



 SECTION F

TRANSPLANTATION:  
PROCESS





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Table F.1  
**Renal Transplants**

by reporting source

	USRDS				UNOS					Annual facility survey				
	Cadaver	Living donor	Unk.	All	Cadaver	Living related	Living distant/unrelated	Living unknown	All	Cadaver	Living donor	Living related	Living unrelated	All
1978	2,084	980	131	3,195	.	.	.	.	.	.	.	.	.	.
1979	2,354	936	243	3,533	.	.	.	.	.	.	.	.	.	.
1980	2,618	923	226	3,767	.	.	.	.	.	.	.	.	.	.
1981	2,909	1,146	149	4,204	.	.	.	.	.	.	.	.	.	.
1982	3,440	1,576	120	5,136	.	.	.	.	.	.	.	.	.	.
1983	4,018	1,747	167	5,932	.	.	.	.	.	.	.	.	.	.
1984	4,680	1,969	148	6,797	.	.	.	.	.	.	.	.	.	.
1985	5,013	2,364	182	7,559	.	.	.	.	.	.	.	.	.	.
1986	5,811	2,923	186	8,920	.	.	.	.	.	.	.	.	.	.
1987	6,164	2,780	145	9,089	.	.	.	.	.	.	.	.	.	.
1988	7,619	1,947	102	9,668	7,232	1,631	98	82	9,043	7,115	1,817	1,761	56	8,932
1989	7,403	2,034	89	9,526	7,088	1,706	114	83	8,991	7,006	1,893	1,823	70	8,899
1990	8,086	2,215	117	10,418	7,781	1,744	132	218	9,875	7,705	2,091	2,001	90	9,796
1991	7,920	2,504	104	10,528	7,734	2,194	153	46	10,127	7,644	2,382	2,296	86	10,026
1992	7,849	2,620	119	10,588	7,696	2,243	223	69	10,231	7,579	2,536	2,391	145	10,115
1993	8,410	3,072	85	11,567	8,170	2,398	275	177	11,020	8,106	2,828	2,631	197	10,934
1994	8,383	3,010	89	11,482	8,385	2,268	323	418	11,394	8,312	3,000	2,738	262	11,312
1995	8,602	3,367	77	12,046	8,603	2,729	563	73	11,968	8,486	3,416	2,992	424	11,902
1996	8,578	3,653	77	12,308	8,571	2,706	705	235	12,217	8,495	3,703	3,084	619	12,198
1997	8,620	3,917	82	12,619	8,615	2,828	754	326	12,523	8,512	3,915	3,210	705	12,427
1998	8,993	4,329	105	13,427	8,989	2,717	924	679	13,309	8,752	4,520	3,453	1,067	13,272
1999	8,980	4,526	84	13,590	8,936	2,295	876	1,275	13,382	8,839	4,644	3,583	1,061	13,483

Table F.2  
**Renal Transplants: Recipients Aged < 20**

by gender, race, donor type, number of transplants, and number of transplants by donor type

		1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	All
Male		535	539	515	461	518	538	536	547	480	461	527	5,657
Female		395	374	352	322	376	359	367	319	336	341	402	3,943
White		676	682	642	583	660	591	599	597	579	558	672	6,839
Black		196	169	164	140	159	243	236	196	160	170	192	2,025
Native American		*	*	20	13	14	15	13	*	*	*	*	129
Asian		34	29	28	31	32	22	32	30	29	25	19	311
Other/unknown		15	26	13	16	29	26	23	33	40	39	36	296
Hispanic		.	.	.	.	.	.	.	139	121	110	129	6,187
Non-Hispanic		.	.	.	.	.	.	.	727	695	692	800	499
													2,914
Cadaver		523	507	410	383	399	489	434	391	349	358	441	4,684
Living		388	388	446	390	480	393	452	460	446	433	475	4,751
Unknown		19	18	11	*	15	15	17	15	21	11	13	165
1st transplant		776	760	732	670	789	754	775	755	725	697	819	8,252
2nd transplant		135	131	115	91	91	121	107	91	76	87	85	1,130
3rd transplant		16	20	17	20	12	20	15	17	13	17	24	191
4th transplant		*	*	*	*	*	*	*	*	*	*	*	22
5th transplant		.	.	.	*	*	*	.	*	*	.	.	*
Cadaver	first transplant	400	382	312	303	327	380	344	314	293	279	359	3,693
	transplant 2+	123	125	98	80	72	109	90	77	56	79	82	991
Living	first transplant	362	364	410	360	451	365	419	430	413	408	448	4,430
	transplant 2+	26	24	36	30	29	28	33	30	33	25	27	321
Unknown	first transplant	14	14	*	*	11	*	12	11	19	*	12	129
	transplant 2+	*	*	*	*	*	*	*	*	*	*	*	36
All		930	913	867	783	894	897	903	866	816	802	929	9,600

\*Values for cells with fewer than 10 patients are suppressed.

." Zero patients in this cell.

USRDS counts include non-Medicare patients.



Table F.3

**Renal Transplants**

by gender, race, age, &amp; number of transplants

<b>ALL PATIENTS</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>All</b>
0-17	735	721	683	617	733	685	727	719	692	670	741	7,723
18-29	1,886	1,962	1,894	1,755	1,878	1,762	1,704	1,634	1,600	1,594	1,630	19,299
30-44	3,633	4,008	4,068	4,060	4,259	4,224	4,338	4,228	4,225	4,542	4,301	45,886
45-59	2,591	2,891	2,936	3,097	3,495	3,617	3,859	4,146	4,434	4,725	4,848	40,639
60+	681	834	946	1,059	1,201	1,193	1,418	1,578	1,667	1,892	2,067	14,536
Male	5,740	6,204	6,306	6,242	6,919	6,909	7,326	7,321	7,541	7,930	8,083	76,521
Female	3,786	4,212	4,221	4,346	4,647	4,572	4,720	4,984	5,077	5,493	5,504	51,562
White	6,960	7,608	7,709	7,649	8,422	7,841	8,364	8,478	8,772	9,417	9,476	90,696
Black	1,994	2,162	2,193	2,253	2,466	2,903	2,989	3,022	2,942	3,028	3,076	29,028
Native American	131	116	133	135	135	152	145	153	142	139	173	1,554
Asian	307	358	350	415	392	440	426	463	516	538	535	4,740
Other/unknown	134	172	142	136	151	145	122	189	246	301	327	2,065
Hispanic	.	.	.	.	.	.	.	1,239	1,280	1,460	1,348	5,327
Non-Hispanic	.	.	.	.	.	.	.	11,066	11,338	11,963	12,239	46,606
1st transplant	8,325	9,057	9,186	9,283	10,286	10,121	10,593	10,910	11,211	11,898	12,016	112,886
2nd transplant	1,052	1,165	1,162	1,115	1,125	1,184	1,260	1,180	1,211	1,298	1,325	13,077
3rd transplant	128	170	162	171	136	152	161	188	172	194	214	1,848
4th transplant	19	21	16	17	17	18	27	22	20	30	28	235
5th transplant	*	*	*	*	*	*	*	*	*	*	*	35
6th transplant	.	*	.	.	.	.	.	.	.	.	.	*
7th transplant	.	.	.	.	.	*	.	.	.	.	.	.
All	9,526	10,416	10,527	10,588	11,566	11,481	12,046	12,305	12,618	13,423	13,587	128,083
<b>CADAVER DONOR</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>All</b>
0-17	391	388	303	288	312	369	330	331	308	292	350	3,662
18-29	1,299	1,314	1,226	1,118	1,146	1,034	1,066	916	869	849	837	11,674
30-44	2,876	3,135	3,099	3,037	3,149	3,080	3,089	2,959	2,876	3,010	2,876	33,186
45-59	2,229	2,494	2,440	2,504	2,782	2,875	2,966	3,110	3,277	3,386	3,360	31,423
60+	608	754	851	902	1,020	1,024	1,151	1,260	1,289	1,454	1,556	11,869
Male	4,501	4,897	4,812	4,694	5,061	5,125	5,349	5,166	5,199	5,408	5,392	55,604
Female	2,902	3,188	3,107	3,155	3,348	3,257	3,253	3,410	3,420	3,583	3,587	36,210
White	5,240	5,688	5,604	5,481	5,950	5,561	5,768	5,668	5,684	5,954	5,894	62,492
Black	1,697	1,878	1,822	1,848	1,969	2,295	2,355	2,339	2,327	2,365	2,363	23,258
Native American	103	82	96	101	98	108	99	108	93	104	116	1,108
Asian	262	305	292	332	299	320	313	366	399	402	398	3,688
Other/unknown	101	132	105	87	93	98	67	95	116	166	208	1,268
Hispanic	.	.	.	.	.	.	.	827	825	967	946	3,565
Non-Hispanic	.	.	.	.	.	.	.	7,749	7,794	8,024	8,033	31,600
1st transplant	6,368	6,910	6,810	6,768	7,402	7,309	7,466	7,511	7,551	7,866	7,843	79,804
2nd transplant	898	1,003	960	914	885	935	973	901	912	951	955	10,287
3rd transplant	118	151	134	151	108	117	134	142	134	145	161	1,495
4th transplant	17	18	14	14	13	17	24	18	19	26	17	197
5th transplant	*	*	*	*	*	*	*	*	*	*	*	30
6th transplant	.	*	.	.	.	.	.	.	.	.	.	*
7th transplant	.	.	.	.	.	.	.	.	.	.	.	.
All	7,403	8,085	7,919	7,849	8,409	8,382	8,602	8,576	8,619	8,991	8,979	91,814

\*Values for cells with fewer than 10 patients are suppressed.

." Zero patients in this cell.

Table F.3 (continued)

**Renal Transplants**

by gender, race, age, &amp; number of transplants

<b>LIVING DONOR</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>All</b>
0-17	327	318	370	323	408	302	382	373	364	369	379	3,915
18-29	572	623	642	611	716	714	629	708	718	724	779	7,436
30-44	731	827	934	981	1,080	1,110	1,218	1,248	1,328	1,499	1,402	12,358
45-59	341	377	469	560	693	721	879	1,015	1,135	1,304	1,464	8,958
60+	63	69	89	145	175	163	259	308	372	431	500	2,574
Male	1,190	1,247	1,433	1,480	1,803	1,732	1,926	2,109	2,285	2,470	2,640	20,315
Female	844	967	1,071	1,140	1,269	1,278	1,441	1,543	1,632	1,857	1,884	14,926
White	1,674	1,840	2,037	2,093	2,422	2,233	2,553	2,755	3,028	3,397	3,513	27,545
Black	262	254	341	369	471	576	612	666	607	636	706	5,500
Native American	26	31	34	32	35	43	45	45	48	35	57	431
Asian	42	49	56	79	88	115	110	95	113	129	135	1,011
Other/unknown	30	40	36	47	56	43	47	91	121	130	113	754
Hispanic	.	.	.	.	.	.	.	412	455	493	402	1,762
Non-Hispanic	.	.	.	.	.	.	.	3,240	3,462	3,834	4,122	14,658
1st transplant	1,897	2,061	2,302	2,431	2,828	2,754	3,084	3,348	3,602	3,955	4,106	32,368
2nd transplant	126	136	178	171	217	224	256	262	279	322	357	2,528
3rd transplant	*	14	22	15	23	30	24	39	34	46	49	305
4th transplant	*	*	*	*	*	.	*	*	*	*	11	35
5th transplant	.	.	.	.	*	*	.	.	*	.	*	*
6th transplant	.	.	.	.	.	.	.	.	.	.	.	*
7th transplant	.	.	.	.	.	*	.	.	.	.	.	.
All	2,034	2,214	2,504	2,620	3,072	3,010	3,367	3,652	3,917	4,327	4,524	35,241
<b>OTHER/UNK. DONOR TYPE</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>All</b>
0-17	17	15	*	*	13	14	15	15	20	*	12	146
18-29	15	25	26	26	16	14	*	*	13	21	14	189
30-44	26	46	35	42	30	34	31	21	21	33	23	342
45-59	21	20	27	33	20	21	14	21	22	35	24	258
60+	*	11	*	12	*	*	*	*	*	*	11	93
Male	49	60	61	68	55	52	51	46	57	52	51	602
Female	40	57	43	51	30	37	26	31	25	53	33	426
White	46	80	68	75	50	47	43	55	60	66	69	659
Black	35	30	30	36	26	32	22	17	*	27	*	270
Native American	*	*	*	*	*	*	*	.	*	.	.	15
Asian	*	*	*	*	*	*	*	*	*	*	*	41
Other/unknown	*	.	*	*	*	*	*	*	*	*	*	43
Hispanic	.	.	.	.	.	.	.	.	.	.	.	348
Non-Hispanic	.	.	.	.	.	.	.	77	82	105	84	
1st transplant	60	86	74	84	56	58	43	51	58	77	67	714
2nd transplant	28	26	24	30	23	25	31	17	20	25	13	262
3rd transplant	*	*	*	*	*	*	*	*	*	*	*	48
4th transplant	.	.	.	.	*	*	.	*	.	.	.	*
5th transplant	.	.	.	.	.	.	.	*	.	.	.	*
6th transplant	.	.	.	.	.	.	.	.	.	.	.	.
7th transplant	.	.	.	.	.	.	.	.	.	.	.	.
All	89	117	104	119	85	89	77	77	82	105	84	1,028

\*Values for cells with fewer than 10 patients are suppressed.

." Zero patients in this cell.



