

F. THE KIDNEY TRANSPLANT PROCESS

This section includes counts and selected statistics, mean and quartiles, of transplants by year of transplant; donor type, living related or cadaveric; donor demographics, age, sex, and race; transplant number; and recipient demographics, age, sex, and race. Tables in this section present transplant counts by various combinations of these factors. In addition counts and distributions of patients with functioning grafts by age of the graft are presented as well as counts of transplants by primary disease, by state, by percent reactive antibodies, by Hepatitis B surface antigen status, by Cytomegalovirus antibody status, and by donor and recipient blood type. Further, transplantation rates per 1000 patient years on dialysis are presented by year, donor type, and recipient demographics and diabetic status. Finally, transplant counts and rates are presented by year, recipient demographics and ESRD Network.

Note that residents of the 50 states, the District of Columbia, Puerto Rico and the Territories are included in these tables.

In 1994 collection of transplant data by both HCFA and the United Network for Organ Sharing (UNOS) was consolidated into a single expanded data collection by UNOS. This data is shared with HCFA and has recently been made available to the USRDS. The data reported in this ADR that is demographic or refers to donor type comes from the USRDS Transplant Standard Analysis File (SAF), which is described in Chapter I. This file includes HCFA PMMIS transplant data before 1988, and UNOS transplant data from 1988 on. Since HCFA PMMIS data also includes transplants from 1988 to 1993 (overlapping with UNOS reporting) we added to the transplant file any transplants from the PMMIS if there is not already a transplant for that patient near the date of the PMMIS transplant record. Transplants which are indicated on Medical Evidence forms also are added to the transplant file using the same algorithm, as are transplants indicated by DRG from the Institutional Claims files. The transplant SAF, comprises to the best of our knowledge, essential data on all the transplants that we know about. Reference tables that present clinical data, i.e., PRA or Blood type, come from the UNOS data file, as it is both more comprehensive and current.

Tables F.25, F.27, and F.28 present transplantation rates as number of transplants per 100 patient years on dialysis. The USRDS methodology for determining when dialysis patients (the denominator) should be considered lost to followup may cause an underestimate of patient years on dialysis. This underestimate, in turn, would cause the transplantation rates to be overstated.

Table F.1
 Counts of Renal Transplants
 by Year of Transplantation and Donor Type
 Comparison of USRDS Patient Database with UNOS Transplant Data and with Annual Facility Surveys

Year	USRDS				UNOS			Annual Facility Survey						
	LIVING	CADAVER	RELATED	UNKNOWN	TOTAL	CADAVER	RELATED	OTHER	TOTAL	CADAVER	DONOR	RELATED	UNRELA-	TOTAL
1977	1231	265	755	2251	..	..	..	..	..	..	..	..	..	..
1978	1882	565	595	3042	..	..	..	..	..	..	..	..	..	..
1979	2181	824	419	3424	..	..	..	..	..	..	..	..	..	..
1980	2453	861	304	3618	..	..	..	..	..	..	..	..	..	..
1981	2732	1138	241	4111	..	..	..	..	..	..	..	..	..	..
1982	3284	1584	162	5030	..	..	..	..	..	..	..	..	..	..
1983	3922	1635	207	5764	..	..	..	..	..	..	..	..	..	..
1984	4810	1605	192	6607	..	..	..	..	..	..	..	..	..	..
1985	5361	1715	227	7303	..	..	..	..	..	..	..	..	..	..
1986	6630	1748	262	8640	..	..	..	..	..	..	..	..	..	..
1987	6647	1763	210	8620	..	..	..	..	7060	1907	..	..	..	8967
1988	7036	1778	108	8922	7216	1812	15	9043	7115	1817	1761	56	8932	8932
1989	6923	1877	114	8914	7069	1902	18	8989	7006	1893	1823	70	8899	8899
1990	7651	2066	97	9814	7774	2095	*	9877	7723	2091	2001	90	9814	9814
1991	7593	2369	79	10041	7729	2393	*	10125	7667	2385	2299	86	10052	10052
1992	7577	2492	115	10184	7691	2534	*	10230	7604	2541	2396	145	10145	10145
1993	8037	2798	79	10914	8168	2847	*	11020	8118	2836	2639	197	10954	10954
1994	8378	3004	79	11461	8378	3004	*	11391	8327	3006	2744	262	11333	11333
1995	8602	3296	90	11988	8602	3296	*	11899	8515	3422	2998	424	11937	11937
1996	8568	3568	112	12248	8570	3569	.	12139	8526	3712	3091	621	12238	12238
1997	8598	3630	171	12399	8600	3631	*	12232	8523	3922	3217	705	12445	12445

*Values for cells with fewer than 10 patients are suppressed.
 "." Represents missing values, i.e., a count of zero.
 NOTE: USRDS Data Base includes only Medicare patients.
 Annual Facility Survey includes Non-Medicare patients.

Table F.2
 Counts of Renal Transplants
 by Recipient Sex, Race, and Age,
 Donor Type, Transplant Number, and Year of Transplant

TOTAL												
	YEAR OF TRANSPLANTATION											
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	TOTAL
RECIPIENT SEX												
Unknown	22	16	28	67	58	73	47	11	*	*	*	329
Male	5302	5383	5346	5828	5971	5957	6516	6885	7295	7310	7352	69145
Female	3281	3468	3498	3872	3971	4105	4307	4549	4680	4916	4948	45595
RECIPIENT RACE												
Native Amer.	81	106	112	105	124	120	117	149	140	151	136	1341
Asian	305	312	287	319	322	367	343	435	438	472	511	4111
Black	1697	1835	1783	1960	2003	2112	2243	2772	2835	2909	2800	24949
White	6474	6497	6547	7217	7384	7370	7948	7966	8470	8550	8640	83063
Unknown	18	74	93	85	100	103	133	30	28	21	35	720
Other	30	43	50	81	67	63	86	93	67	124	181	885
RECIPIENT AGE												
0-19	831	776	777	789	788	721	771	883	887	867	783	8873
20-44	4882	4968	5037	5433	5481	5408	5654	5746	5827	5663	5534	59633
45-64	2710	2896	2840	3231	3377	3562	3993	4289	4650	5016	5279	41843
65-74	176	218	210	298	343	420	436	510	587	661	672	4531
75 PLUS	*	*	*	16	11	24	16	17	27	20	35	189
TRANSPLANT NO.												
1	7457	7637	7695	8452	8706	8876	9657	10124	10568	10874	10944	100990
2	1001	1069	1032	1117	1117	1063	1054	1154	1219	1142	1167	12135
3	126	148	124	170	157	177	139	144	160	186	168	1699
4	19	13	19	25	19	18	16	18	25	21	19	212
5	*	..	*	*	*	*	*	*	*	*	*	31
6	..	..	..	*	..	..	..	..	..	..	..	*
7	..	..	..	..	..	..	..	*	..	..	..	*
TOTAL	8605	8867	8872	9767	10000	10135	10870	11445	11978	12227	12303	115069

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*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.2 (Continued)
 Counts of Renal Transplants
 by Recipient Sex, Race, and Age,
 Donor Type, Transplant Number, and Year of Transplant

DONOR TYPE OTHER												
YEAR OF TRANSPLANTATION												
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	TOTAL
RECIPIENT SEX												
Unknown												*
Male	129	69	65	56	50	63	47	50	49	65	104	747
Female	81	39	49	41	29	50	32	27	41	46	64	499
RECIPIENT RACE												
Native Amer.	*	*	*	*	*	*	*	*	*	*	*	*
Asian	10	*	*	*	*	*	*	*	*	*	*	42
Black	43	31	32	22	21	44	18	22	20	16	18	287
White	153	70	78	70	53	66	57	53	62	86	141	889
Unknown	*	*	*	*	*	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*	*	*	*	*	18
RECIPIENT AGE												
0-19	30	13	16	*	*	*	*	11	19	34	42	195
20-44	112	53	50	52	32	51	41	35	40	41	70	577
45-64	51	34	38	24	28	36	26	26	29	35	50	377
65-74	12	*	*	*	*	17	*	*	*	*	*	75
75 PLUS	*	*	*	*	*	*	*	*	*	*	*	24
TRANSPLANT NO.												
1	154	64	66	65	48	87	49	53	69	95	148	898
2	44	35	46	24	26	26	26	21	18	11	17	294
3	10	*	*	*	*	*	*	*	*	*	*	52
4	*	*	*	*	*	*	*	*	*	*	*	*
TOTAL	210	108	114	97	79	115	79	77	90	111	168	1248

DONOR TYPE CADAVER												
YEAR OF TRANSPLANTATION												
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	TOTAL
RECIPIENT SEX												
Unknown	20	15	27	51	38	59	35	10	*	*	*	262
Male	4147	4234	4180	4614	4578	4492	4832	5105	5352	5183	5166	51883
Female	2467	2739	2684	2951	2946	2991	3138	3250	3242	3374	3382	33164
RECIPIENT RACE												
Native Amer.	58	81	88	77	87	88	85	107	93	106	89	959
Asian	247	260	240	273	266	295	268	317	321	366	398	3251
Black	1466	1583	1527	1708	1671	1734	1814	2204	2244	2273	2240	20464
White	4825	4972	4928	5434	5421	5311	5698	5648	5886	5743	5709	59575
Unknown	12	57	64	62	69	70	85	18	19	15	24	495
Other	26	35	44	62	48	44	55	71	34	55	91	565
RECIPIENT AGE												
0-19	466	431	429	436	373	349	344	484	429	387	343	4471
20-44	3673	3782	3820	4086	4016	3912	4013	3981	4049	3805	3674	42811
45-64	2343	2564	2441	2818	2854	2911	3248	3437	3607	3810	3968	34001
65-74	151	204	195	266	311	353	385	446	492	538	537	3878
75 PLUS	*	*	*	10	*	17	15	17	20	18	29	148
TRANSPLANT NO.												
1	5663	5947	5887	6478	6483	6491	7037	7313	7483	7509	7487	73778
2	850	903	871	965	928	877	839	918	951	882	905	9889
3	104	126	114	148	133	158	113	113	135	146	137	1427
4	15	12	17	22	17	15	14	18	22	17	18	187
5	*	*	*	*	*	*	*	*	*	*	*	27
6	*	*	*	*	*	*	*	*	*	*	*	*
TOTAL	6634	6988	6891	7616	7562	7542	8005	8365	8597	8558	8551	85309

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*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.2 (Continued)
 Counts of Renal Transplants
 by Recipient Sex, Race, and Age,
 Donor Type, Transplant Number, and Year of Transplant

DONOR TYPE LIVING RELATED												
YEAR OF TRANSPLANTATION												
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	TOTAL
RECIPIENT SEX												
Unknown	*	*	*	16	20	12	12	*	.	.	.	65
Male	1026	1080	1101	1158	1343	1402	1637	1730	1894	2062	2082	16515
Female	733	690	765	880	996	1064	1137	1272	1397	1496	1502	11932
RECIPIENT RACE												
Native Amer.	21	24	24	27	35	30	31	42	47	45	47	373
Asian	48	48	45	42	54	70	73	116	113	102	107	818
Black	188	221	224	230	311	334	411	546	571	620	542	4198
White	1496	1455	1541	1713	1910	1993	2193	2265	2522	2721	2790	22599
Unknown	*	17	29	23	30	33	48	12	*	*	10	222
Other	*	*	*	19	19	18	30	22	29	64	88	302
RECIPIENT AGE												
0-19	335	332	332	344	407	367	419	388	439	446	398	4207
20-44	1097	1133	1167	1295	1433	1445	1600	1730	1738	1817	1790	16245
45-64	316	298	361	389	495	615	719	826	1014	1171	1261	7465
65-74	13	*	*	24	24	50	48	59	94	122	129	578
75 PLUS	.	.	.	*	.	*	.	.	*	*	*	17
TRANSPLANT NO.												
1	1640	1626	1742	1909	2175	2298	2571	2758	3016	3270	3309	26314
2	107	131	115	128	163	160	189	215	250	249	245	1952
3	12	14	*	14	19	17	22	28	22	36	28	220
4	*	.	*	*	*	*	*	.	*	*	*	21
5	.	.	.	.	.	.	*	*	.	.	*	*
7	.	.	.	.	.	.	.	*	.	.	.	*
TOTAL	1761	1771	1867	2054	2359	2478	2786	3003	3291	3558	3584	28512

*Values for cells with fewer than 10 patients are suppressed.
 "." Represents missing values, i.e., a count of zero.

Table F.3
 Counts of Renal Transplants
 by Recipient Sex and Race,
 Donor Type, Transplant Number and Year of Transplant
 for Recipients Less Than 20 Years of Age

		YEAR OF TRANSPLANTATION											
		1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	TOTAL
RECIPIENT SEX													
Unknown		*	*	*	*	*	12	*	*	.	.	.	38
Male		483	476	443	475	453	417	441	530	530	547	461	5256
Female		347	298	333	307	327	292	324	352	357	320	322	3579
RECIPIENT RACE													
Native Amer.		11	12	*	*	18	12	*	16	11	10	*	116
Asian		23	22	31	24	23	17	24	21	33	33	32	283
Black		125	143	148	143	136	122	135	218	208	187	143	1708
White		668	583	574	598	585	537	570	609	616	617	565	6522
Unknown		*	*	13	13	15	22	18	*	*	*	*	111
Other		*	*	*	*	11	11	15	13	15	16	32	133
DONOR TYPE													
OTHER		30	13	16	*	*	*	*	11	19	34	42	195
CADAVER		466	431	429	436	373	349	344	484	429	387	343	4471
LIVING RELATED		335	332	332	344	407	367	419	388	439	446	398	4207
TRANSPLANT NO.													
1		678	640	634	653	658	608	677	748	767	761	701	7525
2		121	117	125	116	111	92	80	116	100	87	67	1132
3		26	17	15	18	15	19	12	17	15	16	13	183
4		*	*	*	*	*	*	*	*	*	*	*	29
5		.	.	.	.	.	.	.	.	.	.	.	*
DONOR TYPE TRANSPLANT NUMBER													
OTHER	FIRST TRANSPLANT	22	11	10	*	*	*	*	*	19	31	41	161
	TRANSPLANT 2+	*	*	*	*	*	*	*	*	.	*	*	34
CADAVER	FIRST TRANSPLANT	346	334	317	321	280	267	279	377	340	315	292	3468
	TRANSPLANT 2+	120	97	112	115	93	82	65	107	89	72	51	1003
LIVING RELATED	FIRST TRANSPLANT	310	295	307	325	373	338	395	362	408	415	368	3896
	TRANSPLANT 2+	25	37	25	19	34	29	24	26	31	31	30	311
TOTAL		831	776	777	789	788	721	771	883	887	867	783	8873

*Values for cells with fewer than 10 patients are suppressed.
 "." Represents missing values, i.e., a count of zero.

Table F.4
 Patients with Functioning Graft at End of Year
 by Age of Graft, Transplants (All Donors) Performed Since 1977

Age of Graft	YEAREND										
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
0-1	7132	7360	7558	8384	8873	8942	9659	10345	10933	11325	11623
1-2	6397	6390	6595	6887	7697	8293	8344	8977	9659	10303	10693
2-3	4878	5857	5852	6104	6419	7206	7799	7827	8425	9123	9755
3-4	3829	4437	5384	5395	5662	5985	6702	7290	7345	7879	8539
4-5	2892	3489	4050	4945	4980	5233	5545	6223	6750	6823	7390
5-6	2307	2700	3236	3708	4559	4633	4839	5162	5753	6237	6321
6-7	1724	2137	2489	2971	3429	4222	4317	4471	4757	5296	5751
7-8	1302	1598	1986	2318	2759	3165	3859	3913	4084	4411	4900
8-9	1102	1211	1477	1854	2171	2554	2902	3551	3601	3765	4021
9-10	900	1017	1123	1382	1731	2030	2320	2641	3250	3311	3459
10-11	674	845	956	1048	1281	1623	1896	2108	2407	2986	3045
11-12	..	633	780	902	981	1206	1528	1752	1924	2193	2721
12-13	..	..	594	723	856	902	1129	1422	1622	1776	2025
13-14	..	..	..	555	680	803	840	1068	1323	1525	1664
14-15	..	..	..	..	517	649	749	799	983	1247	1412
15	..	..	..	..	..	479	613	699	748	931	1180
16	..	..	..	..	..	..	446	575	668	709	880
17	..	..	..	..	..	..	..	411	543	626	672
18	..	..	..	..	..	..	..	..	383	517	596
19	..	..	..	..	..	..	..	..	..	359	487
20	..	..	..	..	..	..	..	..	..	..	340
Total	33137	37674	42080	47176	52595	57925	63487	69234	75158	81342	87474

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.5
 Percent Distribution of Patients with Functioning Graft at End of Year
 by Age of Graft, Transplants (All Donors) Performed Since 1977

Age of Graft	YEAREND										
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
.0-1	21.52%	19.54%	17.96%	17.77%	16.87%	15.44%	15.21%	14.94%	14.55%	13.92%	13.29%
.1-2	19.30%	16.96%	15.67%	14.60%	14.63%	14.32%	13.14%	12.97%	12.85%	12.67%	12.22%
.2-3	14.72%	15.55%	13.91%	12.94%	12.20%	12.44%	12.28%	11.31%	11.21%	11.22%	11.15%
.3-4	11.56%	11.78%	12.79%	11.44%	10.77%	10.33%	10.56%	10.53%	9.77%	9.69%	9.76%
.4-5	8.73%	9.26%	9.62%	10.48%	9.47%	9.03%	8.73%	8.99%	8.98%	8.39%	8.45%
.5-6	6.96%	7.17%	7.69%	7.86%	8.67%	8.00%	7.62%	7.46%	7.65%	7.67%	7.23%
.6-7	5.20%	5.67%	5.91%	6.30%	6.52%	7.29%	6.80%	6.46%	6.33%	6.51%	6.57%
.7-8	3.93%	4.24%	4.72%	4.91%	5.25%	5.46%	6.08%	5.65%	5.43%	5.42%	5.60%
.8-9	3.33%	3.21%	3.51%	3.93%	4.13%	4.41%	4.57%	5.13%	4.79%	4.63%	4.60%
.9-10	2.72%	2.70%	2.67%	2.93%	3.29%	3.50%	3.65%	3.81%	4.32%	4.07%	3.95%
.10-11	2.03%	2.24%	2.27%	2.22%	2.44%	2.80%	2.99%	3.04%	3.20%	3.67%	3.48%
.11-12	.	1.68%	1.85%	1.91%	1.87%	2.08%	2.41%	2.53%	2.56%	2.70%	3.11%
.12-13	.	.	1.41%	1.53%	1.63%	1.56%	1.78%	2.05%	2.16%	2.18%	2.31%
.13-14	.	.	.	1.18%	1.29%	1.39%	1.32%	1.54%	1.76%	1.87%	1.90%
.14-15	.	.	.	.	0.98%	1.12%	1.18%	1.15%	1.31%	1.53%	1.61%
.15	.	.	.	.	.	0.83%	0.97%	1.01%	1.00%	1.14%	1.35%
.16	.	.	.	.	.	.	0.70%	0.83%	0.89%	0.87%	1.01%
.17	.	.	.	.	.	.	.	0.59%	0.72%	0.77%	0.77%
.18	.	.	.	.	.	.	.	.	0.51%	0.64%	0.68%
.19	.	.	.	.	.	.	.	.	.	0.44%	0.56%
.20	.	.	.	.	.	.	.	.	.	.	0.39%
.Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

*Values for cells with fewer than 10 patients are suppressed.
 "." Represents missing values, i.e., a count of zero.

