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Table F.1  
Renal Transplants, by Reporting Source

	USRDS					UNOSS					Annual Facility Survey§						
	Cadaver	Living related	Living distant/unrelated	Living unk	Unk	All	Cadaver	Living related	Living distant/unrelated	Living unk	Unk	All	Cadaver	Living donor	Living related	Living unrelated	All
1978	2,067	*	.	974	166	3,209	.	.	.	.	.	.	.	.	.	.	.
1979	2,354	.	.	930	280	3,564	.	.	.	.	.	.	.	.	.	.	.
1980	2,602	*	.	918	277	3,798	.	.	.	.	.	.	.	.	.	.	.
1981	2,896	*	.	1,143	220	4,260	.	.	.	.	.	.	.	.	.	.	.
1982	3,437	*	.	1,563	150	5,152	.	.	.	.	.	.	.	.	.	.	.
1983	4,012	.	.	1,730	199	5,941	.	.	.	.	.	.	.	.	.	.	.
1984	4,666	.	.	1,955	187	6,808	.	.	.	.	.	.	.	.	.	.	.
1985	4,992	*	.	2,344	217	7,554	.	.	.	.	.	.	.	.	.	.	.
1986	5,818	*	.	2,876	231	8,927	.	.	.	.	.	.	.	.	.	.	.
1987	6,170	382	20	2,327	186	9,085	.	.	.	.	.	.	.	.	.	.	.
1988	7,611	1,697	76	163	108	9,655	7,232	1,631	99	82	.	9,044	7,115	1,817	1,761	56	8,932
1989	7,413	1,785	88	163	119	9,568	7,087	1,706	114	83	.	8,990	7,006	1,893	1,823	70	8,899
1990	8,074	1,797	112	286	122	10,391	7,781	1,743	133	218	.	9,875	7,705	2,091	2,001	90	9,796
1991	7,918	2,234	109	149	97	10,507	7,733	2,193	154	46	.	10,126	7,644	2,382	2,296	86	10,026
1992	7,866	2,285	150	192	145	10,638	7,695	2,243	223	69	.	10,230	7,579	2,536	2,391	145	10,115
1993	8,410	2,493	217	344	91	11,555	8,170	2,400	276	175	.	11,021	8,106	2,828	2,631	197	10,934
1994	8,378	2,294	250	463	131	11,516	8,384	2,294	325	390	.	11,393	8,312	3,000	2,738	262	11,312
1995	8,602	2,740	428	208	152	12,130	8,604	2,741	582	54	.	11,981	8,486	3,416	2,992	424	11,902
1996	8,575	2,776	545	330	135	12,361	8,576	2,777	746	129	.	12,228	8,495	3,703	3,084	619	12,198
1997	8,612	2,934	602	379	145	12,672	8,617	2,936	849	132	.	12,534	8,512	3,915	3,210	705	12,427
1998	8,985	3,059	814	491	183	13,532	8,989	3,064	1,129	176	.	13,358	8,752	4,520	3,453	1,067	13,272
1999	8,947	3,086	878	592	267	13,770	8,956	3,091	1,288	186	.	13,521	8,839	4,644	3,583	1,061	13,483
2000	8,992	3,343	1,002	1,044	299	14,680	9,001	3,350	1,721	329	.	14,401	8,884	5,427	4,052	1,375	14,311
2001	9,078	3,480	1,130	1,372	271	15,331	9,090	3,486	1,903	603	.	15,082	8,824	5,804	4,236	1,568	14,628

Table F.2  
Renal Transplants: Recipients Age <18  
by age, gender, race, ethnicity, donor type, & number of transplants

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	All
<1	14	*	11	*	10	*	*	*	12	*	*	88
1-5	120	131	149	96	110	139	140	115	139	108	154	1,401
6-10	173	132	153	142	151	156	143	156	151	132	143	1,632
11-17	361	356	404	441	458	422	410	395	461	408	429	4,545
Male	406	372	421	418	440	452	411	386	439	359	443	4,547
Female	262	251	296	267	289	273	286	288	324	295	288	3,119
White	502	477	553	479	499	515	489	476	560	470	528	5,548
Black	122	101	120	168	177	154	145	137	145	133	123	1,525
Native American	18	11	10	13	13	*	10	10	13	*	14	127
Asian	21	22	28	19	26	27	31	24	18	18	22	256
Other/unknown	*	12	*	*	14	21	22	27	27	26	44	210
†Hispanic						119	102	100	123	113	147	817
†Non-Hispanic						606	595	574	640	541	584	4,156
Cadaver	304	296	307	367	329	330	306	287	354	280	287	3,447
Living	358	320	401	302	386	375	368	370	385	342	429	4,036
Unknown	*	*	*	16	14	20	23	17	24	32	15	183
1st transplant	557	541	637	573	639	633	623	588	676	591	676	6,734
2nd transplant	96	66	69	98	73	74	59	75	70	54	49	783
3rd transplant	12	15	10	13	12	14	14	10	16	*	*	130
4th transplant	*	*	*	*	*	*	*	*	*	.	*	18
5th transplant	.	.	.	.	.	*	.	.	.	.	.	*
All	668	623	717	685	729	725	697	674	763	654	731	7,666

Age is calculated as of the day of transplantation.