Table F.4  
**Functioning Grafts at Year End**  
*by age of graft (years); all donors since 1979*

TOTAL PATIENTS	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-<1	7,365	8,113	8,524	8,545	9,219	9,488	9,621	10,183	10,421	10,948	10,124
1-<2	6,403	6,706	7,401	7,902	7,944	8,461	8,473	8,998	9,529	9,806	10,429
2-<3	5,756	5,917	6,252	6,913	7,418	7,405	7,731	7,943	8,489	8,987	9,334
3-<4	5,291	5,310	5,497	5,826	6,442	6,878	6,800	7,159	7,392	7,924	8,454
4-<5	4,008	4,866	4,891	5,068	5,393	5,961	6,314	6,268	6,672	6,852	7,406
5-<6	3,185	3,668	4,485	4,551	4,689	5,005	5,478	5,809	5,756	6,163	6,348
6-<7	2,462	2,933	3,383	4,133	4,231	4,318	4,606	5,010	5,347	5,232	5,692
7-<8	1,968	2,288	2,711	3,113	3,804	3,821	3,939	4,247	4,616	4,912	4,803
8-<9	1,497	1,831	2,135	2,505	2,856	3,502	3,522	3,588	3,858	4,229	4,490
9-<10	1,186	1,396	1,713	1,994	2,279	2,585	3,193	3,200	3,289	3,518	3,852
10-<11	992	1,112	1,296	1,600	1,859	2,068	2,354	2,912	2,929	2,997	3,245
11-<12	.	936	1,043	1,222	1,504	1,715	1,882	2,139	2,640	2,644	2,695
12-<13	.	.	886	967	1,149	1,394	1,580	1,725	1,963	2,414	2,404
13-<14	.	.	.	837	901	1,081	1,296	1,476	1,613	1,808	2,204
14-<15	.	.	.	.	783	854	994	1,220	1,365	1,492	1,654
15-<16	.	.	.	.	.	733	797	945	1,155	1,269	1,371
16-<17	.	.	.	.	.	.	695	761	894	1,084	1,180
17-<18	.	.	.	.	.	.	.	648	721	844	1,016
18-<19	.	.	.	.	.	.	.	.	616	684	785
19-<20	.	.	.	.	.	.	.	.	.	576	638
20-<21	.	.	.	.	.	.	.	.	.	.	539
All	40,113	45,076	50,217	55,176	60,471	65,269	69,275	74,231	79,265	84,383	88,663
<b>PERCENT DISTRIBUTION</b>											
0-<1	18.4%	18.0%	17.0%	15.5%	15.3%	14.5%	13.9%	13.7%	13.2%	13.0%	11.4%
1-<2	16.0%	14.9%	14.7%	14.3%	13.1%	13.0%	12.2%	12.1%	12.0%	11.6%	11.8%
2-<3	14.4%	13.1%	12.5%	12.5%	12.3%	11.4%	11.2%	10.7%	10.7%	10.7%	10.5%
3-<4	13.2%	11.8%	11.0%	10.6%	10.7%	10.5%	9.8%	9.6%	9.3%	9.4%	9.5%
4-<5	10.0%	10.8%	9.7%	9.2%	8.9%	9.1%	9.1%	8.4%	8.4%	8.1%	8.4%
5-<6	7.9%	8.1%	8.9%	8.3%	7.8%	7.7%	7.9%	7.8%	7.3%	7.3%	7.2%
6-<7	6.1%	6.5%	6.7%	7.5%	7.0%	6.6%	6.7%	6.8%	6.8%	6.2%	6.4%
7-<8	4.9%	5.1%	5.4%	5.6%	6.3%	5.9%	5.7%	5.7%	5.8%	5.8%	5.4%
8-<9	3.7%	4.1%	4.3%	4.5%	4.7%	5.4%	5.1%	4.8%	4.9%	5.0%	5.1%
9-<10	3.0%	3.1%	3.4%	3.6%	3.8%	4.0%	4.6%	4.3%	4.2%	4.2%	4.3%
10-<11	2.5%	2.5%	2.6%	2.9%	3.1%	3.2%	3.4%	3.9%	3.7%	3.6%	3.7%
11-<12	.	2.1%	2.1%	2.2%	2.5%	2.6%	2.7%	2.9%	3.3%	3.1%	3.0%
12-<13	.	.	1.8%	1.8%	1.9%	2.1%	2.3%	2.3%	2.5%	2.9%	2.7%
13-<14	.	.	.	1.5%	1.5%	1.7%	1.9%	2.0%	2.0%	2.1%	2.5%
14-<15	.	.	.	.	1.3%	1.3%	1.4%	1.6%	1.7%	1.8%	1.9%
15-<16	.	.	.	.	.	1.1%	1.2%	1.3%	1.5%	1.5%	1.6%
16-<17	.	.	.	.	.	.	1.0%	1.0%	1.1%	1.3%	1.3%
17-<18	.	.	.	.	.	.	.	0.9%	0.9%	1.0%	1.2%
18-<19	.	.	.	.	.	.	.	.	0.8%	0.8%	0.9%
19-<20	.	.	.	.	.	.	.	.	.	0.7%	0.7%
20-<21	.	.	.	.	.	.	.	.	.	.	0.6%
All	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

." Zero patients in this cell.

Note: 14,394 transplant events from non-Medicare patients were eliminated from this table due to lack of follow up information.



Table F.5  
**Renal Transplants**  
*by donor type & primary diagnosis*

Donor type	Disease group	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Cadaver	Diabetes	1,473	1,609	1,714	1,720	2,069	2,078	2,168	2,259	2,354	2,540	2,513
	Hypertension	1,029	1,226	1,195	1,284	1,326	1,489	1,468	1,464	1,450	1,471	1,431
	Glomerulonephritis	1,721	1,933	1,891	1,840	1,781	1,863	1,932	1,885	1,890	2,032	1,962
	Cystic kidney	548	640	608	658	665	596	716	686	729	705	723
	Other urologic	80	103	127	99	160	130	130	148	146	194	168
	Other cause	1,051	1,079	1,002	1,003	1,009	1,012	1,047	1,041	1,023	1,095	1,077
	Unknown cause	331	355	339	335	351	376	326	312	355	327	326
	Missing cause	1,170	1,141	1,044	910	1,049	839	815	783	673	629	780
All		7,403	8,086	7,920	7,849	8,410	8,383	8,602	8,578	8,620	8,993	8,980
Living	Diabetes	351	399	482	463	543	578	616	733	744	895	865
	Hypertension	170	168	235	302	344	389	409	438	463	496	497
	Glomerulonephritis	555	609	646	689	752	817	932	1,024	1,144	1,191	1,175
	Cystic kidney	75	98	113	130	141	147	209	229	257	334	308
	Other urologic	38	48	69	78	96	84	105	123	133	124	137
	Other cause	380	391	427	423	502	462	575	652	711	756	751
	Unknown cause	83	102	101	129	167	146	147	162	174	206	162
	Missing cause	382	400	431	406	527	387	374	292	291	327	631
All		2,034	2,215	2,504	2,620	3,072	3,010	3,367	3,653	3,917	4,329	4,526
Total	Diabetes	1,824	2,008	2,196	2,183	2,612	2,656	2,784	2,992	3,098	3,435	3,378
	Hypertension	1,199	1,394	1,430	1,586	1,670	1,878	1,877	1,902	1,913	1,967	1,928
	Glomerulonephritis	2,276	2,542	2,537	2,529	2,533	2,680	2,864	2,909	3,034	3,223	3,137
	Cystic kidney	623	738	721	788	806	743	925	915	986	1,039	1,031
	Other urologic	118	151	196	177	256	214	235	271	279	318	305
	Other cause	1,431	1,470	1,429	1,426	1,511	1,474	1,622	1,693	1,734	1,851	1,828
	Unknown cause	414	457	440	464	518	522	473	474	529	533	488
	Missing cause	1,552	1,541	1,475	1,316	1,576	1,226	1,189	1,075	964	956	1,411
All		9,437	10,301	10,424	10,469	11,482	11,393	11,969	12,231	12,537	13,322	13,506



Table F.6  
**Renal Transplants**

1999, by state

	<b>Cadaver</b>	<b>Living</b>	<b>Other/Unk.</b>	<b>All</b>
Alabama	117	86	.	203
Alaska	*	11	.	21
Arizona	131	83	.	214
Arkansas	59	52	.	111
California	949	377	12	1,338
Colorado	107	55	*	163
Connecticut	64	73	.	137
Delaware	39	15	.	54
District Of Columbia	25	23	.	48
Florida	533	192	*	729
Georgia	227	70	*	300
Hawaii	50	12	.	62
Idaho	33	26	.	59
Illinois	463	188	*	658
Indiana	154	67	.	221
Iowa	89	81	.	170
Kansas	68	36	.	104
Kentucky	129	48	*	178
Louisiana	139	50	.	189
Maine	35	23	.	58
Maryland	255	199	*	459
Massachusetts	166	104	*	271
Michigan	288	230	*	522
Minnesota	137	170	*	312
Mississippi	99	28	.	127
Missouri	209	87	*	301
Montana	20	19	.	39
Nebraska	43	43	.	86
Nevada	50	30	*	81
New Hampshire	14	17	.	31
New Jersey	293	172	*	466
New Mexico	43	26	*	71
New York	599	294	*	899
North Carolina	191	130	*	323
North Dakota	18	22	*	41
Ohio	397	150	*	548
Oklahoma	109	35	*	145
Oregon	89	42	*	133
Pennsylvania	597	139	*	740
Puerto Rico	48	38	.	86
Rhode Island	25	21	.	46
South Carolina	152	65	.	217
South Dakota	32	14	.	46
Tennessee	180	92	.	272
Texas	711	212	11	934
Utah	60	54	.	114
Vermont	20	*	*	28
Virgin Islands	*	*	.	*
Virginia	216	153	*	370
Washington	154	97	*	253
West Virginia	78	40	.	118
Wisconsin	194	107	.	301
Wyoming	*	*	.	14
Guam	.	*	.	*
Unknown	67	109	.	176
All	8,980	4,526	84	13,590

\*Values for cells with fewer than 10 patients are suppressed.

." Zero patients in this cell.

On our website: transplants by gender, race, and age (Table F.a), and by year, age, and donor type (Table F.b).

Table F.7  
**Renal Transplants**

1997-1999, by race & age

	White	Black	Nat. Amer.	Asian	Unknown	Other	All
0-17	1,507	414	24	56	*	90	2,103
18-29	3,165	1,242	48	210	18	135	4,824
30-44	9,237	2,935	116	508	19	233	13,068
45-59	9,665	3,302	204	593	27	202	14,007
60+	4,091	1,153	62	222	*	87	5,626
All	27,665	9,046	454	1,589	82	747	39,628

Table F.8  
**Renal Transplants**

1997-1999, by donor & recipient age at transplant

Donor age	Recipient age	First transplant		Transplant 2+		All transplants		All
		Cadaver	Living	Cadaver	Living	Cadaver	Living	
0-17	0-17	243	20	52	.	295	20	315
	18-29	492	12	83	.	575	12	587
	30-44	1,413	*	252	*	1,665	11	1,676
	45-59	1,516	16	171	.	1,687	16	1,703
	60+	519	*	25	*	544	*	546
18-29	0-17	217	180	45	*	262	189	451
	18-29	534	557	115	77	649	634	1,283
	30-44	1,892	519	367	69	2,259	588	2,847
	45-59	1,893	615	221	53	2,114	668	2,782
	60+	696	101	40	*	736	104	840
30-44	0-17	173	530	43	39	216	569	785
	18-29	523	492	131	65	654	557	1,211
	30-44	1,876	1,890	331	249	2,207	2,139	4,346
	45-59	2,135	1,155	286	69	2,421	1,224	3,645
	60+	897	587	44	13	941	600	1,541
45-59	0-17	102	151	24	*	126	156	282
	18-29	386	597	101	69	487	666	1,153
	30-44	1,547	597	384	68	1,931	665	2,596
	45-59	2,272	1,197	258	74	2,530	1,271	3,801
	60+	1,117	263	59	*	1,176	267	1,443
60+	0-17	*	*	*	.	*	*	15
	18-29	61	24	17	*	78	26	104
	30-44	274	111	64	23	338	134	472
	45-59	795	63	54	*	849	70	919
	60+	696	123	13	*	709	128	837
Unknown	0-17	36	161	*	*	43	171	214
	18-29	94	292	18	34	112	326	438
	30-44	289	594	73	98	362	692	1,054
	45-59	380	603	42	51	422	654	1,076
	60+	186	196	*	*	193	202	395
All		23,260	11,663	3,329	1,105	26,589	12,768	39,357

\*Values for cells with fewer than 10 patients are suppressed.

." Zero patients in this cell.

Table F.8: 8 transplant events were eliminated due to unknown recipient age.

On our website: transplants by donor type, race, and age (Table F.c); by donor type, donor race, and recipient race (Table F.d); and by donor type, gender, and race (Table F.e).

Table F.9  
**Renal Transplants: Recipients Aged < 18**

1995-1999, by donor & recipient age at transplant+

Donor age	Recipient age	First transplant		Transplant 2+		All transplants		All
		Cadaver	Living	Cadaver	Living	Cadaver	Living	
0-1	0-1	*	.	.	.	*	.	*
	2-5	*	*	.	.	*	*	*
	6-10	*	.	*	.	*	.	*
	11-17	*	*	*	.	*	*	12
2-5	0-1	*	.	.	.	*	.	*
	2-5	*	*	*	.	13	*	14
	6-10	13	.	*	.	16	.	16
	11-17	24	*	*	.	27	*	29
6-10	0-1	*	.	.	.	*	.	*
	2-5	19	.	*	.	21	.	21
	6-10	29	*	*	.	33	*	38
	11-17	66	.	19	.	85	.	85
11-17	0-1	*	*	.	.	*	*	43
	2-5	40	*	*	.	42	*	67
	6-10	50	*	16	.	66	*	185
	11-17	142	13	30	.	172	13	.
18+	0-1	19	132	*	.	20	132	152
	2-5	114	225	*	13	122	238	360
	6-10	176	308	35	21	211	329	540
	11-17	534	881	163	64	697	945	1,642
All		1,266	1,574	295	98	1,561	1,672	3,233

Table F.10  
**Source of Cadaveric Kidneys**

COUNTS Organ placed by	First transplant					Transplant 2+					All
	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999	
Zero-Antigen Mismatch	62	865	897	969	727	.	21	24	29	27	3,621
Payback	548	382	335	367	287	*	*	*	*	*	1,946
Local	6,118	6,222	6,203	6,307	5,067	16	54	75	127	98	30,287
Regional	913	70	.	.	.	*	.	.	.	.	988
Unknown	29	106	227	220	1,761	*	.	*	*	32	2,378
All	7,670	7,645	7,662	7,863	7,842	24	79	108	162	165	39,220
PERCENTAGES Organ placed by	First transplant					Transplant 2+					All
	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999	
Zero-Antigen Mismatch	0.8%	11.3%	11.7%	12.3%	9.3%	.	26.6%	22.2%	17.9%	16.4%	9.2%
Payback	7.1%	5.0%	4.4%	4.7%	3.7%	*	*	*	*	*	5.0%
Local	79.8%	81.4%	81.0%	80.2%	64.6%	66.7%	68.4%	69.4%	78.4%	59.4%	77.2%
Regional	11.9%	0.9%	.	.	.	*	.	.	.	.	2.5%
Unknown	0.4%	1.4%	3.0%	2.8%	22.5%	*	.	*	*	19.4%	6.1%
All	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

\*Values for cells with fewer than 10 patients are suppressed.  
 ." Zero patients in this cell.

