

Table 5.4a
Transplant Recipient Characteristics, 2000 to 2009
Recipients of Deceased Donor non-ECD Kidneys

	Year of Transplant									
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Total	6,942	7,035	7,254	7,196	7,793	8,134	8,844	8,761	8,637	8,618
Age at Transplant										
<1 Year	-	-	-	-	1	2	2	1	1	1
1-5 Years	37	42	49	53	48	59	83	84	64	97
6-11 Years	66	76	84	94	85	106	117	103	114	111
12-17 Years	174	168	191	233	244	301	379	308	301	321
18-34 Years	1,203	1,166	1,135	1,041	1,166	1,108	1,155	1,067	1,055	979
35-49 Years	2,387	2,393	2,369	2,278	2,465	2,446	2,553	2,617	2,484	2,428
50-64 Years	2,436	2,536	2,705	2,735	2,965	3,155	3,437	3,436	3,438	3,474
65+ Years	639	654	721	762	819	957	1,118	1,145	1,180	1,207
Age at Transplant (%)										
<1 Year	-	-	-	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1-5 Years	0.5%	0.6%	0.7%	0.7%	0.6%	0.7%	0.9%	1.0%	0.7%	1.1%
6-11 Years	1.0%	1.1%	1.2%	1.3%	1.1%	1.3%	1.3%	1.2%	1.3%	1.3%
12-17 Years	2.5%	2.4%	2.6%	3.2%	3.1%	3.7%	4.3%	3.5%	3.5%	3.7%
18-34 Years	17.3%	16.6%	15.6%	14.5%	15.0%	13.6%	13.1%	12.2%	12.2%	11.4%
35-49 Years	34.4%	34.0%	32.7%	31.7%	31.6%	30.1%	28.9%	29.9%	28.8%	28.2%
50-64 Years	35.1%	36.0%	37.3%	38.0%	38.0%	38.8%	38.9%	39.2%	39.8%	40.3%
65+ Years	9.2%	9.3%	9.9%	10.6%	10.5%	11.8%	12.6%	13.1%	13.7%	14.0%
Age										
Mean	46.0	46.3	46.8	47.0	47.1	47.5	47.5	48.1	48.4	48.5
SD	14.4	14.4	14.7	15.0	14.7	15.4	15.7	15.4	15.5	15.7
Recipient Ethnicity/Race										
White	3,741	3,694	3,745	3,583	3,831	3,919	4,181	4,123	4,017	3,927
African American	1,977	2,071	2,105	2,124	2,308	2,449	2,648	2,702	2,656	2,759
Other/Multi-race	74	53	81	89	111	103	139	106	109	137
Asian	340	335	357	395	453	480	516	486	503	481
Hispanic/Latino	810	882	965	1,005	1,090	1,183	1,360	1,344	1,352	1,314
Unknown	-	-	1	-	-	-	-	-	-	-
Recipient Ethnicity/Race (%)										
White	53.9%	52.5%	51.6%	49.8%	49.2%	48.2%	47.3%	47.1%	46.5%	45.6%
African American	28.5%	29.4%	29.0%	29.5%	29.6%	30.1%	29.9%	30.8%	30.8%	32.0%
Other/Multi-race	1.1%	0.8%	1.1%	1.2%	1.4%	1.3%	1.6%	1.2%	1.3%	1.6%
Asian	4.9%	4.8%	4.9%	5.5%	5.8%	5.9%	5.8%	5.5%	5.8%	5.6%
Hispanic/Latino	11.7%	12.5%	13.3%	14.0%	14.0%	14.5%	15.4%	15.3%	15.7%	15.2%
Unknown	-	-	0.0%	-	-	-	-	-	-	-
Recipient Gender										
Female	2,732	2,813	2,939	2,837	3,148	3,252	3,488	3,353	3,432	3,538
Male	4,210	4,222	4,315	4,359	4,645	4,882	5,356	5,408	5,205	5,080
Recipient Gender (%)										
Female	39.4%	40.0%	40.5%	39.4%	40.4%	40.0%	39.4%	38.3%	39.7%	41.1%
Male	60.6%	60.0%	59.5%	60.6%	59.6%	60.0%	60.6%	61.7%	60.3%	58.9%

Source: OPTN/SRTR Data as of October 1, 2010.

