

Table 5.4c
Transplant Recipient Characteristics, 1999 to 2008
Recipients of Deceased Donor Kidneys

	Year of Transplant									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	8,043	8,124	8,233	8,539	8,667	9,357	9,913	10,659	10,588	10,551
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	87	67	77	84	94	87	106	117	103	114
12-17 Years	214	178	170	192	234	245	301	380	308	301
18-34 Years	1,315	1,309	1,247	1,225	1,104	1,239	1,164	1,207	1,106	1,087
35-49 Years	2,691	2,689	2,666	2,653	2,545	2,753	2,734	2,781	2,812	2,709
50-64 Years	2,956	2,975	3,128	3,322	3,465	3,701	3,979	4,345	4,399	4,411
65+ Years	728	869	903	1,014	1,172	1,283	1,568	1,744	1,775	1,864
Age at Transplant (%)										
<1 Year	0.0%	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%
1-5 Years	0.6%	0.5%	0.5%	0.6%	0.6%	0.5%	0.6%	0.8%	0.8%	0.6%
6-11 Years	1.1%	0.8%	0.9%	1.0%	1.1%	0.9%	1.1%	1.1%	1.0%	1.1%
12-17 Years	2.7%	2.2%	2.1%	2.2%	2.7%	2.6%	3.0%	3.6%	2.9%	2.9%
18-34 Years	16.3%	16.1%	15.1%	14.3%	12.7%	13.2%	11.7%	11.3%	10.4%	10.3%
35-49 Years	33.5%	33.1%	32.4%	31.1%	29.4%	29.4%	27.6%	26.1%	26.6%	25.7%
50-64 Years	36.8%	36.6%	38.0%	38.9%	40.0%	39.6%	40.1%	40.8%	41.5%	41.8%
65+ Years	9.1%	10.7%	11.0%	11.9%	13.5%	13.7%	15.8%	16.4%	16.8%	17.7%
Recipient Ethnicity/Race										
White	4,439	4,366	4,331	4,388	4,311	4,565	4,796	5,085	5,006	4,884
African American	2,211	2,330	2,425	2,521	2,607	2,762	2,987	3,228	3,273	3,258
Other/Multi-race	100	87	69	95	105	148	136	162	133	144
Asian	392	417	403	433	490	571	604	645	610	639
Hispanic/Latino	901	924	1,005	1,101	1,154	1,311	1,390	1,539	1,566	1,626
Unknown	-	-	-	1	-	-	-	-	-	-
Recipient Ethnicity/Race (%)										
White	55.2%	53.7%	52.6%	51.4%	49.7%	48.8%	48.4%	47.7%	47.3%	46.3%
African American	27.5%	28.7%	29.5%	29.5%	30.1%	29.5%	30.1%	30.3%	30.9%	30.9%
Other/Multi-race	1.2%	1.1%	0.8%	1.1%	1.2%	1.6%	1.4%	1.5%	1.3%	1.4%
Asian	4.9%	5.1%	4.9%	5.1%	5.7%	6.1%	6.1%	6.1%	5.8%	6.1%
Hispanic/Latino	11.2%	11.4%	12.2%	12.9%	13.3%	14.0%	14.0%	14.4%	14.8%	15.4%
Unknown	-	-	-	0.0%	-	-	-	-	-	-
Recipient Gender										
Female	3,217	3,219	3,279	3,441	3,362	3,729	3,886	4,146	4,027	4,120
Male	4,826	4,905	4,954	5,098	5,305	5,628	6,027	6,513	6,561	6,431
Recipient Gender (%)										
Female	40.0%	39.6%	39.8%	40.3%	38.8%	39.9%	39.2%	38.9%	38.0%	39.0%
Male	60.0%	60.4%	60.2%	59.7%	61.2%	60.1%	60.8%	61.1%	62.0%	61.0%

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

Notes:

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Recipient Blood Type										
A	3,089	3,139	3,173	3,277	3,203	3,416	3,656	3,869	3,779	3,876
AB	466	419	450	459	429	445	532	580	578	534
B	1,044	966	991	1,039	1,023	1,230	1,266	1,415	1,324	1,478
O	3,444	3,600	3,619	3,764	4,012	4,266	4,459	4,795	4,907	4,663
Recipient Blood Type (%)										
A	38.4%	38.6%	38.5%	38.4%	37.0%	36.5%	36.9%	36.3%	35.7%	36.7%
AB	5.8%	5.2%	5.5%	5.4%	4.9%	4.8%	5.4%	5.4%	5.5%	5.1%
B	13.0%	11.9%	12.0%	12.2%	11.8%	13.1%	12.8%	13.3%	12.5%	14.0%
O	42.8%	44.3%	44.0%	44.1%	46.3%	45.6%	45.0%	45.0%	46.3%	44.2%
Previous Tx Any Organ										
No	6,874	6,803	6,974	7,281	7,425	7,921	8,441	9,064	9,116	9,125
Yes	1,169	1,321	1,259	1,258	1,242	1,436	1,472	1,595	1,472	1,426
Previous Tx Any Organ (%)										
No	85.5%	83.7%	84.7%	85.3%	85.7%	84.7%	85.2%	85.0%	86.1%	86.5%
Yes	14.5%	16.3%	15.3%	14.7%	14.3%	15.3%	14.8%	15.0%	13.9%	13.5%
Previous KI/KP Tx										
No	6,967	6,927	7,097	7,401	7,561	8,081	8,660	9,287	9,321	9,348
Yes	1,076	1,197	1,136	1,138	1,106	1,276	1,253	1,372	1,267	1,203
Previous KI/KP Tx (%)										
No	86.6%	85.3%	86.2%	86.7%	87.2%	86.4%	87.4%	87.1%	88.0%	88.6%
Yes	13.4%	14.7%	13.8%	13.3%	12.8%	13.6%	12.6%	12.9%	12.0%	11.4%
Primary Payment Source										
Private Insurance	2,690	2,764	2,617	2,729	2,708	2,822	2,880	3,258	3,075	3,128
Medicaid	453	451	465	499	500	530	650	768	735	665
Medicare	4,716	4,758	4,999	5,163	5,291	5,852	6,166	6,419	6,562	6,513
Other	172	149	151	148	168	152	216	213	212	233
Unknown	12	2	1	-	-	1	1	1	4	12
Primary Payment Source (%)										
Private Insurance	33.4%	34.0%	31.8%	32.0%	31.2%	30.2%	29.1%	30.6%	29.0%	29.6%
Medicaid	5.6%	5.6%	5.6%	5.8%	5.8%	5.7%	6.6%	7.2%	6.9%	6.3%
Medicare	58.6%	58.6%	60.7%	60.5%	61.0%	62.5%	62.2%	60.2%	62.0%	61.7%
Other	2.1%	1.8%	1.8%	1.7%	1.9%	1.6%	2.2%	2.0%	2.0%	2.2%
Unknown	0.1%	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	0.0%	0.1%

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Total	8,043	8,124	8,233	8,539	8,667	9,357	9,913	10,659	10,588	10,551
Recipient Residency										
U.S. Resident	7,965	8,062	8,164	8,464	8,622	9,306	9,867	10,580	10,515	10,455
Nonresident Alien	49	49	58	66	42	46	43	76	73	96
Unknown	29	13	11	9	3	5	3	3	-	-
Recipient Residency (%)										
U.S. Resident	99.0%	99.2%	99.2%	99.1%	99.5%	99.5%	99.5%	99.3%	99.3%	99.1%
Nonresident Alien	0.6%	0.6%	0.7%	0.8%	0.5%	0.5%	0.4%	0.7%	0.7%	0.9%
Unknown	0.4%	0.2%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	-	-
Hospitalized at Tx										
In Intensive Care	53	71	46	41	61	84	109	94	104	84
Hospitalized	210	120	194	187	193	187	166	201	268	326
Not Hospitalized	7,776	7,931	7,992	8,311	8,413	9,085	9,637	10,364	10,213	10,130
Unknown	4	2	1	-	-	1	1	-	3	11
Hospitalized at Tx (%)										
In Intensive Care	0.7%	0.9%	0.6%	0.5%	0.7%	0.9%	1.1%	0.9%	1.0%	0.8%
Hospitalized	2.6%	1.5%	2.4%	2.2%	2.2%	2.0%	1.7%	1.9%	2.5%	3.1%
Not Hospitalized	96.7%	97.6%	97.1%	97.3%	97.1%	97.1%	97.2%	97.2%	96.5%	96.0%
Unknown	0.0%	0.0%	0.0%	-	-	0.0%	0.0%	-	0.0%	0.1%