Table F.6
 Counts of Renal Transplants
 by Donor Type, Primary Disease Causing ESRD,
 and Year of Transplantation

		YEAR OF TRANSPLANTATION											
		1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	
, DONOR TYPE	DISEASE GROUP ,												
	, CADAVER	Missing Cause ,	347	494	456	414	390	367	380	366	387	423	576
		Diabetes ,	1338	1425	1524	1680	1791	1772	2155	2189	2306	2340	2348
		Hypertension ,	1071	1161	1089	1304	1262	1356	1394	1600	1569	1564	1530
		Glomeruloneph. ,	1843	1879	1843	2036	1992	1893	1830	1944	2035	1968	1911
		Cystic Kidney ,	604	624	559	659	618	679	694	629	738	718	720
		Other Urologic ,	98	91	86	126	159	117	158	153	160	155	147
		Other Cause ,	972	956	987	1024	958	961	975	1019	1031	1046	997
		Unknown Cause ,	374	406	379	408	423	432	451	478	376	354	369
		TOTAL	6647	7036	6923	7651	7593	7577	8037	8378	8602	8568	8598
, LIVING	DISEASE GROUP ,												
	, RELATED	Missing Cause ,	89	149	141	160	175	165	216	182	198	239	393
		Diabetes ,	364	356	375	421	503	476	532	615	641	737	684
		Hypertension ,	166	166	169	168	249	316	349	422	426	455	435
		Glomeruloneph. ,	556	573	592	660	684	687	720	846	976	1016	993
		Cystic Kidney ,	75	75	78	99	117	135	142	153	207	217	228
		Other Urologic ,	42	41	45	61	81	96	121	105	117	134	126
		Other Cause ,	341	318	363	368	425	422	490	477	574	614	621
		Unknown Cause ,	130	100	114	129	135	195	228	204	157	156	150
		TOTAL	1763	1778	1877	2066	2369	2492	2798	3004	3296	3568	3630
, TOTAL	DISEASE GROUP ,												
		Missing Cause ,	436	643	597	574	565	532	596	548	585	662	969
		Diabetes ,	1702	1781	1899	2101	2294	2248	2687	2804	2947	3077	3032
		Hypertension ,	1237	1327	1258	1472	1511	1672	1743	2022	1995	2019	1965
		Glomeruloneph. ,	2399	2452	2435	2696	2676	2580	2550	2790	3011	2984	2904
		Cystic Kidney ,	679	699	637	758	735	814	836	782	945	935	948
		Other Urologic ,	140	132	131	187	240	213	279	258	277	289	273
		Other Cause ,	1313	1274	1350	1392	1383	1383	1465	1496	1605	1660	1618
		Unknown Cause ,	504	506	493	537	558	627	679	682	533	510	519
		TOTAL	8410	8814	8800	9717	9962	10069	10835	11382	11898	12136	12228

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.7
 Counts of Renal Transplants
 by State and Donor Type, 1997

State of Residence	DONOR TYPE			TOTAL
	OTHER	CADAVER	RELATED	
				PERCENTAGE
Alabama	*	138	63	203
Alaska	*	14	*	24
Arizona	..	98	58	156
Arkansas	*	78	36	115
California	25	902	386	1313
Colorado	..	107	46	153
Connecticut	..	71	56	127
Delaware	*	28	18	47
District of Columbia	*	20	*	26
Florida	*	501	128	634
Georgia	*	226	49	276
Hawaii	*	34	*	44
Idaho	*	25	18	45
Illinois	*	445	167	619
Indiana	*	152	63	216
Iowa	..	89	37	126
Kansas	..	69	28	97
Kentucky	..	140	46	186
Louisiana	*	142	48	193
Maine	*	18	*	22
Maryland	*	194	115	310
Massachusetts	*	175	86	265
Michigan	*	258	222	484
Minnesota	*	152	122	278
Mississippi	*	69	28	100
Missouri	*	164	73	240
Montana	..	23	13	36
Nebraska	*	51	22	74
Nevada	..	55	25	80
New Hampshire	*	16	17	34
New Jersey	*	292	96	393
New Mexico	..	42	13	55
New York	16	512	178	706
North Carolina	*	212	91	305
North Dakota	..	16	14	30
Ohio	*	395	149	546
Oklahoma	*	75	22	98
Oregon	..	69	46	115
Pennsylvania	..	527	140	667
Rhode Island	..	35	22	57
South Carolina	*	138	46	185
South Dakota	..	26	*	34
Tennessee	*	149	70	222
Texas	13	600	154	767
Utah	*	55	36	93
Vermont	..	15	*	24
Virginia	..	244	95	339
Washington	*	128	57	188
West Virginia	..	74	20	94
Wisconsin	*	205	105	314
Wyoming	..	*	*	14
Puerto Rico	*	34	28	63
Virgin Islands	..	..	*	*
Unknown State	..	144	111	255
TOTAL	128	8450	3510	12088

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.8
 Counts of Renal Transplants
 by Year of Transplantation and Detailed Recipient Age Groups

Recipient Age	YEAR OF TRANSPLANTATION										
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
0- 4	109	93	95	96	100	100	121	83	96	124	124
5- 9	120	105	126	129	148	110	123	119	142	142	125
10- 14	207	209	199	179	197	184	185	219	236	218	199
15- 19	395	369	357	385	343	327	342	462	413	383	335
20- 24	584	596	571	608	616	579	615	586	564	539	511
25- 29	943	892	1010	1040	1008	931	989	953	947	929	905
30- 34	1066	1157	1094	1197	1225	1239	1290	1278	1257	1230	1171
35- 39	1171	1231	1203	1289	1263	1308	1331	1435	1561	1411	1394
40- 44	1118	1092	1159	1299	1369	1351	1429	1494	1498	1554	1553
45- 49	911	985	943	1060	1128	1192	1314	1426	1529	1697	1621
50- 54	795	815	801	915	897	969	1113	1181	1296	1319	1455
55- 59	647	651	669	772	785	825	889	1013	1026	1120	1274
60- 64	357	445	427	484	567	576	677	669	799	880	929
65- 69	149	184	176	235	276	326	334	388	446	507	522
70- 74	27	34	34	63	67	94	102	122	141	154	150
75- 79	*	*	*	13	*	17	15	15	24	16	32
80- 84	*	*	..	..	*	*	*	*	*	*	*
85 plus	..	..	..	..	*	*	..	..	..	*	*
TOTAL	8605	8867	8872	9767	10000	10135	10870	11445	11978	12227	12303

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i. e., a count of zero.

Table F.9
 Counts of Renal Transplants
 by Donor Type, Transplant Number, Recipient Age,
 and Year of Transplantation

DONOR TYPE CADAVER
 AND TRANSPLANT NUMBER FIRST TRANSPLANT

RECIPIENT AGE	YEAR OF TRANSPLANTATION										
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
0- 4	37	35	31	43	29	39	31	34	29	39	39
5- 9	35	48	50	40	41	35	47	40	47	60	57
10- 14	88	81	74	70	69	59	60	88	93	80	81
15- 19	186	170	162	168	141	134	141	215	171	136	115
20- 24	287	301	291	318	310	285	286	246	275	230	197
25- 29	519	479	582	567	544	493	516	485	499	460	473
30- 34	663	700	666	708	728	729	770	738	727	668	616
35- 39	790	826	775	852	804	813	845	903	920	844	784
40- 44	801	788	850	906	923	912	970	982	959	979	954
45- 49	684	769	712	788	822	842	929	989	1043	1098	1083
50- 54	632	632	610	702	685	725	815	864	885	917	980
55- 59	505	535	541	635	604	614	685	758	743	798	887
60- 64	290	383	351	417	479	459	558	533	603	663	675
65- 69	125	163	159	201	238	259	283	320	354	391	396
70- 74	20	30	27	53	58	76	87	102	115	128	122
75- 79	*	*	*	*	*	14	13	14	17	14	26
80- 84	..	..	..	..	*	*	*	*	*	*	*
85 plus	..	..	..	..	*	*	*	*	*	*	..
TOTAL	5663	5947	5887	6478	6483	6491	7037	7313	7483	7509	7487

DONOR TYPE CADAVER
 AND TRANSPLANT NUMBER TRANSPLANT 2+

RECIPIENT AGE	YEAR OF TRANSPLANTATION										
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
0- 4	*	*	*	*	*	*	*	*	..	*	*
5- 9	23	13	22	24	19	*	14	19	10	11	*
10- 14	37	28	29	28	26	17	16	31	27	16	20
15- 19	53	48	54	58	43	52	33	53	52	40	25
20- 24	87	92	71	95	77	81	73	71	57	55	50
25- 29	123	125	142	138	129	120	124	108	123	108	99
30- 34	131	162	141	180	164	166	136	150	137	137	154
35- 39	153	175	182	169	167	160	146	144	198	169	173
40- 44	119	134	120	153	170	153	147	154	154	155	174
45- 49	90	91	79	123	101	105	121	130	137	146	145
50- 54	60	73	81	83	75	73	71	75	96	82	92
55- 59	53	51	45	44	65	60	51	63	60	68	67
60- 64	29	30	22	26	23	33	18	25	40	38	39
65- 69	*	10	*	*	14	13	11	17	16	17	16
70- 74	*	*	*	*	*	*	*	*	*	*	*
75- 79	..	..	..	..	..	..	*	*	..	..	*
TOTAL	971	1041	1004	1138	1079	1051	968	1052	1114	1049	1064

(CONTINUED)

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i. e., a count of zero.

Table F.9 (Continued)
 Counts of Renal Transplants
 by Donor Type, Transplant Number, Recipient Age,
 and Year of Transplantation

DONOR TYPE LIVING RELATED
 AND TRANSPLANT NUMBER FIRST TRANSPLANT

RECIPIENT AGE	YEAR OF TRANSPLANTATION										
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
0- 4	59	46	54	45	62	54	84	42	63	71	74
5- 9	53	31	49	60	78	62	60	54	71	64	50
10- 14	68	86	88	74	91	98	99	89	102	103	80
15- 19	130	132	116	146	142	124	152	177	172	177	164
20- 24	175	176	190	173	205	187	232	237	208	227	224
25- 29	255	263	254	298	292	281	316	319	290	312	291
30- 34	231	258	247	266	292	293	333	348	336	368	354
35- 39	194	206	224	232	270	293	300	339	388	347	370
40- 44	160	143	166	215	249	261	277	318	340	363	372
45- 49	120	107	133	136	185	218	232	280	319	417	349
50- 54	85	92	94	119	128	159	202	223	290	294	351
55- 59	67	53	74	83	103	140	144	173	201	236	299
60- 64	30	25	47	36	55	79	93	101	143	168	199
65- 69	11	*	*	21	19	46	37	48	70	98	103
70- 74	*	..	..	*	*	*	10	10	18	23	23
75- 79	..	..	..	*	..	..	..	..	*	*	*
85 plus	..	..	..	..	..	..	..	..	..	..	*
TOTAL	1640	1626	1742	1909	2175	2298	2571	2758	3016	3270	3309

DONOR TYPE LIVING RELATED
 AND TRANSPLANT NUMBER TRANSPLANT 2+

RECIPIENT AGE	YEAR OF TRANSPLANTATION										
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
0- 4	*	*	*	*	*	*	*	*	*	*	*
5- 9	*	*	*	*	*	*	*	*	*	*	*
10- 14	*	11	*	*	*	*	*	*	*	*	*
15- 19	*	15	16	*	16	13	12	13	15	15	15
20- 24	20	17	13	15	18	16	18	29	20	24	24
25- 29	18	20	23	31	29	31	28	36	29	39	32
30- 34	19	21	26	29	37	38	46	35	50	50	32
35- 39	14	12	12	24	18	26	27	41	45	43	54
40- 44	11	17	12	12	23	19	23	28	32	44	37
45- 49	*	*	*	*	*	13	21	19	22	26	29
50- 54	*	*	*	*	*	*	17	16	18	16	19
55- 59	*	*	*	*	*	*	*	16	*	*	*
60- 64	*	*	..	*	*	..	*	*	*	*	*
65- 69	..	..	*	..	*	*	*	..	*	..	*
70- 74	..	..	..	..	..	..	..	*	*	*	*
75- 79	..	..	..	..	..	..	..	..	..	..	..
TOTAL	121	145	125	145	184	180	215	245	275	288	275

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i. e. , a count of zero.

Table F.10
 Counts of Renal Transplants
 by Recipient Sex, Race, and Age,
 1995 - 1997

Age at transplant	Recipient Sex											
	Male					Female						
	Recipient Race					Recipient Race						
	Amer.	Asian	Black	White	Other	Total	Amer.	Asian	Black	White	Other	Total
0- 4	10	35	174	13	232	*	*	14	86	*	112	
5- 9	*	*	53	176	11	252	*	*	20	124	*	157
10- 14	*	11	92	262	11	380	*	13	53	202	*	273
15- 19	*	23	173	450	20	674	*	22	98	324	*	457
20- 24	12	43	213	601	20	889	*	33	188	477	18	725
25- 29	11	72	402	1041	19	1545	17	45	318	836	20	1236
30- 34	15	56	462	1521	26	2080	14	52	340	1156	16	1578
35- 39	24	79	591	1886	28	2608	17	90	413	1221	15	1756
40- 44	29	95	697	1969	32	2822	15	102	447	1199	19	1782
45- 49	43	99	759	2067	33	3001	26	104	421	1274	18	1843
50- 54	40	76	613	1758	34	2521	21	79	365	1066	17	1548
55- 59	25	92	504	1385	19	2025	26	51	349	958	11	1395
60- 64	27	58	352	1180	11	1628	13	42	233	682	10	980
65- 69	10	26	151	735	*	927	*	12	106	419	*	548
70- 74	..	11	42	259	*	313	*	*	26	101	..	132
75- 79	*	*	*	47	..	53	..	..	*	16	..	19
80- 84	..	*	*	*	..	*	..	..	*	*	..	*
85 plus	..	..	*	..	..	*	..	..	*	..	..	*
Total	253	761	5147	15513	283	21957	174	660	3395	10143	172	14544

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.11
 Counts of Renal Transplants
 by Recipient Race and Age,
 1995-1997

		Recipient Race						
		Amer.	Asian	Black	White	own	Other	Total
		%						
Age at								
transpl-								
ant								
0- 4	*	15,	49,	260,	*	16,	344,	
5- 9	*	14,	73,	300,	*	12,	409,	
10-14	*	24,	145,	464,	*	13,	653,	
15-19	15,	45,	271,	774,	*	22,	1131,	
20-24	21,	76,	401,	1078,	*	37,	1614,	
25-29	28,	117,	720,	1877,	*	30,	2781,	
30-34	29,	108,	802,	2677,	*	34,	3658,	
35-39	41,	169,	1004,	3109,	*	38,	4366,	
40-44	44,	197,	1145,	3168,	*	43,	4605,	
45-49	69,	203,	1181,	3342,	14,	38,	4847,	
50-54	61,	155,	978,	2825,	12,	39,	4070,	
55-59	51,	143,	853,	2343,	*	22,	3420,	
60-64	40,	100,	585,	1862,	*	15,	2608,	
65-69	13,	38,	257,	1154,	*	12,	1475,	
70-74	*	15,	68,	360,	..	*	445,	
75-79	*	*	*	63,	..	..	72,	
80-84	..	*	*	*	..	..	*
85 plus	..	..	*	*	..	..	*
Total	427,	1421,	8544,	25660,	84,	372,	36508,	

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.12
 Counts of Renal Transplants
 by Recipient Age and Sex,
 Donor Type, Age, Race, and Sex 1995-1997

DONOR TYPE CADAVER			RECIPIENT SEX					
			Male			Female		
			RECIPIENT AGE		RECIPIENT AGE			
			0-19		20-44		45-PLUS	
DONOR SEX	DONOR RACE	DONOR AGE	0-19	20-44	45-PLUS	0-19	20-44	45-PLUS
Male	OTHER	0-19	25	21	18	24	18	18
		20-44	34	48	20	20	21	
		45-PLUS	22	25	15	14	14	
	BLACK	UNKNOWN						
		0-19	27	207	180	23	140	127
		20-44	22	260	264	14	158	142
	WHITE	UNKNOWN						
		0-19	137	1017	961	96	692	612
		20-44	155	1565	1744	103	1031	964
	TOTAL	UNKNOWN						
		0-19	166	1249	1162	122	856	757
		20-44	179	1859	2056	121	1209	1127
	Female	OTHER	0-19	21	15	14	14	14
			20-44	22	36	17	17	25
			45-PLUS	21	25	11	23	23
BLACK		UNKNOWN						
		0-19	16	62	65	47	49	
		20-44	107	125	73	73	58	
WHITE		UNKNOWN						
		0-19	76	492	469	45	339	301
		20-44	72	892	909	64	572	526
TOTAL		UNKNOWN						
		0-19	96	575	549	52	400	354
		20-44	82	1021	1070	68	662	609
TOTAL		OTHER	0-19	46	36	38	38	22
			20-44	56	84	37	37	46
			45-PLUS	43	50	26	37	37
	BLACK	UNKNOWN						
		0-19	43	269	245	30	187	176
		20-44	31	367	389	16	231	200
	WHITE	UNKNOWN						
		0-19	213	1509	1430	141	1031	913
		20-44	227	2457	2653	167	1603	1490
	TOTAL	UNKNOWN						
		0-19	262	1824	1711	174	1256	1111
		20-44	261	2880	3126	189	1871	1736
			111	1651	2713	67	1179	1589

(CONTINUED)

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.12 (Continued)
 Counts of Renal Transplants
 by Recipient Age and Sex,
 Donor Type, Age, Race, and Sex 1995-1997

DONOR TYPE LIVING RELATED			RECIPIENT SEX					
			Male			Female		
			RECIPIENT AGE		RECIPIENT AGE			
			45-		45-			
			0-19		20-44, PLUS		0-19	
			20-44, PLUS		0-19		20-44, PLUS	
DONOR SEX	DONOR RACE	DONOR AGE						
Male	OTHER	0-19	*	*	*	*	*	*
		20-44	35	22	11	28	19	
		45-PLUS	11	11	*	*	12	
	BLACK	0-19	*	*	*	*	*	
		20-44	32	114	87	11	109	83
		45-PLUS	*	18	23	*	19	16
	WHITE	0-19	*	18	*	*	16	*
		20-44	207	726	437	122	583	285
		45-PLUS	63	252	235	39	187	209
	TOTAL	0-19	*	26	14	*	20	*
		20-44	244	875	546	144	720	387
		45-PLUS	74	281	269	44	215	237
Female	DONOR RACE	0-19	*	*	*	*	*	*
	OTHER	20-44	*	29	32	*	31	25
		45-PLUS	*	17	17	*	18	13
	BLACK	UNKNOWN	*	*	*	*	*	*
		0-19	*	*	*	*	*	*
		20-44	43	161	91	26	158	118
		45-PLUS	*	39	32	*	26	20
	WHITE	UNKNOWN	*	*	*	*	*	*
		0-19	12	22	13	14	26	*
		20-44	273	935	567	170	636	405
		45-PLUS	65	417	504	41	336	235
	TOTAL	UNKNOWN	*	*	*	*	*	*
		0-19	13	26	17	15	29	*
		20-44	325	1125	690	203	825	548
		45-PLUS	74	473	553	43	380	268
TOTAL	DONOR RACE	0-19	*	*	*	*	*	*
	OTHER	20-44	14	64	54	18	59	44
		45-PLUS	*	28	28	*	27	25
	BLACK	UNKNOWN	*	*	*	*	*	*
		0-19	*	*	*	*	*	*
		20-44	75	275	178	37	267	201
		45-PLUS	14	57	55	*	45	36
	WHITE	UNKNOWN	*	*	*	*	*	*
		0-19	18	40	22	19	42	*
		20-44	480	1661	1004	292	1219	690
		45-PLUS	128	669	739	80	523	444
	TOTAL	UNKNOWN	*	*	*	*	*	*
		0-19	22	52	31	22	49	13
		20-44	569	2000	1236	347	1545	935
		45-PLUS	148	754	822	87	595	505

*Values for cells with fewer than 10 patients are suppressed.
 "." Represents missing values, i.e., a count of zero.

Table F.13
 Counts of Renal Transplants
 1993-1997
 by Transplant Number, Donor Type, and Age,
 and Recipient Age

		TRANSPLANT NUMBER		ALL TRANSPLANTS				
		FIRST TRANSPLANT	TRANSPLANT 2+	ALL TRANSPLANTS			%	
		DONOR TYPE		DONOR TYPE		DONOR TYPE		
		LIVING	LIVING	LIVING			%	
		CADAVER	RELATED	CADAVER	RELATED	TOTAL		
DONOR AGE AT TRANSPLANT		RECIPIENT AGE						
TRANSPLANT	AT TRANSPLANT						%	
UNKNOWN	UNKNOWN	11	10	..	..	11	10	21
	0-19	84	96	13	*	97	103	200
	20-44	699	340	175	47	874	387	1261
	45-64	843	245	68	18	911	263	1174
	65 PLUS	126	27	*	..	131	27	158
0-19	UNKNOWN	34	*	*	*	35	*	37
	0-19	617	52	144	*	761	59	820
	20-44	4634	141	824	30	5458	171	5629
	45-64	3914	50	364	*	4278	56	4334
	65 PLUS	475	*	29	..	504	*	506
20-44	UNKNOWN	35	42	..	..	35	42	77
	0-19	636	1452	148	106	784	1558	2342
	20-44	7065	5267	1287	600	8352	5867	14219
	45-64	6516	2795	668	172	7184	2967	10151
	65 PLUS	839	288	40	*	879	296	1175
45-64	UNKNOWN	21	18	..	..	21	18	39
	0-19	258	345	74	22	332	367	699
	20-44	3660	1977	855	179	4515	2156	6671
	45-64	4592	1580	426	77	5018	1657	6675
	65 PLUS	733	106	27	*	760	110	870
65 PLUS	UNKNOWN	*	*	*	..	*	*	*
	0-19	10	*	*	..	15	*	18
	20-44	268	84	55	10	323	94	417
	45-64	641	44	38	*	679	48	727
	65 PLUS	221	30	*	*	224	31	255
TOTAL		36933	14997	5250	1299	42183	16296	58479

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.14
Counts of Renal Transplants
1993-1997
by Donor Type and Race, Recipient Race,
Transplant Number, and Year of Transplantation

Table with columns for Donor Type (CADAVER), Transplant Number (FIRST, 2+, ALL), Recipient Race (UNKNOWN, OTHER, BLACK, WHITE), and Year of Transplantation (1993-1997, TOTAL). Rows show counts for various combinations of these factors.