Notes:

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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.

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Total	6,942	7,035	7,254	7,196	7,793	8,134	8,844	8,761	8,637	8,618
Recipient Blood Type										
A	2,675	2,711	2,811	2,662	2,854	3,026	3,211	3,146	3,219	3,158
AB	376	380	403	361	377	444	497	495	463	471
B	845	840	874	852	1,028	1,041	1,201	1,124	1,241	1,097
O	3,046	3,104	3,166	3,321	3,534	3,623	3,935	3,996	3,714	3,892
Recipient Blood Type (%)										
A	38.5%	38.5%	38.8%	37.0%	36.6%	37.2%	36.3%	35.9%	37.3%	36.6%
AB	5.4%	5.4%	5.6%	5.0%	4.8%	5.5%	5.6%	5.7%	5.4%	5.5%
B	12.2%	11.9%	12.0%	11.8%	13.2%	12.8%	13.6%	12.8%	14.4%	12.7%
O	43.9%	44.1%	43.6%	46.2%	45.3%	44.5%	44.5%	45.6%	43.0%	45.2%
Previous Tx Any Organ										
No	5,756	5,901	6,097	6,082	6,517	6,835	7,425	7,444	7,353	7,233
Yes	1,186	1,134	1,157	1,114	1,276	1,299	1,419	1,317	1,284	1,385
Previous Tx Any Organ (%)										
No	82.9%	83.9%	84.1%	84.5%	83.6%	84.0%	84.0%	85.0%	85.1%	83.9%
Yes	17.1%	16.1%	15.9%	15.5%	16.4%	16.0%	16.0%	15.0%	14.9%	16.1%
Previous KI/KP Tx										
No	5,872	6,005	6,203	6,208	6,649	7,015	7,602	7,619	7,537	7,410
Yes	1,070	1,030	1,051	988	1,144	1,119	1,242	1,142	1,100	1,208
Previous KI/KP Tx (%)										
No	84.6%	85.4%	85.5%	86.3%	85.3%	86.2%	86.0%	87.0%	87.3%	86.0%
Yes	15.4%	14.6%	14.5%	13.7%	14.7%	13.8%	14.0%	13.0%	12.7%	14.0%
Primary Payment Source										
Private Insurance	2,393	2,246	2,352	2,237	2,372	2,398	2,765	2,617	2,639	2,416
Medicaid	392	422	447	439	446	575	655	629	590	499
Medicare	4,023	4,228	4,322	4,373	4,841	4,974	5,232	5,324	5,221	5,484
Other	133	138	133	147	132	186	191	185	187	219
Unknown	1	1	-	-	2	1	1	6	-	-
Primary Payment Source (%)										
Private Insurance	34.5%	31.9%	32.4%	31.1%	30.4%	29.5%	31.3%	29.9%	30.6%	28.0%
Medicaid	5.6%	6.0%	6.2%	6.1%	5.7%	7.1%	7.4%	7.2%	6.8%	5.8%
Medicare	58.0%	60.1%	59.6%	60.8%	62.1%	61.2%	59.2%	60.8%	60.4%	63.6%
Other	1.9%	2.0%	1.8%	2.0%	1.7%	2.3%	2.2%	2.1%	2.2%	2.5%
Unknown	0.0%	0.0%	-	-	0.0%	0.0%	0.0%	0.1%	-	-