§Data not collected prior to 1988.

USRDS counts include non-Medicare patients.

†CMS began collecting Hispanic ethnicity data in April 1995; cells for years prior to 1996 have therefore been left blank.

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

., Zero values in this cell.

On our website: Renal Transplants, by gender, race, & age (F.a), Renal Transplants, by year, age, & donor type (F.b),

Renal Transplants grouped by gender, race, & age (F.c), Renal Transplants by donor type, donor race, & recipient race (F.d), &

Renal Transplants, by donor type, gender, age, & race (F.e).

Table F.3

### Renal Transplants, by Donor Type

by age, gender, race, ethnicity, & number of transplants

ALL	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	All
0-17	668	623	717	685	729	725	697	674	763	654	731	7,666
18-34	3,187	3,056	3,247	3,061	3,007	2,902	2,812	2,931	2,829	2,856	2,952	32,840
35-49	3,932	4,013	4,270	4,374	4,640	4,704	4,707	4,963	4,909	5,254	5,263	51,029
50-64	2,349	2,481	2,836	2,873	3,142	3,346	3,732	4,038	4,313	4,691	5,083	38,884
65+	366	464	482	523	612	684	723	924	955	1,225	1,302	8,260
Unknown	*	*	*	.	.	.	*	*	*	.	.	13
Male	6,285	6,254	6,910	6,933	7,362	7,352	7,569	7,992	8,182	8,690	9,060	82,589
Female	4,218	4,383	4,643	4,583	4,768	5,009	5,103	5,540	5,588	5,990	6,271	56,096
Unknown	*	*	*	.	.	.	.	.	.	.	.	*
White	7,716	7,715	8,462	7,946	8,469	8,561	8,822	9,514	9,585	10,280	10,640	97,710
Black	2,195	2,267	2,456	2,872	2,974	3,019	2,966	3,048	3,142	3,291	3,501	31,731
Native American	142	151	144	162	154	163	162	148	196	192	178	1,792
Asian	377	436	420	490	460	492	547	601	601	652	683	5,759
Other/unknown	77	69	73	46	73	126	175	221	246	265	329	1,700
†Hispanic	.	.	.	.	.	1,253	1,311	1,525	1,503	1,659	1,780	10,364
†Non-Hispanic	.	.	.	.	.	11,108	11,361	12,007	12,267	13,021	13,551	84,112
1st transplant	9,155	9,335	10,285	10,153	10,658	10,943	11,233	11,969	12,251	13,010	13,597	122,589
2nd transplant	1,166	1,101	1,106	1,186	1,271	1,197	1,235	1,334	1,292	1,442	1,481	13,811
3rd transplant	164	180	142	153	166	189	178	197	193	200	214	1,976
4th transplant	21	21	18	18	29	26	21	29	30	26	35	274
5th transplant	*	*	*	*	*	*	*	*	*	*	*	40
6th transplant	.	.	.	.	.	.	.	.	.	.	*	*
7th transplant	.	.	.	*	.	.	.	.	.	.	.	*
All	10,507	10,638	11,555	11,516	12,130	12,361	12,672	13,532	13,770	14,680	15,331	138,692
<b>CADAVERIC DONOR</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>All</b>
0-17	304	296	307	367	329	330	306	287	354	280	287	3,447
18-34	2,162	2,049	2,105	1,926	1,929	1,727	1,643	1,669	1,557	1,539	1,479	19,785
35-49	3,113	3,087	3,281	3,305	3,407	3,394	3,343	3,398	3,276	3,225	3,162	35,991
50-64	2,002	2,046	2,294	2,319	2,433	2,570	2,748	2,902	3,027	3,072	3,244	28,657
65+	333	387	422	461	504	554	571	728	733	876	906	6,475
Unknown	*	*	*	.	.	.	*	*	.	.	.	*
Male	4,806	4,706	5,059	5,121	5,342	5,171	5,195	5,405	5,375	5,403	5,428	57,011
Female	3,109	3,159	3,351	3,257	3,260	3,404	3,417	3,580	3,572	3,589	3,650	37,348
Unknown	*	*	.	.	.	.	.	.	.	.	.	*
White	5,617	5,512	5,963	5,596	5,800	5,694	5,688	5,961	5,877	5,847	5,830	63,385
Black	1,822	1,847	1,968	2,275	2,332	2,324	2,325	2,364	2,372	2,458	2,560	24,647
Native American	103	112	108	117	101	115	108	108	132	138	97	1,239
Asian	314	349	321	362	338	380	415	438	427	417	432	4,193
Other/unknown	62	46	50	28	31	62	76	114	139	132	159	899
†Hispanic	.	.	.	.	.	833	836	985	990	1,007	1,079	6,655
†Non-Hispanic	.	.	.	.	.	7,742	7,776	8,000	7,957	7,985	7,999	55,136
1st transplant	6,807	6,793	7,408	7,313	7,475	7,505	7,528	7,853	7,851	7,812	7,957	82,302
2nd transplant	956	899	873	925	958	902	919	952	928	1,012	959	10,283
3rd transplant	136	155	112	118	137	141	141	153	143	144	136	1,516
4th transplant	18	18	15	18	26	22	20	24	21	22	22	226
5th transplant	*	*	*	*	*	*	*	*	*	*	*	35
6th transplant	.	.	.	.	.	.	.	.	.	.	*	*
7th transplant	.	.	.	.	.	.	.	.	.	.	.	.
All	7,918	7,866	8,410	8,378	8,602	8,575	8,612	8,985	8,947	8,992	9,078	94,363

Age is calculated as of the day of transplantation.