Table F.11  
**Percent Reactive Antibodies (PRA)**

CADAVER	First transplant					Transplant 2+					All
	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999	
<b>Peak PRA</b>											
< 20%	6,205	6,105	6,148	6,465	5,557	173	89	68	84	78	30,972
20%-39%	464	455	477	425	356	42	27	24	17	14	2,301
40%-59%	194	238	222	197	173	34	22	20	25	25	1,150
60% +	415	399	450	431	464	125	96	83	80	58	2,601
Missing	188	316	255	350	1,294	762	831	873	919	961	6,749
<b>Most recent PRA</b>											
< 20%	6,843	6,777	6,846	7,131	6,113	237	129	115	125	110	34,426
20%-39%	166	195	208	183	162	36	27	19	27	17	1,040
40%-59%	97	104	110	106	107	33	20	23	19	19	638
60% +	173	159	174	166	167	67	56	37	37	29	1,065
Missing	187	278	214	282	1,295	763	833	874	917	961	6,604
All	7,466	7,513	7,552	7,868	7,844	1,136	1,065	1,068	1,125	1,136	43,773
<b>LIVING DONOR</b>											
<b>Peak PRA</b>											
< 20%	2,595	2,871	3,081	3,260	2,953	54	45	43	36	40	14,978
20%-39%	131	139	153	154	117	*	*	*	*	*	722
40%-59%	55	67	60	62	46	*	*	*	*	*	309
60% +	114	82	92	81	90	*	*	*	*	*	501
Missing	189	190	216	400	902	211	235	258	320	361	3,282
<b>Most recent PRA</b>											
< 20%	2,711	3,027	3,262	3,445	3,079	59	53	50	44	44	15,774
20%-39%	85	80	84	85	62	*	*	*	*	*	420
40%-59%	40	32	24	42	27	*	*	*	.	*	177
60% +	63	30	42	40	35	*	*	*	*	*	230
Missing	185	180	190	345	905	210	235	260	320	361	3,191
All	3,084	3,349	3,602	3,957	4,108	283	304	315	372	418	19,792

\*Values for cells with fewer than 10 patients are suppressed.

." Zero patients in this cell.



Table F.12  
**Hepatitis B Surface Antigen (HBsAg) Status**  
*by donor & recipient HBsAg Status*

CADAVER Recipient HBsAg	Donor HBsAg	First transplant					Transplant 2+					All
		1995	1996	1997	1998	1999	1995	1996	1997	1998	1999	
Positive	Positive	.	.	.	.	*	.	.	.	.	.	*
	Intermediate	.	.	.	.	.	.	.	*	.	.	*
	Negative	67	71	86	118	97	11	*	17	27	14	516
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	*	*	*	.	.	.	*	.	.	*
	Missing	.	.	.	.	18	.	.	.	.	*	19
	Unknown	.	.	.	*	.	.	.	.	.	.	*
Intermediate	Positive	.	.	.	.	.	.	.	.	.	.	.
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	.	.	*	*	*	.	.	.	.	.	*
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	.	.	.	.	.	.	.	.	.	.
	Missing	.	.	.	.	.	.	.	.	.	.	.
	Unknown	.	.	.	.	.	.	.	.	.	.	.
Negative	Positive	*	.	17	38	28	.	.	*	*	*	97
	Intermediate	*	.	*	*	.	.	.	.	.	.	*
	Negative	6,720	6,675	6,474	6,569	4,492	1,021	911	889	903	627	35,281
	Cannot disclose	.	.	*	.	.	.	.	.	.	.	*
	Not done	68	58	68	64	18	*	*	*	*	*	307
	Missing	20	91	109	88	816	*	*	18	16	111	1,284
	Unknown	23	*	*	*	11	*	.	.	*	*	61
Cannot disclose	Positive	.	.	.	.	.	.	.	.	.	.	.
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	.	*	57	41	63	.	*	16	14	15	211
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	.	.	*	*	.	.	.	.	.	*
	Missing	.	.	.	.	*	.	.	.	.	*	*
	Unknown	.	.	.	.	.	.	.	.	.	.	.
Not done	Positive	.	.	*	*	*	.	.	.	.	.	*
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	304	260	223	242	253	37	62	32	40	27	1,480
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	*	.	*	*	.	*	.	.	*	*
	Missing	*	*	*	*	38	*	.	*	.	*	57
	Unknown	*	*	.	.	.	.	.	*	.	.	*
Missing	Positive	.	.	*	*	*	.	.	.	.	.	*
	Intermediate	.	.	.	*	.	.	.	.	.	.	*
	Negative	52	136	234	423	1,345	*	33	37	70	225	2,564
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	*	*	*	*	*	*	*	*	*	25
	Missing	*	*	*	13	408	*	*	*	*	73	523
	Unknown	.	*	.	*	*	.	.	.	.	.	*
Unknown	Positive	.	.	.	*	.	.	.	.	.	.	*
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	192	191	241	238	162	34	25	39	43	20	1,185
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	*	*	*	*	*	*	*	*	*	*	*
	Missing	*	*	*	*	66	.	*	*	.	*	89
	Unknown	.	*	*	.	.	.	*	.	.	.	*

\*Values for cells with fewer than 10 patients are suppressed.  
 "." Zero patients in this cell.



Table F.12 (continued)

**Hepatitis B Surface Antigen (HBsAg) Status**

by donor &amp; recipient HBsAg Status

LIVING DONOR Recipient HBsAg	Donor HBsAg	First transplant					Transplant 2+					All
		1995	1996	1997	1998	1999	1995	1996	1997	1998	1999	
Positive	Positive	.	*	*	*	*	.	.	.	.	.	12
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	16	30	34	47	22	*	*	*	*	*	164
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	*	*	.	*	.	.	.	.	.	*
	Missing	.	*	*	*	*	*	.	.	*	.	19
	Unknown	.	.	*	*	*	.	.	.	.	.	*
Intermediate	Positive	.	.	.	.	.	.	.	.	.	.	.
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	.	*	*	*	.	.	.	.	.	.	*
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	.	.	.	.	.	.	.	.	.	.
	Missing	.	.	.	.	.	.	.	.	.	.	.
	Unknown	.	.	.	.	.	.	.	.	.	.	.
Negative	Positive	*	*	15	16	*	.	*	*	.	.	51
	Intermediate	.	*	.	.	*	.	*	.	.	.	*
	Negative	2,724	2,803	2,960	2,991	2,335	241	242	251	278	225	15,050
	Cannot disclose	*	*	.	*	.	.	.	.	.	.	*
	Not done	31	60	72	64	104	*	*	*	*	*	353
	Missing	16	98	103	253	384	*	11	12	24	46	948
	Unknown	16	20	32	42	75	*	*	*	*	*	200
Cannot disclose	Positive	.	.	.	.	.	.	.	.	.	.	.
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	*	.	.	.	*	.	.	.	.	.	*
	Cannot disclose	*	*	15	*	*	.	.	*	*	.	30
	Not done	.	.	*	.	.	.	.	.	.	.	*
	Missing	.	.	.	*	22	.	.	.	.	*	31
	Unknown	.	*	.	.	.	.	.	.	.	.	*
Not done	Positive	.	.	.	*	*	.	.	.	.	.	*
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	74	53	69	77	96	*	*	*	12	*	401
	Cannot disclose	12	11	.	*	*	*	*	*	*	*	33
	Not done	*	15	13	23	16	*	*	*	*	*	83
	Missing	*	*	*	16	36	.	*	.	.	*	63
	Unknown	*	*	*	*	*	.	.	*	.	.	18
Missing	Positive	.	.	*	*	.	.	.	.	.	.	*
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	11	43	49	92	208	*	*	11	*	32	459
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	*	.	31	*	*	*	.	*	*	*	53
	Missing	41	72	92	185	658	*	*	13	17	66	1,155
	Unknown	*	*	*	*	*	.	*	.	*	*	22
Unknown	Positive	.	.	.	.	*	.	.	.	.	.	*
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	85	86	62	67	36	*	13	*	*	*	378
	Cannot disclose	*	*	.	.	.	*	.	.	.	.	*
	Not done	*	*	*	*	*	*	.	*	*	*	27
	Missing	*	*	*	34	43	.	*	*	*	*	101
	Unknown	22	20	22	*	24	*	*	*	.	*	98

\*Values for cells with fewer than 10 patients are suppressed.

"." Zero patients in this cell.

Table F.13  
**Cytomegalovirus (CMV) Antibody Status**  
*by donor & recipient CMV status*

CADAVER Recipient CMV	Donor CMV	First transplant					Transplant 2+					All
		1995	1996	1997	1998	1999	1995	1996	1997	1998	1999	
Positive	Positive	2,493	2,537	2,524	2,479	1,141	436	410	373	382	160	12,935
	Intermediate	.	*	*	*	.	.	*	*	*	.	13
	Negative	1,666	1,582	1,478	1,456	608	281	236	251	238	113	7,909
	Cannot disclose	*	.	.	.	.	.	.	.	.	.	*
	Not done	*	12	37	48	*	*	*	*	*	*	131
	Missing	13	45	68	49	69	*	*	16	*	*	290
	Unknown	20	*	*	*	*	*	.	*	*	.	46
Intermediate	Positive	*	*	*	*	*	*	.	.	*	.	25
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	*	*	*	*	.	.	.	.	.	.	*
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	.	.	.	.	.	.	.	.	.	.
	Missing	.	.	.	.	.	.	.	.	.	.	.
	Unknown	.	.	.	.	.	.	.	.	.	.	.
Negative	Positive	1,551	1,512	1,358	1,407	595	189	161	153	156	65	7,147
	Intermediate	.	*	.	*	*	.	.	.	*	.	11
	Negative	1,159	1,085	1,087	1,015	404	135	126	115	107	53	5,286
	Cannot disclose	*	.	.	.	.	.	.	.	.	.	*
	Not done	*	*	31	25	*	.	*	*	*	*	79
	Missing	*	44	36	33	45	*	*	*	*	*	179
	Unknown	*	*	*	*	*	*	.	.	*	.	17
Cannot disclose	Positive	.	*	*	*	.	.	.	.	.	*	*
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	.	.	.	*	*	.	.	.	.	.	*
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	.	.	.	.	.	.	.	.	.	.
	Missing	.	.	.	.	.	.	.	.	.	.	.
	Unknown	.	.	.	.	.	.	.	.	.	.	.
Not done	Positive	127	86	104	75	28	11	25	13	17	*	490
	Intermediate	.	.	.	*	.	.	.	.	.	.	*
	Negative	92	68	80	50	21	18	17	15	13	*	376
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	.	*	*	.	.	.	.	.	.	*
	Missing	*	*	*	*	.	*	.	.	.	*	12
	Unknown	*	.	.	.	.	.	.	*	.	.	*
Missing	Positive	49	184	321	609	2,242	*	27	54	97	316	3,908
	Intermediate	.	*	.	.	.	.	.	.	.	.	*
	Negative	26	106	180	343	1,307	*	21	26	54	208	2,277
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	*	18	21	*	.	.	*	.	*	54
	Missing	*	13	17	21	1,229	*	*	*	*	185	1,481
	Unknown	.	*	.	*	*	.	*	.	.	*	11
Unknown	Positive	131	117	110	123	72	20	16	15	16	*	626
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	90	88	70	70	35	15	*	*	15	*	401
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	*	.	*	*	.	.	.	*	.	.	15
	Missing	.	*	*	*	11	.	.	.	*	*	19
	Unknown	*	*	*	*	.	.	.	.	.	.	*

\*Values for cells with fewer than 10 patients are suppressed.  
 "." Zero patients in this cell.