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Table 5.4a (Continued)
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	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Total	6,942	7,035	7,254	7,196	7,793	8,134	8,844	8,761	8,637	8,618
Recipient Residency										
U.S. Resident	6,887	6,976	7,188	7,156	7,747	8,094	8,777	8,697	8,561	8,552
Nonresident Alien	46	51	60	37	41	38	65	64	76	66
Unknown	9	8	6	3	5	2	2	-	-	-
Recipient Residency (%)										
U.S. Resident	99.2%	99.2%	99.1%	99.4%	99.4%	99.5%	99.2%	99.3%	99.1%	99.2%
Nonresident Alien	0.7%	0.7%	0.8%	0.5%	0.5%	0.5%	0.7%	0.7%	0.9%	0.8%
Unknown	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	-	-	-
Hospitalized at Tx										
In Intensive Care	63	40	40	54	65	92	79	91	74	67
Hospitalized	103	169	168	166	152	137	163	194	178	154
Not Hospitalized	6,775	6,825	7,046	6,976	7,574	7,904	8,602	8,471	8,385	8,397
Unknown	1	1	-	-	2	1	-	5	-	-
Hospitalized at Tx (%)										
In Intensive Care	0.9%	0.6%	0.6%	0.8%	0.8%	1.1%	0.9%	1.0%	0.9%	0.8%
Hospitalized	1.5%	2.4%	2.3%	2.3%	2.0%	1.7%	1.8%	2.2%	2.1%	1.8%
Not Hospitalized	97.6%	97.0%	97.1%	96.9%	97.2%	97.2%	97.3%	96.7%	97.1%	97.4%
Unknown	0.0%	0.0%	-	-	0.0%	0.0%	-	0.1%	-	-

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Total	6,942	7,035	7,254	7,196	7,793	8,134	8,844	8,761	8,637	8,618
Level of HLA Mismatch										
A Locus Mismatch										
0	1,648	1,617	1,595	1,521	1,793	1,748	1,721	1,883	1,866	1,297
1	2,469	2,610	2,533	2,534	2,588	2,672	3,140	2,945	2,908	3,163
2	2,790	2,781	3,081	3,086	3,353	3,649	3,917	3,846	3,801	4,099
Unknown	35	27	45	55	59	65	66	87	62	59
B Locus Mismatch										
0	1,650	1,550	1,596	1,381	1,490	1,473	1,426	1,542	1,545	942
1	2,432	2,506	2,434	1,954	1,766	1,772	2,003	1,894	1,956	2,095
2	2,825	2,952	3,179	3,806	4,478	4,824	5,350	5,238	5,074	5,522
Unknown	35	27	45	55	59	65	65	87	62	59
DR Locus Mismatch										
0	2,188	2,289	2,265	2,064	2,184	2,205	2,157	2,297	2,297	1,748
1	2,961	2,795	2,791	2,906	3,358	3,495	3,787	3,739	3,608	3,977
2	1,753	1,919	2,149	2,165	2,192	2,365	2,827	2,638	2,669	2,834
Unknown	40	32	49	61	59	69	73	87	63	59
Total Mismatch										
0	1,038	1,098	1,135	1,104	1,331	1,324	1,260	1,371	1,368	745
1	303	216	169	114	91	63	75	77	84	83
2	636	631	610	423	271	274	304	332	345	380
3	1,335	1,361	1,274	1,036	977	985	1,048	1,025	1,076	1,183
4	1,579	1,573	1,628	1,739	2,003	2,044	2,330	2,229	2,078	2,320
5	1,372	1,394	1,487	1,842	2,184	2,388	2,568	2,550	2,496	2,615
6	638	730	901	876	877	987	1,186	1,090	1,127	1,233
Unknown	41	32	50	62	59	69	73	87	63	59
A Locus Mismatch (%)										
0	23.7%	23.0%	22.0%	21.1%	23.0%	21.5%	19.5%	21.5%	21.6%	15.0%
1	35.6%	37.1%	34.9%	35.2%	33.2%	32.8%	35.5%	33.6%	33.7%	36.7%
2	40.2%	39.5%	42.5%	42.9%	43.0%	44.9%	44.3%	43.9%	44.0%	47.6%
Unknown	0.5%	0.4%	0.6%	0.8%	0.8%	0.8%	0.7%	1.0%	0.7%	0.7%
B Locus Mismatch (%)										
0	23.8%	22.0%	22.0%	19.2%	19.1%	18.1%	16.1%	17.6%	17.9%	10.9%
1	35.0%	35.6%	33.6%	27.2%	22.7%	21.8%	22.6%	21.6%	22.6%	24.3%
2	40.7%	42.0%	43.8%	52.9%	57.5%	59.3%	60.5%	59.8%	58.7%	64.1%
Unknown	0.5%	0.4%	0.6%	0.8%	0.8%	0.8%	0.7%	1.0%	0.7%	0.7%