Table with columns for Donor Type (LIVING RELATED), Transplant Number (FIRST, 2+, ALL), Recipient Race (UNKNOWN, OTHER, BLACK, WHITE), and Year of Transplantation (1993-1997, TOTAL). Rows show counts for various combinations of these factors.

*Values for cells with fewer than 10 patients are suppressed.
"." Represents missing values, i.e., a count of zero.

Table F.15
 Counts of Renal Transplants, 1993-1997
 for Recipients Less Than 20 Years of Age
 by Transplant Number, Donor Type, and Age, and Recipient Age

		TRANSPLANT NUMBER		ALL TRANSPLANTS				
		FIRST TRANSPLANT		TRANSPLANT 2+		ALL TRANSPLANTS		
		DONOR TYPE		DONOR TYPE		DONOR TYPE		
		LIVING		LIVING		LIVING		
		CADAVER		CADAVER		CADAVER		
		RELATED		RELATED		RELATED		
		TOTAL		TOTAL		TOTAL		
		%		%		%		
DONOR AGE AT RECIPIENT AGE,								
TRANSPLANT	AT TRANSPLANT,							
UNKNOWN	.	11,	10,	..	..	11,	10,	21,
< 1	.	*	*	..	*
1-4	.	10,	14,	..	..	10,	14,	24,
5-9	.	16,	15,	*	*	18,	18,	36,
10-14	.	21,	16,	*	*	25,	18,	43,
15-19	.	36,	51,	*	*	43,	53,	96,
< 5	.	*	*	..	*
< 1	.	*	*	..	*
1-4	.	*	*	*	..	*	*	11,
5-9	.	10,	..	*	..	12,	..	12,
10-14	.	18,	..	*	..	24,	..	24,
15-19	.	25,	*	*	..	28,	*	29,
5-9	.	*	*	..	*
1-4	.	25,	..	*	..	26,	..	26,
5-9	.	29,	*	*	..	31,	*	32,
10-14	.	32,	..	*	..	38,	..	38,
15-19	.	39,	..	*	..	48,	..	48,
10-19	.	24,	*	*	*	25,	*	27,
< 1	.	*	*	*	*	*
1-4	.	45,	*	*	..	49,	*	51,
5-9	.	81,	*	22,	..	103,	*	105,
10-14	.	115,	14,	30,	*	145,	15,	160,
15-19	.	184,	29,	57,	*	241,	35,	276,
20+	.	57,	62,	*	..	58,	62,	120,
< 1	.	*	24,	..	..	*	24,	25,
1-4	.	78,	291,	*	11,	83,	302,	385,
5-9	.	115,	281,	31,	22,	146,	303,	449,
10-14	.	216,	443,	64,	33,	280,	476,	756,
15-19	.	494,	761,	127,	62,	621,	823,	1444,
TOTAL	.	1707,	2021,	386,	143,	2093,	2164,	4257,

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i. e., a count of zero.

Table F.16
Renal Transplantation
Source of Cadaveric Kidneys
by Transplant Number and Year of Transplantation

TRANSPLANT NUMBER											
FIRST TRANSPLANT						TRANSPLANT 2+					
YEAR OF TRANSPLANTATION						YEAR OF TRANSPLANTATION					
	1993	1994	1995	1996	1997	1993	1994	1995	1996	1997	TOTAL
ORGAN PLACED BY											
UNKNOWN	*	22	27	132	1657	.	.	.	.	.	10, 164, 2026
Local	5977	6088	5624	5554	4514	511	461	425	427	374	29955
UNOS Organ Center	1418	1660	2284	2176	1684	130	136	236	271	207	10202
Regional Share	115	*	.	.	.	14	*	.	.	.	135
TOTAL	7513	7775	7935	7862	7855	655	603	667	708	745	42318

*Values for cells with fewer than 10 patients are suppressed.
"." Represents missing values, i.e., a count of zero.

Table F.17
Renal Transplantation
Percent Reactive Antibodies (PRA)
by Donor Type, Transplant Number, and Year of Transplantation

DONOR TYPE CADAVER

TRANSPLANT NUMBER											
	FIRST TRANSPLANT					TRANSPLANT 2+					
	YEAR OF TRANSPLANTATION					YEAR OF TRANSPLANTATION					
	1993	1994	1995	1996	1997	1993	1994	1995	1996	1997	TOTAL
PEAK PRA PERCENT											
MISSING	166	271	207	346	805	*	17	13	26	82	1942
LT 20%	5953	6102	6431	6233	5823	354	269	313	305	288	32071
20%-39%	564	563	504	495	480	80	79	89	92	73	3019
40%-59%	269	279	235	266	227	56	67	63	67	61	1590
60% PLUS	561	560	558	522	520	156	171	189	218	241	3696
MOST RECENT PRA											
MISSING	66	265	208	303	772	*	15	13	25	82	1756
LT 20%	6823	6907	7132	6964	6514	477	405	452	444	422	36540
20%-39%	254	234	211	229	231	59	61	74	82	68	1503
40%-59%	134	123	135	131	128	39	50	36	39	59	874
60% PLUS	236	246	249	235	210	73	72	92	118	114	1645
TOTAL	7513	7775	7935	7862	7855	655	603	667	708	745	42318

DONOR TYPE LIVING RELATED

TRANSPLANT NUMBER											
	FIRST TRANSPLANT					TRANSPLANT 2+					
	YEAR OF TRANSPLANTATION					YEAR OF TRANSPLANTATION					
	1993	1994	1995	1996	1997	1993	1994	1995	1996	1997	TOTAL
PEAK PRA PERCENT											
MISSING	167	149	168	231	446	12	*	10	12	14	1215
LT 20%	2230	2432	2645	2850	2722	106	63	88	102	99	13337
20%-39%	128	147	141	149	142	*	19	15	17	16	781
40%-59%	50	52	63	73	60	*	*	*	11	11	345
60% PLUS	117	106	127	90	91	21	23	30	34	30	669
MOST RECENT PRA											
MISSING	114	132	159	219	439	*	*	10	12	14	1111
LT 20%	2423	2571	2777	3017	2875	125	85	104	120	120	14217
20%-39%	64	84	95	86	81	*	10	*	14	15	463
40%-59%	29	51	42	34	23	*	*	*	11	*	220
60% PLUS	62	48	71	37	43	*	14	21	19	12	336
TOTAL	2692	2886	3144	3393	3461	155	118	152	176	170	16347

*Values for cells with fewer than 10 patients are suppressed.
" ." Represents missing values, i.e., a count of zero.

Table F.18
Renal Transplantation
HBs Ag Status
by Donor Type, Transplant Number, and Year of Transplantation

DONOR TYPE CADAVER											
TRANSPANT NUMBER											
FIRST TRANSPANT						TRANSPANT 2+					
YEAR OF TRANSPANTATION						YEAR OF TRANSPANTATION					
	1993	1994	1995	1996	1997	1993	1994	1995	1996	1997	TOTAL
RECIPI - DONOR											
ENT HBSAG											
HBSAG											
UNKNOWN UNKNOWN,					*						*
MISSING,		*		*	62,					14,	80,
NEGATI -											
VE	164,	151,	157,	123,	104,	33,	18,	14,	10,	*	781,
MISSING UNKNOWN,			*	*	*						10,
MISSING,		*	11,	29,	418,		*	*	*	49,	517,
NEGATI -											
VE	167,	300,	461,	761,	1116,	24,	27,	37,	92,	105,	3090,
POSITI -											
VE					*					*	*
NEGATI - UNKNOWN,	*	17,	26,	*	*	*	*	*			65,
VE MISSING,	10,	26,	90,	173,	1168,	*	*	11,	15,	100,	1599,
NEGATI -											
VE	7096,	7173,	7109,	6695,	4888,	582,	546,	595,	584,	457,	35725,
POSITI -											
VE		*	*		*					*	16,
POSITI - MISSING,				*	23,					*	26,
VE NEGATI -											
VE	72,	103,	74,	67,	56,	11,	*	*	*	*	403,
POSITI -											
VE						*					*

(CONTINUED)

*Values for cells with fewer than 10 patients are suppressed.
" ." Represents missing values, i.e., a count of zero.

Table F.18 (Continued)
 Renal Transplantation
 HBs Ag Status
 by Donor Type, Transplant Number, and Year of Transplantation

DONOR TYPE LIVING RELATED											
TRANSPANT NUMBER											
FIRST TRANSPANT						TRANSPANT 2+					
YEAR OF TRANSPANTATION						YEAR OF TRANSPANTATION					
1993 1994 1995 1996 1997 1993 1994 1995 1996 1997 TOTAL											
RECIPI- DONOR											
ENT HBSAG											
HBSAG											
UNKNOWN UNKNOWN,	20,	26,	23,	10,	21,	..	*	*	..	*	106,
MISSING,	..	*	*	*	*	..	..	..	*	..	13,
NEGATI -											
VE	20,	23,	42,	32,	27,	*	..	*	*	*	155,
MISSING UNKNOWN,	28,	*	25,	31,	21,	*	..	..	*	..	114,
MISSING,	*	40,	40,	118,	342,	*	..	*	*	17,	580,
NEGATI -											
VE	57,	65,	151,	228,	249,	*	*	*	10,	15,	790,
POSITI -											
VE	*	..	..	..	*	..	..	..	..	..	*
NEGATI- UNKNOWN,	40,	65,	17,	21,	26,	..	*	..	*	..	172,
VE MISSING,	18,	65,	49,	166,	140,	*	*	*	*	*	459,
NEGATI -											
VE	2474,	2567,	2774,	2744,	2586,	144,	104,	128,	139,	123,	13783,
POSITI -											
VE	*	*	*	*	12,	..	*	..	*	..	33,
POSITI- UNKNOWN,	..	*	..	..	*	..	..	..	..	..	*
VE MISSING,	..	*	..	*	*	..	..	..	..	..	*
NEGATI -											
VE	22,	23,	18,	27,	30,	*	*	..	*	..	125,
POSITI -											
VE	*	*	..	*	*	..	*	..	..	..	*

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.19
 Renal Transplantation
 CMV (Cytomegalovirus) Antibody Status
 by Donor Type, Transplant Number, and Year of Transplantation

DONOR TYPE CADAVER											
TRANSPANT NUMBER											
	FIRST TRANSPANT					TRANSPANT 2+					
	YEAR OF TRANSPANTATION					YEAR OF TRANSPANTATION					
	1993	1994	1995	1996	1997	1993	1994	1995	1996	1997	TOTAL
DONOR RECIPIENT											
CMV ISENT											
UNKN- CMV											
OWN UNKNO-											
WN			*	*	*						*
MISSI-											
NG			*	*	*						*
NEGAT-											
IVE		10	*	*	*		*				24
POSIT-											
IVE	*	*	23	*	*		*	*		*	45
MISS- UNKNO-											
ING WN		*	*	*	42					*	49
MISSI-											
NG		*	*	28	408		*	*	*	54	504
NEGAT-											
IVE	*	*	13	67	452		*	*	*	29	582
POSIT-											
IVE	10	17	21	66	724	*	*	*	11	76	933
NEGA- UNKNO-											
TIVE WN	81	84	78	75	49	*	*	*	*	*	398
MISSI-											
NG	88	86	158	258	415	*	13	17	33	49	1123
NEGAT-											
IVE	1161	1172	1202	1091	815	73	76	83	89	60	5822
POSIT-											
IVE	1685	1839	1773	1615	1163	189	164	171	160	117	8876
POSI- UNKNO-											
TIVE WN	96	118	118	112	64	20	15	10	*	*	564
MISSI-											
NG	112	120	226	404	697	16	*	13	50	52	1699
NEGAT-											
IVE	1542	1531	1624	1519	1076	101	93	108	101	83	7778
POSIT-											
IVE	2728	2778	2678	2617	1940	244	216	248	249	213	13911

(CONTINUED)

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.19 (Continued)
 Renal Transplantation
 CMV (Cytomegalovirus) Antibody Status
 by Donor Type, Transplant Number, and Year of Transplantation

DONOR TYPE LIVING RELATED											
TRANSPANT NUMBER											
FIRST TRANSPANT						TRANSPANT 2+					
YEAR OF TRANSPANTATION											
1993 1994 1995 1996 1997 1993 1994 1995 1996 1997 TOTAL											
%											
DONOR RECIPIENT											
CMV ISENT											
UNKN- CMV											
OWN UNKNO-											
WN	*	28	19	19	*	..	*	*	..	*	83
MISSI-											
NG	35	*	14	16	14	*	..	..	*	..	85
NEGAT-											
IVE	32	20	18	34	12	*	*	*	*	..	120
POSIT-											
IVE	24	23	20	24	19	..	*	*	*	*	119
MISS- UNKNO-											
ING WN	*	*	*	*	*	..	*	..	..	..	21
MISSI-											
NG	*	31	46	108	338	*	*	*	*	17	560
NEGAT-											
IVE	*	25	30	79	51	..	..	*	*	*	205
POSIT-											
IVE	19	35	36	98	88	*	*	*	*	*	289
NEGA- UNKNO-											
TIVE WN	19	17	41	31	25	*	*	*	..	*	141
MISSI-											
NG	21	32	63	121	116	..	*	*	*	*	377
NEGAT-											
IVE	694	763	782	834	732	36	19	36	39	23	3958
POSIT-											
IVE	427	479	560	503	479	33	23	27	32	26	2589
POSI- UNKNO-											
TIVE WN	17	21	23	21	13	*	*	..	*	*	104
MISSI-											
NG	30	27	84	108	140	*	*	*	*	10	411
NEGAT-											
IVE	460	432	465	462	456	10	14	11	13	20	2343
POSIT-											
IVE	887	947	937	931	968	69	46	55	56	46	4942

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.20
 Counts of Renal Transplants
 by Year of Transplant, Donor Type,
 Transplant Number, and Recipient Age, Sex, and Race

TRANSPLANT YEAR 1993
 AND DONOR TYPE CADAVER

		TRANSPLANT NUMBER												
		FIRST TRANSPLANT						TRANSPLANT 2+						
		RECIPIENT AGE						RECIPIENT AGE						
		%						%						
		UNKNOW						UNKNOW						
		WN	0-19	20-44	45-64	65-74	PLUS	TOTAL	0-19	20-44	45-64	65-74	PLUS	TOTAL
RECIPIENT	RECIPIENT													
SEX	RACE													
Unknown	Black	30						30						
	White		*	14	10	*		28		*	*			*
	Other			*				*						
	TOTAL	30	*	18	10	*		62		*	*			*
Male	RECIPIENT													
	RACE													
	Native Amer.		*	16	23	*		44		*	*			*
	Asian		*	58	63	*		130		*	*			10
	Black		41	467	448	35		991	*	79	37	*		122
	White		99	1423	1245	208	*	2982	36	298	123	10		467
	Unknown		*	23	21			51	*	*				*
	Other		*	11	11			25	*	*	*			*
	TOTAL		158	1998	1811	249	*	4223	44	391	163	11		609
Female	RECIPIENT													
	RACE													
	Native Amer.		*	16	17	*		37		*				*
	Asian		*	58	52	*		120		*	*			*
	Black		30	324	258	16	*	631	*	40	24		*	67
	White		76	945	817	98	*	1940	19	187	70	*		280
	Unknown		*	19	*	*		31						
	Other		*	*	13			25						
	TOTAL		120	1371	1166	120	*	2784	21	233	97	*	*	356
TOTAL	RECIPIENT													
	RACE													
	Black	30						30						
	Native Amer.		*	32	40	*		81		*	*			*
	Asian		12	116	115	*		250		14	*			18
	Black		71	794	706	51	*	1625	*	120	61	*	*	190
	White		178	2382	2072	307	11	4950	55	486	194	14		749
	Unknown		*	42	30	*		82	*	*				*
	Other		*	21	24			51	*	*	*			*
	TOTAL	30	281	3387	2987	370	14	7069	65	626	261	15	*	968
TOTAL		30	281	3387	2987	370	14	7069	65	626	261	15	*	968

(Continued)

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.20 (Continued)
 Counts of Renal Transplants
 by Year of Transplant, Donor Type,
 Transplant Number, and Recipient Age, Sex, and Race

TRANSPLANT YEAR 1993
 AND DONOR TYPE LIVING RELATED

		TRANSPLANT NUMBER										
		FIRST TRANSPLANT					TRANSPLANT 2+					
		RECIPIENT AGE					RECIPIENT AGE					
		UNKNOW					UNKNOW					
		WN	0-19	20-44	45-64	65-74	TOTAL	0-19	20-44	45-64	65-74	TOTAL
RECIPIENT	RECIPIENT											
SEX	RACE											
Unknown	White	12	*	*	*	*	12	*	*	*	*	*
	Unknown											
	Other		*	*	*	*	*	*	*	*	*	*
	TOTAL	12	*	*	*	*	23	*	*	*	*	*
Male	RECIPIENT											
	RACE											
	Native Amer.		*	*	*	*	18	*	*	*	*	*
	Asian		*	21	10	*	37	*	*	*	*	*
	Black		31	124	58	*	216	*	*	*	*	10
	White		176	678	314	29	1197	10	74	25	*	109
	Unknown		*	19	*	*	33	*	*	*	*	*
	Other		*	*	*	*	13	*	*	*	*	*
	TOTAL		224	854	403	33	1514	12	80	31	*	123
Female	RECIPIENT											
	RACE											
	Native Amer.		*	*	*	*	10	*	*	*	*	*
	Asian		*	20	*	*	34	*	*	*	*	*
	Black		24	85	60	*	171	*	*	*	*	14
	White		131	474	192	10	807	11	49	12	*	72
	Unknown		*	10	*	*	12	*	*	*	*	*
	Other		*	*	*	*	12	*	*	*	*	*
	TOTAL		168	596	268	14	1046	12	61	17	*	91
TOTAL	RECIPIENT											
	RACE											
	Native Amer.	12	*	*	13	*	28	*	*	*	*	*
	Asian		12	41	17	*	71	*	*	*	*	*
	Black		55	209	118	*	387	*	11	*	*	24
	White		309	1157	506	39	2011	21	124	37	*	182
	Unknown		*	30	*	*	46	*	*	*	*	*
	Other		*	12	*	*	28	*	*	*	*	*
	TOTAL	12	395	1458	671	47	2583	24	142	48	*	215
TOTAL		12	395	1458	671	47	2583	24	142	48	*	215

(Continued)

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.20 (Continued)
 Counts of Renal Transplants
 by Year of Transplant, Donor Type,
 Transplant Number, and Recipient Age, Sex, and Race

TRANSPLANT YEAR 1997 AND DONOR TYPE CADAVER												
TRANSPLANT NUMBER												
FIRST TRANSPLANT						TRANSPLANT 2+						
RECIPIENT AGE												
UNKNOW- 75 UNKNOW- 75												
WN 0-19 20-44 45-64 65-74 PLUS TOTAL WN 0-19 20-44 45-64 65-74 PLUS TOTAL												
RECIPIENT	RECIPIENT											
SEX	RACE											
Unknown	Black	45					45	*				*
	White								*			*
	Unknown			*		*						
	TOTAL	45		*		46	*		*			*
Male	Native Amer.											
	Asian		10	17	25	*	49		*	*		*
	Black		46	503	624	60	1235		*	85	56	*
	White		96	1157	1436	256	2966		28	282	155	15
	Unknown		*	*	*		12		*	*		*
	Other		10	18	26	*	56			*		*
	TOTAL		167	1778	2202	332	24 4503		37	385	224	16
Female	Native Amer.			10	19	*	30			*	*	*
	Asian		*	78	84	*	175		*	*	*	
	Black		29	337	379	37	782		*	54	16	
	White		84	800	925	143	1956		10	192	100	*
	Unknown		*	*	*		*		*	*		*
	Other		*	18	11	*	32		*	*		*
	TOTAL		125	1246	1422	186	* 2983		14	263	119	*
TOTAL	Native Amer.		45				45	*				*
	Asian			27	44	*	79			*	*	10
	Black		19	157	169	14	* 360		*	25	11	
	White		75	840	1003	97	* 2017		10	140	72	*
	Unknown		180	1957	2361	399	25 4922		38	475	255	18
	Other		*	*	11		21		*	*		*
	TOTAL		45	292	3024	3625	518	28 7532	*	51	650	343
TOTAL			45	292	3024	3625	518	28 7532	*	51	650	343