Table F.13 (continued)

**Cytomegalovirus (CMV) Antibody Status**

by donor &amp; recipient CMV status

LIVING DONOR		First transplant					Transplant 2+					All
Recipient CMV	Donor CMV	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999	
Positive	Positive	2,493	2,537	2,524	2,479	1,141	436	410	373	382	160	12,935
	Intermediate	.	*	*	*	.	.	*	*	*	.	13
	Negative	1,666	1,582	1,478	1,456	608	281	236	251	238	113	7,909
	Cannot disclose	*	.	.	.	.	.	.	.	.	.	*
	Not done	*	12	37	48	*	*	*	*	*	*	131
	Missing	13	45	68	49	69	*	*	16	*	*	290
	Unknown	20	*	*	*	*	*	.	*	*	.	46
Intermediate	Positive	*	*	*	*	*	*	.	.	*	.	25
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	*	*	*	*	.	.	*	.	.	.	*
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	.	.	.	.	.	.	.	.	.	.
	Missing	.	.	.	.	.	.	.	.	.	.	.
	Unknown	.	.	.	.	.	.	.	.	.	.	.
Negative	Positive	1,551	1,512	1,358	1,407	595	189	161	153	156	65	7,147
	Intermediate	.	*	.	*	*	.	.	.	*	.	11
	Negative	1,159	1,085	1,087	1,015	404	135	126	115	107	53	5,286
	Cannot disclose	*	.	.	.	.	.	.	.	.	.	*
	Not done	*	*	31	25	*	.	*	*	*	*	79
	Missing	*	44	36	33	45	*	*	*	*	*	179
	Unknown	*	*	*	*	*	*	.	.	*	.	17
Cannot disclose	Positive	.	*	*	*	.	.	.	.	.	*	*
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	.	.	.	*	*	.	.	.	.	.	*
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	.	.	.	.	.	.	.	.	.	.
	Missing	.	.	.	.	.	.	.	.	.	.	.
	Unknown	.	.	.	.	.	.	.	.	.	.	.
Not done	Positive	127	86	104	75	28	11	25	13	17	*	490
	Intermediate	.	.	.	*	.	.	.	.	.	.	*
	Negative	92	68	80	50	21	18	17	15	13	*	376
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	.	*	*	.	.	.	.	.	.	*
	Missing	*	*	*	*	.	*	.	.	.	*	12
	Unknown	*	.	.	.	.	.	.	*	.	.	*
Missing	Positive	49	184	321	609	2,242	*	27	54	97	316	3,908
	Intermediate	.	*	.	.	.	.	.	.	.	.	*
	Negative	26	106	180	343	1,307	*	21	26	54	208	2,277
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	.	*	18	21	*	.	.	*	.	*	54
	Missing	*	13	17	21	1,229	*	*	*	*	185	1,481
	Unknown	.	*	.	*	*	.	*	.	.	*	11
Unknown	Positive	131	117	110	123	72	20	16	15	16	*	626
	Intermediate	.	.	.	.	.	.	.	.	.	.	.
	Negative	90	88	70	70	35	15	*	*	15	*	401
	Cannot disclose	.	.	.	.	.	.	.	.	.	.	.
	Not done	*	.	*	*	.	.	.	*	.	.	15
	Missing	.	*	*	*	11	.	.	.	*	*	19
	Unknown	*	*	*	*	.	.	.	.	.	.	*

\*Values for cells with fewer than 10 patients are suppressed.

." Zero patients in this cell.

Table F.14

**Warm Ischemia Time (minutes)**

by number of transplants

		Cadaver					Living				
		1995	1996	1997	1998	1999	1995	1996	1997	1998	1999
First transplant	Mean	21.4	22.5	23.8	24.1	24.2	19.3	19.0	19.8	19.3	17.9
	First quartile	.	.	.	.	.	.	.	.	.	.
	Median	21	25	29	28	29	20	20	20	22	15
	Third quartile	36	37	38	38	39	34	34	33	32	30
	Minimum	.	.	.	.	.	.	.	.	.	.
	Maximum	99	99	99	99	117	99	99	99	99	99
	N	6,716	6,546	5,879	6,050	4,132	2,597	2,797	2,802	2,977	2,241
	NA/Missing	750	967	1,673	1,818	3,712	487	552	800	980	1,867
	Total obs (N+NA)	7,466	7,513	7,552	7,868	7,844	3,084	3,349	3,602	3,957	4,108
Transplant 2+	Mean	21.3	22.8	23.6	23.5	24.2	20.3	19.8	19.0	20.1	18.5
	First quartile	.	.	.	.	.	.	.	.	.	1
	Median	20	28	29	29	30	20	20	20	25	20
	Third quartile	38	37	38	38	37	34	35	31	33	30
	Minimum	.	.	.	.	.	.	.	.	.	.
	Maximum	99	102	99	99	114	99	87	99	93	70
	N	1,038	912	839	866	580	231	251	228	285	212
	NA/Missing	98	153	229	259	556	52	53	87	87	206
	Tot obs (N+NA)	1,136	1,065	1,068	1,125	1,136	283	304	315	372	418

Table F.15

**Cold Ischemia Time (hours): Cadaveric Transplants**

by number of transplants

		1995	1996	1997	1998	1999
		First transplant	Mean	20.7	20.4	19.7
	First quartile	15.0	14.0	14.0	14.0	13.0
	Median	20.0	20.0	19.0	19.0	18.0
	Third quartile	26.0	26.0	24.1	25.0	24.0
	Minimum	0.1	0.3	0.2	0.2	0.2
	Maximum	72.0	91.0	63.0	99.0	52.0
	N	7,295	7,223	7,034	6,955	5,404
	NA/Missing	171	290	518	913	2,440
	Total obs (N+NA)	7,466	7,513	7,552	7,868	7,844
Transplant 2+	Mean	21.4	21.7	21.2	20.8	19.8
	First quartile	16.0	16.0	16.0	15.0	14.0
	Median	21.0	21.0	21.0	20.0	19.0
	Third quartile	27.0	27.0	26.0	25.6	25.0
	Minimum	1.0	1.0	0.5	0.3	0.2
	Maximum	53.0	51.0	52.0	57.0	90.0
	N	1,117	1,018	976	983	738
	NA/Missing	19	47	92	142	398
	Total obs (N+NA)	1,136	1,065	1,068	1,125	1,136

." Zero patients in this cell.

On our website: transplants by recipient blood type (Table F.f).

Table F.16

**Renal Transplants**

by year of transplantation, number of transplants, &amp; donor &amp; recipient blood types

1994 FIRST TX Donor type	Donor blood type	Recipient blood type					All
		Unknown	O	A	B	AB	
Cadaver	O	101	3,286	115	56	*	3,564
	A	71	*	2,508	*	76	2,666
	B	21	.	.	775	26	822
	AB	*	*	.	*	250	255
	Unknown	.	*	*	.	.	*
Living	O	*	1,233	300	129	13	1,678
	A	*	*	767	*	40	817
	B	.	.	*	206	25	233
	AB	.	.	.	.	20	20
	Unknown	.	*	*	.	.	*
Other/unknown	O	.	.	.	.	.	.
	A	.	.	.	.	.	.
	B	.	.	.	.	.	.
	AB	.	.	.	.	.	.
	Unknown	58	.	.	.	.	58
All		258	4,539	3,696	1,173	456	10,122
<b>1994 TRANSPLANT 2+</b>							
Cadaver	O	*	470	22	15	*	511
	A	*	*	416	.	18	438
	B	*	*	.	85	*	95
	AB	*	.	.	*	25	27
	Unknown	.	*	*	.	.	*
Living	O	.	108	29	*	*	147
	A	.	*	76	.	*	84
	B	.	.	.	20	*	21
	AB	.	.	.	.	*	*
	Unknown	.	.	.	.	.	.
Other/unknown	O	.	.	.	.	.	.
	A	.	.	.	.	.	.
	B	.	.	.	.	.	.
	AB	.	.	.	.	.	.
	Unknown	31	.	.	.	.	31
All		37	585	544	129	65	1,360

\*Values for cells with fewer than 10 patients are suppressed.

"." Zero patients in this cell.



Table F.16 (continued)

**Renal Transplants**

by year of transplantation, number of transplants, &amp; donor &amp; recipient blood types

1999 FIRST TX Donor type	Donor blood type	Recipient blood type					All
		Unknown	O	A	B	AB	
Cadaver	O	295	2,969	139	89	17	3,509
	A	256	32	2,465	13	89	2,855
	B	61	*	*	794	28	892
	AB	11	*	.	*	259	273
	Unknown	30	120	112	34	19	315
Living	O	14	1,777	528	226	27	2,572
	A	*	19	1,025	*	57	1,112
	B	.	*	*	293	29	327
	AB	.	*	*	*	34	39
	Unknown	*	22	21	*	*	58
Other/unknown	O	.	.	.	.	.	.
	A	.	.	.	.	.	.
	B	.	.	.	.	.	.
	AB	.	.	.	.	.	.
	Unknown	67	.	.	.	.	67
All		746	4,947	4,300	1,464	562	12,019
<b>1999 TRANSPLANT 2+</b>							
Cadaver	O	24	415	29	14	*	483
	A	28	*	378	*	21	431
	B	*	.	.	120	*	135
	AB	*	*	.	.	31	33
	Unknown	*	21	19	*	*	54
Living	O	*	177	60	19	*	259
	A	*	*	106	*	*	119
	B	.	.	*	26	*	31
	AB	.	.	.	.	*	*
	Unknown	*	.	*	*	.	*
Other/unknown	O	.	.	.	.	.	.
	A	.	.	.	.	.	.
	B	.	.	.	.	.	.
	AB	.	.	.	.	.	.
	Unknown	17	.	.	.	.	17
All		81	620	595	192	83	1,571

\*Values for cells with fewer than 10 patients are suppressed.

"." Zero patients in this cell.

Table F.17

**Renal Transplants per 100 Patient Years on Dialysis***by transplant type & year of transplant*

ALL TRANSPLANTATIONS		Age on Dec. 31 of Transplant Year					
		0-17	18-29	30-44	45-59	60+	All
Transplant rate	1990	67.7	32.2	20.5	10.2	1.5	8.8
	1991	69.5	30.6	19.0	9.5	1.5	8.0
	1992	62.1	26.7	17.7	9.1	1.4	7.3
	1993	65.3	27.6	17.0	9.2	1.5	7.2
	1994	60.1	24.8	16.3	8.6	1.4	6.7
	1995	55.9	22.3	14.8	8.2	1.4	6.3
	1996	51.0	19.9	13.2	7.8	1.5	5.9
	1997	52.2	19.6	13.2	7.9	1.5	5.8
	1998	50.2	18.7	13.6	7.8	1.6	5.7
	1999	57.8	18.6	12.3	7.2	1.5	5.4
Transplant count	1990	560	1,735	3,749	2,777	877	9,698
	1991	590	1,695	3,749	2,844	973	9,851
	1992	548	1,530	3,770	3,033	1,081	9,962
	1993	601	1,669	3,898	3,382	1,223	10,773
	1994	577	1,579	4,004	3,503	1,257	10,920
	1995	609	1,538	4,037	3,744	1,432	11,360
	1996	618	1,493	3,916	3,994	1,635	11,656
	1997	603	1,439	3,906	4,241	1,701	11,890
	1998	574	1,402	4,130	4,481	1,923	12,510
	1999	643	1,395	3,774	4,343	1,964	12,119
Cadaveric rate	1990	36.2	21.6	16.1	8.8	1.4	6.9
	1991	31.0	19.9	14.5	7.9	1.3	6.1
	1992	28.7	16.9	13.3	7.4	1.2	5.4
	1993	27.2	16.7	12.6	7.4	1.2	5.3
	1994	30.6	14.4	12.0	6.9	1.2	4.9
	1995	25.5	13.9	10.6	6.3	1.1	4.5
	1996	23.5	10.9	9.3	5.8	1.2	4.1
	1997	23.0	10.5	9.0	5.8	1.1	3.9
	1998	21.3	9.8	9.1	5.6	1.2	3.8
	1999	26.3	9.5	8.2	5.0	1.2	3.5
Cadaveric count	1990	299	1,165	2,938	2,404	804	7,610
	1991	263	1,099	2,870	2,358	875	7,465
	1992	253	968	2,825	2,458	926	7,430
	1993	250	1,009	2,878	2,713	1,035	7,885
	1994	294	916	2,935	2,786	1,072	8,003
	1995	278	958	2,884	2,884	1,155	8,159
	1996	284	814	2,757	2,977	1,303	8,135
	1997	266	770	2,667	3,138	1,310	8,151
	1998	244	735	2,752	3,201	1,472	8,404
	1999	292	716	2,516	2,991	1,480	7,995
Living rate	1990	30.1	10.3	4.3	1.3	0.1	1.8
	1991	37.5	10.5	4.3	1.6	0.1	1.9
	1992	33.0	9.6	4.3	1.7	0.2	1.8
	1993	37.5	10.8	4.4	1.8	0.2	1.9
	1994	28.3	10.3	4.3	1.7	0.2	1.8
	1995	29.6	8.4	4.2	1.9	0.3	1.7
	1996	26.7	9.0	3.9	2.0	0.3	1.7
	1997	28.0	9.0	4.1	2.0	0.3	1.8
	1998	28.2	8.7	4.5	2.2	0.4	1.8
	1999	30.6	8.9	4.0	2.2	0.4	1.8
Living count	1990	249	555	788	359	69	2,020
	1991	318	583	858	476	95	2,330
	1992	291	553	924	551	149	2,468
	1993	345	649	999	656	184	2,833
	1994	272	653	1,049	702	183	2,859
	1995	322	576	1,138	851	273	3,160
	1996	323	672	1,146	1,004	323	3,468
	1997	323	662	1,226	1,088	388	3,687
	1998	322	656	1,362	1,254	446	4,040
	1999	340	670	1,239	1,333	477	4,059

\*Values for cells with fewer than 10 patients are suppressed.

." Zero patients in this cell.