†CMS began collecting Hispanic ethnicity data in April 1995; cells for years prior to 1996 have therefore been left blank.

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

." Zero values in this cell.

Table F.3 (continued)  
**Renal Transplants, by Donor Type**  
*by age, gender, race, ethnicity, & number of transplants*

<b>LIVING RELATED</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>All</b>
0-17	337	297	367	276	344	338	318	316	317	281	356	3,547
18-34	948	898	1,045	1,012	912	980	949	974	964	937	1,036	10,655
35-49	729	802	829	893	928	949	983	1,029	1,038	1,198	1,266	10,644
50-64	300	353	475	449	527	542	704	768	795	988	1,132	7,033
65+	21	50	51	52	83	94	109	144	151	250	260	1,265
Unknown	*	.	*	.	.	.	.	*	*	.	.	*
Male	1,329	1,325	1,619	1,533	1,561	1,651	1,747	1,785	1,876	2,038	2,304	18,768
Female	1,006	1,075	1,148	1,149	1,233	1,252	1,316	1,447	1,390	1,616	1,746	14,378
Unknown	*	.	*	.	.	.	.	.	.	.	.	*
White	1,905	1,922	2,212	2,019	2,110	2,206	2,356	2,515	2,505	2,820	3,075	25,645
Black	322	347	424	502	522	528	496	518	542	574	655	5,430
Native American	36	35	31	43	43	37	41	25	42	37	53	423
Asian	59	77	85	104	98	81	99	99	114	142	146	1,104
Other/unknown	14	19	17	14	21	51	71	75	63	81	121	547
†Hispanic	.	.	.	.	.	355	388	424	405	483	508	2,905
†Non-Hispanic	.	.	.	.	.	2,548	2,675	2,808	2,861	3,171	3,542	20,057
1st transplant	2,157	2,233	2,570	2,466	2,560	2,670	2,826	2,976	2,994	3,348	3,686	30,486
2nd transplant	156	147	176	188	211	198	211	224	234	269	308	2,322
3rd transplant	20	17	19	27	20	32	24	29	31	35	47	301
4th transplant	*	*	*	.	*	*	*	*	*	*	*	36
5th transplant	.	.	*	*	.	.	*	.	.	.	.	*
6th transplant	.	.	.	.	.	.	.	.	.	.	.	.
7th transplant	.	.	.	.	.	.	.	.	.	.	.	.
All	2,336	2,400	2,769	2,682	2,794	2,903	3,063	3,232	3,266	3,654	4,050	33,149
<b>LIVING DISTANT/UNRELATED</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>All</b>
0-17	21	23	34	26	42	37	50	54	68	61	73	489
18-29	41	69	73	80	113	157	186	239	241	324	381	1,904
30-44	64	76	122	135	250	316	334	468	503	718	725	3,711
45-59	28	53	49	78	156	204	245	327	417	545	634	2,736
60+	*	*	*	*	21	34	37	44	61	87	119	424
Unknown	.	.	.	.	.	.	.	.	.	.	.	.
Male	94	144	175	198	370	453	543	703	786	1,074	1,174	5,714
Female	62	83	110	127	212	295	309	429	504	661	758	3,550
Unknown	.	.	.	.	.	.	.	.	.	.	.	.
White	132	193	230	249	475	574	681	923	1,016	1,393	1,522	7,388
Black	23	23	35	56	75	131	116	127	182	215	258	1,241
Native American	.	*	*	*	*	11	11	14	19	12	26	110
Asian	*	*	11	16	17	24	27	46	49	77	91	365
Other/unknown	.	*	*	*	*	*	17	22	24	38	35	160
†Hispanic	.	.	.	.	.	65	87	116	108	169	193	804
†Non-Hispanic	.	.	.	.	.	683	765	1,016	1,182	1,566	1,739	7,467
1st transplant	138	208	255	288	524	674	779	1,013	1,178	1,574	1,707	8,338
2nd transplant	17	19	25	34	55	66	67	106	99	142	194	824
3rd transplant	*	.	*	*	*	*	*	11	11	17	27	91
4th transplant	.	.	.	.	.	.	.	*	*	*	*	10
5th transplant	.	.	.	.	.	.	.	.	.	.	.	.
6th transplant	.	.	.	.	.	.	.	.	.	.	.	.
7th transplant	.	.	.	*	.	.	.	.	.	.	.	*
All	156	227	285	325	582	748	852	1,132	1,290	1,735	1,932	9,264

Age is calculated as of the day of transplantation.

†CMS began collecting Hispanic ethnicity data in April 1995; cells for years prior to 1996 have therefore been left blank.

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

." Zero values in this cell.