(Continued)

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.20 (Continued)
 Counts of Renal Transplants
 by Year of Transplant, Donor Type,
 Transplant Number, and Recipient Age, Sex, and Race

TRANSPLANT YEAR 1997
 AND DONOR TYPE LIVING RELATED

		TRANSPLANT NUMBER												
		FIRST TRANSPLANT					TRANSPLANT 2+							
		RECIPIENT AGE					RECIPIENT AGE							
		UNKNOW					UNKNOW							
		WN	0-19	20-44	45-64	65-74	PLUS	TOTAL	0-19	20-44	45-64	65-74	TOTAL	
RECIPIENT	RECIPIENT													
SEX	RACE													
Unknown		46						46						
	TOTAL	46						46						
Male	RECIPIENT													
	RACE													
	Native Amer.		*	10	15		*	27	*	*	*		*	
	Asian		*	25	15	*		48		*	*		*	
	Black		31	139	98	*	*	277	*	*	*		16	
	White		161	734	557	63	*	1517	12	82	35	*	131	
	Unknown			*	*			*				*	*	
	Other		12	30	10	*		53						
	TOTAL		211	939	697	75	*	1926	18	94	42	*	156	
Female	RECIPIENT													
	RACE													
	Native Amer.		*	*	*			12	*	*			*	
	Asian		*	28	17	*		51	*	*	*		*	
	Black		18	125	79	12	*	235		11	*		14	
	White		128	495	386	35	*	1045	10	69	17	*	97	
	Unknown			*	*	*		*				*	*	
	Other		*	19	*	*		35						
	TOTAL		157	672	501	51	*	1383	12	85	21	*	119	
TOTAL	RECIPIENT													
	RACE													
	Native Amer.		46					46						
	Asian		*	13	23		*	39	*	*	*		*	
	Black		*	53	32	*		99	*	*	*		*	
	White		49	264	177	20	*	512	*	18	*		30	
	Unknown		289	1229	943	98	*	2562	22	151	52	*	228	
	Other		*	*	*	*		*			*		*	
	TOTAL		18	49	19	*		88						
	TOTAL		46	368	1611	1198	126	*	3355	30	179	63	*	275
	TOTAL		46	368	1611	1198	126	*	3355	30	179	63	*	275

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.21
 Renal Transplantation
 Warm Ischemia Time
 by Transplant Number, Donor Type, and Year of Transplantation

VARIABLE WARM ISCHEMIA TIME (MINUTES)		DONOR TYPE									
		CADAVER					LIVING RELATED				
		YEAR OF TRANSPLANTATION					YEAR OF TRANSPLANTATION				
		1993	1994	1995	1996	1997	1993	1994	1995	1996	1997
FIRST TRANSPLANT	MEAN	33.4	19.5	21.4	22.4	22.5	36.0	18.0	19.2	18.7	18.5
	FIRST QUARTILE	21	0	0	0	0	28	0	0	0	0
	MEDIAN	33	10	21	25	25	34	3	18	20	20
	THIRD QUARTILE	46	36	36	36	37	45	33	34	34	31
	MINIMUM	0	0	0	0	0	0	0	0	0	0
	MAXIMUM	99	99	99	99	99	98	99	99	99	99
	N	7000	6146	7120	6647	5783	1688	2160	2646	2758	2624
	NA/MISSING	513	1629	815	1215	2072	1004	726	498	635	837
	TOT OBS (N+NA)	7513	7775	7935	7862	7855	2692	2886	3144	3393	3461
TRANSPLANT 2+	MEAN	32.6	17.2	21.5	22.0	23.8	34.1	18.1	20.8	19.2	16.4
	FIRST QUARTILE	20	0	0	0	0	28	0	0	0	0
	MEDIAN	33	0	21	28	28	31	4	20	20	15
	THIRD QUARTILE	45	34	38	36	38	45	35	35	33	30
	MINIMUM	0	0	0	0	0	0	0	0	0	0
	MAXIMUM	95	99	99	99	99	80	84	81	77	99
	N	586	458	593	594	528	88	93	124	139	125
	NA/MISSING	69	145	74	114	217	67	25	28	37	45
	TOT OBS (N+NA)	655	603	667	708	745	155	118	152	176	170

Table F.22
 Cadaveric Renal Transplantation
 Cold Ischemia Time for Cadaveric Transplants
 by Transplant Number and Year of Transplantation

VARIABLE COLD ISCHEMIA TIME (HOURS)		YEAR OF TRANSPLANTATION				
		1993	1994	1995	1996	1997
FIRST TRANSPLANT	MEAN	22.1	20.8	20.7	20.4	19.6
	FIRST QUARTILE	15	15	15	14	14
	MEDIAN	21	20	20	20	19
	THIRD QUARTILE	29	26	26	26	24
	MINIMUM	1	1	1	1	1
	MAXIMUM	91	99	72	91	60
	N	7054	6892	7610	7156	6282
	NA/MISSING	459	883	325	706	1573
	TOT OBS (N+NA)	7513	7775	7935	7862	7855
TRANSPLANT 2+	MEAN	22.9	22.0	21.4	22.0	21.3
	FIRST QUARTILE	16	16	15	16	16
	MEDIAN	22	21	21	21	21
	THIRD QUARTILE	29	27	27	27	26
	MINIMUM	1	1	2	1	1
	MAXIMUM	60	56	53	51	52
	N	608	526	640	644	582
	NA/MISSING	47	77	27	64	163
	TOT OBS (N+NA)	655	603	667	708	745

Table F.23
 Renal Transplantation: Counts of Renal Transplants
 by Year of Transplantation, Recipient Race, and Blood Type,
 1992 and 1997

YEAR OF TRANSPLANTATION	RECIPIENT RACE	RECIPIENT BLOOD TYPE					TOTAL
		O	A	B	AB	UNK	
1992	Native Amer.	48	29	*	*	..	83
	Asian	32	17	30	*	..	83
	Black	1037	599	333	104	*	2074
	White	3490	3103	688	332	*	7617
	Unknown	*	17	11	..	*	35
	Other	124	90	83	40	*	338
1997	Native Amer.	16	32	*	*	..	58
	Asian	62	27	*	*	..	98
	Black	145	142	95	36	..	418
	White	1324	767	489	150	..	2730
	Unknown	3850	3766	833	341	*	8791
	Other	..	*	*	..	..	*
TOTAL		47	31	49	*	..	131
TOTAL		10181	8625	2627	1021	*	22462

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

Table F.24
 Renal Transplantation: Counts of Renal Transplants
 by Year of Transplantation, Transplant Number,
 Donor Type, and Blood Type
 and Recipient Blood Type

YEAR OF TRANSPLANTATION - 1992
 AND TRANSPLANT NUMBER - FIRST

		RECIPIENT BLOOD TYPE					
		O	A	B	AB	UNK	TOTAL
DONOR TYPE	DONOR BLOOD TYPE						
CADAVER	O	3225	141	66	*	..	3441
	A	26	2493	*	80	*	2607
	B	*	*	724	29	..	760
	AB	*	*	*	237	..	241
LIVING RELATED	O	1132	264	95	*	*	1500
	A	12	619	17	40	..	688
	B	*	*	160	18	..	188
	AB	*	*	..	19	..	21
	UNK	*	*	*	*	*	16
OTHER	O	*	..	..	..	..	*
	A	..	*	..	..	..	*
TOTAL		4409	3541	1071	440	*	9466

YEAR OF TRANSPLANTATION - 1992
 AND TRANSPLANT NUMBER - 2+

		RECIPIENT BLOOD TYPE					
		O	A	B	AB	UNK	TOTAL
DONOR TYPE	DONOR BLOOD TYPE						
CADAVER	O	268	15	*	*	*	291
	A	*	246	*	14	..	265
	B	*	*	54	*	..	64
	AB	*	..	*	19	..	22
LIVING RELATED	O	50	22	*	*	*	81
	A	..	29	*	*	..	31
	B	..	..	*	..	..	*
	AB	..	..	..	*	..	*
OTHER	A	..	*	..	..	..	*
TOTAL		328	314	78	42	*	764

(CONTINUED)

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.24 (Continued)
 Renal Transplantation: Counts of Renal Transplants
 by Year of Transplantation, Transplant Number,
 Donor Type, and Blood Type
 and Recipient Blood Type

YEAR OF TRANSPLANTATION - 1997
 AND TRANSPLANT NUMBER - FIRST

		RECIPIENT BLOOD TYPE					
		O	A	B	AB	UNK	TOTAL
DONOR TYPE	DONOR BLOOD TYPE						
, CADAVER	O	3509,	166,	98,	10,	..	3783,
	A	19,	2829,	14,	80,	..	2942,
	B	*	*	827,	18,	..	853,
	AB	*	*	*	267,	..	277,
, LIVING RELATED	O	1523,	464,	173,	15,	*	2176,
	A	11,	910,	*	34,	..	956,
	B	*	*	254,	37,	..	295,
	AB	..	..	..	33,	..	33,
, OTHER	UNK	*	..	..	..	..	*
	A	..	*	..	..	..	*
, TOTAL		5070,	4378,	1374,	494,	*	11317,

YEAR OF TRANSPLANTATION - 1997
 AND TRANSPLANT NUMBER - 2+

		RECIPIENT BLOOD TYPE					
		O	A	B	AB	TOTAL	
DONOR TYPE	DONOR BLOOD TYPE						
, CADAVER	O	301,	24,	16,	..	341,	
	A	*	293,	*	11,	313,	
	B	*	..	61,	*	67,	
	AB	*	..	..	23,	24,
, LIVING RELATED	O	67,	27,	*	*	104,	
	A	..	48,	*	*	51,	
	B	..	..	12,	*	15,
, TOTAL		374,	392,	104,	45,	915,	

*Values for cells with fewer than 10 patients are suppressed.
 ". " Represents missing values, i.e., a count of zero.

Table F.25
 Transplantation Rates per 100 Patient Years on Dialysis
 by Transplant Type, Recipient Age, and Year of Transplant

Rates for all Tx. Base is total patient years on dialysis		Age on Dec. 31 of TX year								
		00-19	00-4	05-9	10-14	15-19	20-44	45-64	65 & over	TOTAL
Rate: All Tx		%								
Year										
1988		56.0	72.7	76.8	68.1	45.4	22.7	8.0	0.7	9.1
1989		53.7	72.3	84.9	69.3	40.3	20.8	7.2	0.6	8.2
1990		53.1	64.4	85.1	55.6	44.4	20.7	7.4	0.7	8.1
1991		52.5	63.3	94.5	62.4	39.3	19.4	7.2	0.7	7.5
1992		47.7	63.3	75.9	55.3	37.6	17.9	6.9	0.8	6.9
1993		50.4	78.8	88.6	55.2	37.7	17.8	7.2	0.7	6.8
1994		55.9	50.3	74.0	60.2	52.0	17.1	7.0	0.8	6.6
1995		54.3	47.7	79.1	66.5	46.1	16.1	6.9	0.8	6.3
1996		48.3	52.6	77.3	55.0	39.0	14.8	6.8	0.8	5.9
1997		42.8	48.3	66.5	53.9	33.4	14.1	6.7	0.8	5.6
All Tx	1988	727	84	101	196	346	4904	2958	257	8846
	1989	723	85	118	194	326	4928	2920	251	8822
	1990	728	82	126	166	354	5328	3265	358	9679
	1991	734	85	143	186	320	5337	3460	396	9927
	1992	657	87	102	164	304	5250	3631	502	10040
	1993	715	101	130	166	318	5519	4056	502	10792
	1994	823	74	109	196	444	5621	4328	584	11356
	1995	824	84	132	217	391	5676	4703	682	11885
	1996	779	104	139	186	350	5493	5073	738	12083
	1997	696	91	120	172	313	5335	5293	764	12088
Rate: Cadaveric Tx	1988	31.5	32.0	44.9	36.8	27.2	17.2	7.0	0.6	7.2
	1989	29.3	30.6	44.6	36.8	23.9	15.7	6.2	0.5	6.3
	1990	28.7	31.4	43.9	29.1	25.3	15.6	6.5	0.7	6.3
	1991	25.0	20.1	39.6	29.5	21.5	14.2	6.1	0.6	5.7
	1992	22.3	24.7	32.0	20.9	20.8	12.9	5.7	0.7	5.1
	1993	22.1	19.5	42.9	22.6	18.6	12.6	5.8	0.6	5.0
	1994	30.4	23.8	34.6	33.5	29.7	11.9	5.6	0.7	4.8
	1995	25.7	15.3	30.0	34.3	23.6	11.2	5.3	0.7	4.5
	1996	22.6	20.2	37.8	24.8	19.1	9.9	5.1	0.7	4.2
	1997	19.3	14.9	33.8	28.5	14.3	9.3	5.0	0.6	3.9
Cadaveric Tx	1988	409	37	59	106	207	3711	2615	239	6974
	1989	394	36	62	103	193	3720	2504	230	6848
	1990	394	40	65	87	202	4008	2834	318	7554
	1991	350	27	60	88	175	3897	2916	352	7515
	1992	307	34	43	62	168	3780	2962	418	7467
	1993	313	25	63	68	157	3908	3288	445	7954
	1994	448	35	51	109	253	3889	3467	512	8316
	1995	389	27	50	112	200	3946	3646	569	8550
	1996	364	40	68	84	172	3672	3855	601	8492
	1997	314	28	61	91	134	3541	3984	611	8450
Rate: Living related Tx	1988	23.5	38.9	28.9	30.2	17.7	5.3	0.8	*	1.8
	1989	23.5	41.7	38.1	31.1	15.7	4.9	0.9	0.0	1.7
	1990	23.8	32.2	39.2	26.4	18.7	4.9	0.9	0.1	1.7
	1991	27.0	43.2	52.8	31.9	17.7	5.1	1.1	0.1	1.8
	1992	25.1	38.5	43.9	34.1	16.5	4.8	1.2	0.1	1.7
	1993	27.8	59.3	45.6	31.2	18.6	5.1	1.3	0.1	1.7
	1994	24.9	25.8	38.0	26.1	22.0	5.2	1.4	0.1	1.7
	1995	27.7	30.6	46.1	31.0	22.2	4.8	1.5	0.1	1.7
	1996	24.2	30.4	38.4	28.1	18.5	4.8	1.6	0.1	1.7
	1997	22.0	31.8	31.1	22.9	18.0	4.6	1.6	0.2	1.6
Living related Tx	1988	305	45	38	87	135	1140	310	*	1764
	1989	316	49	53	87	127	1158	378	11	1863
	1990	327	41	58	79	149	1269	406	28	2030
	1991	377	58	80	95	144	1409	516	33	2335
	1992	346	53	59	101	133	1422	635	60	2463
	1993	394	76	67	94	157	1575	741	52	2762
	1994	367	38	56	85	188	1701	839	67	2974
	1995	420	54	77	101	188	1697	1035	110	3262
	1996	390	60	69	95	166	1789	1190	136	3505
	1997	358	60	56	73	169	1740	1265	147	3510

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* = cell suppressed because < 10 patients.
 . = no patients in this cell.

Table F.25 (Continued)
 Transplantation Rates per 100 Patient Years on Dialysis
 by Transplant Type, Recipient Age, and Year of Transplant

Rates for first TX. Base is patient years on dialysis before first Tx.	Age on Dec. 31 of TX year								TOTAL
	00-19	00-4	05-9	10-14	15-19	20-44	45-64	65 & over	
Rate: All first Tx Year									
1988	73.1	74.8	100.6	93.5	60.9	24.6	7.7	0.7	8.5
1989	70.8	76.7	113.6	101.9	52.8	22.8	7.1	0.6	7.7
1990	69.1	67.1	105.3	79.8	58.8	22.5	7.3	0.7	7.6
1991	67.5	64.6	122.6	83.0	52.0	21.0	7.1	0.7	7.1
1992	59.3	65.5	106.3	71.6	45.8	19.3	6.8	0.8	6.5
1993	65.4	83.9	125.0	73.2	49.2	19.5	7.2	0.7	6.6
1994	67.5	53.4	85.1	74.2	65.0	18.7	7.0	0.7	6.3
1995	64.2	51.0	89.4	83.4	55.2	17.3	6.8	0.8	6.0
1996	55.2	51.2	87.3	66.2	45.1	15.7	6.7	0.8	5.6
1997	48.9	48.8	73.7	61.5	39.3	14.7	6.6	0.8	5.3
All first Tx	599	76	79	157	287	4105	2672	242	7618
1988	593	79	92	159	263	4163	2655	240	7651
1989	602	75	101	136	290	4466	2958	342	8368
1990	613	78	118	154	263	4505	3144	376	8638
1991	556	81	90	141	244	4443	3312	476	8787
1992	631	95	115	144	277	4744	3738	479	9592
1993	695	70	90	158	377	4818	3971	556	10040
1994	713	84	116	186	327	4828	4290	650	10481
1995	676	98	124	164	290	4688	4656	716	10736
1996	618	89	109	148	272	4513	4874	736	10741
Rate: Cadaveric first Tx	38.6	29.5	59.8	45.8	34.4	18.1	6.8	0.6	6.6
1988	35.0	29.1	51.9	47.4	29.5	16.8	6.0	0.5	5.9
1989	33.1	32.2	43.8	36.4	30.0	16.5	6.3	0.6	5.9
1990	29.2	19.1	44.7	34.5	26.7	15.0	5.9	0.6	5.3
1991	25.1	25.1	40.2	24.9	22.7	13.6	5.5	0.6	4.8
1992	26.4	20.3	54.3	27.5	22.7	13.5	5.8	0.6	4.8
1993	33.8	24.4	33.1	38.0	34.5	12.7	5.6	0.6	4.6
1994	27.5	16.4	31.6	39.4	25.1	11.8	5.2	0.7	4.2
1995	24.0	18.3	40.8	28.7	20.2	10.3	5.0	0.6	3.9
1996	21.0	14.8	37.9	30.8	15.6	9.5	4.9	0.6	3.7
1997	316	30	47	77	162	3028	2365	225	5934
Cadaveric first Tx	293	30	42	74	147	3069	2268	220	5850
1988	288	36	42	62	148	3279	2550	303	6420
1989	265	23	43	64	135	3204	2636	334	6439
1990	235	31	34	49	121	3120	2672	394	6421
1991	255	23	50	54	128	3290	3027	424	6996
1992	348	32	35	81	200	3269	3167	485	7269
1993	305	27	41	88	149	3285	3306	543	7439
1994	294	35	58	71	130	3072	3502	580	7448
1995	265	27	56	74	108	2907	3634	588	7394
Rate: Living related first Tx	33.2	43.3	36.9	45.8	25.9	6.3	0.8	*	1.8
1988	35.0	47.6	59.3	53.2	22.7	5.9	1.0	0.0	1.8
1989	35.4	34.9	58.4	43.4	28.2	5.8	1.0	0.1	1.7
1990	37.9	45.6	75.8	47.4	25.3	6.0	1.1	0.1	1.8
1991	34.0	40.5	66.2	46.2	22.9	5.6	1.3	0.1	1.7
1992	38.6	63.6	70.6	45.3	26.1	5.9	1.3	0.1	1.7
1993	33.1	28.2	51.0	35.2	30.2	5.9	1.4	0.1	1.7
1994	35.4	32.8	53.9	42.1	29.5	5.4	1.5	0.1	1.7
1995	29.4	30.8	45.0	34.7	23.5	5.3	1.6	0.1	1.7
1996	26.1	32.4	33.8	27.4	22.3	5.1	1.6	0.1	1.6
1997	272	44	29	77	122	1050	290	*	1620
Living related first Tx	293	49	48	83	113	1070	365	10	1738
1988	308	39	56	74	139	1160	389	28	1885
1989	344	55	73	88	128	1286	492	31	2153
1990	319	50	56	91	122	1293	613	58	2283
1991	373	72	65	89	147	1433	692	51	2549
1992	341	37	54	75	175	1534	788	66	2729
1993	393	54	70	94	175	1519	974	104	2990
1994	360	59	64	86	151	1588	1134	135	3217
1995	329	59	50	66	154	1563	1200	144	3236

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* = cell suppressed because < 10 patients.
 . = no patients in this cell.

