

Table 5.4a
Transplant Recipient Characteristics, 1999 to 2008
Recipients of Deceased Donor non-ECD Kidneys

	Year of Transplant									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	6,808	6,940	7,034	7,254	7,196	7,791	8,134	8,842	8,759	8,639
Age at Transplant										
<1 Year	2	-	-	-	-	1	2	2	1	1
1-5 Years	50	37	42	49	53	48	59	83	84	64
6-11 Years	84	66	76	84	94	85	106	117	103	114
12-17 Years	209	175	168	191	233	244	301	379	308	301
18-34 Years	1,199	1,202	1,167	1,135	1,041	1,166	1,108	1,155	1,067	1,055
35-49 Years	2,374	2,385	2,391	2,369	2,278	2,466	2,446	2,553	2,619	2,482
50-64 Years	2,365	2,436	2,536	2,705	2,736	2,962	3,155	3,433	3,434	3,441
65+ Years	525	639	654	721	761	819	957	1,120	1,143	1,181
Age at Transplant (%)										
<1 Year	0.0%	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%
1-5 Years	0.7%	0.5%	0.6%	0.7%	0.7%	0.6%	0.7%	0.9%	1.0%	0.7%
6-11 Years	1.2%	1.0%	1.1%	1.2%	1.3%	1.1%	1.3%	1.3%	1.2%	1.3%
12-17 Years	3.1%	2.5%	2.4%	2.6%	3.2%	3.1%	3.7%	4.3%	3.5%	3.5%
18-34 Years	17.6%	17.3%	16.6%	15.6%	14.5%	15.0%	13.6%	13.1%	12.2%	12.2%
35-49 Years	34.9%	34.4%	34.0%	32.7%	31.7%	31.7%	30.1%	28.9%	29.9%	28.7%
50-64 Years	34.7%	35.1%	36.1%	37.3%	38.0%	38.0%	38.8%	38.8%	39.2%	39.8%
65+ Years	7.7%	9.2%	9.3%	9.9%	10.6%	10.5%	11.8%	12.7%	13.0%	13.7%
Recipient Ethnicity/Race										
White	3,783	3,739	3,692	3,745	3,583	3,829	3,920	4,180	4,127	4,017
African American	1,861	1,977	2,072	2,105	2,124	2,308	2,448	2,645	2,701	2,654
Other/Multi-race	82	73	53	81	89	111	103	140	109	113
Asian	313	340	335	357	395	453	479	516	482	504
Hispanic/Latino	769	811	882	965	1,005	1,090	1,184	1,361	1,340	1,351
Unknown	-	-	-	1	-	-	-	-	-	-
Recipient Ethnicity/Race (%)										
White	55.6%	53.9%	52.5%	51.6%	49.8%	49.1%	48.2%	47.3%	47.1%	46.5%
African American	27.3%	28.5%	29.5%	29.0%	29.5%	29.6%	30.1%	29.9%	30.8%	30.7%
Other/Multi-race	1.2%	1.1%	0.8%	1.1%	1.2%	1.4%	1.3%	1.6%	1.2%	1.3%
Asian	4.6%	4.9%	4.8%	4.9%	5.5%	5.8%	5.9%	5.8%	5.5%	5.8%
Hispanic/Latino	11.3%	11.7%	12.5%	13.3%	14.0%	14.0%	14.6%	15.4%	15.3%	15.6%
Unknown	-	-	-	0.0%	-	-	-	-	-	-
Recipient Gender										
Female	2,743	2,732	2,811	2,936	2,837	3,149	3,245	3,480	3,354	3,433
Male	4,065	4,208	4,223	4,318	4,359	4,642	4,889	5,362	5,405	5,206
Recipient Gender (%)										
Female	40.3%	39.4%	40.0%	40.5%	39.4%	40.4%	39.9%	39.4%	38.3%	39.7%
Male	59.7%	60.6%	60.0%	59.5%	60.6%	59.6%	60.1%	60.6%	61.7%	60.3%