Table F.4  
Renal Transplants, by Donor Type & Primary Diagnosis

Donor type	Disease group	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Cadaveric	Diabetes	1,727	1,730	2,082	2,086	2,199	2,280	2,366	2,564	2,482	2,506	2,616
	Hypertension	1,233	1,311	1,362	1,509	1,484	1,470	1,469	1,484	1,435	1,496	1,656
	Glomerulonephritis	1,913	1,886	1,810	1,870	1,965	1,906	1,911	2,052	2,002	2,034	1,920
	Cystic kidney	611	661	670	603	721	699	735	710	720	710	695
	Other urologic	129	103	162	130	140	157	148	196	175	177	182
	Other cause	1,042	1,044	1,045	1,035	1,077	1,075	1,045	1,113	1,122	1,065	1,136
	Unknown cause	280	267	301	316	266	282	303	289	304	326	318
	Missing cause	983	864	978	829	750	706	635	577	707	678	555
All		7,918	7,866	8,410	8,378	8,602	8,575	8,612	8,985	8,947	8,992	9,078
Living	Diabetes	486	466	549	584	625	737	748	906	867	1,063	1,242
	Hypertension	239	312	350	395	420	450	459	507	516	678	707
	Glomerulonephritis	663	693	763	818	946	1,047	1,154	1,208	1,194	1,319	1,494
	Cystic kidney	115	133	143	150	211	234	253	332	307	397	491
	Other urologic	70	80	100	85	109	126	134	131	137	159	182
	Other cause	440	446	516	478	597	665	735	773	770	874	1,041
	Unknown cause	86	107	143	124	128	141	153	194	160	221	251
	Missing cause	393	390	490	373	340	251	279	313	605	678	574
All		2,492	2,627	3,054	3,007	3,376	3,651	3,915	4,364	4,556	5,389	5,982
Total	Diabetes	2,213	2,196	2,631	2,670	2,824	3,017	3,114	3,470	3,349	3,569	3,858
	Hypertension	1,472	1,623	1,712	1,904	1,904	1,920	1,928	1,991	1,951	2,174	2,363
	Glomerulonephritis	2,576	2,579	2,573	2,688	2,911	2,953	3,065	3,260	3,196	3,353	3,414
	Cystic kidney	726	794	813	753	932	933	988	1,042	1,027	1,107	1,186
	Other urologic	199	183	262	215	249	283	282	327	312	336	364
	Other cause	1,482	1,490	1,561	1,513	1,674	1,740	1,780	1,886	1,892	1,939	2,177
	Unknown cause	366	374	444	440	394	423	456	483	464	547	569
	Missing cause	1,376	1,254	1,468	1,202	1,090	957	914	890	1,312	1,356	1,129
All		10,410	10,493	11,464	11,385	11,978	12,226	12,527	13,349	13,503	14,381	15,060

Table F.5  
Allocation of Cadaveric Kidneys

COUNTS							
Organ placed by	1996	1997	1998	1999	2000	2001	All
Zero-antigen mismatch	884	925	1,002	894	989	1,133	5,827
Payback	386	347	372	350	379	497	2,331
All other shares	6,289	6,320	6,459	6,024	5,308	5,221	35,621
Unknown	166	174	182	748	1,412	1,345	4,027
All	7,725	7,766	8,015	8,016	8,088	8,196	47,806
PERCENTAGES							
Zero-antigen mismatch	11.4	11.9	12.5	11.2	12.2	13.8	12.2
Payback	5.0	4.5	4.6	4.4	4.7	6.1	4.9
All other shares	81.4	81.4	80.6	75.1	65.6	63.7	74.5
Unknown	2.1	2.2	2.3	9.3	17.5	16.4	8.4
All	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Recipients for whom the donor type is unknown are excluded.

Table F.6  
**Percent Reactive Antibodies (PRA) for Selected Years**  
*by donor type*

<b>CADAVERIC</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>All</b>
<b>Peak PRA</b>							
<20%	6,483	6,545	6,970	6,729	6,908	7,082	40,717
20-39%	588	613	542	515	507	446	3,211
40-59%	336	317	306	308	315	290	1,872
60%+	753	819	797	903	955	919	5,146
Missing	415	318	370	492	307	341	2,243
<b>Most recent PRA</b>							
<20%	7,361	7,467	7,857	7,526	7,732	7,762	45,705
20-39%	312	319	302	303	304	290	1,830
40-59%	172	210	187	212	218	208	1,207
60%+	357	343	351	380	421	450	2,302
Missing	373	273	288	526	317	368	2,145
All	8,575	8,612	8,985	8,947	8,992	9,078	53,189
<b>LIVING DONOR</b>							
<b>Peak PRA</b>							
<20%	3,080	3,315	3,646	3,801	4,673	5,148	23,663
20-39%	174	188	206	189	189	244	1,190
40-59%	89	84	90	88	108	123	582
60%+	132	149	138	154	215	239	1,027
Missing	176	179	284	324	204	228	1,395
<b>Most recent PRA</b>							
<20%	3,277	3,547	3,880	3,986	4,859	5,361	24,910
20-39%	103	112	121	104	113	162	715
40-59%	49	43	65	52	79	79	367
60%+	59	65	71	80	105	113	493
Missing	163	148	227	334	233	267	1,372
All	3,651	3,915	4,364	4,556	5,389	5,982	27,857