(Continued)

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	Year of Transplant									
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
DR Locus Mismatch (%)										
0	31.5%	32.5%	31.2%	28.7%	28.0%	27.1%	24.4%	26.2%	26.6%	20.3%
1	42.7%	39.7%	38.5%	40.4%	43.1%	43.0%	42.8%	42.7%	41.8%	46.1%
2	25.3%	27.3%	29.6%	30.1%	28.1%	29.1%	32.0%	30.1%	30.9%	32.9%
Unknown	0.6%	0.5%	0.7%	0.8%	0.8%	0.8%	0.8%	1.0%	0.7%	0.7%
Total Mismatch (%)										
0	15.0%	15.6%	15.6%	15.3%	17.1%	16.3%	14.2%	15.6%	15.8%	8.6%
1	4.4%	3.1%	2.3%	1.6%	1.2%	0.8%	0.8%	0.9%	1.0%	1.0%
2	9.2%	9.0%	8.4%	5.9%	3.5%	3.4%	3.4%	3.8%	4.0%	4.4%
3	19.2%	19.3%	17.6%	14.4%	12.5%	12.1%	11.8%	11.7%	12.5%	13.7%
4	22.7%	22.4%	22.4%	24.2%	25.7%	25.1%	26.3%	25.4%	24.1%	26.9%
5	19.8%	19.8%	20.5%	25.6%	28.0%	29.4%	29.0%	29.1%	28.9%	30.3%
6	9.2%	10.4%	12.4%	12.2%	11.3%	12.1%	13.4%	12.4%	13.0%	14.3%
Unknown	0.6%	0.5%	0.7%	0.9%	0.8%	0.8%	0.8%	1.0%	0.7%	0.7%

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Total	6,942	7,035	7,254	7,196	7,793	8,134	8,844	8,761	8,637	8,618
PRA at Transplant										
0-9%	5,743	5,815	5,877	5,705	5,867	6,187	6,614	6,487	6,320	5,675
10-79%	817	787	847	897	1,151	1,093	1,299	1,257	1,310	1,630
80%+	221	249	287	306	393	445	566	565	596	775
Unknown	161	184	243	288	382	409	365	452	411	538
PRA at Transplant (%)										
0-9%	82.7%	82.7%	81.0%	79.3%	75.3%	76.1%	74.8%	74.0%	73.2%	65.9%
10-79%	11.8%	11.2%	11.7%	12.5%	14.8%	13.4%	14.7%	14.3%	15.2%	18.9%
80%+	3.2%	3.5%	4.0%	4.3%	5.0%	5.5%	6.4%	6.4%	6.9%	9.0%
Unknown	2.3%	2.6%	3.3%	4.0%	4.9%	5.0%	4.1%	5.2%	4.8%	6.2%
Peak PRA										
0-9%	4,513	4,678	4,838	4,689	4,900	5,120	5,381	5,380	5,267	4,618
10-79%	1,639	1,569	1,591	1,602	1,791	1,878	2,151	2,035	2,005	2,351
80%+	740	746	762	833	1,020	1,061	1,234	1,247	1,278	1,571
Unknown	50	42	63	72	82	75	78	99	87	78
Peak PRA (%)										
0-9%	65.0%	66.5%	66.7%	65.2%	62.9%	62.9%	60.8%	61.4%	61.0%	53.6%
10-79%	23.6%	22.3%	21.9%	22.3%	23.0%	23.1%	24.3%	23.2%	23.2%	27.3%
80%+	10.7%	10.6%	10.5%	11.6%	13.1%	13.0%	14.0%	14.2%	14.8%	18.2%
Unknown	0.7%	0.6%	0.9%	1.0%	1.1%	0.9%	0.9%	1.1%	1.0%	0.9%