Table F.25 (Continued)
 Transplantation Rates per 100 Patient Years on Dialysis
 by Transplant Type, Recipient Age, and Year of Transplant

Rates for repeat Tx. Base is patient years on dialysis after Tx failure.		Age on Dec. 31 of TX year								
		00-19	00-4	05-9	10-14	15-19	20-44	45-64	65 & over	TOTAL
Rate: All repeat Tx	Year									
	1988	26.8	*	41.6	32.5	20.3	16.4	11.7	9.1	15.4
	1989	25.6	*	44.8	28.2	20.3	14.0	9.3	5.1	12.9
	1990	25.2	*	47.9	23.4	21.0	14.6	9.6	5.9	13.3
	1991	24.7	*	45.4	28.4	18.4	13.6	8.9	6.0	12.3
	1992	23.0	*	24.1	23.1	21.7	12.7	8.2	6.1	11.3
	1993	18.5	*	27.4	21.1	14.7	11.7	7.4	4.3	10.1
	1994	28.9	*	45.8	33.9	24.5	11.5	7.5	4.7	10.3
	1995	27.3	*	43.1	30.1	25.1	11.6	8.0	4.7	10.4
	1996	26.4	*	39.9	24.3	23.5	10.8	7.6	2.9	9.6
	1997	21.5	*	33.8	30.6	16.7	11.2	7.2	3.5	9.4
All repeat Tx	1988	128	*	22	39	59	799	286	15	1228
	1989	130	*	26	35	63	765	265	11	1171
	1990	126	*	25	30	64	862	307	16	1311
	1991	121	*	25	32	57	832	316	20	1289
	1992	101	*	12	23	60	807	319	26	1253
	1993	84	*	15	22	41	775	318	23	1200
	1994	128	*	19	38	67	803	357	28	1316
	1995	111	*	16	31	64	848	413	32	1404
	1996	103	*	15	22	60	805	417	22	1347
	1997	78	*	11	24	41	822	419	28	1347
Rate: Cadaveric repeat Tx	1988	19.5	*	22.7	24.2	15.5	14.0	10.3	8.5	13.1
	1989	19.9	*	34.4	23.4	14.8	11.9	8.3	4.6	11.0
	1990	21.2	*	44.1	19.5	17.7	12.3	8.9	5.5	11.5
	1991	17.3	*	30.9	21.3	12.9	11.3	7.9	5.4	10.2
	1992	16.4	*	*	13.0	17.0	10.4	7.5	5.7	9.4
	1993	12.8	*	23.7	13.4	10.4	9.3	6.1	3.9	8.0
	1994	22.6	*	38.6	24.9	19.4	8.9	6.3	4.5	8.2
	1995	20.7	*	*	23.3	20.0	9.1	6.6	3.8	8.2
	1996	18.0	*	26.6	14.4	16.4	8.1	6.4	2.8	7.4
	1997	13.5	*	*	21.7	10.6	8.6	6.0	2.9	7.4
Cadaveric repeat Tx	1988	93	*	12	29	45	683	250	14	1040
	1989	101	*	20	29	46	651	236	10	998
	1990	106	*	23	25	54	729	284	15	1134
	1991	85	*	17	24	40	693	280	18	1076
	1992	72	*	*	13	47	660	290	24	1046
	1993	58	*	13	14	29	618	261	21	958
	1994	100	*	16	28	53	620	300	27	1047
	1995	84	*	*	24	51	661	340	26	1111
	1996	70	*	10	13	42	600	353	21	1044
	1997	49	*	*	17	26	634	350	23	1056
Rate: Living related repeat Tx	1988	6.9	*	*	8.3	4.5	1.8	0.8	*	1.8
	1989	4.5	*	*	*	4.5	1.6	0.5	*	1.4
	1990	3.8	*	*	*	3.3	1.8	0.5	*	1.5
	1991	6.7	*	*	*	5.2	2.0	0.7	*	1.7
	1992	6.1	*	*	10.0	4.0	2.0	0.6	*	1.6
	1993	4.6	*	*	*	3.6	2.1	1.1	*	1.8
	1994	5.9	*	*	8.9	4.8	2.4	1.1	*	1.9
	1995	6.6	*	*	*	5.1	2.4	1.2	*	2.0
	1996	7.7	*	*	*	5.9	2.7	1.0	*	2.0
	1997	8.0	*	*	*	6.1	2.4	1.1	*	1.9
Living related repeat Tx	1988	33	*	*	10	13	90	20	*	144
	1989	23	*	*	*	14	88	13	*	125
	1990	19	*	*	*	10	109	17	*	145
	1991	33	*	*	*	16	123	24	*	182
	1992	27	*	*	10	11	129	22	*	180
	1993	21	*	*	*	10	142	49	*	213
	1994	26	*	*	10	13	167	51	*	245
	1995	27	*	*	*	13	178	61	*	272
	1996	30	*	*	*	15	201	56	*	288
	1997	29	*	*	*	15	177	65	*	274

* = cell suppressed because < 10 patients.
 . = no patients in this cell.

Table F.26
 Ratios of Patients Ever Transplanted to All Patients
 for Patients Alive on December 31
 by Recipient Age and Year of Transplant

Patients alive Dec. 31: patients ever transplanted / all patients	Age on Dec. 31 of TX year									
	00-19	00-4	05-9	10-14	15-19	20-44	45-64	65 & over	TOTAL	
Pts ever TX / Pts alive Dec 31										
1988	77.0	61.9	85.4	80.3	75.4	60.8	29.6	3.1	33.6	
1989	76.3	59.7	85.4	83.3	72.9	60.5	30.7	3.5	33.4	
1990	76.6	59.2	83.8	81.7	74.3	60.6	31.7	4.0	33.4	
1991	76.9	57.5	87.1	80.8	74.6	60.4	32.6	4.5	33.3	
1992	76.1	58.9	87.6	81.3	72.5	59.9	33.5	5.2	33.0	
1993	76.5	61.2	88.1	82.2	72.3	60.1	34.7	5.7	33.3	
1994	77.0	58.4	82.7	82.5	75.1	59.7	34.8	6.2	33.0	
1995	75.8	51.2	82.0	81.9	74.5	58.8	34.7	6.7	32.6	
1996	75.4	51.6	83.0	82.6	73.3	58.4	35.4	7.2	32.7	
1997	75.3	52.8	81.0	81.0	74.0	58.6	36.5	7.6	32.8	

* = cell suppressed because < 10 patients.
 . = no patients in this cell.

Table F.27
 Transplantation Rates per 100 Patient Years on Dialysis
 by Recipient Age, Race, Sex, and Diabetic Status

YEARGRP 1994-1997
 Transplant Type = All Transplants,
 AND Rate Base = Total Patient Years on Dialysis

		Transplant Rate					Number of Transplants					
		Race					Race					
		Native					Native					
		All	Amer.	Asian	Black	White	All	Amer.	Asian	Black	White	
Age on Dec. 31	Diabetic Sex status											
of TX year	All	All	6.2	4.6	6.8	3.9	7.8	97946	1188	3769	23089	68685
		Male	7.2	5.9	7.4	4.9	8.6	58976	687	2029	14086	41425
		Female	5.2	3.6	6.2	3.0	6.8	38970	501	1740	9003	27260
	No	All	7.0	7.9	8.8	4.6	8.5	69448	739	3074	17452	47341
		Male	7.6	8.9	9.3	5.3	9.0	41884	436	1632	10838	28465
		Female	6.2	6.8	8.3	3.8	7.9	27564	303	1442	6614	18876
0-19	Yes	All	4.3	2.7	2.5	2.3	5.8	23850	434	501	4513	18240
		Male	5.7	3.5	3.0	3.4	7.1	14354	238	291	2603	11122
		Female	3.2	2.1	2.1	1.6	4.6	9496	196	210	1910	7118
	All	All	50.1	43.7	37.8	36.4	58.9	9366	126	315	2091	6573
		Male	55.1	50.2	42.1	43.5	62.3	5700	63	159	1416	3879
		Female	43.9	38.7	34.2	27.1	54.5	3666	63	156	675	2694
20-44	No	All	46.8	45.7	34.4	34.0	54.9	8448	123	276	1878	5961
		Male	51.4	51.8	39.0	40.8	58.1	5160	60	144	1296	3519
		Female	41.1	41.1	30.6	24.9	50.8	3288	63	132	582	2442
	Yes	All	14.5	..	*	13.5	18.4	42	..	*	15	24
		Male	19.1	..	*	..	18.9	24	..	*	..	12
		Female	11.0	..	..	..	17.9	18	..	..	..	12
45-64	All	All	15.5	10.0	16.2	8.1	22.6	44250	422	1708	10606	30960
		Male	15.6	10.3	16.4	8.1	23.1	25834	230	884	6186	18218
		Female	15.2	9.8	16.0	8.2	21.9	18416	192	824	4420	12742
	No	All	13.9	11.2	16.5	7.7	20.9	30638	314	1508	8492	19912
		Male	14.1	11.0	17.2	7.6	21.8	18054	170	790	5028	11826
		Female	13.7	11.4	15.8	7.9	19.8	12584	144	718	3464	8086
Yes	All	18.6	7.5	9.8	8.7	24.0	11618	102	126	1604	9728	
	Male	19.1	7.9	7.0	9.8	23.6	6648	54	50	884	5628	
	Female	18.0	7.0	13.3	7.7	24.6	4970	48	76	720	4100	
65 & over	All	All	6.8	4.9	8.1	3.9	9.4	38794	598	1588	9504	26744
		Male	7.9	6.0	8.6	4.7	10.6	23880	368	876	5946	16458
		Female	5.6	3.7	7.6	3.0	7.9	14914	230	712	3558	10286
	No	All	8.2	8.5	10.3	4.4	11.7	26314	284	1170	6510	18144
		Male	8.9	10.1	10.8	4.9	12.6	16084	188	618	4164	10992
		Female	7.4	6.5	9.9	3.8	10.4	10230	96	552	2346	7152
Yes	All	4.6	3.5	4.2	2.8	6.0	10968	310	342	2630	7596	
	Male	5.8	4.2	4.8	3.9	7.3	6852	176	212	1550	4850	
	Female	3.4	2.8	3.5	2.0	4.6	4116	134	130	1080	2746	
over	All	All	0.8	0.5	0.6	0.4	1.0	5536	42	158	888	4408
		Male	1.1	0.8	1.0	0.7	1.2	3562	26	110	538	2870
		Female	0.5	0.3	0.4	0.3	0.7	1974	16	48	350	1538
	No	All	0.9	0.6	0.9	0.5	1.1	4048	18	120	572	3324
		Male	1.1	1.3	1.2	0.7	1.3	2586	18	80	350	2128
		Female	0.7	..	0.6	0.3	0.9	1462	..	40	222	1196
Yes	All	0.5	0.4	0.3	0.3	0.6	1222	22	30	264	892	
	Male	0.8	*	0.6	0.6	1.0	830	*	26	160	632	
	Female	0.3	0.4	*	0.2	0.3	392	14	*	104	260	

(CONTINUED)

* = cell suppressed because < 10 patients.
 . = no patients in this cell.

Table F.27 (Continued)
 Transplantation Rates per 100 Patient Years on Dialysis
 by Recipient Age, Race, Sex, and Diabetic Status

YEARGRP 1994-1997,
 Transplant Type = Cadaveric First Transplants,
 AND Rate Base = Patient Years on Dialysis, No Prior Tx

		Transplant Rate					Number of Transplants					
		Race					Race					
		Native					Native					
		All	Amer.	Asian	Black	White	All	Amer.	Asian	Black	White	
Age on Dec. 31	Diabetic status	Sex										
of TX year	All	All	4.1	3.0	5.0	3.0	4.9	60312	729	2607	16514	39815
		Male	4.9	3.8	5.6	3.9	5.5	36923	423	1415	10205	24470
		Female	3.3	2.3	4.6	2.2	4.1	23389	306	1192	6309	15345
	No	All	4.5	5.1	6.5	3.6	5.0	40415	421	2060	12262	25248
		Male	5.0	6.1	7.0	4.2	5.4	24723	265	1102	7702	15387
		Female	3.9	3.9	6.0	2.8	4.6	15692	156	958	4560	9861
	Yes	All	3.2	1.9	2.1	1.8	4.2	17071	302	414	3500	12747
		Male	4.3	2.3	2.5	2.8	5.3	10545	154	236	2068	8013
		Female	2.2	1.6	1.8	1.2	3.1	6526	148	178	1432	4734
0-19	All	All	26.2	28.6	28.0	25.3	27.3	3636	57	189	1116	2175
		Male	29.0	39.7	30.4	30.9	28.1	2151	33	93	735	1212
		Female	23.0	20.6	26.0	18.8	26.3	1485	24	96	381	963
	No	All	24.1	31.6	26.0	23.8	24.6	3201	57	168	1002	1896
		Male	26.4	44.9	27.8	29.3	24.9	1893	33	84	678	1041
		Female	21.3	22.4	24.4	17.1	24.2	1308	24	84	324	855
	Yes	All	7.4	..	*	11.1	*	21	..	*	12	*
		Male	12.0	..	*	*	*	15	..	*	*	*
		Female	*	..	..	*	*	*	..	..	*	*
20-44	All	All	11.0	6.4	12.5	6.6	15.9	25066	230	1076	7216	16272
		Male	11.3	6.2	12.8	6.6	16.6	14958	120	558	4254	9870
		Female	10.5	6.7	12.3	6.5	14.9	10108	110	518	2962	6402
	No	All	9.4	7.0	12.8	6.2	13.7	15924	158	926	5652	9004
		Male	9.7	7.0	13.6	6.2	14.7	9608	90	488	3406	5510
		Female	9.0	6.9	11.9	6.2	12.4	6316	68	438	2246	3494
	Yes	All	14.2	5.4	8.2	7.2	18.3	7960	70	100	1224	6524
		Male	15.0	4.4	6.1	7.9	18.6	4708	28	42	666	3948
		Female	13.3	6.5	11.0	6.4	18.0	3252	42	58	558	2576
45-64	All	All	5.2	3.4	6.8	3.3	6.8	27218	408	1222	7438	17900
		Male	6.1	4.3	7.1	4.1	7.8	16960	250	674	4746	11130
		Female	4.1	2.6	6.3	2.4	5.7	10258	158	548	2692	6770
	No	All	6.4	6.3	8.7	3.9	8.6	18096	190	874	5128	11752
		Male	7.0	7.8	9.2	4.4	9.4	11160	126	464	3314	7170
		Female	5.6	4.7	8.2	3.2	7.6	6936	64	410	1814	4582
	Yes	All	3.5	2.5	3.6	2.3	4.5	8088	216	290	2048	5476
		Male	4.5	3.0	4.0	3.2	5.5	5134	122	172	1256	3538
		Female	2.5	2.0	3.2	1.5	3.3	2954	94	118	792	1938
65 & over	All	All	0.6	0.4	0.5	0.4	0.8	4392	34	120	744	3468
		Male	0.9	0.6	0.8	0.6	1.0	2854	20	90	470	2258
		Female	0.4	0.3	0.2	0.2	0.6	1538	14	30	274	1210
	No	All	0.7	0.6	0.7	0.4	0.9	3194	16	92	480	2596
		Male	0.9	1.2	1.0	0.6	1.0	2062	16	66	304	1666
		Female	0.6	..	0.4	0.3	0.7	1132	..	26	176	930
	Yes	All	0.4	0.3	0.2	0.3	0.5	1002	16	24	216	738
		Male	0.7	*	0.5	0.5	0.8	688	*	22	140	518
		Female	0.2	0.3	*	0.1	0.3	314	12	*	76	220

(CONTINUED)

* = cell suppressed because < 10 patients.
 . = no patients in this cell.

Table F.27 (Continued)
 Transplantation Rates per 100 Patient Years on Dialysis
 by Recipient Age, Race, Sex, and Diabetic Status

YEARGRP 1994-1997,
 Transplant Type = Living Related Transplants,
 AND Rate Base = Total Patient Years on Dialysis

		Transplant Rate					Number of Transplants						
		Race					Race						
		Native,					Native,						
		All	Amer.	Asian	Black	White	All	Amer.	Asian	Black	White		
Age on	Diabetic Sex												
Dec. 31	status												
of TX year	All	All	1.8	1.5	1.6	0.8	2.4	28037	380	890	4763	21482	
		Male	2.0	1.9	1.7	0.9	2.6	16262	223	462	2719	12543	
		Female	1.6	1.1	1.5	0.7	2.2	11775	157	428	2044	8939	
	No	All	2.1	2.6	2.2	0.9	2.9	21003	245	769	3586	16023	
		Male	2.2	2.7	2.2	1.0	3.0	12289	132	390	2110	9431	
		Female	2.0	2.5	2.2	0.8	2.7	8714	113	379	1476	6592	
	Yes	All	1.0	0.8	0.3	0.4	1.4	5360	126	67	845	4274	
		Male	1.2	1.2	0.5	0.6	1.5	2979	82	45	427	2401	
		Female	0.8	0.5	0.2	0.3	1.2	2381	44	22	418	1873	
	0-19	All	All	24.6	18.7	10.1	14.0	31.5	4605	54	84	801	3516
			Male	27.2	16.7	11.1	17.2	33.6	2814	21	42	561	2091
			Female	21.5	20.3	9.2	9.6	28.8	1791	33	42	240	1425
No		All	23.1	19.0	8.6	12.8	29.6	4161	51	69	708	3213	
		Male	25.3	15.5	9.7	15.7	31.5	2541	18	36	498	1911	
		Female	20.3	21.5	7.6	9.0	27.1	1620	33	33	210	1302	
Yes		All	6.2	.	*	*	9.2	18	.	*	*	12	
		Male	*	.	*	*	*	.	.	*	*	*	
		Female	*	.	.	.	*	.	.	.	*	*	
20-44		All	All	4.8	3.6	4.7	1.8	7.7	13854	152	494	2382	10568
			Male	4.7	4.1	4.7	1.7	7.5	7790	92	252	1334	5960
			Female	5.0	3.1	4.7	1.9	7.9	6064	60	242	1048	4608
	No	All	4.7	4.3	5.0	1.8	8.1	10376	120	458	1926	7660	
		Male	4.6	4.2	5.1	1.6	8.2	5932	64	232	1084	4430	
		Female	4.8	4.4	5.0	1.9	7.9	4444	56	226	842	3230	
	Yes	All	4.4	2.0	1.2	1.7	5.8	2738	28	16	316	2368	
		Male	4.1	3.5	*	2.0	5.1	1424	24	*	182	1206	
		Female	4.8	*	1.7	1.4	7.0	1314	*	10	134	1162	
	45-64	All	All	1.5	1.3	1.4	0.6	2.3	8658	166	280	1468	6644
			Male	1.7	1.7	1.5	0.6	2.6	5096	104	150	778	4002
			Female	1.3	1.0	1.4	0.6	2.0	3562	62	130	690	2642
No		All	1.8	2.2	1.9	0.6	3.0	5812	72	220	884	4592	
		Male	1.9	2.6	1.9	0.6	3.1	3424	48	110	500	2740	
		Female	1.7	1.6	2.0	0.6	2.7	2388	24	110	384	1852	
Yes		All	1.0	1.0	0.5	0.5	1.4	2402	92	42	486	1750	
		Male	1.2	1.3	0.7	0.6	1.6	1414	54	32	226	1084	
		Female	0.8	0.8	0.3	0.5	1.1	988	38	10	260	666	
65 & over		All	All	0.1	*	0.1	0.1	0.2	920	*	32	112	754
			Male	0.2	*	0.2	0.1	0.2	562	*	18	46	490
			Female	0.1	*	0.1	0.1	0.1	358	*	14	66	264
	No	All	0.2	*	0.2	0.1	0.2	654	*	22	68	558	
		Male	0.2	*	0.2	0.1	0.2	392	*	12	28	350	
		Female	0.1	.	0.1	0.1	0.2	262	.	10	40	208	
	Yes	All	0.1	*	*	0.0	0.1	202	*	*	40	144	
		Male	0.1	*	*	0.1	0.2	132	*	*	16	108	
		Female	0.0	*	*	0.0	0.0	70	*	*	24	36	

* = cell suppressed because < 10 patients.
 . = no patients in this cell.