Table F.7  
**Cytomegalovirus (CMV) Antibody Status for Selected Years**  
*by recipient & donor CMV status*

<b>CADAVER</b>		<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>All</b>
<b>Recipient CMV</b>	<b>Donor CMV</b>							
Positive	Positive	3,032	3,111	3,312	3,136	2,920	2,794	18,305
	Negative	1,882	1,852	1,911	1,767	1,671	1,724	10,807
	Unknown	79	128	129	218	585	649	1,788
Negative	Positive	1,694	1,586	1,697	1,660	1,409	1,377	9,423
	Negative	1,229	1,255	1,225	1,140	1,111	1,070	7,030
	Unknown	58	64	69	106	276	456	1,029
Unknown	Positive	357	363	380	549	520	518	2,687
	Negative	228	229	240	307	310	289	1,603
	Unknown	16	24	22	64	190	201	517
<b>LIVING</b>								
Positive	Positive	15	67	199	763	1,498	1,783	4,325
	Negative	*	35	113	436	842	931	2,363
	Unknown	1,764	1,917	1,963	1,096	384	433	7,557
Negative	Positive	*	30	92	370	763	838	2,099
	Negative	*	35	104	532	1,108	1,162	2,945
	Unknown	1,542	1,529	1,609	914	221	300	6,115
Unknown	Positive	*	17	40	104	166	177	509
	Negative	*	12	44	118	168	118	464
	Unknown	305	273	200	223	239	240	1,480

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

Table F.8  
Cold Ischemia Time (hours) Cadaveric Transplants for Selected Years

COUNTS	1996	1997	1998	1999	2000	2001	All
0-12	1,410	1,551	1,627	1,637	1,702	1,846	9,773
13-24	4,428	4,500	4,418	4,172	4,035	3,870	25,423
25-36	2,096	1,866	1,925	1,679	1,505	1,361	10,432
37+	333	252	272	228	200	183	1,468
Unknown	308	443	743	1,231	1,550	1,818	6,093
PERCENTAGES	1996	1997	1998	1999	2000	2001	All
0-12	16.4	18.0	18.1	18.3	18.9	20.3	18.4
13-24	51.6	52.3	49.2	46.6	44.9	42.6	47.8
25-36	24.4	21.7	21.4	18.8	16.7	15.0	19.6
37+	3.9	2.9	3.0	2.5	2.2	2.0	2.8
Unknown	3.6	5.1	8.3	13.8	17.2	20.0	11.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Table F.9  
Transplant Rate, by Donor Type & Age  
per 100 patient years on dialysis

RATE		1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	
All	0-17	51.4	45.5	50.3	46.8	44.4	42.2	39.9	38.8	43.5	35.2	36.6	
	18-34	22.8	20.6	21.2	18.7	17.4	16.0	15.1	15.1	14.5	14.1	14.3	
	35-49	13.7	12.9	12.5	11.7	11.1	10.2	9.7	9.8	9.0	9.3	9.0	
	50-64	5.7	5.5	5.9	5.4	5.3	5.3	5.4	5.3	5.3	5.3	5.4	
	65+	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.8	1.0	1.0
	All	7.2	6.6	6.5	5.9	5.7	5.3	5.1	5.1	4.9	4.9	4.9	4.9
Cadaveric	0-17	23.6	21.6	20.9	24.9	20.0	19.6	17.6	16.3	19.9	14.7	14.1	
	18-34	15.3	13.7	13.8	11.7	11.0	9.4	8.7	8.6	8.0	7.6	7.1	
	35-49	10.8	9.8	9.5	8.9	8.1	7.3	6.9	6.7	6.0	5.7	5.4	
	50-64	4.9	4.5	4.8	4.3	4.1	4.0	4.0	3.8	3.7	3.5	3.5	
	65+	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7
	All	5.4	4.9	4.8	4.3	4.0	3.7	3.5	3.4	3.2	3.0	2.9	
Living	0-17	27.4	23.4	28.7	20.8	23.7	21.5	20.9	21.6	22.1	18.7	21.8	
	18-34	7.2	6.6	7.3	6.8	6.0	6.4	6.2	6.2	6.2	6.3	6.9	
	35-49	2.8	2.9	2.9	2.8	2.8	2.8	2.8	3.0	2.9	3.4	3.4	
	50-64	0.8	0.9	1.1	1.0	1.2	1.2	1.4	1.5	1.5	1.7	1.9	
	65+	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	
	All	1.7	1.6	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8	1.9
COUNT													
All	0-17	639	591	668	651	676	680	654	646	723	610	683	
	18-34	3,100	2,923	3,145	2,939	2,902	2,794	2,701	2,794	2,754	2,762	2,846	
	35-49	3,949	4,070	4,272	4,403	4,659	4,662	4,679	4,941	4,832	5,195	5,219	
	50-64	2,406	2,528	2,927	2,939	3,204	3,475	3,845	4,134	4,417	4,790	5,184	
	65+	409	525	540	584	689	750	793	1,017	1,049	1,330	1,399	
	All	10,503	10,637	11,552	11,516	12,130	12,361	12,672	13,532	13,775	14,687	15,331	
Cadaveric	0-17	293	280	278	346	304	315	289	271	331	254	262	
	18-34	2,085	1,948	2,042	1,834	1,846	1,643	1,563	1,591	1,511	1,483	1,421	
	35-49	3,116	3,116	3,254	3,326	3,408	3,346	3,303	3,370	3,215	3,175	3,121	
	50-64	2,051	2,084	2,362	2,358	2,479	2,667	2,834	2,962	3,087	3,132	3,311	
	65+	370	437	473	514	565	604	622	791	803	948	963	
	All	7,915	7,865	8,409	8,378	8,602	8,575	8,611	8,985	8,947	8,992	9,078	
Living	0-17	340	304	381	289	361	346	343	359	368	324	406	
	18-34	979	936	1,080	1,064	1,000	1,113	1,104	1,155	1,177	1,229	1,370	
	35-49	809	907	981	1,035	1,197	1,271	1,328	1,503	1,525	1,906	1,991	
	50-64	334	415	546	553	700	778	979	1,130	1,251	1,560	1,796	
	65+	29	65	64	66	118	143	161	217	235	370	419	
	All	2,491	2,627	3,052	3,007	3,376	3,651	3,915	4,364	4,556	5,389	5,982	