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Total	6,942	7,035	7,254	7,196	7,793	8,134	8,844	8,761	8,637	8,618
Primary Diagnosis										
Glomerular Diseases	1,932	1,863	1,945	1,827	2,043	2,031	2,264	2,046	2,068	2,095
Diabetes	1,347	1,432	1,522	1,533	1,706	1,827	1,846	1,986	1,976	1,944
Hypertensive Nephrosclerosis	1,179	1,319	1,283	1,382	1,561	1,764	1,985	2,090	2,045	2,015
Polycystic Kidneys	657	615	639	605	628	669	712	734	677	727
Tubular and Interstitial Diseases	445	409	410	453	455	449	488	472	440	424
Renovascular & Other Vascular Diseases	362	371	432	407	371	303	279	247	232	223
Congenital, Rare Familial, & Metabolic Disorders	179	167	192	222	239	252	295	282	302	280
Neoplasms	22	23	20	23	23	25	36	33	31	32
Other	639	653	650	645	670	731	878	817	822	826
Unknown	180	183	161	99	97	83	61	54	44	52
Primary Diagnosis (%)										
Glomerular Diseases	27.8%	26.5%	26.8%	25.4%	26.2%	25.0%	25.6%	23.4%	23.9%	24.3%
Diabetes	19.4%	20.4%	21.0%	21.3%	21.9%	22.5%	20.9%	22.7%	22.9%	22.6%
Hypertensive Nephrosclerosis	17.0%	18.7%	17.7%	19.2%	20.0%	21.7%	22.4%	23.9%	23.7%	23.4%
Polycystic Kidneys	9.5%	8.7%	8.8%	8.4%	8.1%	8.2%	8.1%	8.4%	7.8%	8.4%
Tubular and Interstitial Diseases	6.4%	5.8%	5.7%	6.3%	5.8%	5.5%	5.5%	5.4%	5.1%	4.9%
Renovascular & Other Vascular Diseases	5.2%	5.3%	6.0%	5.7%	4.8%	3.7%	3.2%	2.8%	2.7%	2.6%
Congenital, Rare Familial, & Metabolic Disorders	2.6%	2.4%	2.6%	3.1%	3.1%	3.1%	3.3%	3.2%	3.5%	3.2%
Neoplasms	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%	0.4%	0.4%
Other	9.2%	9.3%	9.0%	9.0%	8.6%	9.0%	9.9%	9.3%	9.5%	9.6%
Unknown	2.6%	2.6%	2.2%	1.4%	1.2%	1.0%	0.7%	0.6%	0.5%	0.6%
Cold Ischemic Time										
0-11 Hours	961	1,126	1,247	1,381	1,435	1,723	2,071	2,121	2,069	2,453
12-21 Hours	2,719	2,676	2,979	2,875	3,222	3,224	3,600	3,585	3,654	3,646
22-31 Hours	1,782	1,674	1,643	1,592	1,725	1,892	1,872	1,956	1,865	1,592
32-41 Hours	376	324	319	277	297	332	365	336	368	301
42+ Hours	53	68	59	52	48	86	115	151	194	179
Unknown	1,051	1,167	1,007	1,019	1,066	877	821	612	487	447
Cold Ischemic Time (%)										
0-11 Hours	13.8%	16.0%	17.2%	19.2%	18.4%	21.2%	23.4%	24.2%	24.0%	28.5%
12-21 Hours	39.2%	38.0%	41.1%	40.0%	41.3%	39.6%	40.7%	40.9%	42.3%	42.3%
22-31 Hours	25.7%	23.8%	22.6%	22.1%	22.1%	23.3%	21.2%	22.3%	21.6%	18.5%
32-41 Hours	5.4%	4.6%	4.4%	3.8%	3.8%	4.1%	4.1%	3.8%	4.3%	3.5%
42+ Hours	0.8%	1.0%	0.8%	0.7%	0.6%	1.1%	1.3%	1.7%	2.2%	2.1%
Unknown	15.1%	16.6%	13.9%	14.2%	13.7%	10.8%	9.3%	7.0%	5.6%	5.2%

Source: OPTN/SRTR Data as of October 1, 2010.

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.