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

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Total	6,808	6,940	7,034	7,254	7,196	7,791	8,134	8,842	8,759	8,639
Recipient Blood Type										
A	2,625	2,673	2,710	2,811	2,662	2,852	3,026	3,210	3,147	3,218
AB	416	376	380	403	361	377	444	497	494	463
B	880	845	840	874	852	1,028	1,041	1,201	1,122	1,241
O	2,887	3,046	3,104	3,166	3,321	3,534	3,623	3,934	3,996	3,717
Recipient Blood Type (%)										
A	38.6%	38.5%	38.5%	38.8%	37.0%	36.6%	37.2%	36.3%	35.9%	37.2%
AB	6.1%	5.4%	5.4%	5.6%	5.0%	4.8%	5.5%	5.6%	5.6%	5.4%
B	12.9%	12.2%	11.9%	12.0%	11.8%	13.2%	12.8%	13.6%	12.8%	14.4%
O	42.4%	43.9%	44.1%	43.6%	46.2%	45.4%	44.5%	44.5%	45.6%	43.0%
Previous Tx Any Organ										
No	5,775	5,754	5,900	6,097	6,082	6,514	6,839	7,428	7,442	7,363
Yes	1,033	1,186	1,134	1,157	1,114	1,277	1,295	1,414	1,317	1,276
Previous Tx Any Organ (%)										
No	84.8%	82.9%	83.9%	84.1%	84.5%	83.6%	84.1%	84.0%	85.0%	85.2%
Yes	15.2%	17.1%	16.1%	15.9%	15.5%	16.4%	15.9%	16.0%	15.0%	14.8%
Previous KI/KP Tx										
No	5,857	5,870	6,004	6,203	6,208	6,646	7,018	7,604	7,617	7,547
Yes	951	1,070	1,030	1,051	988	1,145	1,116	1,238	1,142	1,092
Previous KI/KP Tx (%)										
No	86.0%	84.6%	85.4%	85.5%	86.3%	85.3%	86.3%	86.0%	87.0%	87.4%
Yes	14.0%	15.4%	14.6%	14.5%	13.7%	14.7%	13.7%	14.0%	13.0%	12.6%
Primary Payment Source										
Private Insurance	2,284	2,392	2,246	2,352	2,237	2,372	2,399	2,765	2,615	2,634
Medicaid	401	392	422	447	439	451	575	668	638	589
Medicare	3,969	4,022	4,227	4,322	4,373	4,835	4,972	5,218	5,311	5,194
Other	143	133	138	133	147	132	187	190	191	212
Unknown	11	1	1	-	-	1	1	1	4	10
Primary Payment Source (%)										
Private Insurance	33.5%	34.5%	31.9%	32.4%	31.1%	30.4%	29.5%	31.3%	29.9%	30.5%
Medicaid	5.9%	5.6%	6.0%	6.2%	6.1%	5.8%	7.1%	7.6%	7.3%	6.8%
Medicare	58.3%	58.0%	60.1%	59.6%	60.8%	62.1%	61.1%	59.0%	60.6%	60.1%
Other	2.1%	1.9%	2.0%	1.8%	2.0%	1.7%	2.3%	2.1%	2.2%	2.5%
Unknown	0.2%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	0.0%	0.1%

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Total	6,808	6,940	7,034	7,254	7,196	7,791	8,134	8,842	8,759	8,639
Recipient Residency										
U.S. Resident	6,741	6,885	6,975	7,188	7,156	7,745	8,094	8,775	8,690	8,556
Nonresident Alien	44	46	51	60	37	41	38	65	69	83
Unknown	23	9	8	6	3	5	2	2	-	-
Recipient Residency (%)										
U.S. Resident	99.0%	99.2%	99.2%	99.1%	99.4%	99.4%	99.5%	99.2%	99.2%	99.0%
Nonresident Alien	0.6%	0.7%	0.7%	0.8%	0.5%	0.5%	0.5%	0.7%	0.8%	1.0%
Unknown	0.3%	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	-	-
Hospitalized at Tx										
In Intensive Care	46	63	40	40	54	66	92	80	92	72
Hospitalized	176	103	169	168	167	153	139	165	223	264
Not Hospitalized	6,582	6,773	6,824	7,046	6,975	7,571	7,902	8,597	8,441	8,294
Unknown	4	1	1	-	-	1	1	-	3	9
Hospitalized at Tx (%)										
In Intensive Care	0.7%	0.9%	0.6%	0.6%	0.8%	0.8%	1.1%	0.9%	1.1%	0.8%
Hospitalized	2.6%	1.5%	2.4%	2.3%	2.3%	2.0%	1.7%	1.9%	2.5%	3.1%
Not Hospitalized	96.7%	97.6%	97.0%	97.1%	96.9%	97.2%	97.1%	97.2%	96.4%	96.0%
Unknown	0.1%	0.0%	0.0%	-	-	0.0%	0.0%	-	0.0%	0.1%