Age is calculated as of December 31 of the year.  
Patients with unknown age are excluded.



Table F.10  
**First Renal Transplant Rates, by Recipient Age on January 1, 2000**  
*per 100 patient years at risk*

Age of recipient	Modality		
	All dialysis	Hemodialysis	CAPD/CCPD
0-17	33.2	30.8	36.1
18-34	13.3	12.2	19.7
35-49	7.7	6.9	13.7
50-64	4.5	4.1	8.2
All <65	6.7	5.9	12.8

Includes all patients who have reached day 91 of ESRD by the end of the year.  
 Rates are estimated based on a statistical model to improve rate stability.  
 Refer to Appendix A, page 201, for a complete description of the first transplantation rate methodology.

Table F.11

**Renal Transplant Rates, by Transplant Type***per 100 patient years on dialysis, 1998-2001 combined, by age, gender, & race*

ALL		Rate					Count					
Age	Gender	White	Black	Native		Asian	All	White	Black	Native		All
				American	Asian				American	Asian	All	
0-17	Male	43.1	24.6	23.0	35.6	37.0	663	174	*	32	877	
	Female	50.9	26.6	60.9	29.7	43.1	952	226	26	29	1,233	
	All	47.4	25.7	43.9	32.5	40.4	1,615	400	34	61	2,110	
18-34	Male	21.4	8.5	11.3	15.6	15.2	2,983	1,095	66	233	4,377	
	Female	21.9	8.8	9.2	16.1	15.6	3,725	1,390	42	245	5,402	
	All	21.7	8.7	10.4	15.9	15.4	6,708	2,485	108	478	9,779	
35-49	Male	15.1	4.7	5.1	11.9	9.7	5,589	1,832	85	431	7,937	
	Female	15.8	4.7	5.2	11.1	10.0	8,222	2,615	104	438	11,379	
	All	15.5	4.7	5.2	11.5	9.9	13,811	4,447	189	869	19,316	
50-64	Male	7.3	2.8	3.1	6.0	5.1	5,294	1,851	127	377	7,649	
	Female	8.9	3.5	4.8	7.3	6.4	8,116	2,693	188	504	11,501	
	All	8.2	3.2	3.9	6.7	5.8	13,410	4,544	315	881	19,150	
65+	Male	1.0	0.5	0.7	0.8	0.8	1,565	480	32	95	2,172	
	Female	1.6	0.9	1.2	1.4	1.4	2,910	638	36	153	3,737	
	All	1.3	0.7	0.9	1.1	1.1	4,475	1,118	68	248	5,909	
All	Male	5.6	2.5	2.9	5.0	4.3	16,094	5,432	318	1,168	23,012	
	Female	6.8	3.5	4.2	5.9	5.5	23,925	7,562	396	1,369	33,252	
	All	6.3	3.0	3.5	5.4	5.0	40,019	12,994	714	2,537	56,264	
<b>CADAVERIC</b>												
0-17	Male	15.3	14.6	14.4	23.4	15.4	236	103	*	21	365	
	Female	17.2	15.1	30.5	14.3	16.7	322	128	13	14	477	
	All	16.4	14.9	23.2	18.7	16.1	558	231	18	35	842	
18-34	Male	10.2	5.7	6.5	8.7	8.1	1,417	737	38	130	2,322	
	Female	10.3	5.9	6.3	7.9	8.1	1,742	924	29	121	2,816	
	All	10.2	5.8	6.4	8.3	8.1	3,159	1,661	67	251	5,138	
35-49	Male	8.7	3.4	3.1	8.1	6.0	3,213	1,340	51	294	4,898	
	Female	9.5	3.7	3.5	7.4	6.5	4,945	2,054	69	295	7,363	
	All	9.1	3.6	3.3	7.8	6.3	8,158	3,394	120	589	12,261	
50-64	Male	4.5	2.1	2.2	4.4	3.4	3,295	1,367	90	276	5,028	
	Female	5.7	2.9	3.3	5.3	4.4	5,175	2,210	131	366	7,882	
	All	5.2	2.5	2.8	4.9	3.9	8,470	3,577	221	642	12,910	
65+	Male	0.7	0.4	0.5	0.6	0.6	1,130	357	22	74	1,583	
	Female	1.1	0.8	0.9	1.1	1.0	2,040	534	27	123	2,724	
	All	0.9	0.5	0.7	0.9	0.8	3,170	891	49	197	4,307	
All	Male	3.2	1.8	1.9	3.4	2.6	9,291	3,904	206	795	14,196	
	Female	4.1	2.7	2.9	3.9	3.5	14,224	5,850	269	919	21,262	
	All	3.7	2.3	2.3	3.7	3.1	23,515	9,754	475	1,714	35,458	