Table F.28
 Transplant Counts and Rates per 100 Patient Years on Dialysis
 by Recipient Age and Race, ESRD Network, and Year

Transplant Type = All Transplants,
 Rate Base = Total Patient Years on Dialysis,
 AND Age on Dec. 31 of TX year 0-19

ESRD Network	Race	Transplant Rate						Number of Transplants					
		1992	1993	1994	1995	1996	1997	1992	1993	1994	1995	1996	1997
Total	All	47.7	50.4	55.9	54.3	48.3	42.8	657	715	823	824	779	696
	Native Amer.	56.3	..	80.2	40.2	..	..	12	..	16	11	..	..
	Asian	32.1	38.5	28.9	37.6	43.6	40.7	16	23	19	28	29	29
	Black	28.8	29.0	45.2	43.8	33.6	25.3	116	124	203	195	167	132
	White	54.3	58.9	61.6	61.4	58.4	53.9	484	531	567	571	557	496
New England	All	44.7	55.1	78.7	72.2	51.3	49.3	19	19	25	26	23	19
	White	43.0	62.5	72.6	67.9	64.1	49.2	16	19	18	21	21	13
NY	All	41.8	41.5	48.1	49.8	43.6	31.6	40	38	54	61	57	40
	Black	..	..	35.3	54.6	41.3	..	..	..	16	23	16	..
	White	50.3	58.2	57.4	43.2	49.9	42.5	31	31	35	29	36	28
NJ, PR	All	28.3	29.2	31.3	20.9	22.3	29.4	17	20	21	15	18	23
	White	43.4	32.1	32.9	28.0	22.3	48.1	14	13	13	12	10	18
PA	All	83.7	114.3	107.4	80.8	60.2	43.2	21	37	41	33	25	25
	Black	..	..	108.5	84.6	..	..	..	..	10	10	..	..
	White	91.8	127.7	110.5	75.6	78.1	47.9	20	32	30	19	19	17
MD, DC, VA, WV	All	36.9	51.0	57.6	45.0	46.2	21.7	31	38	39	36	48	25
	Black	27.7	..	49.8	39.2	28.8	..	10	..	14	15	15	..
	White	44.1	67.4	65.6	51.0	67.3	37.3	21	29	24	20	33	19
NC, SC, GA	All	42.7	31.2	53.8	59.7	29.5	38.2	40	32	59	61	35	50
	Black	31.4	19.2	34.7	40.0	22.6	27.0	16	11	22	21	12	18
	White	61.2	45.5	85.7	93.2	34.4	54.7	24	19	36	38	18	28
FL	All	37.3	25.3	36.1	55.3	33.5	39.0	30	21	28	39	26	33
	Black	..	..	..	32.3	..	..	..	..	..	11	..	..
	White	58.6	38.0	46.9	74.9	43.5	57.7	22	16	19	26	16	24
TN, AL, MS	All	61.7	50.9	52.3	53.8	48.7	42.1	43	36	39	38	40	35
	Black	33.6	35.3	28.5	34.2	33.8	26.5	13	15	12	14	17	14
	White	97.9	80.0	88.2	86.4	79.8	71.6	29	21	27	23	23	20
OH, IN, KY	All	49.2	51.5	63.0	64.6	50.7	52.7	49	53	66	65	59	56
	Black	..	..	..	..	29.1	..	..	..	..	..	12	..
	White	57.4	63.5	77.1	80.7	62.9	71.9	39	45	56	58	45	47
IL	All	22.2	48.2	61.8	58.7	71.3	51.2	15	36	46	46	52	33
	Black	..	..	42.4	35.4	57.1	..	..	..	11	11	15	..
	White	21.6	57.8	75.4	77.6	84.3	64.8	10	27	34	32	34	22
ND, SD, MN, WI	All	65.5	68.3	85.4	68.4	76.0	61.9	62	69	82	62	68	58
	Black	..	41.8	85.3	49.3	57.6	..	..	12	22	17	19	..
	White	88.1	80.4	86.4	84.0	89.0	92.0	57	53	54	42	47	45
NE, IA, KS, MO	All	44.2	71.2	55.8	66.5	50.5	46.9	27	47	37	40	37	34
	White	49.4	77.3	59.5	65.8	56.9	47.9	24	39	28	30	31	25
OK, AR, LA	All	60.8	59.2	54.6	70.1	56.7	51.1	31	32	33	45	34	28
	Black	47.7	36.9	55.4	51.7	..	34.8	12	11	16	13	..	10
	White	66.7	85.5	48.2	83.2	96.5	73.3	16	20	14	30	27	18
TX	All	48.5	40.5	57.4	43.5	44.4	31.9	66	55	72	54	61	45
	Black	26.8	29.6	68.4	..	38.8	27.1	10	11	20	..	14	11
	White	58.0	44.7	51.8	47.5	47.5	35.0	52	41	47	42	42	29
Mountain	All	37.1	46.1	41.7	48.5	45.6	35.1	30	41	42	45	39	31
	White	38.3	46.8	41.0	41.6	42.9	33.9	25	35	34	33	31	25
Northwest	All	28.1	36.3	38.7	39.4	45.6	39.9	20	26	27	33	37	27
	White	27.6	36.6	37.2	44.4	46.4	38.5	16	23	23	30	30	23
N-CA	All	68.4	73.6	49.3	65.0	56.2	49.2	35	39	27	40	34	34
	White	78.5	80.0	70.5	83.6	83.3	73.0	24	22	19	25	26	23
S-CA	All	43.2	29.3	46.8	31.2	33.3	39.1	46	31	52	41	48	59
	White	44.2	35.4	47.1	37.1	36.1	41.2	38	29	40	36	37	45
Unkwn. Net.	All	568.2	603.4	111.0	129.2	297.8	1802.1	35	45	33	44	38	41
	Black	135.2	131.9	11	14
	White	476.5	107.4	164.6	535.4	5870.1	..	17	16	25	31

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. = < 10 patients in this cell; Rows where all cells < 10 patients are not printed.

Table F.28 (Continued)
 Transplant Counts and Rates per 100 Patient Years on Dialysis
 by Recipient Age and Race, ESRD Network, and Year

Transplant Type = All Transplants.

Rate Base = Total Patient Years on Dialysis.

AND Age on Dec. 31 of TX year 20-44

ESRD Network	Race	Transplant Rate					Number of Transplants						
		1992	1993	1994	1995	1996	1997	1992	1993	1994	1995	1996	1997
Total	All	17.9	17.8	17.1	16.1	14.8	14.1	5250	5519	5621	5676	5493	5335
	Native Amer.	15.7	13.5	11.5	12.2	9.1	8.3	53	48	48	57	54	52
	Asian	20.9	16.1	17.3	16.3	14.5	16.8	200	171	206	213	203	232
	Black	8.9	8.3	9.2	8.6	8.0	7.0	1116	1126	1348	1372	1356	1227
	White	24.7	25.5	24.1	23.4	21.7	21.2	3796	4067	3953	3994	3806	3727
New England	All	21.5	19.0	21.5	17.8	17.7	18.3	224	208	242	219	229	233
	Asian	..	..	..	32.3	..	..	..	..	..	10	..	..
	Black	10.9	5.4	14.7	9.0	11.7	8.7	27	15	45	32	44	32
	White	24.7	23.8	24.9	21.3	20.5	22.8	188	188	194	175	175	190
NY	All	12.6	13.3	13.8	14.3	11.4	11.1	297	319	348	373	308	302
	Asian	12.7	15.7	20.4	11.3	16.3	..	10	14	18	11	16	..
	Black	5.1	6.1	6.9	7.6	5.0	4.9	57	69	83	95	65	66
	White	19.9	20.2	20.3	22.2	18.5	18.9	224	231	239	260	215	212
NJ, PR	All	10.8	11.3	10.6	11.4	12.0	11.1	170	178	173	197	212	195
	Asian	27.0	..	28.1	..	..	27.4	10	..	11	..	..	11
	Black	6.9	5.8	7.4	6.4	7.3	6.3	45	38	51	45	53	46
	White	13.3	15.6	12.4	15.3	16.9	15.8	115	135	110	141	148	130
PA	All	23.7	20.4	18.4	19.1	18.5	18.5	314	279	262	304	307	295
	Black	12.4	11.4	10.1	11.3	9.6	8.6	69	68	65	83	74	64
	White	31.8	27.5	25.8	25.9	26.6	27.2	237	205	193	212	225	218
MD, DC, VA, WV	All	17.0	15.1	16.3	15.0	14.3	13.8	323	310	336	327	339	345
	Asian	52.0	..	..	..	33.2	33.4	20	..	..	..	14	14
	Black	9.5	9.3	10.2	9.4	8.5	7.4	115	123	139	138	139	128
	White	29.0	26.7	28.6	28.0	27.7	28.2	187	181	186	181	185	198
NC, SC, GA	All	12.1	11.7	11.0	9.7	8.9	8.6	334	347	359	335	326	335
	Asian	..	..	..	..	15.2	..	..	..	..	..	11	..
	Black	7.5	7.4	5.9	5.7	5.6	5.2	143	151	132	138	141	141
	White	21.6	21.0	23.4	19.4	17.2	17.8	179	187	223	186	167	179
FL	All	15.9	14.4	13.7	13.7	11.1	12.4	231	223	218	234	212	251
	Asian	..	40.4	..	..	..	..	11	..	..	..	..	..
	Black	6.8	4.8	5.7	6.1	6.9	6.6	46	36	46	53	68	71
	White	24.5	22.7	21.5	21.7	16.2	19.8	180	173	162	171	139	175
TN, AL, MS	All	15.3	17.1	14.2	12.9	13.0	10.6	252	302	268	264	292	251
	Black	8.4	11.2	8.3	8.0	8.0	6.1	92	133	105	110	123	99
	White	30.0	29.8	27.0	23.7	25.0	20.5	160	165	158	150	166	145
OH, IN, KY	All	24.5	22.2	21.7	19.9	17.7	15.6	486	464	464	455	445	408
	Black	13.0	10.8	12.4	12.1	9.1	9.1	96	88	107	113	97	100
	White	31.6	29.8	28.1	25.3	24.4	20.4	384	373	351	334	342	298
IL	All	18.9	20.9	21.3	21.5	16.7	17.8	249	286	306	335	281	293
	Asian	..	..	..	..	36.7	..	..	..	..	..	..	10
	Black	8.6	10.3	10.3	10.2	8.8	8.0	58	72	79	87	80	73
	White	29.5	32.1	34.6	35.0	27.0	29.6	180	203	218	234	193	203
ND, SD, MN, WI	All	25.8	25.6	25.5	23.4	23.1	22.9	456	484	517	506	529	523
	Asian	..	..	23.1	27.7	..	21.9	..	..	10	14	..	11
	Black	8.3	7.5	10.5	10.8	10.0	10.6	57	56	85	94	96	103
	White	38.0	38.8	36.6	32.8	34.3	33.4	383	410	411	390	415	396
NE, IA, KS, MO	All	22.7	22.9	25.0	21.5	18.9	16.3	242	260	294	256	240	221
	Black	8.9	12.4	13.5	9.5	8.1	6.6	29	44	51	38	35	31
	White	28.9	28.4	30.8	28.5	25.3	22.0	209	214	236	213	198	181
OK, AR, LA	All	16.9	16.1	16.1	15.2	11.2	9.7	222	224	237	240	193	176
	Black	11.0	7.7	10.6	8.4	6.7	5.7	81	61	92	80	72	63
	White	25.1	27.6	24.5	27.0	19.8	17.1	131	151	134	153	116	106
TX	All	15.3	14.4	14.2	14.6	12.3	10.7	353	353	379	421	376	336
	Asian	..	23.5	23.1	..	18.5	26.4	..	12	13	..	11	14
	Black	9.2	6.1	8.9	8.5	7.4	6.0	80	58	94	99	91	75
	White	19.1	19.4	17.3	19.5	16.0	13.8	260	278	266	311	267	237
Mountain	All	17.5	21.3	19.0	18.6	16.3	17.4	206	268	255	262	241	272
	Native Amer.	..	..	9.6	..	7.3	..	..	..	13	..	13	..

(CONTINUED)

. = < 10 patients in this cell; Rows where all cells < 10 patients are not printed.

Table F.28 (Continued)
 Transplant Counts and Rates per 100 Patient Years on Dialysis
 by Recipient Age and Race, ESRD Network, and Year

Transplant Type = All Transplants,
 Rate Base = Total Patient Years on Dialysis,
 AND Age on Dec. 31 of TX year 20-44

ESRD Network Race	Transplant Rate							Number of Transplants						
	1992	1993	1994	1995	1996	1997	1992	1993	1994	1995	1996	1997		
Mountain	Asian	..	..	..	..	..	22.4	..	..	..	..	10
	Black	8.5	7.9	11.3	7.7	6.6	9.2	11	11	18	14	20		
	White	20.0	25.4	21.7	23.2	19.7	21.5	182	244	217	237	204		
Northwest	All	22.8	23.0	22.4	20.3	18.6	16.9	207	211	215	225	210		
	Asian	..	..	..	18.5	..	..	..	..	..	13	..
	Black	..	..	15.6	7.1	10.7	10.0	..	..	19	14	20
	White	25.0	26.4	24.2	24.1	22.0	18.8	187	195	184	193	179		
N-CA	All	17.4	18.2	17.3	15.8	16.1	13.7	249	275	278	259	235		
	Asian	20.3	14.1	14.1	13.7	12.4	10.6	59	45	52	52	50		
	Black	7.5	6.4	8.5	10.1	10.6	6.6	25	22	32	39	41		
	White	19.9	24.8	22.1	19.9	20.3	19.2	151	197	178	160	164		
S-CA	All	15.6	16.8	16.5	14.8	14.0	14.0	306	348	358	350	358		
	Asian	18.5	15.1	17.4	18.1	13.0	17.1	32	30	41	49	37		
	Black	9.7	8.0	9.3	8.9	8.7	7.7	51	43	52	54	56		
	White	17.2	20.9	19.0	16.9	16.7	16.6	210	270	253	239	251		
Unknwn. Net.	All	229.9	170.7	36.6	25.5	56.9	679.8	129	180	112	114	124		
	Asian	..	..	..	..	85.0	..	..	..	..	..	10
	Black	139.9	69.8	39.2	22.3	45.5	305.1	27	31	53	46	48		
	White	201.8	148.7	31.3	29.7	66.2	1196.2	49	67	40	54	57		

Transplant Type = All Transplants,
 Rate Base = Total Patient Years on Dialysis,
 AND Age on Dec. 31 of TX year 45-64

ESRD Network Race	Transplant Rate							Number of Transplants						
	1992	1993	1994	1995	1996	1997	1992	1993	1994	1995	1996	1997		
Total	All	6.9	7.2	7.0	6.9	6.8	6.7	3631	4056	4328	4703	5073		
	Native Amer.	4.9	4.8	6.2	4.6	4.9	4.1	50	55	78	66	83		
	Asian	8.7	8.1	9.3	7.8	7.6	8.0	138	140	185	183	205		
	Black	3.7	3.8	4.2	3.9	3.8	3.7	806	913	1119	1141	1228		
	White	9.3	9.8	9.2	9.4	9.4	9.4	2592	2872	2915	3285	3510		
New England	All	7.8	9.8	10.3	9.4	9.2	9.6	143	190	218	213	228		
	Black	4.4	6.7	5.5	5.2	5.4	6.6	18	28	26	28	33		
	White	8.8	10.5	11.8	10.7	10.7	10.8	120	154	186	178	191		
NY	All	5.6	5.2	5.4	5.4	5.0	5.2	237	234	266	284	288		
	Asian	9.2	10.8	12.2	8.3	9.4	6.4	10	14	18	13	17		
	Black	2.5	2.6	3.2	3.0	2.4	3.3	49	56	76	75	66		
	White	8.2	7.3	7.2	8.1	7.9	7.3	175	161	165	194	198		
NJ, PR	All	4.1	4.7	5.1	4.1	4.4	5.2	117	144	168	147	171		
	Black	3.2	3.2	3.9	2.5	2.9	4.1	32	35	46	32	40		
	White	4.5	5.3	5.8	4.9	5.6	6.4	79	98	115	104	122		
PA	All	8.3	7.4	7.8	8.4	9.4	9.0	216	204	226	278	331		
	Black	4.6	4.2	5.6	5.1	5.9	5.1	47	48	69	71	87		
	White	10.5	9.4	9.6	10.9	12.1	12.0	163	148	156	202	237		
MD, DC, VA, WV	All	7.0	6.9	6.8	7.0	7.2	6.7	238	248	267	296	344		
	Asian	..	..	17.8	21.0	..	15.1	..	..	11	14	..
	Black	4.3	4.2	4.5	4.6	4.8	4.5	91	96	115	125	148		
	White	11.2	11.8	10.8	11.3	12.3	10.8	138	147	140	156	190		
NC, SC, GA	All	4.7	3.9	4.7	4.0	4.4	4.1	243	225	300	282	344		
	Asian	..	..	..	..	8.0	12.7	..	..	..	..	12
	Black	2.8	2.5	3.2	2.4	2.9	2.8	102	98	140	117	156		
	White	8.8	7.4	8.3	8.1	8.3	7.4	131	121	150	162	171		
FL	All	6.5	6.2	6.3	7.5	6.4	6.7	181	187	204	262	250		

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. = < 10 patients in this cell; Rows where all cells < 10 patients are not printed.

Table F.28 (Continued)
 Transplant Counts and Rates per 100 Patient Years on Dialysis
 by Recipient Age and Race, ESRD Network, and Year

Transplant Type = All Transplants,
 Rate Base = Total Patient Years on Dialysis,
 AND Age on Dec. 31 of TX year 45-64

ESRD Network	Race	Transplant Rate						Number of Transplants					
		1992	1993	1994	1995	1996	1997	1992	1993	1994	1995	1996	1997
FL	Black	2.9	2.3	3.0	3.9	3.7	3.1	40	34	49	68	72	66
	White	10.0	10.4	9.4	11.3	9.4	10.6	137	150	147	190	174	214
TN, AL, MS	All	4.8	5.9	5.4	5.6	4.6	4.4	159	212	211	243	216	222
	Black	2.5	3.5	3.5	3.1	2.5	2.5	53	83	88	86	77	84
	White	9.0	10.2	9.1	10.3	8.8	8.1	106	126	121	152	138	136
OH, IN, KY	All	9.0	9.0	8.1	8.7	8.0	8.1	306	338	320	375	389	418
	Black	5.7	5.6	5.8	6.1	4.7	5.3	72	79	87	98	86	104
	White	10.8	11.0	9.3	10.0	10.1	9.8	227	251	226	267	300	306
IL	All	7.5	7.2	7.4	8.2	8.2	7.7	178	183	207	252	268	264
	Asian	..	..	..	17.0	..	..	..	..	..	12	..	..
	Black	4.3	3.9	4.8	5.4	5.0	4.5	50	49	66	81	81	76
	White	10.2	10.4	9.9	10.8	11.7	11.3	119	129	135	157	179	178
ND, SD, MN, WI	All	11.3	10.9	10.4	11.0	10.8	10.3	345	358	374	436	467	473
	Native Amer.	..	8.9	14.1	6.4	10.8	7.0	..	12	20	10	19	13
	Black	4.2	4.5	5.7	5.3	4.5	4.5	43	53	74	76	74	80
	White	15.2	14.7	12.6	14.9	15.2	14.6	286	284	267	345	367	370
NE, IA, KS, MO	All	7.4	9.2	9.4	8.6	8.0	9.1	140	186	205	208	207	252
	Black	4.5	4.8	5.6	5.0	4.0	3.9	27	31	40	40	35	37
	White	9.0	11.6	11.1	10.5	10.2	12.1	111	150	154	163	165	204
OK, AR, LA	All	5.9	5.9	6.7	5.8	5.1	5.1	138	150	184	175	173	184
	Native Amer.	..	..	..	..	5.7	..	..	..	..	..	10	..
	Black	3.4	3.0	4.2	4.0	2.7	2.4	42	40	63	67	50	50
	White	9.3	10.2	10.1	8.1	8.7	9.3	91	103	110	97	112	127
TX	All	5.9	6.4	5.8	5.4	5.6	5.1	249	288	290	300	343	342
	Asian	..	..	13.9	..	10.7	10.6	..	..	12	..	11	11
	Black	4.8	4.4	3.4	3.3	3.8	2.8	69	69	58	62	80	62
	White	6.6	7.1	6.9	6.7	6.6	6.3	173	200	218	230	246	255
Mountain	All	8.1	9.4	8.0	7.4	7.2	6.8	160	201	189	198	214	216
	Native Amer.	4.0	3.3	3.5	3.3	3.3	2.0	15	14	17	18	20	13
	Black	..	5.6	6.2	6.6	5.6	6.5	..	12	15	18	17	20
	White	9.9	11.7	9.6	8.7	8.5	8.4	133	168	151	155	167	174
Northwest	All	9.0	11.1	11.1	8.9	10.1	9.3	108	148	161	158	195	177
	Asian	..	..	11.8	9.3	9.3	10.1	..	..	10	10	12	13
	Black	..	10.2	6.6	..	6.7	6.5	..	14	10	..	17	13
	White	9.7	12.2	11.9	10.0	11.0	9.7	92	129	136	133	156	141
N-CA	All	7.2	7.5	7.0	7.4	6.6	6.4	169	187	196	228	222	227
	Asian	5.5	5.1	4.6	4.0	4.9	4.8	33	33	34	34	48	49
	Black	4.9	6.0	5.6	4.2	4.3	4.0	23	31	31	25	28	28
	White	8.8	8.8	8.4	10.6	8.4	8.6	105	110	118	161	133	141
S-CA	All	7.5	8.3	7.8	6.6	6.7	6.6	250	283	292	282	329	345
	Asian	10.0	9.1	10.8	8.6	9.2	7.6	29	28	39	38	47	40
	Black	3.3	5.3	4.3	3.6	4.8	4.2	26	45	39	37	55	48
	White	8.6	9.4	8.6	7.5	7.2	7.5	186	206	203	200	216	244
Unknwn. Net.	All	101.5	84.2	12.2	12.3	26.2	331.4	54	90	50	86	94	92
	Asian	..	..	..	..	40.6	1521.9	..	..	..	..	13	12
	Black	66.6	32.5	18.3	10.3	19.2	116.5	11	12	27	26	26	11
	White	74.7	64.4	8.5	11.6	28.4	453.4	20	37	17	39	48	53

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. = < 10 patients in this cell; Rows where all cells < 10 patients are not printed.