Table F.17 (continued)

**Renal Transplants per 100 Patient Years on Dialysis***by transplant type & year of transplant*

FIRST TRANSPLANT		Age on Dec. 31 of Transplant Year					
		0-17	18-29	30-44	45-59	60+	All
Transplant rate	1990	95.0	40.0	22.8	10.4	1.4	8.5
	1991	94.8	38.2	21.0	9.6	1.4	7.8
	1992	84.4	32.5	19.6	9.3	1.4	7.1
	1993	90.5	34.0	19.0	9.5	1.5	7.1
	1994	78.0	29.8	18.1	8.9	1.3	6.6
	1995	69.6	26.4	16.2	8.3	1.4	6.1
	1996	63.2	24.0	14.5	8.0	1.5	5.8
	1997	63.1	23.1	14.1	8.0	1.5	5.6
	1998	57.6	21.4	14.6	7.8	1.5	5.5
	1999	65.3	21.6	12.9	7.2	1.5	5.2
Transplant count	1990	489	1,497	3,308	2,576	846	8,716
	1991	525	1,481	3,305	2,622	934	8,867
	1992	500	1,325	3,344	2,805	1,042	9,016
	1993	558	1,470	3,501	3,163	1,193	9,885
	1994	516	1,387	3,575	3,252	1,201	9,931
	1995	556	1,343	3,564	3,453	1,370	10,286
	1996	566	1,309	3,454	3,709	1,574	10,612
	1997	556	1,265	3,409	3,938	1,640	10,808
	1998	520	1,216	3,644	4,121	1,854	11,355
	1999	587	1,231	3,301	3,996	1,900	11,015
Cadaveric rate	1990	46.2	25.5	17.5	8.9	1.3	6.6
	1991	38.5	23.5	15.6	7.9	1.3	5.8
	1992	36.1	19.5	14.3	7.4	1.2	5.2
	1993	34.9	19.4	13.8	7.6	1.2	5.1
	1994	36.6	16.4	13.0	7.0	1.1	4.7
	1995	29.3	15.7	11.3	6.3	1.1	4.3
	1996	27.0	12.3	10.0	5.9	1.2	4.0
	1997	26.5	11.7	9.3	5.9	1.1	3.8
	1998	22.3	10.6	9.4	5.5	1.2	3.6
	1999	27.0	10.6	8.4	4.9	1.1	3.3
Cadaveric count	1990	238	954	2,538	2,208	773	6,711
	1991	213	912	2,463	2,153	840	6,581
	1992	214	793	2,449	2,247	888	6,591
	1993	215	838	2,541	2,521	1,006	7,121
	1994	242	761	2,566	2,562	1,019	7,150
	1995	234	798	2,483	2,631	1,101	7,247
	1996	242	673	2,371	2,729	1,247	7,262
	1997	233	641	2,252	2,868	1,253	7,247
	1998	201	599	2,358	2,894	1,411	7,463
	1999	243	605	2,137	2,691	1,420	7,096
Living rate	1990	46.6	14.2	5.2	1.4	0.1	1.9
	1991	54.9	14.4	5.2	1.7	0.1	2.0
	1992	47.6	12.9	5.1	1.8	0.2	1.9
	1993	54.8	14.4	5.1	1.9	0.2	2.0
	1994	39.7	13.2	5.0	1.8	0.2	1.8
	1995	39.2	10.6	4.9	2.0	0.3	1.8
	1996	34.9	11.5	4.5	2.1	0.3	1.8
	1997	35.1	11.3	4.7	2.2	0.3	1.8
	1998	34.4	10.7	5.1	2.3	0.4	1.9
	1999	37.1	10.8	4.5	2.3	0.4	1.8
Living count	1990	240	531	750	354	69	1,944
	1991	304	556	821	460	91	2,232
	1992	282	524	875	535	148	2,364
	1993	338	622	942	629	183	2,714
	1994	263	616	990	675	180	2,724
	1995	313	541	1,067	815	265	3,001
	1996	313	629	1,071	969	318	3,300
	1997	309	617	1,144	1,055	384	3,509
	1998	311	607	1,270	1,203	438	3,829
	1999	333	617	1,145	1,288	473	3,856

Table F.17 (continued)

**Renal Transplants per 100 Patient Years on Dialysis***by transplant type & year of transplant*

REPEAT TRANSPLANT		Age on Dec. 31 of Transplant Year					
		0-17	18-29	30-44	45-59	60+	All
Transplant rate	1990	22.7	14.4	11.7	8.2	5.0	11.2
	1991	22.0	12.9	11.1	8.0	5.2	10.4
	1992	16.5	12.3	10.0	7.4	4.6	9.3
	1993	14.1	11.6	8.9	6.3	2.9	8.1
	1994	20.4	11.2	8.9	6.6	4.7	8.4
	1995	18.3	10.8	9.1	6.9	4.6	8.3
	1996	16.5	9.1	7.8	5.8	3.8	7.0
	1997	17.1	9.4	9.2	6.2	3.7	7.7
	1998	22.4	10.2	9.1	7.3	4.2	8.2
	1999	26.3	9.1	9.0	6.8	3.6	7.8
Transplant count	1990	71	238	441	201	31	982
	1991	65	214	444	222	39	984
	1992	48	205	426	228	39	946
	1993	43	199	397	219	30	888
	1994	61	192	429	251	56	989
	1995	53	195	473	291	62	1,074
	1996	52	184	462	285	61	1,044
	1997	47	174	497	303	61	1,082
	1998	54	186	486	360	69	1,155
	1999	56	164	473	347	64	1,104
Cadaveric rate	1990	19.5	12.8	10.6	8.0	5.0	10.2
	1991	16.9	11.3	10.2	7.4	4.6	9.3
	1992	13.4	10.5	8.9	6.8	4.5	8.3
	1993	11.5	10.0	7.5	5.6	2.8	7.0
	1994	17.4	9.1	7.7	5.9	4.5	7.2
	1995	15.2	8.8	7.7	6.0	4.0	7.1
	1996	13.3	6.9	6.5	5.0	3.5	5.9
	1997	12.0	6.9	7.7	5.5	3.5	6.4
	1998	17.9	7.5	7.4	6.2	3.7	6.7
	1999	23.0	6.2	7.2	5.9	3.4	6.4
Cadaveric count	1990	61	211	400	196	31	899
	1991	50	187	407	205	35	884
	1992	39	175	376	211	38	839
	1993	35	171	337	192	29	764
	1994	52	155	369	224	53	853
	1995	44	160	401	253	54	912
	1996	42	141	386	248	56	873
	1997	33	129	415	270	57	904
	1998	43	136	394	307	61	941
	1999	49	111	379	300	60	899
Living rate	1990	*	1.5	1.0	*	*	0.9
	1991	4.7	1.6	0.9	0.6	*	1.0
	1992	*	1.7	1.2	0.5	*	1.0
	1993	*	1.6	1.3	0.8	*	1.1
	1994	*	2.2	1.2	0.7	*	1.1
	1995	*	1.9	1.4	0.9	*	1.2
	1996	*	2.1	1.3	0.7	*	1.1
	1997	5.1	2.4	1.5	0.7	*	1.3
	1998	4.6	2.7	1.7	1.0	*	1.5
	1999	*	3.0	1.8	0.9	*	1.4
Living count	1990	*	24	38	*	*	76
	1991	14	27	37	16	*	98
	1992	*	29	49	16	*	104
	1993	*	27	57	27	*	119
	1994	*	37	59	27	*	135
	1995	*	35	71	36	*	159
	1996	*	43	75	35	*	168
	1997	14	45	82	33	*	178
	1998	11	49	92	51	*	211
	1999	*	53	94	45	*	203

Table F.18

**Ratios of Patients Ever Transplanted to All Patients***by patient age*

	Age on Dec. 31 of Transplant Year					All
	0-17	18-29	30-44	45-59	60+	
1989	82.3	70.1	61.3	39.1	7.8	36.0
1990	82.1	70.1	61.5	40.2	8.6	36.2
1991	81.6	70.0	61.2	40.6	9.2	35.8
1992	81.4	68.9	60.8	41.1	9.7	35.4
1993	82.0	68.2	61.0	42.1	10.4	35.6
1994	80.4	66.4	60.4	41.7	10.8	35.0
1995	78.2	65.1	59.1	41.0	11.2	34.4
1996	77.2	64.0	58.4	40.9	11.9	34.2
1997	77.4	63.8	58.1	41.4	12.3	34.0
1998	77.7	63.0	58.2	41.8	12.9	34.1
1999	77.9	63.1	58.3	42.3	13.8	34.5

Table F.19

**First Transplant Rates per 1,000 Patient Years at Risk***by recipient age on January 1st 1999*

Age of recipient	Modality Group		
	All Dialysis	Hemodialysis	CAPD/CCPD
0-14	356.2	355.6	377.5
15-19	239.9	222.5	284.6
20-24	167.4	160.4	213.0
25-29	146.4	137.4	198.2
30-34	125.7	114.2	187.1
35-39	98.1	87.8	159.6
40-44	82.9	75.2	129.7
45-49	68.4	61.3	113.7
50-54	57.5	51.6	98.7
55-59	46.0	42.0	78.4
60-64	30.5	28.6	49.5
All <65	68.4	60.8	121.3



Table F.20

**Transplant Rates per 100 Patient Years on Dialysis: All Transplants**

1996-1999, by transplant type, recipient age, gender, &amp; diabetic status

ALL PATIENTS			Rate					Count					
Age	Diabetic	Gender	White	Black	Native American	Asian	All	White	Black	Native American	Asian	All	
0-17	Yes	Male	*	*	.	.	*	*	*	.	.	*	
		Female	*	*	.	.	*	*	*	.	.	*	
		All	*	*	.	*	*	*	*	.	*	*	
	No	Male	68.5	42.5	34.2	42.6	58.9	1,016	308	13	36	1,373	
		Female	59.8	31.7	49.3	38.2	50.0	711	185	14	34	944	
		All	64.7	37.6	40.6	40.3	54.9	1,727	493	27	70	2,317	
	All	Male	68.1	42.3	34.2	42.6	58.6	1,020	308	13	36	1,377	
		Female	58.9	30.3	49.3	36.5	48.7	712	185	14	34	945	
		All	64.0	36.8	40.6	39.4	54.1	1,732	493	27	70	2,322	
	18-29	Yes	Male	32.5	11.6	*	*	24.4	214	46	*	*	263
			Female	31.4	13.8	*	*	23.1	241	83	*	*	329
			All	31.9	12.9	*	*	23.7	455	129	*	*	592
No		Male	28.5	11.8	12.1	21.0	20.0	1,910	801	24	127	2,862	
		Female	25.0	10.8	14.1	15.8	17.9	1,393	580	33	97	2,103	
		All	26.9	11.3	13.2	18.4	19.0	3,303	1,381	57	224	4,965	
All		Male	28.8	11.8	12.3	20.8	20.3	2,124	847	25	129	3,125	
		Female	25.8	11.1	14.0	15.4	18.4	1,634	663	37	98	2,432	
		All	27.4	11.5	13.3	18.0	19.4	3,758	1,510	62	227	5,557	
30-44		Yes	Male	22.0	7.6	5.9	7.9	17.3	2,308	324	22	26	2,680
			Female	22.1	6.6	5.8	8.7	15.5	1,484	288	20	26	1,818
			All	22.0	7.1	5.9	8.3	16.5	3,792	612	42	52	4,498
	No	Male	20.5	6.2	8.0	13.9	12.2	4,306	1,796	59	251	6,412	
		Female	18.9	6.5	7.4	15.8	12.1	2,919	1,275	41	289	4,524	
		All	19.9	6.3	7.8	14.9	12.2	7,225	3,071	100	540	10,936	
	All	Male	21.0	6.4	7.3	13.0	13.4	6,614	2,120	81	277	9,092	
		Female	19.9	6.5	6.8	14.8	12.9	4,403	1,563	61	315	6,342	
		All	20.6	6.4	7.1	13.9	13.2	11,017	3,683	142	592	15,434	
	45-59	Yes	Male	8.9	4.1	5.3	4.9	6.9	2,261	659	93	86	3,099
			Female	6.3	2.6	3.4	3.7	4.4	1,260	481	61	50	1,852
			All	7.8	3.3	4.3	4.4	5.7	3,521	1,140	154	136	4,951
No		Male	14.8	4.6	6.5	11.2	9.2	4,790	1,859	57	277	6,983	
		Female	13.6	4.3	6.4	11.7	8.9	3,404	1,133	43	281	4,861	
		All	14.3	4.5	6.5	11.4	9.1	8,194	2,992	100	558	11,844	
All		Male	12.2	4.5	5.7	8.6	8.3	7,051	2,518	150	363	10,082	
		Female	10.4	3.6	4.2	8.8	7.0	4,664	1,614	104	331	6,713	
		All	11.4	4.1	5.0	8.7	7.7	11,715	4,132	254	694	16,795	
60+		Yes	Male	1.8	1.2	2.0	1.2	1.6	881	288	36	42	1,247
			Female	0.8	0.5	0.6	0.7	0.7	439	233	18	33	723
			All	1.2	0.8	1.1	0.9	1.0	1,320	521	54	75	1,970
	No	Male	2.5	1.4	2.3	2.2	2.2	2,499	587	23	107	3,216	
		Female	1.9	0.8	0.9	1.7	1.5	1,463	382	11	80	1,936	
		All	2.3	1.1	1.6	2.0	1.9	3,962	969	34	187	5,152	
	All	Male	2.2	1.3	2.1	1.8	2.0	3,380	875	59	149	4,463	
		Female	1.4	0.7	0.7	1.2	1.1	1,902	615	29	113	2,659	
		All	1.9	0.9	1.2	1.5	1.5	5,282	1,490	88	262	7,122	
	All	Yes	Male	6.6	2.9	3.9	2.7	5.2	5,668	1,317	152	156	7,293
			Female	4.1	1.6	1.9	1.8	2.9	3,425	1,085	103	110	4,723
			All	5.3	2.1	2.8	2.2	3.9	9,093	2,402	255	266	12,016
No		Male	9.0	4.6	6.2	8.1	7.1	14,521	5,351	176	798	20,846	
		Female	8.1	3.6	5.3	8.1	6.1	9,890	3,555	142	781	14,368	
		All	8.6	4.1	5.8	8.1	6.7	24,411	8,906	318	1,579	35,214	
All		Male	8.1	4.1	4.9	6.2	6.5	20,189	6,668	328	954	28,139	
		Female	6.4	2.8	3.1	5.6	4.8	13,315	4,640	245	891	19,091	
		All	7.4	3.4	3.9	5.9	5.7	33,504	11,308	573	1,845	47,230	

\*Values for cells with fewer than 10 patients are suppressed.

"." Zero patients in this cell.

Patients with unknown gender, or race other than White, Black, Native American, or Asian/Pacific Islander are excluded.