Age is calculated as of December 31 of the 2001.

Patients of unknown age or gender, or of race other than white, black, Native American, or Asian, are excluded.

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

Table F.11 (continued)

**Renal Transplant Rates, by Transplant Type***per 100 patient years on dialysis, 1998-2001 combined, by age, gender, & race*

LIVING		Rate					Count				
Age	Gender	White	Black	Native American	Asian	All	White	Black	Native American	Asian	All
0-17	Male	26.5	9.5	8.6	11.1	20.6	407	67	*	10	487
	Female	31.6	10.6	28.1	13.3	24.7	591	90	12	13	706
	All	29.3	10.1	19.4	12.3	22.8	998	157	15	23	1,193
18-34	Male	10.8	2.7	4.8	6.2	6.8	1,505	344	28	93	1,970
	Female	11.3	2.8	2.6	7.9	7.2	1,912	442	12	121	2,487
	All	11.1	2.8	3.8	7.1	7.0	3,417	786	40	214	4,457
35-49	Male	6.1	1.2	1.9	3.6	3.5	2,251	463	32	130	2,876
	Female	6.0	1.0	1.7	3.3	3.3	3,117	536	34	132	3,819
	All	6.0	1.1	1.8	3.5	3.4	5,368	999	66	262	6,695
50-64	Male	2.6	0.7	0.9	1.5	1.7	1,901	455	37	95	2,488
	Female	3.1	0.6	1.4	1.8	1.9	2,823	455	55	122	3,455
	All	2.9	0.6	1.1	1.6	1.8	4,724	910	92	217	5,943
65+	Male	0.3	0.1	0.2	0.2	0.2	417	118	*	20	562
	Female	0.5	0.2	0.3	0.3	0.4	845	101	*	28	982
	All	0.4	0.1	0.2	0.2	0.3	1,262	219	15	48	1,544
All	Male	2.3	0.7	1.0	1.5	1.6	6,481	1,447	107	348	8,383
	Female	2.7	0.8	1.3	1.8	1.9	9,288	1,624	121	416	11,449
	All	2.5	0.7	1.1	1.6	1.7	15,769	3,071	228	764	19,832

Age is calculated as of December 31 of the 2001.

Patients of unknown age or gender, or of race other than white, black, Native American, or Asian, are excluded.

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

Table F.12  
**Standardized First Renal Transplant Ratios, by State/Territory**

	1998-2000	1998	1999	2000
Alabama	1.00	0.75	1.00	0.76
Alaska	0.96	0.86	1.06	1.14
Arizona	0.97	1.13	0.89	0.92
Arkansas	0.86	0.92	0.92	0.80
California	0.91	0.92	0.90	0.92
Colorado	1.23	1.25	1.26	1.17
Connecticut	1.03	1.01	1.03	1.06
Delaware	1.42	1.34	1.43	1.41
District of Columbia	0.46	0.54	0.54	0.45
Florida	1.01	1.07	0.94	1.01
Georgia	0.64	0.60	0.68	0.66
Hawaii	0.72	0.82	0.78	0.67
Idaho	1.75	1.85	1.97	1.21
Illinois	1.12	1.11	1.13	1.11
Indiana	1.05	0.93	1.08	1.14
Iowa	1.85	1.83	1.89	1.69
Kansas	1.09	1.13	1.02	1.13
Kentucky	1.12	1.14	0.98	1.23
Louisiana	0.64	0.63	0.70	0.62
Maine	1.89	1.52	1.82	2.02
Maryland	1.39	1.35	1.45	1.35
Massachusetts	1.52	1.52	1.29	1.72
Michigan	1.09	1.06	1.07	1.13
Minnesota	2.24	1.81	2.39	2.37
Mississippi	0.56	0.61	0.51	0.63
Missouri	1.11	1.19	1.21	0.93
Montana	1.73	1.36	1.90	1.67
Nebraska	1.41	1.33	1.46	1.37
Nevada	1.33	1.24	1.36	1.32
New Hampshire	1.43	1.16	1.34	1.67
New Jersey	1.04	1.05	1.11	0.97
New Mexico	0.81	0.86	0.95	0.69
New York	0.87	0.91	0.86	0.84
North Carolina	0.65	0.67	0.71	0.60
North Dakota	2.37	1.58	2.00	2.84
Ohio	1.20	1.14	1.26	1.21
Oklahoma	1.04	1.09	0.98	1.08
Oregon	1.52	1.44	1.35	1.71
Pennsylvania	1.35	1.31	1.22	1.50
Rhode Island	1.97	1.39	1.85	2.36
South Carolina	0.79	0.80	0.76	0.84
South Dakota	1.35	1.45	1.32	1.20
Tennessee	0.89	1.00	0.86	0.85
Texas	0.85	0.87	0.87	0.82
Utah	2.16	2.00	2.19	2.00
Vermont	1.71	1.55	1.89	1.26
Virginia	0.91	0.96	0.83	0.96
Washington	1.53	1.41	1.59	1.54
West Virginia	1.48	1.75	1.40	1.21
Wisconsin	1.80	1.71	1.79	1.83
Wyoming	1.33	0.88	1.74	1.29
Puerto Rico & Virgin Islands	0.64	0.58	0.63	0.77
All	1.00	1.00	1.00	1.00

