

Royal Infirmary, Edinburgh\*  
Overview of activity, 2006 - 2008

Table 1: Overview of activity

Age of patient (years)	Number of patients on transplant list (daily average)	Percentage <sup>1</sup> of patients <sup>2</sup> receiving kidney only transplant within 1 year of listing	Number of transplants carried out (annual average)				Number of kidneys <sup>3</sup> retrieved by unit (annual average)	
			All transplants	Kidney only transplants from				Multi-organ transplants that include a kidney
				Heartbeating donors	Non-heartbeating donors <sup>4</sup>	Live donors		
<18	1	0	0	0	0	0	84	
≥18	311	9	85	38	11	21	16	

<sup>1</sup> As a percentage of the number of patients newly listed on the deceased donor transplant list between 2004 and 2006  
<sup>2</sup> Exclusions - patients who received live donor transplants (as centre practices with regards to listing of such patients differ) and patients registered for kidney/pancreas transplant  
<sup>3</sup> Kidneys donated by adult or paediatric deceased or live donors  
<sup>4</sup> A non-heartbeating donor scheme has been in place since 1 October 2005

\*Patients from the catchment areas of Dundee (since November 1999), Inverness (since August 2003) and Aberdeen (since December 2003), have their transplants carried out by Edinburgh. Data for these three centres are included throughout this report.

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Details of activity, 2006 - 2008

Table 2: Donors

Deceased donors (annual average)			Live donors (annual average)	
Heartbeating	Non-heartbeating <sup>1</sup>		Number	% of transplants in which kidneys from live donors were used <sup>2,3</sup>
Number	Number	% of transplants in which kidneys from non-heartbeating donors were used <sup>2</sup>		
25	6	10	21	25

<sup>1</sup> A non-heartbeating donor scheme has been in place since 1 October 2005

<sup>2</sup> As a percentage of all transplants at the centre in adult or paediatric patients using kidneys from live or deceased donors

<sup>3</sup> See Table 4 for numbers of transplants in paediatric and adult patients

Table 3: Patients on the active transplant list

Age of patient (years)	Number of patients on the transplant list (daily average)	Percent change in list size over time period	Number of patients joining the deceased donor transplant list (2004-2006) <sup>1</sup>	Percentage of patients receiving kidney only transplant within:		
				6 months	1 year	2 years
<18	1	-33	1	0	0	0
≥18	311	-2	278	5	9	15

<sup>1</sup> Exclusions - patients who received live donor transplants (as centre practices with regards to listing of such patients differ) and patients registered for a kidney/pancreas transplant

Table 4: Transplants

Age of patient at transplant (years)	Number of transplants carried out (annual average)	Number of kidney only transplants from: (annual average)			Number of multi-organ transplants that include a kidney (annual average)
		Deceased donors		Live donors	
		Heartbeating	Non-heartbeating <sup>1</sup>		
<18	0	0	0	0	0
≥18	85	38	11	21	16

<sup>1</sup> A non-heartbeating donor scheme has been in place since 1 October 2005

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Survival rates\*\*

Table 5: Survival rates for adult (age  $\geq$  18 years) transplant patients<sup>1</sup>  
(Note: Only the risk-adjusted rates for a centre can be validly compared with the 'All centres' rates)

	This centre					All centres		
	Number of transplants	Unadjusted		Risk-adjusted		Number of transplants	Survival estimate (%)	95% CI
		Survival estimate (%)	95% CI	Survival estimate (%)	95% CI			
<b>First deceased donor transplants</b>								
1 year survival Graft	145	92	(87, 96)	92	(77, 100)	4923	93	(92, 93)
Patient	145	98	(93, 99)	98	(82, 100)	4923	96	(96, 97)
5 year survival Graft	205	83	(77, 87)	83	(71, 97)	4989	82	(81, 83)
Patient	205	86	(80, 90)	87	(75, 100)	4989	87	(86, 88)
<b>Live donor transplants</b>								
1 year survival Graft	84	96	(89, 99)	96	(77, 100)	2670	96	(95, 97)
Patient <sup>2</sup>	72	99	(90, 100)	99	(77, 100)	2305	99	(98, 99)
5 year survival Graft	68	91	(81, 96)	91	(70, 100)	1583	89	(87, 90)
Patient <sup>2</sup>	63	93	(83, 97)	93	(71, 100)	1386	95	(94, 96)

<sup>1</sup> Cohorts for survival rate estimation:  
1 year survival: 1 Jan 2003 - 31 Dec 2007  
5 year survival: 1 Jan 1999 - 31 Dec 2003

<sup>2</sup> First grafts only - re-grafts excluded for patient survival estimation

\*\*The transplants used to estimate the survival rates include those carried out by Dundee and Aberdeen at a time before Edinburgh took over all their transplant activity.

Royal Infirmary, Edinburgh  
Survival rates\*\*

Table 6: Survival rates for paediatric (age < 18 years) transplant patients<sup>1</sup>  
(Note: Only the risk-adjusted rates for a centre can be validly compared with the 'All centres' rates)

	This centre					All centres		
	Number of transplants	Unadjusted		Risk-adjusted		Number of transplants	Survival estimate (%)	95% CI
		Survival estimate (%)	95% CI	Survival estimate (%)	95% CI			
<b>First deceased donor transplants</b>								
1 year survival Graft	1	-	-	-	-	327	93	(89, 95)
Patient	1	-	-	-	-	327	100	(98, 100)
5 year survival Graft	2	-	-	-	-	387	78	(73, 82)
Patient	2	-	-	-	-	387	98	(96, 99)
<b>Live donor transplants</b>								
1 year survival Graft	1	-	-	-	-	236	97	(93, 98)
Patient <sup>2</sup>	1	-	-	-	-	218	99	(96, 100)
5 year survival Graft	5	-	-	-	-	188	89	(83, 93)
Patient <sup>2</sup>	5	-	-	-	-	172	95	(90, 97)

<sup>1</sup> Cohorts for survival rate estimation:  
1 year survival: 1 Jan 2003 - 31 Dec 2007  
5 year survival: 1 Jan 1999 - 31 Dec 2003

<sup>2</sup> First grafts only - re-grafts excluded for patient survival estimation

\*\*The transplants used to estimate the survival rates include those carried out by Dundee and Aberdeen at a time before Edinburgh took over all their transplant activity.