Table F.20 (continued)  
**Transplant Rates per 100 Patient Years on Dialysis: All Transplants**  
 1996-1999, by transplant type, recipient age, gender, & diabetic status

CADAVERIC FIRST TRANSPLANTS			Rate					Count					
Age	Diabetic	Gender	White	Black	Native American	Asian	All	White	Black	Native American	Asian	All	
0-17	Yes	Male	*	*	.	.	*	*	*	.	.	*	
		Female	*	*	.	*	*	*	*	.	*	*	
		All	*	*	.	*	*	*	*	.	*	*	
	No	Male	18.1	18.7	*	19.5	18.2	193	98	*	13	307	
		Female	16.3	12.2	*	17.7	15.0	152	59	*	14	228	
		All	17.3	15.6	*	18.5	16.7	345	157	*	27	535	
	All	Male	18.2	18.6	*	19.5	18.2	196	98	*	13	310	
		Female	16.0	11.6	*	16.9	14.6	152	59	*	14	228	
		All	17.2	15.2	*	18.0	16.5	348	157	*	27	538	
	18-29	Yes	Male	14.9	3.0	*	*	10.3	90	11	*	*	102
			Female	12.7	5.7	*	*	9.4	89	33	*	*	125
			All	13.7	4.6	*	*	9.8	179	44	*	*	227
No		Male	6.9	3.4	*	5.5	5.0	302	178	*	28	517	
		Female	6.5	3.1	*	3.5	4.6	231	134	*	17	389	
		All	6.7	3.2	5.2	4.5	4.8	533	312	16	45	906	
All		Male	7.8	3.3	*	5.5	5.5	392	189	*	29	619	
		Female	7.5	3.4	*	3.3	5.2	320	167	*	17	514	
		All	7.7	3.4	5.6	4.4	5.3	712	356	19	46	1,133	
30-44		Yes	Male	8.6	2.3	*	*	6.5	803	94	*	*	911
			Female	9.0	2.3	*	4.3	6.0	515	94	*	12	627
			All	8.7	2.3	*	3.7	6.3	1,318	188	*	22	1,538
	No	Male	6.4	1.8	1.9	4.5	3.6	952	454	12	65	1,483	
		Female	5.9	2.0	*	4.8	3.6	649	324	*	73	1,053	
		All	6.2	1.9	1.8	4.7	3.6	1,601	778	19	138	2,536	
	All	Male	7.3	1.9	1.6	4.3	4.3	1,755	548	16	75	2,394	
		Female	7.0	2.0	1.7	4.7	4.2	1,164	418	13	85	1,680	
		All	7.2	2.0	1.6	4.5	4.3	2,919	966	29	160	4,074	
	45-59	Yes	Male	2.7	1.1	1.4	1.4	2.0	655	167	24	23	869
			Female	1.9	0.6	0.7	1.3	1.3	374	107	13	17	511
			All	2.4	0.8	1.1	1.3	1.6	1,029	274	37	40	1,380
No		Male	5.0	1.4	2.7	4.0	3.0	1,370	483	21	83	1,957	
		Female	4.2	1.3	*	3.3	2.7	909	317	*	69	1,305	
		All	4.7	1.4	2.2	3.6	2.9	2,279	800	31	152	3,262	
All		Male	3.9	1.3	1.8	2.8	2.6	2,025	650	45	106	2,826	
		Female	3.2	1.0	1.0	2.5	2.1	1,283	424	23	86	1,816	
		All	3.6	1.2	1.4	2.7	2.4	3,308	1,074	68	192	4,642	
60+		Yes	Male	0.5	0.2	*	*	0.4	229	58	*	*	302
			Female	0.2	0.1	*	*	0.1	101	47	*	*	159
			All	0.3	0.2	0.3	0.2	0.2	330	105	13	13	461
	No	Male	0.8	0.4	*	0.6	0.7	755	156	*	30	947	
		Female	0.6	0.2	*	0.5	0.5	467	105	*	25	602	
		All	0.7	0.3	0.5	0.6	0.6	1,222	261	11	55	1,549	
	All	Male	0.7	0.3	0.5	0.4	0.6	984	214	14	37	1,249	
		Female	0.4	0.2	*	0.3	0.3	568	152	*	31	761	
		All	0.6	0.2	0.3	0.4	0.4	1,552	366	24	68	2,010	
	All	Yes	Male	2.1	0.7	0.9	0.7	1.6	1,780	330	36	41	2,187
			Female	1.3	0.4	0.5	0.6	0.9	1,079	281	27	35	1,422
			All	1.7	0.5	0.7	0.6	1.2	2,859	611	63	76	3,609
No		Male	2.4	1.3	2.0	2.5	2.0	3,572	1,369	51	219	5,211	
		Female	2.2	1.0	1.3	2.2	1.7	2,408	939	32	198	3,577	
		All	2.3	1.2	1.7	2.4	1.8	5,980	2,308	83	417	8,788	
All		Male	2.3	1.1	1.4	1.8	1.8	5,352	1,699	87	260	7,398	
		Female	1.8	0.8	0.8	1.6	1.3	3,487	1,220	59	233	4,999	
		All	2.1	0.9	1.0	1.7	1.6	8,839	2,919	146	493	12,397	

\*Values for cells with fewer than 10 patients are suppressed.  
 ." Zero patients in this cell.

Table F.20 (continued)

**Transplant Rates per 100 Patient Years on Dialysis: All Transplants**

1996-1999, by transplant type, recipient age, gender, &amp; diabetic status

ALL LIVING DONOR TRANSPLANTS			Rate					Count					
Age	Diabetic	Gender	White	Black	Native American	Asian	All	White	Black	Native American	Asian	All	
0-17	Yes	Male	*	*	.	.	*	*	*	.	.	*	
		Female	*	*	.	.	*	*	*	.	.	*	
		All	*	*	.	*	*	*	*	.	*	*	
	No	Male	33.7	13.1	*	*	26.0	500	95	*	*	606	
		Female	27.2	8.7	*	*	20.6	323	51	*	*	390	
		All	30.8	11.1	*	9.8	23.6	823	146	*	17	996	
	All	Male	33.4	13.0	*	*	25.8	500	95	*	*	606	
		Female	26.8	8.4	*	*	20.2	324	51	*	*	391	
		All	30.4	10.9	*	9.6	23.2	824	146	*	17	997	
	18-29	Yes	Male	6.8	*	*	*	4.6	45	*	*	*	50
			Female	7.9	*	*	*	4.7	61	*	*	*	67
			All	7.4	1.1	*	*	4.7	106	11	*	*	117
No		Male	11.3	2.3	*	4.5	6.6	755	160	*	27	947	
		Female	9.8	2.2	*	3.4	5.9	544	116	*	21	690	
		All	10.6	2.3	3.2	3.9	6.3	1,299	276	14	48	1,637	
All		Male	10.9	2.3	*	4.3	6.5	800	165	*	27	997	
		Female	9.6	2.0	*	3.3	5.7	605	122	*	21	757	
		All	10.3	2.2	3.0	3.8	6.1	1,405	287	14	48	1,754	
30-44		Yes	Male	3.9	0.9	*	*	3.0	408	40	*	*	459
			Female	4.4	0.6	*	*	2.8	297	27	*	*	330
			All	4.1	0.8	1.7	*	2.9	705	67	12	*	789
	No	Male	5.6	0.7	1.5	2.4	2.7	1,165	211	11	43	1,430	
		Female	5.6	0.9	*	2.7	3.0	861	183	*	49	1,103	
		All	5.6	0.8	1.6	2.5	2.8	2,026	394	21	92	2,533	
	All	Male	5.0	0.8	1.8	2.1	2.8	1,573	251	20	45	1,889	
		Female	5.2	0.9	1.4	2.4	2.9	1,158	210	13	52	1,433	
		All	5.1	0.8	1.6	2.3	2.8	2,731	461	33	97	3,322	
	45-59	Yes	Male	1.5	0.4	0.7	*	1.1	394	69	12	*	482
			Female	1.2	0.3	*	*	0.8	246	63	*	*	323
			All	1.4	0.4	0.6	0.4	0.9	640	132	20	13	805
No		Male	3.2	0.4	*	1.0	1.6	1,047	153	*	24	1,231	
		Female	3.2	0.5	*	1.3	1.8	799	119	*	32	958	
		All	3.2	0.4	1.0	1.1	1.7	1,846	272	15	56	2,189	
All		Male	2.5	0.4	0.7	0.7	1.4	1,441	222	19	31	1,713	
		Female	2.3	0.4	0.6	1.0	1.3	1,045	182	16	38	1,281	
		All	2.4	0.4	0.7	0.9	1.4	2,486	404	35	69	2,994	
60+		Yes	Male	0.2	0.1	*	*	0.1	92	20	*	*	119
			Female	0.1	0.1	*	*	0.1	56	23	*	*	82
			All	0.1	0.1	*	*	0.1	148	43	*	*	201
	No	Male	0.4	0.1	*	0.2	0.3	397	38	*	11	452	
		Female	0.3	0.1	*	0.3	0.2	201	40	*	12	254	
		All	0.3	0.1	*	0.2	0.3	598	78	*	23	706	
	All	Male	0.3	0.1	0.4	0.2	0.3	489	58	11	13	571	
		Female	0.2	0.1	*	0.1	0.1	257	63	*	13	336	
		All	0.3	0.1	0.2	0.1	0.2	746	121	14	26	907	
	All	Yes	Male	1.1	0.3	0.7	0.2	0.8	939	134	26	11	1,110
			Female	0.8	0.2	0.2	*	0.5	661	119	13	*	803
			All	0.9	0.2	0.4	0.2	0.6	1,600	253	39	21	1,913
No		Male	2.4	0.6	1.1	1.2	1.6	3,864	657	31	114	4,666	
		Female	2.2	0.5	1.4	1.3	1.4	2,728	509	36	122	3,395	
		All	2.3	0.5	1.2	1.2	1.5	6,592	1,166	67	236	8,061	
All		Male	1.9	0.5	0.8	0.8	1.3	4,803	791	57	125	5,776	
		Female	1.6	0.4	0.6	0.8	1.1	3,389	628	49	132	4,198	
		All	1.8	0.4	0.7	0.8	1.2	8,192	1,419	106	257	9,974	

\*Values for cells with fewer than 10 patients are suppressed.

." Zero patients in this cell.

Table F.21  
**Transplant Rates per 100 Patient Years on Dialysis: All Transplants**  
*by network & race*

ESRD Network	Race	Transplant rate						Transplant count					
		1994	1995	1996	1997	1998	1999	1994	1995	1996	1997	1998	1999
1 CT, MA, ME, NH, RI, VT	All	7.5	6.9	7.0	7.0	6.5	5.8	485	494	532	553	547	498
	White	7.5	7.2	7.1	7.3	7.0	6.1	393	411	428	459	459	409
	Black	7.0	5.4	6.8	5.3	4.7	4.4	80	69	96	81	75	74
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
2 NY	Asian/Pac. Is.	*	10.1	*	7.5	8.5	8.3	*	13	*	12	13	12
	All	5.5	5.4	4.8	4.7	4.8	4.6	636	686	661	676	730	735
	White	6.7	6.8	6.5	6.3	6.6	6.0	418	452	461	458	525	498
	Black	3.6	3.6	2.6	3.0	2.7	2.9	181	203	160	189	179	199
3 NJ, PR	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	9.0	6.3	7.8	4.4	4.5	5.5	30	25	37	22	24	33
	All	4.7	4.4	4.5	4.8	4.7	4.9	355	360	390	430	435	464
	White	5.0	5.1	5.3	5.5	5.4	6.1	238	264	287	304	303	349
4 PA	Black	3.8	2.7	3.0	3.4	3.4	2.7	102	79	92	108	115	97
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	9.2	9.2	5.5	9.0	8.4	8.6	15	17	11	18	17	18
	All	6.7	7.4	7.3	6.9	6.6	6.3	546	662	698	700	703	675
5 MD, DC, VA, WV	White	7.6	8.4	8.2	8.2	7.8	7.3	383	467	487	521	515	491
	Black	5.3	5.6	5.5	4.4	4.4	4.4	156	184	195	165	171	173
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	12.4	*	14.8	*	*	*	13	*	15	*
6 NC, SC, GA	All	6.4	6.2	6.0	6.0	6.2	6.2	631	662	757	770	855	870
	White	9.6	9.3	8.7	9.5	9.7	9.1	341	350	401	432	479	461
	Black	4.4	4.3	4.3	3.9	4.1	4.4	272	288	336	312	354	384
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
7 FL	Asian/Pac. Is.	10.5	11.5	8.6	10.7	7.7	10.2	17	20	20	23	18	24
	All	5.1	4.3	4.2	4.1	4.0	3.5	753	717	763	783	815	751
	White	9.6	8.1	7.2	7.2	7.7	6.1	415	394	377	396	454	375
	Black	3.1	2.7	2.8	2.7	2.4	2.5	323	309	349	345	329	361
8 TN, AL, MS	Native American	*	*	2.3	3.0	2.5	*	*	*	11	17	12	*
	Asian/Pac. Is.	*	*	8.2	7.6	7.4	4.8	*	*	26	25	20	11
	All	5.4	5.7	5.2	5.4	5.1	5.2	520	581	578	638	641	659
	White	6.7	6.9	5.9	6.7	6.3	6.7	382	420	375	431	439	481
9 OH, IN, KY	Black	3.3	3.8	4.2	3.7	3.5	3.0	121	148	187	194	187	161
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	12.8	9.0	8.1	*	7.8	9.0	16	12	12	*	13	15
	All	5.7	5.3	4.9	4.4	4.4	4.1	526	552	556	533	567	544
10 IL	White	9.2	8.5	8.3	7.4	7.7	6.8	301	311	327	310	348	321
	Black	3.7	3.5	3.1	2.8	2.6	2.6	219	233	224	213	214	217
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
11 ND, SD, MN, WI	All	7.4	7.5	6.6	6.6	6.4	5.4	820	902	875	931	965	846
	White	8.6	8.8	8.1	7.7	7.8	6.6	601	656	669	677	735	662
	Black	5.1	5.2	4.1	4.5	3.9	3.1	209	231	200	236	211	175
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
12 NE, IA, KS, MO	Asian/Pac. Is.	*	*	*	16.2	16.5	*	*	*	*	16	16	*
	All	7.6	7.6	6.7	6.5	6.2	5.6	565	620	582	592	597	552
	White	9.8	9.3	8.4	8.5	7.8	7.2	392	405	391	412	401	385
	Black	4.9	5.4	4.6	4.0	4.2	3.5	157	193	177	160	177	152
13 OK, AR, LA	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	9.0	10.4	7.2	10.6	7.7	6.3	12	17	13	20	16	13
	All	9.8	9.1	9.0	8.6	8.2	7.5	1,002	1,030	1,115	1,118	1,117	1,062
	White	11.8	10.9	11.0	10.5	10.5	9.7	776	789	854	870	911	856
14 IA, KS, MO	Black	5.5	5.6	5.2	4.9	3.8	3.4	177	202	208	208	168	156
	Native American	10.3	5.5	9.3	5.2	5.2	6.1	30	18	35	20	21	27
	Asian/Pac. Is.	13.9	12.3	9.0	9.9	8.3	10.2	19	21	18	20	17	23
	All	9.0	7.6	6.6	6.5	6.8	6.5	563	524	487	507	562	562
15 NE, IA, KS, MO	White	10.1	8.8	7.9	7.9	7.9	8.1	440	415	396	413	449	473
	Black	5.9	4.7	3.6	3.4	3.8	3.1	107	95	77	78	92	78
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	16.1	*	*	*	*	*	14	*
16 OK, AR, LA	All	6.7	5.9	5.0	4.5	4.1	4.0	461	446	410	395	390	402
	White	9.1	8.2	7.4	7.0	6.5	6.5	264	258	252	249	246	261
	Black	4.8	4.2	3.1	2.8	2.5	2.1	174	169	141	134	128	119
	Native American	5.5	4.9	3.8	*	2.7	3.3	15	15	13	*	11	15
Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*	



