

Royal Infirmary, Edinburgh*
Overview of activity, 2005 - 2007

Table 1: Overview of activity

Age of patient (years)	Number of patients on transplant list (daily average)	Percentage ¹ of patients ² receiving kidney only transplant within 1 year of listing	Number of transplants carried out (annual average)				Number of kidneys ³ retrieved by unit (annual average)	
			All transplants	Kidney only transplants from				Multi-organ transplants that include a kidney
				Heartbeating donors	Non-heartbeating donors ⁴	Live donors		
<18	1	0	0	0	0	0	80	
≥18	362	12	71	32	5	18	15	

¹ As a percentage of the number of patients newly listed on the deceased donor transplant list between 2003 and 2005
² 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
³ Kidneys donated by adult or paediatric deceased or live donors
⁴ 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.

Royal Infirmary, Edinburgh
Details of activity, 2005 - 2007

Table 2: Donors

Deceased donors (annual average)			Live donors (annual average)	
Heartbeating	Non-heartbeating ¹		Number	% of transplants in which kidneys from live donors were used ^{2,3}
Number	Number	% of transplants in which kidneys from non-heartbeating donors were used ²		
28	3	5	18	25

¹ A non-heartbeating donor scheme has been in place since 1 October 2005

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

³ 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 (2003-2005) ¹	Percentage of patients receiving kidney only transplant within:		
				6 months	1 year	2 years
<18	1	-75	1	0	0	0
≥18	362	+13	263	8	12	16

¹ 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 ¹		
<18	0	0	0	0	0
≥18	71	32	5	18	15

¹ A non-heartbeating donor scheme has been in place since 1 October 2005

Royal Infirmary, Edinburgh
Survival rates**

Table 5: Survival rates for adult (age \geq 18 years) transplant patients¹
(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			
First deceased donor transplants								
1 year survival Graft	143	92	(86, 95)	91	(76, 100)	4987	92	(92, 93)
Patient	143	97	(92, 99)	97	(82, 100)	4987	96	(95, 97)
5 year survival Graft	213	82	(77, 87)	82	(71, 96)	5047	82	(81, 83)
Patient	213	87	(82, 91)	88	(76, 100)	5047	87	(86, 88)
Live donor transplants								
1 year survival Graft	75	97	(90, 99)	97	(76, 100)	2242	96	(95, 96)
Patient ²	67	98	(90, 100)	98	(76, 100)	1955	98	(98, 99)
5 year survival Graft	66	90	(79, 95)	89	(68, 100)	1409	88	(87, 90)
Patient ²	62	91	(80, 96)	91	(69, 100)	1232	95	(94, 96)

¹ Cohorts for survival rate estimation:
1 year survival: 1 Jan 2002 - 31 Dec 2006
5 year survival: 1 Jan 1998 - 31 Dec 2002

² 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 patients¹
(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			
First deceased donor transplants								
1 year survival Graft	1	-	-	-	-	334	92	(89, 95)
Patient	1	-	-	-	-	334	100	(98, 100)
5 year survival Graft	2	-	-	-	-	385	77	(72, 81)
Patient	2	-	-	-	-	385	98	(96, 99)
Live donor transplants								
1 year survival Graft	1	-	-	-	-	231	97	(94, 99)
Patient ²	1	-	-	-	-	211	99	(96, 100)
5 year survival Graft	8	63	(23, 86)	65	(19, 100)	166	84	(77, 89)
Patient ²	8	100	-	100	-	153	96	(90, 98)

¹ Cohorts for survival rate estimation:
1 year survival: 1 Jan 2002 - 31 Dec 2006
5 year survival: 1 Jan 1998 - 31 Dec 2002

² 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.