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Total	6,808	6,940	7,034	7,254	7,196	7,791	8,134	8,842	8,759	8,639
Level of HLA Mismatch										
A Locus Mismatch										
0	1,646	1,647	1,617	1,595	1,521	1,793	1,748	1,721	1,882	1,866
1	2,413	2,468	2,610	2,533	2,532	2,586	2,669	3,140	2,944	2,909
2	2,715	2,790	2,780	3,080	3,086	3,352	3,646	3,915	3,844	3,797
Unknown	34	35	27	46	57	60	71	66	89	67
B Locus Mismatch										
0	1,666	1,649	1,549	1,596	1,381	1,490	1,473	1,426	1,542	1,545
1	2,442	2,432	2,506	2,434	1,953	1,766	1,770	2,003	1,895	1,957
2	2,666	2,824	2,952	3,178	3,805	4,475	4,820	5,348	5,233	5,070
Unknown	34	35	27	46	57	60	71	65	89	67
DR Locus Mismatch										
0	2,166	2,186	2,289	2,265	2,064	2,184	2,205	2,157	2,297	2,296
1	2,816	2,961	2,794	2,791	2,905	3,356	3,493	3,785	3,737	3,610
2	1,784	1,753	1,919	2,148	2,164	2,191	2,361	2,827	2,636	2,665
Unknown	42	40	32	50	63	60	75	73	89	68
Total Mismatch										
0	1,061	1,037	1,098	1,135	1,104	1,331	1,324	1,260	1,371	1,368
1	299	303	216	169	114	91	63	75	77	84
2	619	636	631	610	423	271	274	304	332	346
3	1,347	1,334	1,360	1,274	1,036	977	985	1,048	1,026	1,077
4	1,465	1,579	1,573	1,628	1,737	2,001	2,042	2,330	2,227	2,076
5	1,303	1,372	1,394	1,487	1,842	2,184	2,385	2,566	2,547	2,495
6	670	638	730	900	876	876	986	1,186	1,090	1,125
Unknown	44	41	32	51	64	60	75	73	89	68
A Locus Mismatch (%)										
0	24.2%	23.7%	23.0%	22.0%	21.1%	23.0%	21.5%	19.5%	21.5%	21.6%
1	35.4%	35.6%	37.1%	34.9%	35.2%	33.2%	32.8%	35.5%	33.6%	33.7%
2	39.9%	40.2%	39.5%	42.5%	42.9%	43.0%	44.8%	44.3%	43.9%	44.0%
Unknown	0.5%	0.5%	0.4%	0.6%	0.8%	0.8%	0.9%	0.7%	1.0%	0.8%
B Locus Mismatch (%)										
0	24.5%	23.8%	22.0%	22.0%	19.2%	19.1%	18.1%	16.1%	17.6%	17.9%
1	35.9%	35.0%	35.6%	33.6%	27.1%	22.7%	21.8%	22.7%	21.6%	22.7%
2	39.2%	40.7%	42.0%	43.8%	52.9%	57.4%	59.3%	60.5%	59.7%	58.7%
Unknown	0.5%	0.5%	0.4%	0.6%	0.8%	0.8%	0.9%	0.7%	1.0%	0.8%

(Continued)