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Total	8,043	8,124	8,233	8,539	8,667	9,357	9,913	10,659	10,588	10,551
Level of HLA Mismatch										
A Locus Mismatch										
0	1,891	1,895	1,849	1,783	1,698	1,974	1,962	1,952	2,111	2,103
1	2,870	2,905	3,092	3,031	3,075	3,204	3,350	3,813	3,658	3,636
2	3,238	3,287	3,264	3,677	3,830	4,105	4,513	4,806	4,719	4,733
Unknown	44	37	28	48	64	74	88	88	100	79
B Locus Mismatch										
0	1,912	1,901	1,768	1,773	1,511	1,612	1,629	1,564	1,686	1,699
1	2,915	2,870	2,936	2,848	2,333	2,171	2,179	2,382	2,316	2,392
2	3,172	3,316	3,501	3,870	4,759	5,500	6,017	6,626	6,486	6,381
Unknown	44	37	28	48	64	74	88	87	100	79
DR Locus Mismatch										
0	2,533	2,510	2,596	2,565	2,293	2,354	2,425	2,366	2,513	2,512
1	3,364	3,490	3,310	3,315	3,486	4,003	4,207	4,516	4,456	4,337
2	2,093	2,081	2,294	2,607	2,817	2,926	3,189	3,682	3,519	3,622
Unknown	53	43	33	52	71	74	92	95	100	80
Total Mismatch										
0	1,196	1,173	1,220	1,238	1,197	1,417	1,447	1,371	1,495	1,482
1	350	364	252	195	135	97	72	79	84	96
2	747	744	756	706	478	323	313	354	376	399
3	1,598	1,561	1,603	1,502	1,203	1,140	1,173	1,212	1,190	1,253
4	1,775	1,865	1,856	1,951	2,087	2,418	2,475	2,789	2,700	2,554
5	1,543	1,616	1,631	1,791	2,332	2,723	3,000	3,209	3,186	3,158
6	779	757	882	1,103	1,162	1,165	1,341	1,550	1,457	1,529
Unknown	55	44	33	53	73	74	92	95	100	80
A Locus Mismatch (%)										
0	23.5%	23.3%	22.5%	20.9%	19.6%	21.1%	19.8%	18.3%	19.9%	19.9%
1	35.7%	35.8%	37.6%	35.5%	35.5%	34.2%	33.8%	35.8%	34.5%	34.5%
2	40.3%	40.5%	39.6%	43.1%	44.2%	43.9%	45.5%	45.1%	44.6%	44.9%
Unknown	0.5%	0.5%	0.3%	0.6%	0.7%	0.8%	0.9%	0.8%	0.9%	0.7%
B Locus Mismatch (%)										
0	23.8%	23.4%	21.5%	20.8%	17.4%	17.2%	16.4%	14.7%	15.9%	16.1%
1	36.2%	35.3%	35.7%	33.4%	26.9%	23.2%	22.0%	22.3%	21.9%	22.7%
2	39.4%	40.8%	42.5%	45.3%	54.9%	58.8%	60.7%	62.2%	61.3%	60.5%
Unknown	0.5%	0.5%	0.3%	0.6%	0.7%	0.8%	0.9%	0.8%	0.9%	0.7%