Table F.21 (continued)

**Transplant Rates per 100 Patient Years on Dialysis: All Transplants**

by network &amp; race

ESRD Network	Race	Transplant rate						Transplant count					
		1994	1995	1996	1997	1998	1999	1994	1995	1996	1997	1998	1999
14 TX	All	6.1	5.9	5.6	5.0	5.2	4.5	752	792	814	768	864	798
	White	7.0	7.0	6.2	5.9	6.2	5.4	546	598	577	584	661	600
	Black	4.1	3.8	4.2	3.0	3.3	2.7	173	173	207	158	184	158
	Native American	*	*	*	*	*	4.6	*	*	*	*	*	15
	Asian/Pac. Is.	14.1	6.1	8.7	8.8	6.2	6.3	30	15	22	23	18	25
15 AZ, CO, NV, NM, UT, WY	All	7.7	7.9	7.1	6.7	6.9	6.5	489	544	525	539	597	593
	White	8.6	9.1	7.9	7.8	8.1	7.5	402	461	429	456	512	492
	Black	6.3	6.3	5.8	5.5	4.1	4.8	38	42	43	44	35	43
	Native American	3.7	3.2	3.1	1.6	2.5	2.8	34	32	34	20	33	39
	Asian/Pac. Is.	10.2	*	10.3	9.4	7.7	7.8	15	*	19	19	17	19
16 AK, ID, MT, OR, WA	All	9.3	8.6	9.3	7.6	8.5	7.6	393	402	459	398	464	422
	White	9.6	9.1	9.8	8.1	9.0	8.2	334	345	387	338	389	358
	Black	7.4	4.7	8.2	4.8	3.9	4.5	30	21	40	25	21	25
	Native American	8.3	6.5	6.0	6.0	7.4	7.4	12	12	12	13	17	18
	Asian/Pac. Is.	8.3	9.5	6.4	6.3	9.8	5.2	17	24	20	22	37	21
17 N. CA, HI, AS, Guam	All	6.7	6.3	6.0	5.8	5.4	4.7	500	521	523	536	527	470
	White	8.2	8.3	7.5	7.5	7.1	6.3	323	350	332	349	343	313
	Black	4.8	4.3	4.4	3.5	3.5	2.2	73	68	73	61	65	41
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	5.1	4.2	4.3	4.4	3.8	3.6	99	94	108	119	112	107
18 Southern CA	All	6.6	5.9	5.6	5.6	5.7	4.6	704	723	736	765	805	687
	White	7.1	6.5	6.1	6.2	6.6	5.2	501	510	527	554	610	507
	Black	4.5	4.5	4.0	3.7	3.1	2.9	106	117	112	106	92	88
	Native American	6.6	*	*	*	*	*	11	*	*	*	*	*
	Asian/Pac. Is.	7.1	5.9	5.5	5.6	5.4	4.4	86	86	90	95	99	85
Unknown Network	All	13.8	1.9	2.1	11.5	19.5	153.1	79	22	24	42	49	251
	White	12.2	2.0	2.3	11.9	18.5	168.8	56	18	19	29	32	183
	Black	19.0	*	*	*	26.9	126.4	16	*	*	*	14	48
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	102.3	*	*	*	*	*	18
All	All	6.7	6.3	5.9	5.8	5.7	5.3	10,780	11,240	11,485	11,674	12,230	11,841
	White	8.3	8.0	7.5	7.5	7.5	7.0	7,506	7,874	7,976	8,242	8,811	8,475
	Black	4.3	4.1	3.8	3.5	3.3	3.1	2,714	2,827	2,922	2,826	2,811	2,749
	Native American	5.6	4.9	4.4	3.6	3.6	4.0	143	140	151	130	131	161
	Asian/Pac. Is.	7.8	6.4	6.0	6.2	5.9	5.4	417	399	436	476	477	456

\*Values for cells with fewer than 10 patients are suppressed.

." Zero patients in this cell.



Table F.22

**Transplant Rates per 100 Patient Years on Dialysis: Cadaveric First Transplants**

*all patients, by network & race*

ESRD Network	Race	Transplant rate						Transplant count					
		1994	1995	1996	1997	1998	1999	1994	1995	1996	1997	1998	1999
1 CT, MA, ME, NH, RI, VT	All	4.6	3.8	3.7	3.7	3.4	3.0	275	251	261	273	263	240
	White	4.5	3.9	3.7	3.7	3.4	2.9	219	209	206	215	207	179
	Black	4.3	2.8	3.8	3.4	3.3	3.2	45	32	49	47	49	49
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
2 NY	All	3.9	3.8	3.3	3.1	3.0	2.8	421	446	429	422	429	423
	White	4.7	4.6	4.4	4.0	4.1	3.5	268	284	290	269	304	267
	Black	2.7	2.7	1.9	2.2	1.7	2	127	142	109	131	106	131
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	6.9	3.7	6.2	3.1	3.4	3.9	22	14	28	15	17	22
3 NJ, PR	All	3.1	3.2	3.1	3.2	3.0	2.8	219	248	255	267	264	252
	White	3.1	3.6	3.5	3.4	3.2	3.3	140	174	177	173	169	180
	Black	2.7	2.3	2.4	2.7	2.5	1.7	68	62	68	80	81	59
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	7.2	7.1	*	7.8	7.6	6.7	11	12	*	14	14	13
4 PA	All	5.1	5.5	5.5	5.0	4.9	4.7	389	460	487	468	479	471
	White	5.7	6.1	6.0	5.8	5.4	5.3	266	315	329	338	334	335
	Black	4.2	4.5	4.6	3.6	3.7	3.6	117	137	150	123	133	130
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	12.2	*	*	*	*	*	11	*
5 MD, DC, VA, WV	All	4.8	4.2	4.4	3.8	3.6	3.5	441	416	478	458	465	461
	White	6.8	6.2	6.2	5.6	5.1	4.6	224	214	234	235	234	218
	Black	3.5	3.0	3.3	2.7	2.8	2.8	205	188	231	205	222	229
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	7.8	6.9	7.0	8.0	*	5.9	12	11	13	16	*	13
6 NC, SC, GA	All	3.5	2.8	2.9	2.9	2.6	2.3	481	435	492	524	505	462
	White	5.8	4.6	4.5	4.6	4.4	3.5	230	207	218	233	243	201
	Black	2.5	2.0	2.1	2.2	1.8	1.8	242	220	248	262	240	251
	Native American	*	*	*	2.2	*	*	*	*	*	12	*	*
	Asian/Pac. Is.	*	*	5.9	5.4	5.9	*	*	*	18	17	15	*
7 FL	All	4.2	4.3	3.9	4.1	3.8	3.7	383	412	403	455	449	448
	White	5.2	5.0	4.2	4.8	4.2	4.5	278	285	251	291	280	309
	Black	2.7	3.2	3.3	3.2	3.1	2.5	95	120	140	156	156	127
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	7.3	7.3	*	*	*	*	11	11
8 TN, AL, MS	All	3.9	4.0	3.5	2.8	2.9	2.6	336	386	369	314	345	329
	White	5.7	5.8	5.4	4.1	4.2	3.7	171	194	193	162	179	164
	Black	2.9	3.0	2.6	2.0	2.1	2.0	162	188	174	147	164	161
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
9 OH, IN, KY	All	5.7	5.5	4.9	4.7	4.6	3.5	581	600	598	611	645	515
	White	6.5	6.1	5.8	5.2	5.3	4.2	417	419	437	424	465	389
	Black	4.2	4.2	3.5	3.6	3.3	2.3	158	170	157	173	166	120
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	14.5	12.8	*	*	*	*	13	11	*
10 IL	All	5.6	5.5	4.6	4.4	4.0	3.6	378	410	374	373	359	338
	White	6.7	6.0	5.3	5.7	4.9	4.4	248	241	226	254	234	223
	Black	4.1	4.5	3.9	2.9	2.8	2.6	121	150	140	108	112	106
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	10.0	*	6.2	5.6	*	*	15	*	11	11	*
11 ND, SD, MN, WI	All	6.1	5.5	4.7	4.5	4.4	3.9	573	576	534	552	566	519
	White	6.9	6.3	5.5	5.3	5.3	4.6	417	420	395	403	430	384
	Black	4.2	3.9	2.9	3.2	2.7	2.5	124	132	110	127	111	107
	Native American	7.2	*	5.3	*	3.7	3.6	20	*	19	*	14	15
	Asian/Pac. Is.	9.8	8.9	*	6.9	5.7	6.2	12	14	*	13	11	13
12 NE, IA, KS, MO	All	6.5	5.0	4.4	4.3	4.5	3.9	375	317	305	307	345	312
	White	6.9	5.6	5.2	4.9	4.9	4.7	275	245	244	240	259	252
	Black	5.2	3.4	2.7	2.6	3.2	2.3	88	64	53	55	72	54
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
13 OK, AR, LA	All	4.5	4.2	3.5	3.2	2.7	2.8	283	292	267	262	241	260
	White	5.6	5.3	4.7	4.6	4.0	4.2	150	156	147	153	141	156
	Black	3.5	3.3	2.6	2.3	1.9	1.7	118	123	107	102	91	90
	Native American	*	3.7	3.3	*	*	2.5	*	11	11	*	*	11
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*



Table F.22 (continued)

**Transplant Rates per 100 Patient Years on Dialysis: Cadaveric First Transplants***all patients, by network & race*

ESRD Network	Race	Transplant rate						Transplant count					
		1994	1995	1996	1997	1998	1999	1994	1995	1996	1997	1998	1999
14 TX	All	4.8	4.4	4.1	3.7	3.6	3.3	542	546	547	532	550	535
	White	5.2	5.0	4.2	4.2	4.0	3.9	378	400	365	384	393	398
	Black	3.5	3.1	3.5	2.7	2.7	2.1	136	129	157	128	142	112
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	13.1	6.5	8.0	7.8	5.3	4.9	25	14	18	18	14	18
15 AZ, CO, NV, NM, UT, WY	All	5.6	5.6	4.7	4.1	4.0	3.7	322	357	325	306	322	316
	White	6.1	6.6	5.0	4.5	4.6	4.1	260	306	249	244	267	249
	Black	4.7	3.6	5.4	4.6	2.8	3.6	26	22	36	33	22	30
	Native American	3.1	2.4	2.6	1.1	1.8	1.9	27	23	28	13	23	25
	Asian/Pac. Is.	*	*	7.2	8.6	*	5.3	*	*	12	16	*	12
16 AK, ID, MT, OR, WA	All	6.5	5.6	6.5	4.4	4.8	4.5	250	238	291	212	243	230
	White	6.8	5.8	6.9	4.6	4.7	4.7	214	199	248	175	189	190
	Black	4.5	4.3	4.8	3.3	3.2	2.7	17	18	22	16	16	14
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	7.4	6.5	5.8	4.6	8.4	4.7	14	15	17	15	30	18
17 N. CA, HI, AS, Guam	All	4.4	4.4	4.1	4.0	3.6	3.1	305	327	326	341	331	284
	White	5.1	5.4	4.5	4.8	4.3	3.8	180	206	182	205	192	175
	Black	3.6	3.6	3.3	2.7	2.8	1.5	50	52	49	43	49	26
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	4.0	3.1	3.8	3.4	3.0	2.8	72	66	90	88	84	79
18 Southern CA	All	4.5	4.0	3.5	3.6	3.7	3.1	449	453	434	457	496	433
	White	5.0	4.1	3.6	3.8	4.3	3.4	319	299	290	319	373	309
	Black	3.3	3.6	3.0	2.6	2.1	2.1	72	87	79	69	59	61
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	4.5	4.5	3.9	3.9	3.6	3.1	52	62	60	63	62	58
Unknown Network	All	11.3	1.1	1.0	3.9	8.0	81.2	61	12	11	13	18	109
	White	9.4	*	*	*	*	75.0	41	*	*	*	*	66
	Black	22.2	*	*	*	*	104.9	16	*	*	*	*	30
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	62.5	*	*	*	*	*	11
All	All	4.7	4.4	4.0	3.8	3.7	3.3	7,064	7,182	7,186	7,147	7,315	6,937
	White	5.6	5.2	4.8	4.6	4.5	4.1	4,695	4,783	4,688	4,725	4,903	4,644
	Black	3.4	3.1	2.9	2.7	2.5	2.3	1,987	2,037	2,083	2,009	1,998	1,887
	Native American	4.1	3.3	3.1	2.3	2.5	2.6	99	88	100	81	88	98
	Asian/Pac. Is.	5.7	4.7	4.7	4.6	4.3	3.9	283	274	315	332	326	308

\*Values for cells with fewer than 10 patients are suppressed.