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	Year of Transplant									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
DR Locus Mismatch (%)										
0	31.8%	31.5%	32.5%	31.2%	28.7%	28.0%	27.1%	24.4%	26.2%	26.6%
1	41.4%	42.7%	39.7%	38.5%	40.4%	43.1%	42.9%	42.8%	42.7%	41.8%
2	26.2%	25.3%	27.3%	29.6%	30.1%	28.1%	29.0%	32.0%	30.1%	30.8%
Unknown	0.6%	0.6%	0.5%	0.7%	0.9%	0.8%	0.9%	0.8%	1.0%	0.8%
Total Mismatch (%)										
0	15.6%	14.9%	15.6%	15.6%	15.3%	17.1%	16.3%	14.3%	15.7%	15.8%
1	4.4%	4.4%	3.1%	2.3%	1.6%	1.2%	0.8%	0.8%	0.9%	1.0%
2	9.1%	9.2%	9.0%	8.4%	5.9%	3.5%	3.4%	3.4%	3.8%	4.0%
3	19.8%	19.2%	19.3%	17.6%	14.4%	12.5%	12.1%	11.9%	11.7%	12.5%
4	21.5%	22.8%	22.4%	22.4%	24.1%	25.7%	25.1%	26.4%	25.4%	24.0%
5	19.1%	19.8%	19.8%	20.5%	25.6%	28.0%	29.3%	29.0%	29.1%	28.9%
6	9.8%	9.2%	10.4%	12.4%	12.2%	11.2%	12.1%	13.4%	12.4%	13.0%
Unknown	0.6%	0.6%	0.5%	0.7%	0.9%	0.8%	0.9%	0.8%	1.0%	0.8%

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Total	6,808	6,940	7,034	7,254	7,196	7,791	8,134	8,842	8,759	8,639
PRA at Transplant										
0-9%	5,537	5,742	5,815	5,877	5,705	5,865	6,187	6,615	6,486	6,247
10-79%	800	817	787	847	897	1,151	1,093	1,297	1,256	1,302
80%+	207	221	249	287	306	393	445	565	565	590
Unknown	264	160	183	243	288	382	409	365	452	500
PRA at Transplant (%)										
0-9%	81.3%	82.7%	82.7%	81.0%	79.3%	75.3%	76.1%	74.8%	74.0%	72.3%
10-79%	11.8%	11.8%	11.2%	11.7%	12.5%	14.8%	13.4%	14.7%	14.3%	15.1%
80%+	3.0%	3.2%	3.5%	4.0%	4.3%	5.0%	5.5%	6.4%	6.5%	6.8%
Unknown	3.9%	2.3%	2.6%	3.3%	4.0%	4.9%	5.0%	4.1%	5.2%	5.8%
Peak PRA										
0-9%	4,476	4,512	4,677	4,838	4,688	4,899	5,120	5,381	5,379	5,267
10-79%	1,628	1,639	1,569	1,591	1,602	1,790	1,878	2,151	2,035	2,000
80%+	673	740	746	762	833	1,020	1,060	1,232	1,246	1,280
Unknown	31	49	42	63	73	82	76	78	99	92
Peak PRA (%)										
0-9%	65.7%	65.0%	66.5%	66.7%	65.1%	62.9%	62.9%	60.9%	61.4%	61.0%
10-79%	23.9%	23.6%	22.3%	21.9%	22.3%	23.0%	23.1%	24.3%	23.2%	23.2%
80%+	9.9%	10.7%	10.6%	10.5%	11.6%	13.1%	13.0%	13.9%	14.2%	14.8%
Unknown	0.5%	0.7%	0.6%	0.9%	1.0%	1.1%	0.9%	0.9%	1.1%	1.1%