(Continued)

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	Year of Transplant									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
DR Locus Mismatch (%)										
0	31.5%	30.9%	31.5%	30.0%	26.5%	25.2%	24.5%	22.2%	23.7%	23.8%
1	41.8%	43.0%	40.2%	38.8%	40.2%	42.8%	42.4%	42.4%	42.1%	41.1%
2	26.0%	25.6%	27.9%	30.5%	32.5%	31.3%	32.2%	34.5%	33.2%	34.3%
Unknown	0.7%	0.5%	0.4%	0.6%	0.8%	0.8%	0.9%	0.9%	0.9%	0.8%
Total Mismatch (%)										
0	14.9%	14.4%	14.8%	14.5%	13.8%	15.1%	14.6%	12.9%	14.1%	14.0%
1	4.4%	4.5%	3.1%	2.3%	1.6%	1.0%	0.7%	0.7%	0.8%	0.9%
2	9.3%	9.2%	9.2%	8.3%	5.5%	3.5%	3.2%	3.3%	3.6%	3.8%
3	19.9%	19.2%	19.5%	17.6%	13.9%	12.2%	11.8%	11.4%	11.2%	11.9%
4	22.1%	23.0%	22.5%	22.8%	24.1%	25.8%	25.0%	26.2%	25.5%	24.2%
5	19.2%	19.9%	19.8%	21.0%	26.9%	29.1%	30.3%	30.1%	30.1%	29.9%
6	9.7%	9.3%	10.7%	12.9%	13.4%	12.5%	13.5%	14.5%	13.8%	14.5%
Unknown	0.7%	0.5%	0.4%	0.6%	0.8%	0.8%	0.9%	0.9%	0.9%	0.8%

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Total	8,043	8,124	8,233	8,539	8,667	9,357	9,913	10,659	10,588	10,551
PRA at Transplant										
0-9%	6,577	6,732	6,849	7,000	6,973	7,208	7,661	8,112	8,010	7,811
10-79%	926	957	893	954	1,014	1,298	1,274	1,509	1,448	1,514
80%+	231	253	278	317	330	419	480	594	606	638
Unknown	309	182	213	268	350	432	498	444	524	588
PRA at Transplant (%)										
0-9%	81.8%	82.9%	83.2%	82.0%	80.5%	77.0%	77.3%	76.1%	75.7%	74.0%
10-79%	11.5%	11.8%	10.8%	11.2%	11.7%	13.9%	12.9%	14.2%	13.7%	14.3%
80%+	2.9%	3.1%	3.4%	3.7%	3.8%	4.5%	4.8%	5.6%	5.7%	6.0%
Unknown	3.8%	2.2%	2.6%	3.1%	4.0%	4.6%	5.0%	4.2%	4.9%	5.6%
Peak PRA										
0-9%	5,320	5,298	5,528	5,785	5,762	6,021	6,361	6,627	6,636	6,574
10-79%	1,905	1,925	1,824	1,842	1,912	2,133	2,300	2,604	2,483	2,488
80%+	782	845	834	846	905	1,107	1,154	1,326	1,356	1,383
Unknown	36	56	47	66	88	96	98	102	113	106
Peak PRA (%)										
0-9%	66.1%	65.2%	67.1%	67.7%	66.5%	64.3%	64.2%	62.2%	62.7%	62.3%
10-79%	23.7%	23.7%	22.2%	21.6%	22.1%	22.8%	23.2%	24.4%	23.5%	23.6%
80%+	9.7%	10.4%	10.1%	9.9%	10.4%	11.8%	11.6%	12.4%	12.8%	13.1%
Unknown	0.4%	0.7%	0.6%	0.8%	1.0%	1.0%	1.0%	1.0%	1.1%	1.0%