Table F.23

**Transplant Rates per 100 Patient Years on Dialysis: Living Donor Transplants**

*all patients, by network & race*

ESRD Network	Race	Transplant rate						Transplant count					
		1994	1995	1996	1997	1998	1999	1994	1995	1996	1997	1998	1999
1 CT, MA, ME, NH, RI, VT	All	2.7	2.8	2.9	2.9	2.9	2.5	178	202	223	227	243	211
	White	2.9	2.9	3.1	3.2	3.3	2.9	149	167	184	198	218	192
	Black	2.4	2.4	2.6	1.8	1.2	1.0	28	31	37	27	19	16
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
2 NY	All	1.4	1.5	1.3	1.4	1.5	1.5	163	188	174	204	230	240
	White	1.8	2.0	1.8	2.1	2.2	2.1	111	133	128	154	175	176
	Black	0.9	0.8	0.6	0.7	0.7	0.8	44	45	39	45	48	53
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
3 NJ, PR	All	1.2	1.0	1.2	1.4	1.4	1.8	89	84	106	124	132	172
	White	1.3	1.4	1.7	1.9	1.9	2.5	62	70	89	102	106	142
	Black	0.9	*	0.5	0.6	0.7	0.7	24	*	16	18	24	26
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
4 PA	All	1.3	1.4	1.5	1.5	1.4	1.2	107	129	142	155	151	134
	White	1.6	1.8	1.8	1.9	2.0	1.7	80	99	107	123	129	115
	Black	0.9	0.9	0.9	0.8	0.5	0.4	26	28	31	28	20	16
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
5 MD, DC, VA, WV	All	1.5	1.8	1.8	2.0	2.4	2.5	144	195	235	253	325	355
	White	2.5	2.8	3.1	3.6	4.1	4.2	88	106	145	164	203	212
	Black	0.8	1.2	1.1	1.0	1.3	1.5	50	81	84	81	111	132
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	4.7	4.7	*	*	*	*	11	11
6 NC, SC, GA	All	1.4	1.3	1.2	1.1	1.2	1.1	204	217	221	210	245	231
	White	3.2	2.9	2.5	2.4	2.9	2.4	139	142	129	134	171	146
	Black	0.6	0.6	0.7	0.5	0.5	0.6	60	69	82	64	65	81
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
7 FL	All	1.1	1.2	1.1	1.2	1.1	1.3	106	121	125	137	142	166
	White	1.4	1.6	1.4	1.6	1.7	1.9	81	96	87	101	118	135
	Black	0.5	0.5	0.8	0.6	0.4	0.5	18	19	36	31	23	29
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
8 TN, AL, MS	All	1.6	1.3	1.3	1.5	1.4	1.4	150	137	150	180	179	185
	White	3.2	2.7	2.8	3.0	3.2	3.0	104	97	109	127	142	141
	Black	0.7	0.6	0.5	0.6	0.4	0.5	43	38	39	49	35	42
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
9 OH, IN, KY	All	1.6	1.8	1.6	1.8	1.6	1.6	179	211	219	255	241	246
	White	2.1	2.2	2.2	2.4	2.2	2.2	144	166	183	206	208	215
	Black	0.8	0.9	0.7	0.9	0.5	0.5	31	42	34	46	28	29
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
10 IL	All	1.9	2.1	1.8	1.8	2.1	1.6	142	170	156	167	202	162
	White	2.8	3.1	2.7	2.5	2.8	2.3	112	136	127	122	144	123
	Black	0.7	0.9	0.6	0.9	1.2	0.8	24	31	25	38	52	33
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
11 ND, SD, MN, WI	All	3.3	3.3	3.9	3.7	3.4	3.3	342	369	487	477	462	470
	White	4.4	4.1	4.9	4.8	4.7	4.6	290	295	382	397	407	410
	Black	1.2	1.7	2.1	1.6	1.0	0.9	40	61	83	66	44	39
	Native American	*	*	3.7	*	*	2.7	*	*	14	*	*	12
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
12 NE, IA, KS, MO	All	2.1	2.3	1.9	2.1	1.9	2.4	135	160	144	160	161	207
	White	2.8	2.8	2.3	2.7	2.5	3.1	120	134	116	142	143	183
	Black	0.7	1.0	1.0	0.7	0.5	0.7	13	21	22	15	13	19
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
13 OK, AR, LA	All	1.7	1.5	1.3	1.2	1.3	1.2	117	110	110	105	121	117
	White	2.7	2.5	2.4	2.3	2.4	2.2	79	78	81	81	90	88
	Black	1.0	0.6	0.6	0.4	0.5	0.4	36	26	27	20	25	22
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*





Table F.23 (continued)

**Transplant Rates per 100 Patient Years on Dialysis: Living Donor Transplants***all patients, by network & race*

ESRD Network	Race	Transplant rate						Transplant count					
		1994	1995	1996	1997	1998	1999	1994	1995	1996	1997	1998	1999
14 TX	All	1.3	1.3	1.3	1.1	1.4	1.1	158	170	194	173	236	185
	White	1.6	1.6	1.7	1.5	2.0	1.3	128	141	161	151	211	144
	Black	0.6	0.5	0.6	0.3	0.4	0.5	26	25	30	18	21	29
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
15 AZ, CO, NV, NM, UT, WY	All	2.0	2.0	2.1	2.3	2.6	2.5	126	140	153	185	226	226
	White	2.3	2.3	2.5	2.9	3.2	3.1	107	116	135	170	202	200
	Black	*	2.4	*	*	1.3	*	*	16	*	*	11	*
	Native American	*	*	*	*	*	0.8	*	*	*	*	*	11
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
16 AK, ID, MT, OR, WA	All	2.6	3.0	2.8	2.8	3.4	3.0	110	140	140	149	188	169
	White	2.6	3.2	2.9	3.1	3.9	3.4	89	122	114	130	171	148
	Black	3.0	*	3.1	*	*	2.0	12	*	15	*	*	11
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
17 N. CA, HI, AS, Guam	All	2.1	1.8	1.8	1.7	1.6	1.5	157	151	157	154	153	153
	White	2.9	2.6	2.8	2.5	2.5	2.5	115	109	122	116	119	122
	Black	1.1	0.9	1.2	0.9	0.6	0.6	17	15	19	16	11	11
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	1.2	1.0	0.5	0.7	0.8	0.5	23	23	12	20	22	16
18 Southern CA	All	1.8	1.7	1.8	1.8	1.8	1.3	189	212	241	249	253	192
	White	1.8	2.1	2.2	2.2	2.1	1.6	129	163	187	195	193	152
	Black	1.2	1.0	0.9	1.0	0.9	0.7	27	25	26	28	27	20
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	2.5	1.4	1.6	1.4	1.7	0.9	30	20	26	23	31	18
Unknown Network	All	2.8	*	*	4.4	10.7	81.7	16	*	*	16	27	134
	White	2.8	*	*	4.9	11.6	101.5	13	*	*	12	20	110
	Black	*	*	*	*	*	44.8	*	*	*	*	*	17
	Native American	*	*	*	*	*	*	*	*	*	*	*	*
	Asian/Pac. Is.	*	*	*	*	*	*	*	*	*	*	*	*
All	All	1.7	1.8	1.8	1.8	1.8	1.8	2,812	3,111	3,382	3,580	3,917	3,955
	White	2.4	2.4	2.4	2.6	2.7	2.6	2,140	2,374	2,590	2,825	3,170	3,154
	Black	0.8	0.8	0.9	0.8	0.7	0.7	527	587	653	607	587	634
	Native American	1.3	1.6	1.3	1.2	0.9	1.3	34	46	45	42	33	53
	Asian/Pac. Is.	2.1	1.7	1.3	1.4	1.6	1.4	111	104	94	106	127	114

\*Values for cells with fewer than 10 patients are suppressed.

"." Zero patients in this cell.



Table F.24

**Standardized First Transplant Ratios***by state*

	1997-1999	1997	1998	1999
Alabama	0.84	0.94	0.82	0.76
Alaska	1.09	0.71	1.71	1.35
Arizona	1.00	0.90	0.97	1.12
Arkansas	1.09	1.29	1.08	0.91
California	1.06	1.17	1.13	0.90
Colorado	1.38	1.51	1.35	1.27
Connecticut	1.01	0.98	1.04	1.01
Delaware	1.29	1.28	1.51	1.08
District Of Columbia	0.40	0.34	0.38	0.47
Florida	1.04	1.12	0.96	1.05
Georgia	0.66	0.71	0.68	0.60
Hawaii	0.75	0.74	0.72	0.78
Idaho	1.89	1.63	1.97	2.04
Illinois	1.25	1.33	1.27	1.16
Indiana	1.13	1.18	1.32	0.91
Iowa	2.02	1.89	2.23	1.94
Kansas	1.19	1.19	1.24	1.14
Kentucky	1.36	1.61	1.33	1.17
Louisiana	0.63	0.72	0.61	0.57
Maine	1.58	1.45	1.45	1.83
Maryland	1.30	1.22	1.28	1.40
Massachusetts	1.69	1.87	1.69	1.51
Michigan	1.18	1.31	1.17	1.06
Minnesota	2.15	2.39	2.20	1.89
Mississippi	0.60	0.60	0.68	0.52
Missouri	1.27	1.26	1.40	1.15
Montana	1.83	1.90	1.99	1.62
Nebraska	1.43	1.48	1.52	1.32
Nevada	1.40	1.60	1.38	1.26
New Hampshire	2.01	1.72	2.99	1.30
New Jersey	1.07	1.13	1.00	1.10
New Mexico	0.81	0.73	0.87	0.83
New York	0.95	0.98	0.98	0.90
North Carolina	0.74	0.80	0.80	0.64
North Dakota	2.08	1.89	2.48	1.84
Ohio	1.31	1.42	1.37	1.17
Oklahoma	1.01	0.93	1.00	1.08
Oregon	1.38	1.43	1.22	1.48
Pennsylvania	1.40	1.49	1.39	1.33
Puerto Rico & Virgin Islands	0.55	0.40	0.70	0.56
Rhode Island	1.88	2.38	1.77	1.48
South Carolina	0.85	0.91	0.86	0.79
South Dakota	1.40	1.21	1.29	1.69
Tennessee	0.99	0.98	0.96	1.03
Texas	0.96	0.98	1.01	0.88
Utah	2.20	2.00	2.41	2.19
Vermont	2.09	2.70	1.76	1.83
Virginia	1.02	1.05	1.06	0.95
Washington	1.43	1.28	1.60	1.42
West Virginia	1.85	1.85	1.80	1.91
Wisconsin	2.06	2.16	2.14	1.89
Wyoming	1.15	1.05	1.77	0.70
Guam	0.08	0.13	.	0.11
Northern Marianas	0.12	.	0.35	.
All	1.08	1.13	1.10	1.00

." Zero patients in this cell.

Patients who died from AIDS are excluded from all calculations.

Includes only dialysis patients who have reached day 91 of ESRD by the end of the year.

Table F.25  
**Mean Time in Days to First Transplant, Cadaveric Donor**  
*from first ESRD service day*

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	348	298	408	433	384	454	459	457	494	510
18-29	577	561	650	610	568	718	695	785	864	894
30-44	653	666	702	739	740	769	766	813	919	913
45-59	759	744	815	775	766	832	834	908	963	951
60+	803	815	856	814	774	874	822	947	941	975
Male	657	656	727	719	713	765	763	825	891	903
Female	702	708	760	756	731	822	807	900	963	958
White	647	631	693	654	661	710	700	771	821	827
Black	793	844	909	982	945	1,024	1,015	1,124	1,212	1,226
Other	545	581	651	698	577	664	695	690	773	791
Hispanic	.	.	.	.	.	.	.	990	1,029	1,118
Non-Hispanic	.	.	.	.	.	.	.	840	908	901
Diabetes	489	518	551	570	621	642	635	679	729	758
Hypertension	831	821	852	905	920	971	967	1,050	1,172	1,199
Glomerulonephritis	866	844	897	880	824	905	929	969	1,057	1,052
Other	616	609	716	675	646	728	701	828	870	853
All	675	677	740	734	720	787	780	854	920	925

Table F.26  
**Mean Time in Days to First Transplant, Living Donor**  
*from first ESRD service day*

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-17	179	149	184	223	164	217	205	242	251	302
18-29	251	280	304	292	280	302	317	343	406	359
30-44	330	289	314	359	347	368	410	427	409	408
45-59	344	431	397	371	406	398	458	398	411	410
60+	368	432	376	509	461	404	510	481	450	409
Male	274	280	298	325	318	350	376	360	377	382
Female	308	320	329	355	339	342	407	428	428	403
White	278	290	292	322	301	321	359	354	360	367
Black	377	405	452	448	451	450	571	582	615	533
Other	235	194	258	338	402	418	381	399	413	371
Hispanic	.	.	.	.	.	.	.	518	530	531
Non-Hispanic	.	.	.	.	.	.	.	371	381	372
Diabetes	253	272	262	274	316	314	343	335	360	387
Hypertension	367	353	420	410	472	453	473	579	537	517
Glomerulonephritis	303	386	404	407	350	404	448	384	400	403
Other	280	243	258	303	283	292	349	360	374	349
All	288	297	311	338	327	347	389	388	399	391

." Zero patients in this cell.



