	10	27
	L	0	0	3	0	0	3	6
	HL	0	0	0	0	0	1	1

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

**Table 3.10a Ischaemic time for adult transplants, 1 April 2013 - 31 March 2014**

Centre		Ischaemic time (hours)		Total transplants <sup>1</sup>
		Median	Interquartile range	
Birmingham	H	4.1	3.0 - 4.8	5
	L	4.9	4.0 - 6.3	20
	HL	-	- -	1
Glasgow	H	3.1	2.6 - 3.7	18
Great Ormond Street	H	3.5	3.3 - 3.7	2
	L	-	- -	1
Harefield	H	6.2	4.4 - 7.5	22
	L	5.0	4.1 - 6.4	39
Manchester	H	3.2	2.7 - 3.8	31
	L	4.4	4.1 - 5.9	27
Newcastle	H	3.1	2.5 - 3.5	28
	L	5.5	4.8 - 6.8	49
	HL	-	- -	1
Papworth	H	2.6	2.3 - 3.1	38
	L	5.0	3.8 - 6.3	30
	HL	2.8	2.7 - 2.9	5
<b>TOTAL</b>	<b>H</b>	<b>3.1</b>	<b>2.5 - 3.9</b>	<b>144</b>
	<b>L</b>	<b>5.1</b>	<b>4.2 - 6.3</b>	<b>166</b>
	<b>HL</b>	<b>2.8</b>	<b>2.7 - 3.2</b>	<b>7</b>

<sup>1</sup> 65 transplants 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 2013 - 31 March 2014**

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