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Total	8,043	8,124	8,233	8,539	8,667	9,357	9,913	10,659	10,588	10,551
Primary Diagnosis										
Glomerular Diseases	2,202	2,191	2,095	2,198	2,089	2,313	2,317	2,554	2,291	2,336
Diabetes	1,691	1,638	1,736	1,902	1,951	2,197	2,369	2,381	2,559	2,623
Hypertensive Nephrosclerosis	1,343	1,401	1,582	1,578	1,736	1,945	2,172	2,486	2,598	2,549
Polycystic Kidneys	776	765	736	752	729	741	824	879	867	821
Tubular and Interstitial Diseases	491	517	457	457	522	518	554	572	543	534
Renovascular & Other Vascular Diseases	463	454	437	514	488	440	381	342	338	312
Congenital, Rare Familial, & Metabolic Disorders	257	187	184	205	237	250	265	306	292	314
Neoplasms	25	23	28	24	28	29	38	41	40	40
Other	653	743	774	733	781	808	898	1,026	996	973
Unknown	142	205	204	176	106	116	95	72	64	49
Primary Diagnosis (%)										
Glomerular Diseases	27.4%	27.0%	25.4%	25.7%	24.1%	24.7%	23.4%	24.0%	21.6%	22.1%
Diabetes	21.0%	20.2%	21.1%	22.3%	22.5%	23.5%	23.9%	22.3%	24.2%	24.9%
Hypertensive Nephrosclerosis	16.7%	17.2%	19.2%	18.5%	20.0%	20.8%	21.9%	23.3%	24.5%	24.2%
Polycystic Kidneys	9.6%	9.4%	8.9%	8.8%	8.4%	7.9%	8.3%	8.2%	8.2%	7.8%
Tubular and Interstitial Diseases	6.1%	6.4%	5.6%	5.4%	6.0%	5.5%	5.6%	5.4%	5.1%	5.1%
Renovascular & Other Vascular Diseases	5.8%	5.6%	5.3%	6.0%	5.6%	4.7%	3.8%	3.2%	3.2%	3.0%
Congenital, Rare Familial, & Metabolic Disorders	3.2%	2.3%	2.2%	2.4%	2.7%	2.7%	2.7%	2.9%	2.8%	3.0%
Neoplasms	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%	0.4%	0.4%
Other	8.1%	9.1%	9.4%	8.6%	9.0%	8.6%	9.1%	9.6%	9.4%	9.2%
Unknown	1.8%	2.5%	2.5%	2.1%	1.2%	1.2%	1.0%	0.7%	0.6%	0.5%
Cold Ischemic Time										
0-11 Hours	1,032	1,070	1,251	1,433	1,644	1,700	2,044	2,426	2,491	2,430
12-21 Hours	3,163	3,156	3,152	3,498	3,470	3,818	3,913	4,324	4,284	4,399
22-31 Hours	2,209	2,123	1,981	1,934	1,893	2,078	2,285	2,225	2,322	2,303
32-41 Hours	526	470	408	399	355	382	410	472	475	467
42+ Hours	92	72	82	76	84	74	112	147	199	244
Unknown	1,021	1,233	1,359	1,199	1,221	1,305	1,149	1,065	817	708
Cold Ischemic Time (%)										
0-11 Hours	12.8%	13.2%	15.2%	16.8%	19.0%	18.2%	20.6%	22.8%	23.5%	23.0%
12-21 Hours	39.3%	38.8%	38.3%	41.0%	40.0%	40.8%	39.5%	40.6%	40.5%	41.7%
22-31 Hours	27.5%	26.1%	24.1%	22.6%	21.8%	22.2%	23.1%	20.9%	21.9%	21.8%
32-41 Hours	6.5%	5.8%	5.0%	4.7%	4.1%	4.1%	4.1%	4.4%	4.5%	4.4%
42+ Hours	1.1%	0.9%	1.0%	0.9%	1.0%	0.8%	1.1%	1.4%	1.9%	2.3%
Unknown	12.7%	15.2%	16.5%	14.0%	14.1%	13.9%	11.6%	10.0%	7.7%	6.7%

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 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.