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Total	6,808	6,940	7,034	7,254	7,196	7,791	8,134	8,842	8,759	8,639
Primary Diagnosis										
Glomerular Diseases	1,921	1,932	1,863	1,947	1,827	2,036	2,025	2,261	2,023	2,066
Diabetes	1,359	1,347	1,432	1,523	1,534	1,700	1,812	1,836	1,968	1,954
Hypertensive Nephrosclerosis	1,112	1,177	1,318	1,281	1,380	1,557	1,743	1,976	2,073	2,014
Polycystic Kidneys	654	657	615	639	605	628	668	711	733	677
Tubular and Interstitial Diseases	427	445	409	410	454	456	451	484	466	443
Renovascular & Other Vascular Diseases	400	362	371	432	407	372	322	289	273	260
Congenital, Rare Familial, & Metabolic Disorders	241	179	167	191	222	239	253	296	279	300
Neoplasms	20	22	23	20	23	22	25	38	33	31
Other	550	638	654	648	645	681	749	890	854	848
Unknown	124	181	182	163	99	100	86	61	57	46
Primary Diagnosis (%)										
Glomerular Diseases	28.2%	27.8%	26.5%	26.8%	25.4%	26.1%	24.9%	25.6%	23.1%	23.9%
Diabetes	20.0%	19.4%	20.4%	21.0%	21.3%	21.8%	22.3%	20.8%	22.5%	22.6%
Hypertensive Nephrosclerosis	16.3%	17.0%	18.7%	17.7%	19.2%	20.0%	21.4%	22.3%	23.7%	23.3%
Polycystic Kidneys	9.6%	9.5%	8.7%	8.8%	8.4%	8.1%	8.2%	8.0%	8.4%	7.8%
Tubular and Interstitial Diseases	6.3%	6.4%	5.8%	5.7%	6.3%	5.9%	5.5%	5.5%	5.3%	5.1%
Renovascular & Other Vascular Diseases	5.9%	5.2%	5.3%	6.0%	5.7%	4.8%	4.0%	3.3%	3.1%	3.0%
Congenital, Rare Familial, & Metabolic Disorders	3.5%	2.6%	2.4%	2.6%	3.1%	3.1%	3.1%	3.3%	3.2%	3.5%
Neoplasms	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%	0.4%
Other	8.1%	9.2%	9.3%	8.9%	9.0%	8.7%	9.2%	10.1%	9.7%	9.8%
Unknown	1.8%	2.6%	2.6%	2.2%	1.4%	1.3%	1.1%	0.7%	0.7%	0.5%
Cold Ischemic Time										
0-11 Hours	925	961	1,126	1,247	1,381	1,432	1,720	2,055	2,124	2,048
12-21 Hours	2,675	2,719	2,676	2,979	2,875	3,210	3,204	3,567	3,553	3,601
22-31 Hours	1,837	1,782	1,674	1,643	1,591	1,715	1,865	1,848	1,929	1,854
32-41 Hours	415	376	324	319	277	292	318	355	331	360
42+ Hours	74	53	68	59	52	48	81	109	150	192
Unknown	882	1,049	1,166	1,007	1,020	1,094	946	908	672	584
Cold Ischemic Time (%)										
0-11 Hours	13.6%	13.8%	16.0%	17.2%	19.2%	18.4%	21.1%	23.2%	24.2%	23.7%
12-21 Hours	39.3%	39.2%	38.0%	41.1%	40.0%	41.2%	39.4%	40.3%	40.6%	41.7%
22-31 Hours	27.0%	25.7%	23.8%	22.6%	22.1%	22.0%	22.9%	20.9%	22.0%	21.5%
32-41 Hours	6.1%	5.4%	4.6%	4.4%	3.8%	3.7%	3.9%	4.0%	3.8%	4.2%
42+ Hours	1.1%	0.8%	1.0%	0.8%	0.7%	0.6%	1.0%	1.2%	1.7%	2.2%
Unknown	13.0%	15.1%	16.6%	13.9%	14.2%	14.0%	11.6%	10.3%	7.7%	6.8%

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(-) = None in category.

These data include multi-organ transplants, other than kidney-pancreas, in which a deceased donor non-ECD kidney was one of the organs transplanted.

Donors are divided into two mutually exclusive and complete categories. All donors meeting the criteria for Expanded Criteria Donors for Kidney are classified as ECD, regardless of whether the kidneys were allocated under the ECD system. Non-ECDs include all other donors, including SCDs and DCDs.