Table F.28 (Continued)
 Transplant Counts and Rates per 100 Patient Years on Dialysis
 by Recipient Age and Race, ESRD Network, and Year

Transplant Type = All Transplants,
 Rate Base = Total Patient Years on Dialysis,
 AND Age on Dec. 31 of TX year 65 & over

ESRD Network	Race	Transplant Rate							Number of Transplants						
		1992	1993	1994	1995	1996	1997	1992	1993	1994	1995	1996	1997		
Total	All	0.8	0.7	0.8	0.8	0.8	0.8	502	502	584	682	738	764		
	Asian	0.7	..	0.9	0.3	0.7	0.6	12	..	23	10	25	21		
	Black	0.3	0.3	0.3	0.4	0.4	0.5	62	69	76	109	121	138		
	White	1.0	0.9	1.0	1.0	1.0	0.9	422	417	475	554	583	592		
New England	All	0.7	0.7	0.6	1.0	1.0	0.6	21	23	22	40	42	26		
	White	0.7	0.7	0.6	1.0	0.9	0.5	19	20	19	35	36	20		
NY	All	0.6	0.6	0.7	0.7	0.7	0.7	27	30	38	43	46	51		
	Black	..	..	..	0.5	..	0.5	..	..	..	10	..	11
	White	0.7	0.8	0.8	0.8	0.8	0.8	22	27	31	31	36	37		
NJ, PR	All	0.6	..	0.6	0.7	0.5	0.7	16	..	21	25	22	32		
	White	0.7	..	0.8	0.8	0.8	0.9	15	..	19	23	22	26		
PA	All	1.4	1.2	0.9	1.3	1.3	1.2	51	50	42	65	68	69		
	Black	..	..	..	..	1.1	0.9	..	..	..	..	15	13
	White	1.7	1.3	1.1	1.6	1.3	1.4	46	40	35	56	51	56		
MD, DC, VA, WV	All	0.7	0.6	0.9	0.7	0.7	0.8	25	24	40	37	41	47		
	Black	..	..	0.5	0.5	0.5	0.5	..	..	12	12	13	14
	White	1.1	0.7	1.3	1.1	1.1	1.1	18	14	27	25	28	31		
NC, SC, GA	All	0.4	0.4	0.4	0.4	0.5	0.4	19	19	21	25	38	35		
	Black	..	..	..	0.3	0.3	0.3	..	..	..	14	13	15
	White	0.7	0.7	0.8	0.5	0.9	0.7	12	14	17	11	24	20		
FL	All	0.9	0.8	1.1	1.0	1.2	1.0	36	33	53	54	66	63		
	Black	..	..	..	..	0.7	..	..	..	..	..	10	..
	White	1.1	0.9	1.3	1.3	1.3	1.2	32	30	46	47	52	53		
TN, AL, MS	All	0.7	0.3	0.3	0.4	0.4	0.3	22	11	11	17	18	17		
	White	1.2	0.6	..	0.7	0.7	0.5	17	10	..	14	15	11		
OH, IN, KY	All	1.0	1.0	0.7	0.8	0.7	0.9	45	49	38	50	50	66		
	Black	..	..	..	0.5	0.7	0.7	..	..	..	10	13	15
	White	1.1	1.2	0.9	0.9	0.8	1.0	37	41	33	39	37	50		
IL	All	0.6	0.7	0.6	0.8	0.6	0.6	18	24	23	32	27	29		
	White	0.8	0.9	0.8	1.0	0.7	0.7	15	19	19	25	20	22		
ND, SD, MN, WI	All	1.2	1.1	1.2	1.2	1.4	1.2	54	55	65	69	88	86		
	Black	..	..	..	..	0.7	..	..	..	..	..	..	10
	White	1.5	1.3	1.4	1.4	1.6	1.4	49	48	57	60	76	73		
NE, IA, KS, MO	All	0.9	0.7	1.4	0.9	0.8	0.7	24	22	46	32	30	30		
	White	0.9	0.8	1.4	1.0	0.8	0.7	19	18	36	28	23	23		
OK, AR, LA	All	..	0.6	0.6	0.6	0.7	0.5	..	16	17	19	24	18		
	White	..	0.9	1.0	0.8	0.9	0.6	..	12	15	14	17	12		
TX	All	0.6	0.6	0.7	0.6	0.6	0.6	26	27	34	36	36	44		
	White	0.8	0.7	0.7	0.8	0.7	0.9	23	21	26	31	33	41		
Mountain	All	1.2	1.2	1.0	1.3	0.7	0.9	26	30	28	39	22	32		
	White	1.3	1.4	1.1	1.5	0.7	1.0	22	27	24	36	17	27		
Northwest	All	1.4	0.7	0.6	1.1	1.3	1.1	23	12	12	25	29	27		
	White	1.4	0.7	0.6	1.0	1.3	1.2	20	11	10	20	25	24		
N-CA	All	0.7	0.7	0.8	0.6	0.9	0.9	20	24	28	26	38	41		
	White	0.8	1.0	0.9	0.9	1.2	1.3	15	20	18	19	28	31		
S-CA	All	0.9	0.9	0.8	0.8	0.8	0.8	38	44	42	44	46	48		
	White	1.1	1.1	1.0	1.0	1.0	0.8	34	38	35	39	39	33		

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. = < 10 patients in this cell; Rows where all cells < 10 patients are not printed.

Table F.28 (Continued)
 Transplant Counts and Rates per 100 Patient Years on Dialysis
 by Recipient Age and Race, ESRD Network, and Year

Transplant Type = Cadaveric First Transplants,
 Rate Base = Patient Years on Dialysis, No Prior Tx,
 AND Age on Dec. 31 of TX year 0-19

ESRD Network	Race	Transplant Rate							Number of Transplants						
		1992	1993	1994	1995	1996	1997	1992	1993	1994	1995	1996	1997		
Total	All	25.1	26.4	33.8	27.5	24.0	21.0	235	255	348	305	294	265		
	Asian	28.3	24.1	24.1	28.8	30.5	28.0	11	11	12	17	17	17		
	Black	19.2	20.3	37.2	30.1	20.0	16.9	57	64	124	100	78	70		
	White	25.8	27.8	32.2	26.7	27.1	23.5	149	163	200	177	187	161		
NY	All	20.8	20.5	32.3	31.3	19.7	18.0	13	12	25	28	20	17		
	Black	..	..	29.2	38.0	..	..	..	..	10	13	..	..
	White	27.9	..	36.7	23.3	28.1	27.8	10	..	14	10	14	12		
NJ, PR	All	..	17.4	..	..	13.9	..	..	10	..	..	10	..
PA	All	..	..	83.8	54.3	47.9	33.9	..	..	24	17	15	15
	White	..	..	77.8	..	66.2	..	..	..	15	..	11	..
MD, DC, VA, WV	All	..	28.2	47.6	26.0	14.5	..	..	14	22	16	12	..
	White	..	40.7	57.2	..	..	..	..	11	13	..	..	..
NC, SC, GA	All	27.2	20.0	27.7	24.1	17.1	29.4	18	15	24	18	15	28		
	Black	25.6	..	18.9	24.9	..	21.0	10	..	10	10	..	11		
	White	..	..	43.3	..	..	47.3	..	..	13	..	..	15
FL	All	24.6	15.5	21.2	24.5	20.2	..	16	10	13	14	12	..		
	White	31.7	..	..	..	..	..	10	..	..	..	..	..
TN, AL, MS	All	23.3	24.2	29.9	26.2	..	..	12	12	15	13	..	..
OH, IN, KY	All	21.6	21.5	50.0	33.9	23.0	25.6	12	14	32	21	19	20		
	White	..	29.8	56.7	34.9	21.4	28.4	..	13	25	16	11	14		
IL	All	..	28.3	34.5	37.7	38.2	31.0	..	13	17	23	21	14		
	Black	..	..	..	..	54.9	..	..	..	..	..	11	..
	White	..	..	35.4	34.8	..	..	..	..	10	11	..	..
ND, SD, MN, WI	All	22.5	34.5	41.5	27.2	35.1	19.0	14	22	24	15	21	13		
	Black	..	..	72.3	..	..	..	..	..	11	..	..	..
	White	30.3	42.3	29.5	..	41.3	..	12	16	11	..	13	..		
NE, IA, KS, MO	All	..	29.7	38.2	30.9	22.5	24.2	..	13	16	12	11	13		
	White	..	30.3	..	..	..	..	..	10	..	..	..	..
OK, AR, LA	All	31.6	34.9	42.2	42.6	35.5	23.7	12	13	18	20	16	10		
	Black	..	..	63.0	..	..	..	..	..	13	..	..	..
	White	..	..	..	37.1	66.4	..	..	..	..	10	13	..
TX	All	19.7	20.8	35.2	31.2	26.3	17.2	18	19	30	26	26	18		
	Black	..	..	68.5	..	..	..	..	..	14	..	..	..
	White	22.5	17.6	24.9	36.1	25.5	..	13	10	15	21	15	..		
Mountain	All	20.8	33.6	29.3	30.4	27.9	19.9	11	20	20	19	17	13		
	White	..	29.3	25.9	28.4	23.0	20.7	..	15	15	16	12	11		
Northwest	All	..	..	17.5	..	21.0	..	..	..	10	..	14	..
	White	..	..	..	..	21.5	..	..	..	..	..	11	..
N-CA	All	56.8	38.8	35.3	..	30.9	29.8	17	12	12	..	14	16		
	White	67.0	..	..	..	42.4	..	11	..	..	..	10	..
S-CA	All	36.8	22.0	30.8	20.0	12.9	24.6	27	15	24	20	15	32		
	White	34.6	25.5	30.1	25.8	13.8	25.3	20	13	17	18	11	23		
Unknwn. Net.	All	1721.1	500.7	..	72.2	168.0	4980.7	18	19	..	22	19	15		
	White	95.0	304.9	14	16	..		

(CONTINUED)

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Table F.28 (Continued)
 Transplant Counts and Rates per 100 Patient Years on Dialysis
 by Recipient Age and Race, ESRD Network, and Year

Transplant Type = Cadaveric First Transplants,
 Rate Base = Patient Years on Dialysis, No Prior Tx,
 AND Age on Dec. 31 of TX year 20-44

ESRD Network	Race	Transplant Rate							Number of Transplants						
		1992	1993	1994	1995	1996	1997	1992	1993	1994	1995	1996	1997		
Total	All	13.6	13.5	12.7	11.8	10.3	9.5	3120	3290	3269	3285	3072	2907		
	Native Amer.	12.4	10.6	8.3	7.0	6.2	4.9	35	32	29	28	32	26		
	Asian	17.9	13.6	12.4	12.5	11.7	13.4	136	115	119	133	134	152		
	Black	7.7	6.9	7.5	7.2	6.4	5.5	809	778	913	961	920	814		
	White	18.2	19.3	17.7	16.9	14.9	14.1	2085	2303	2161	2145	1957	1873		
New England	All	14.4	13.2	13.3	11.0	9.3	10.0	112	107	109	100	90	97		
	Black	9.0	4.9	9.7	4.3	7.6	5.6	18	11	24	12	23	17		
	White	15.9	16.4	15.4	13.7	10.0	12.8	88	93	83	80	61	77		
NY	All	8.7	9.4	10.2	9.6	7.7	7.7	167	183	208	202	169	172		
	Asian	..	..	14.4	..	11.7	..	..	..	11	..	10	..
	Black	3.8	4.7	5.5	5.7	3.4	3.6	37	46	58	63	39	42		
	White	14.0	14.7	15.5	15.3	13.4	13.7	120	125	136	131	115	114		
NJ, PR	All	7.9	8.0	6.8	8.4	8.0	6.9	104	105	92	121	118	103		
	Black	6.6	4.8	5.9	5.5	5.7	5.1	37	27	35	33	35	32		
	White	8.5	10.5	7.3	10.9	11.4	9.0	60	74	52	82	81	60		
PA	All	19.3	15.6	14.3	14.7	14.0	13.3	194	162	156	182	182	167		
	Black	10.4	9.1	8.0	9.3	8.5	6.9	47	44	42	57	55	43		
	White	26.1	21.1	20.4	20.5	19.7	19.6	141	114	111	122	123	116		
MD, DC, VA, WV	All	12.8	11.2	12.6	10.0	10.0	8.6	201	190	215	180	196	180		
	Asian	..	..	..	..	30.0	..	..	..	..	..	10	..
	Black	7.6	6.8	7.6	7.0	6.3	5.1	79	77	88	87	89	76		
	White	23.1	20.6	24.0	18.7	19.2	17.7	114	108	119	91	97	95		
NC, SC, GA	All	8.9	8.8	7.6	6.9	6.5	6.6	199	213	202	196	197	214		
	Black	6.7	6.3	5.0	4.6	4.4	4.4	106	110	96	95	95	103		
	White	14.4	15.1	14.8	13.5	12.8	13.3	88	99	104	97	93	101		
FL	All	12.2	11.2	10.2	9.7	8.3	9.6	147	144	136	138	134	163		
	Black	5.7	4.3	4.3	5.5	5.6	6.0	34	28	30	42	50	58		
	White	18.8	17.3	16.5	14.6	11.9	14.8	109	104	99	90	80	102		
TN, AL, MS	All	10.8	13.0	10.3	10.3	10.3	7.2	143	185	155	169	187	138		
	Black	7.8	10.2	7.3	8.3	7.2	4.8	71	101	77	95	93	66		
	White	18.0	19.3	17.5	15.6	18.7	13.3	72	80	75	72	92	70		
OH, IN, KY	All	19.5	20.6	19.0	15.7	13.5	12.2	295	327	304	270	260	246		
	Black	11.7	10.1	11.0	10.7	8.4	7.3	68	65	74	79	72	66		
	White	24.4	27.9	25.0	19.7	18.1	16.0	223	259	227	188	186	172		
IL	All	13.6	16.7	17.0	16.3	12.0	12.6	140	179	191	198	160	168		
	Black	7.1	9.0	9.5	8.9	7.9	5.2	39	52	60	62	60	40		
	White	20.7	25.9	27.5	25.9	18.6	22.8	93	121	127	126	98	119		
ND, SD, MN, WI	All	18.1	17.0	17.2	15.8	12.7	12.9	245	245	263	259	225	227		
	Black	8.1	5.6	7.6	8.7	5.7	7.7	45	35	52	63	46	63		
	White	26.1	26.5	25.3	22.7	19.6	18.0	192	200	197	187	168	151		
NE, IA, KS, MO	All	17.9	17.2	19.6	14.7	13.2	10.8	143	149	173	132	126	113		
	Black	7.0	7.9	12.1	8.0	7.3	4.7	18	22	36	25	25	18		
	White	23.4	22.4	23.9	19.3	17.4	15.4	123	126	132	105	99	93		
OK, AR, LA	All	12.6	12.3	11.8	12.0	8.3	7.4	131	137	140	154	115	109		
	Black	8.9	5.9	9.2	7.7	5.8	4.9	53	38	66	62	52	45		
	White	17.7	21.7	16.0	20.1	13.7	13.0	71	92	66	86	60	61		
TX	All	12.2	11.7	12.0	11.8	9.4	8.4	221	226	252	268	230	210		
	Asian	..	26.9	23.5	..	22.8	24.7	..	10	10	..	10	10		
	Black	9.8	5.1	7.6	7.5	6.4	6.0	68	38	64	72	65	62		
	White	13.4	15.5	14.5	15.5	11.7	10.2	143	174	172	190	150	134		
Mountain	All	14.3	14.2	14.2	14.3	11.4	10.4	125	134	146	157	130	127		
	Black	9.8	..	10.2	..	7.5	7.8	10	..	13	..	12	14		
	White	15.6	16.7	16.1	18.5	13.5	12.3	103	118	121	142	104	100		
Northwest	All	17.0	19.8	15.8	14.2	13.7	10.4	117	138	118	125	122	85		
	Asian	..	..	..	18.3	..	..	..	..	..	11	..	..
	Black	..	..	12.3	..	7.2	..	..	..	13	..	12	..
	White	18.5	23.1	16.7	16.7	16.9	11.9	102	126	96	102	104	72		
N-CA	All	15.9	15.1	12.8	13.0	11.8	10.5	167	167	149	155	149	139		

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Table F.28 (Continued)
 Transplant Counts and Rates per 100 Patient Years on Dialysis
 by Recipient Age and Race, ESRD Network, and Year

Transplant Type = Cadaveric First Transplants,
 Rate Base = Patient Years on Dialysis, No Prior Tx,
 AND Age on Dec. 31 of TX year 20-44

ESRD Network Race	Transplant Rate						Number of Transplants					
	1992	1993	1994	1995	1996	1997	1992	1993	1994	1995	1996	1997
N-CA Asian	20.0	12.9	12.1	10.1	11.6	9.2	44	32	35	30	37	31
Black	7.1	5.5	8.0	8.9	8.0	5.5	19	15	23	27	25	18
White	18.0	19.8	14.7	16.9	14.1	14.4	95	111	82	92	81	83
S-CA All	12.7	12.3	12.6	10.7	9.9	8.5	188	195	209	198	204	186
Asian	17.8	11.4	8.7	15.4	9.4	13.2	25	18	17	35	23	31
Black	8.6	6.6	7.7	7.3	6.8	4.7	37	29	36	37	37	28
White	13.5	15.1	14.9	11.7	11.6	9.9	119	145	145	124	135	120
Unkwn. Net. All	267.7	138.8	18.8	19.0	37.7	829.5	81	104	51	81	78	63
Black	121.6	70.3	21.2	17.1	35.0	666.2	18	26	26	34	35	17
White	204.0	101.3	14.7	21.7	36.4	695.5	29	34	17	38	30	33

Transplant Type = Cadaveric First Transplants
 Rate Base = Patient Years on Dialysis, No Prior Tx,
 AND Age on Dec. 31 of TX year 45-64

ESRD Network Race	Transplant Rate						Number of Transplants					
	1992	1993	1994	1995	1996	1997	1992	1993	1994	1995	1996	1997
Total All	5.5	5.8	5.6	5.2	5.0	4.9	2672	3027	3167	3306	3502	3634
Native Amer.	3.5	3.6	4.5	3.2	3.7	2.7	34	40	55	44	60	45
Asian	7.1	7.2	7.8	6.2	6.4	6.7	106	117	145	135	160	171
Black	3.0	3.2	3.6	3.3	3.2	3.1	612	717	885	884	951	999
White	7.4	7.8	7.1	6.9	6.7	6.6	1885	2098	2054	2221	2304	2371
New England All	6.4	8.6	7.6	6.1	5.9	6.4	107	152	146	126	133	152
Black	3.8	6.1	4.2	3.4	3.8	4.5	14	23	18	17	21	26
White	7.0	9.1	8.6	7.0	6.8	7.1	88	122	123	105	110	120
NY All	4.4	4.3	4.5	4.3	4.0	4.0	171	182	203	208	210	224
Asian	..	9.8	12.0	..	7.0	5.7	..	12	17	..	12	10
Black	1.8	2.0	2.6	2.4	1.9	2.9	32	41	58	57	50	79
White	6.6	6.3	5.9	6.5	6.4	5.3	130	127	123	142	146	126
NJ, PR All	3.2	4.0	3.9	3.4	3.3	3.8	86	114	119	114	122	143
Black	2.5	2.6	3.1	2.3	2.5	3.4	24	27	35	28	32	45
White	3.4	4.5	4.2	3.9	4.1	4.5	57	78	78	78	84	90
PA All	6.6	5.7	6.5	6.5	7.2	7.1	158	145	172	199	233	236
Black	3.5	3.2	4.8	4.4	4.9	4.6	33	34	54	56	66	63
White	8.4	7.3	7.9	8.2	9.0	9.2	120	105	117	139	163	170
MD, DC, VA, W All	5.4	5.4	5.4	5.1	5.3	4.9	170	181	195	198	236	239
Asian	..	..	..	19.8	..	14.4	..	..	..	..	..	11
Black	3.5	3.3	4.0	3.5	3.8	3.7	68	71	95	88	110	117
White	8.3	9.2	7.6	7.7	8.6	7.0	94	105	91	97	122	110
NC, SC, GA All	3.4	3.0	3.7	2.9	3.3	3.2	165	159	220	195	241	254
Asian	..	..	..	..	..	10.1	..	..	..	..	..	12
Black	2.2	2.1	2.7	2.0	2.4	2.4	75	80	112	94	121	129
White	6.2	4.9	6.0	5.4	5.5	5.1	87	74	101	100	106	106
FL All	5.5	5.7	5.4	6.2	5.1	5.7	143	159	163	202	185	224
Black	2.6	2.1	2.9	3.6	3.1	2.7	33	29	44	59	57	54
White	8.3	9.5	7.9	9.0	7.2	8.8	106	128	115	141	124	164
TN, AL, MS All	3.5	4.5	4.4	4.5	3.6	3.2	108	152	160	183	161	154
Black	1.8	2.9	3.0	2.8	2.2	2.2	36	63	71	73	63	70
White	6.6	7.5	7.1	7.8	6.6	5.2	72	86	88	107	97	82
OH, IN, KY All	7.7	7.2	6.4	6.7	6.6	6.2	241	245	231	268	295	297
Black	5.6	4.6	5.0	5.1	4.4	4.5	65	59	69	75	73	80
White	8.8	8.6	7.1	7.5	8.0	7.2	169	179	158	185	219	209
IL All	6.1	5.8	6.0	6.4	6.2	5.9	135	135	154	179	187	188

(CONTINUED)

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Table F.28 (Continued)
 Transplant Counts and Rates per 100 Patient Years on Dialysis
 by Recipient Age and Race, ESRD Network, and Year

Transplant Type = Cadaveric First Transplants.
 Rate Base = Patient Years on Dialysis, No Prior Tx,
 AND Age on Dec. 31 of TX year 45-64

ESRD Network	Race	Transplant Rate							Number of Transplants						
		1992	1993	1994	1995	1996	1997	1992	1993	1994	1995	1996	1997		
IL	Asian	.	.	.	17.1	.	.	.	.	.	10	.	.
	Black	3.3	3.3	4.1	4.3	4.3	3.9	35	38	51	60	64	61		
	White	8.7	8.1	7.9	8.0	8.4	8.3	94	92	98	107	119	121		
ND, SD, MN, WI	All	9.1	8.3	7.7	7.1	6.0	6.0	252	247	251	258	235	253		
	Native Amer.	.	.	11.1	.	7.0	.	.	.	15	.	12	.		
	Black	3.7	4.2	5.4	3.9	2.6	3.2	34	45	64	52	40	53		
NE, IA, KS, MO	White	12.1	10.9	8.4	9.4	8.3	8.2	206	190	161	196	181	189		
	All	6.0	7.4	7.7	6.9	6.2	6.6	104	137	153	151	147	168		
	Black	3.4	4.3	5.0	4.2	3.4	3.1	19	26	33	31	27	27		
OK, AR, LA	White	7.4	9.2	8.8	8.4	7.9	8.6	83	108	111	117	116	131		
	All	4.4	4.6	5.4	4.5	4.1	3.9	97	108	138	127	129	132		
	Black	2.9	2.5	3.4	3.3	2.5	2.2	33	31	47	51	44	43		
TX	White	6.7	7.6	8.0	6.2	6.3	6.7	60	71	80	68	76	85		
	All	5.1	5.3	5.0	4.5	4.5	4.5	199	221	230	229	254	275		
	Asian	.	.	14.1	.	.	12.3	.	.	11	.	.	11		
Mountain	Black	4.2	3.9	3.3	2.8	3.7	2.7	56	57	52	48	72	55		
	White	5.6	5.6	5.6	5.4	4.9	5.2	137	149	165	173	170	196		
	All	6.5	7.9	6.3	5.7	5.8	4.9	117	153	136	139	159	143		
Northwest	Native Amer.	3.1	2.7	2.3	2.7	3.3	1.8	11	11	11	14	19	11		
	Black	.	5.1	5.4	6.6	5.9	6.5	.	10	12	16	16	18		
	White	7.9	9.7	7.7	6.5	6.5	5.6	97	126	109	105	116	107		
N-CA	All	7.2	9.8	8.8	6.4	7.8	6.5	77	117	114	103	135	111		
	Asian	.	.	.	.	9.1	.	.	.	.	.	11	.
	Black	.	8.0	.	.	4.2	5.8	.	10	.	.	10	11		
S-CA	White	8.0	11.0	10.1	7.2	8.7	6.7	67	103	101	86	110	87		
	All	6.1	5.8	5.7	5.7	5.0	5.1	131	133	145	160	153	168		
	Asian	4.5	4.5	4.1	3.5	4.6	3.9	26	28	29	28	42	37		
Unknwn. Net.	Black	5.2	5.6	4.8	3.9	3.8	3.7	22	26	24	21	22	23		
	White	7.3	6.4	6.4	7.7	5.7	6.9	78	72	81	106	81	104		
	All	5.8	6.9	6.2	5.4	4.7	4.5	177	215	210	212	211	217		
Unknwn. Net.	Asian	7.1	7.7	9.3	7.3	7.6	5.8	19	22	31	30	35	28		
	Black	2.6	4.7	3.6	3.6	4.3	3.4	19	37	30	34	45	36		
	White	6.7	7.7	6.7	5.9	4.5	4.9	132	153	142	143	125	145		
Unknwn. Net.	All	85.2	74.0	6.7	8.0	21.6	283.0	34	72	27	55	76	56		
	Asian	.	.	.	.	40.6	1268.2	.	.	.	13	10	.
	Black	.	28.1	8.2	6.4	13.6	.	.	10	12	16	18	.		
Unknwn. Net.	White	.	58.6	6.1	7.8	23.3	299.2	.	30	12	26	39	29		

(CONTINUED)

. = < 10 patients in this cell; Rows where all cells < 10 patients are not printed.

Table F.28 (Continued)
 Transplant Counts and Rates per 100 Patient Years on Dialysis
 by Recipient Age and Race, ESRD Network, and Year

Transplant Type = Cadaveric First Transplants,
 Rate Base = Patient Years on Dialysis, No Prior Tx,
 AND Age on Dec. 31 of TX year 65 & over

ESRD Network	Race	Transplant Rate						Number of Transplants					
		1992	1993	1994	1995	1996	1997	1992	1993	1994	1995	1996	1997
Total	All	0.6	0.6	0.6	0.7	0.6	0.6	394	424	485	543	580	588
	Asian	.	.	0.7	0.3	0.5	0.5	.	.	16	10	18	16
	Black	0.2	0.3	0.3	0.4	0.4	0.4	45	60	69	92	102	109
	White	0.8	0.8	0.8	0.8	0.8	0.7	335	352	391	435	453	455
New England	All	0.6	0.6	0.5	0.8	0.7	0.4	20	22	20	33	29	19
	White	0.7	0.6	0.5	0.8	0.7	0.4	18	19	17	29	27	15
NY	All	0.4	0.5	0.6	0.5	0.6	0.6	20	27	32	34	38	43
	Black	.	.	.	.	.	0.5	.	.	.	.	.	10
	White	0.5	0.7	0.7	0.6	0.7	0.7	17	24	26	24	29	30
NJ, PR	All	0.4	.	0.6	0.6	0.5	0.7	11	.	21	21	21	30
	White	0.5	.	0.8	0.7	0.7	0.8	11	.	19	19	21	24
PA	All	1.1	1.0	0.9	1.1	1.2	1.0	41	40	38	52	60	55
	Black	.	.	.	.	1.1	0.8	.	.	.	.	.	15
	White	1.4	1.1	1.0	1.3	1.2	1.1	37	33	32	44	44	44
MD, DC, VA, WV	All	0.6	0.5	0.6	0.6	0.6	0.6	21	21	28	28	35	37
	Black	.	.	0.4	.	0.4	0.4	.	.	10	.	12	12
	White	0.8	0.6	0.8	0.9	0.9	0.9	14	12	17	21	23	25
NC, SC, GA	All	0.3	0.3	0.3	0.3	0.4	0.4	14	18	19	20	27	28
	Black	.	.	.	0.3	0.2	0.3	.	.	.	12	10	12
	White	.	0.7	0.7	.	0.7	0.6	.	13	15	.	17	16
FL	All	0.9	0.6	1.1	0.9	1.1	0.9	34	27	53	46	60	53
	Black	.	.	.	.	0.7	.	.	.	.	.	10	.
	White	1.0	0.8	1.3	1.1	1.2	1.0	30	25	46	40	46	43
TN, AL, MS	All	0.4	0.3	0.3	0.3	0.3	0.2	13	10	10	15	13	11
	White	0.7	.	.	0.7	0.5	.	10	.	.	13	10	.
OH, IN, KY	All	0.8	0.8	0.6	0.7	0.7	0.7	36	38	32	44	44	51
	Black	.	.	.	0.5	0.5	0.5	.	.	.	10	10	11
	White	1.0	0.9	0.7	0.8	0.7	0.8	31	31	28	33	34	40
IL	All	.	0.6	0.6	0.6	0.4	0.4	.	20	20	25	17	19
	White	.	0.8	0.7	0.7	0.5	0.5	.	16	17	18	13	14
ND, SD, MN, WI	All	1.0	0.9	0.9	0.8	0.9	0.8	42	41	48	44	57	57
	White	1.2	1.0	1.0	0.9	1.0	0.9	38	35	41	39	49	46
NE, IA, KS, MO	All	0.7	0.7	1.2	0.7	0.6	0.6	19	20	39	24	23	23
	White	0.7	0.7	1.1	0.7	0.6	0.6	16	16	29	20	17	18
OK, AR, LA	All	.	0.4	0.4	0.5	0.6	0.4	.	12	12	16	20	16
	White	.	0.7	0.7	0.7	0.7	0.5	.	10	11	11	13	10
TX	All	0.5	0.5	0.6	0.5	0.4	0.5	20	25	30	30	26	34
	White	0.6	0.6	0.6	0.6	0.5	0.7	17	19	23	25	24	32
Mountain	All	1.1	1.1	0.9	1.2	0.5	0.8	23	26	23	35	17	28
	White	1.2	1.2	0.9	1.4	0.5	0.9	20	24	20	33	12	25
Northwest	All	0.9	0.6	.	0.7	1.1	0.7	14	10	.	16	24	17
	White	0.8	.	.	0.6	1.1	0.7	12	.	.	12	22	15
N-CA	All	0.6	0.6	0.6	0.5	0.7	0.6	18	19	22	22	29	29
	White	0.8	0.9	0.6	0.7	0.9	0.9	14	17	13	15	20	22
S-CA	All	0.7	0.9	0.6	0.6	0.6	0.6	31	41	28	34	34	36
	White	0.9	1.1	0.6	0.8	0.7	0.6	28	35	22	30	29	26

. = < 10 patients in this cell; Rows where all cells < 10 patients are not printed.

Table F.29
 First Transplant Rates per 1000 Patient Years at Risk
 and Standard Errors of the Transplant Rates
 by Age on January 1
 and Treatment Modality

MEAN OF Fitted Rate
 FOR Year: 1997

```

    ~~~~~
    Modality group:
    ~~~~~
    ,CAPD/CCPD Pts, 60 days, Hemodialysis Pts, 60
    ,
    , All Dialysis Patients , on CAPD/CCPD , days on hemo
    ~~~~~
    ~~~~~
    Age
    ,
    , 0-14 , 367.4, 439.8, 291.7,
    , 15-19 , 251.2, 309.4, 224.9,
    , 20-24 , 177.9, 235.8, 165.9,
    , 25-29 , 172.6, 234.4, 158.8,
    , 30-34 , 133.6, 199.3, 117.1,
    , 35-39 , 110.1, 177.2, 94.7,
    , 40-44 , 95.2, 160.0, 80.3,
    , 45-49 , 81.3, 122.5, 72.1,
    , 50-54 , 63.4, 95.7, 56.1,
    , 55-59 , 48.0, 79.0, 42.5,
    , 60-64 , 30.8, 49.2, 28.0,
    , All <65 , 76.5, 131.4, 65.3,
    ~~~~~
    ~~~~~
    
```

MEAN OF Standard Error of Transplant Rate
 FOR Year: 1997

```

    ~~~~~
    Modality group:
    ~~~~~
    ,CAPD/CCPD Pts, 60 days, Hemodialysis Pts, 60
    ,
    , All Dialysis Patients , on CAPD/CCPD , days on hemo
    ~~~~~
    ~~~~~
    Age
    ,
    , 0-14 , 17.6, 27.3, 26.4,
    , 15-19 , 13.1, 27.9, 16.4,
    , 20-24 , 6.7, 17.9, 7.8,
    , 25-29 , 5.0, 13.6, 5.8,
    , 30-34 , 3.5, 10.1, 4.0,
    , 35-39 , 2.7, 8.3, 3.0,
    , 40-44 , 2.2, 7.1, 2.4,
    , 45-49 , 1.8, 5.6, 2.0,
    , 50-54 , 1.5, 4.7, 1.6,
    , 55-59 , 1.2, 4.2, 1.3,
    , 60-64 , 0.9, 3.2, 0.9,
    , All <65 , 0.9, 2.9, 0.9,
    ~~~~~
    ~~~~~
    
```

Patients who died from AIDS are excluded from all calculations.
 Includes all patients who have reached day 91 of ESRD by the end of the year.
 First Transplant rates are considered accurate to within plus or minus the standard error.
 See notes at the beginning of this section and Chapter XII for a description of the death rate methodology.
 The rates in Table F.29 are estimated based on a statistical model to improve the stability of the rates with small groups of patients.
 Rates computed from the counts of years at risk and of transplants in Table D.29S may differ from the rates in Table D.29 for small groups.

Table F.30
 Standardized First Transplantation Ratios for 1995-1997 by State:
 Rates for Individual Years and Aggregate Rate for the Period,
 Based on 1997 Rates and Adjusted for Age on January 1
 (Includes All Dialysis Patients under 65 Who Have Never Received a Transplant)

State	YEAR			
	1997	1995	1996	1997
All	1.07	1.13	1.07	1.01
Alabama	1.00	1.12	1.04	0.86
Western Mountain States**	1.39	1.36	1.44	1.36
Arizona	0.83	0.89	0.81	0.79
Arkansas	1.24	1.37	1.24	1.13
California and Hawaii	1.08	1.12	1.06	1.06
Colorado	1.39	1.57	1.23	1.37
Connecticut	1.08	1.11	1.22	0.93
Pennsylvania and Delaware	1.39	1.38	1.43	1.36
District of Columbia	0.47	0.72	0.41	0.33
Florida	0.98	1.05	0.90	1.00
Georgia	0.64	0.71	0.61	0.63
Illinois	1.34	1.55	1.31	1.18
Indiana	1.08	1.10	1.07	1.05
Iowa	1.80	1.85	1.84	1.72
Kansas	1.10	1.30	0.80	1.18
Kentucky	1.53	1.57	1.50	1.51
Louisiana	0.74	0.89	0.69	0.65
New England*	1.49	1.88	1.54	1.14
Maryland	1.17	1.38	1.09	1.09
Massachusetts	1.56	1.51	1.44	1.71
Michigan	1.21	1.32	1.19	1.15
Minnesota	2.41	2.42	2.64	2.18
Mississippi	0.63	0.76	0.64	0.52
Missouri	1.22	1.37	1.19	1.13
Nebraska	1.58	1.62	1.77	1.36
New Jersey	1.06	1.10	1.11	0.99
New Mexico	0.93	0.93	1.17	0.72
New York	0.90	1.02	0.85	0.83
North Carolina	0.74	0.73	0.78	0.71
Dakotas	1.64	1.76	1.73	1.46
Ohio	1.41	1.53	1.38	1.35
Oklahoma	1.09	1.32	1.12	0.85
Oregon	1.42	1.62	1.38	1.29
Rhode Island	1.86	1.61	1.80	2.15
South Carolina	0.83	0.82	0.90	0.78
Tennessee	0.94	1.05	0.94	0.86
Texas	0.96	1.03	1.00	0.88
Utah	2.19	2.67	2.23	1.69
Virginia	0.91	0.72	1.04	0.94
Washington	1.22	1.23	1.37	1.07
West Virginia	1.75	1.40	2.21	1.61
Wisconsin	2.16	2.26	2.25	1.98
Guam	0.00	0.00	0.00	0.00
Mariana Islands	0.00	0.00	0.00	0.00
Puerto Rico and Virgin Islands	0.32	0.30	0.27	0.42

Some states have been combined due to the small number of dialysis units.
 *New England includes Maine, Vermont and New Hampshire.
 **Western Mountain States include Nevada, Wyoming, Idaho, Montana and Alaska.
 Patients who died from AIDS are excluded from all calculations.
 Patients with missing or unknown race, missing diagnosis, or missing sex are excluded.
 Includes only dialysis patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the methodology.

Table F.29S
 Supplement to Table F.29
 Counts of Transplant Events and Years at Risk
 Used in Estimating First Transplantation Rates in Table F.29:
 First Transplant Rates per 1000 Patient Years at Risk
 by Age on January 1 and Treatment Modality

SUM OF Transplant Events
 FOR Year: 1997

Modality group:			
	CAPD/CCPD Pts, 60 days	Hemodialysis Pts, 60	All Dialysis Patients
Age	on CAPD/CCPD	days on hemo	
. 0-14	212.0	146.0	59.0
. 15-19	174.0	73.0	92.0
. 20-24	333.0	80.0	242.0
. 25-29	629.0	155.0	457.0
. 30-34	744.0	217.0	504.0
. 35-39	888.0	249.0	611.0
. 40-44	1045.0	304.0	700.0
. 45-49	1177.0	257.0	883.0
. 50-54	1046.0	257.0	747.0
. 55-59	940.0	209.0	705.0
. 60-64	681.0	123.0	536.0
. ALL	7869.0	2070.0	5536.0

SUM OF Transplant Rate Years at Risk
 FOR Year: 1997

Modality group:			
	CAPD/CCPD Pts, 60 days	Hemodialysis Pts, 60	All Dialysis Patients
Age	on CAPD/CCPD	days on hemo	
. 0-14	587.6	342.4	211.0
. 15-19	765.6	236.0	492.0
. 20-24	1962.9	364.4	1534.6
. 25-29	3639.2	684.2	2828.9
. 30-34	5688.4	1066.3	4463.7
. 35-39	8289.1	1440.8	6624.2
. 40-44	11099.4	1855.1	8938.9
. 45-49	14417.5	2278.1	11820.0
. 50-54	16132.6	2470.8	13293.9
. 55-59	18455.1	2451.0	15662.6
. 60-64	21878.4	2564.2	18929.2
. ALL	102915.7	15753.1	84798.9

Patients who died from AIDS are excluded from all calculations
 Includes all patients who have reached day 91 of ESRD by the end of the year.
 First Transplant rates are considered accurate to within plus or minus the standard error.
 See notes at the beginning of this section and Chapter XII for a description of the death rate methodology.