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

Table F.13

**Median Time in Days to First Renal Transplant: Cadaveric Donors**

from first ESRD service day, by age, gender, race, ethnicity, blood type, HLA mismatches, &amp; peak PRA

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
0-17	209	260	245	306	284	306	370	483	324	384	463
18-34	438	434	466	523	566	573	662	693	790	813	835
35-49	458	509	523	574	573	621	716	722	786	836	907
50-64	572	565	595	660	652	745	776	803	864	888	972
65+	653	658	624	785	689	754	768	823	888	859	937
Male	469	512	538	581	590	633	712	737	811	853	912
Female	493	504	520	604	600	658	733	758	789	816	895
White	423	433	464	515	520	563	609	618	658	691	744
Black	695	771	791	769	781	881	1,008	1,037	1,143	1,223	1,286
Other race	446	538	473	684	714	679	757	833	951	1,069	1,050
†Hispanic						819	884	925	1,024	1,070	1,163
†Non-Hispanic						622	703	716	773	807	866
O	588	583	599	676	652	744	787	831	899	963	1,048
A	397	426	446	486	513	553	610	624	692	735	770
B	608	669	681	761	802	865	1,003	996	1,030	996	1,185
AB	317	314	341	415	428	440	420	516	525	591	559
A1	395	.	.	91	729	579	1,048	907	544	651	603
A2	1,012	617	382	458	141	558	.	1,760	572	501	632
A1B	252	.	506	.	.	.	.	717	.	79	464
A2B	.	1,979	.	.	.	.	.	.	984	612	614
<b>HLA MISMATCHES</b>											
0	464	424	446	435	447	557	575	561	563	630	639
1	414	504	438	510	513	618	620	606	605	651	753
2	444	506	466	563	616	570	670	724	748	830	869
3	514	569	565	620	628	658	705	759	829	847	889
4	526	537	578	632	658	701	805	797	863	877	956
5	462	473	542	604	611	717	810	801	902	914	1,020
6	447	503	535	641	696	660	758	851	901	980	1,106
PRA ≤ 50%	462	499	524	585	591	637	705	724	789	827	883
PRA > 50%	872	907	848	919	973	1,069	1,168	1,186	1,093	1,200	1,295
All	478	508	533	588	593	643	717	746	801	836	904

Patients of unknown age or gender are excluded.

Age is calculated as of the day of transplantation.

†CMS began collecting Hispanic ethnicity data in April 1995; cells for years prior to 1996 have therefore been left blank.

".": Zero values in this cell.

Table F.14

**Median Time in Days to First Renal Transplant: Living Donors***from first ESRD service day, by age, gender, race, ethnicity, blood type, HLA mismatches, & peak PRA*

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
0-17	7	65	26	41	90	99	103	142	97	63	127
18-34	121	137	149	176	191	202	230	232	222	223	257
35-49	143	149	175	200	211	205	231	215	190	218	236
50-64	209	202	251	253	245	280	274	282	274	276	320
65+	282	349	288	384	335	442	295	342	371	341	344
Male	120	166	154	193	197	200	218	234	216	225	254
Female	139	121	166	185	194	232	252	238	219	239	280
White	103	138	137	177	189	204	196	200	174	204	208
Black	250	219	259	225	239	267	413	398	371	374	475
Other race	157	146	169	237	209	232	323	324	317	302	392
†Hispanic						347	391	376	369	387	422
†Non-Hispanic						198	210	216	193	211	238
O	153	162	180	214	205	218	256	246	232	273	286
A	97	132	133	168	188	200	199	205	204	207	245
B	145	233	179	237	199	261	283	283	222	229	292
AB	121	162	119	114	153	184	239	272	168	95	180
A1	319	.	31	89	84	34	242	412	121	127	170
A2	.	.	345	74	40	.	285	423	289	112	145
A1B	.	83	.	272	.	.	460	.	310	.	.
A2B	.	.	1,011	.	.	.	.	.	131	8	.
<b>HLA MISMATCHES</b>											
0	105	124	153	139	187	175	197	182	198	160	211
1	108	172	157	178	190	213	255	235	211	227	241
2	126	160	184	221	183	229	195	222	221	239	256
3	137	165	154	186	188	204	249	246	222	224	251
4	219	138	199	235	205	238	252	245	232	236	252
5	237	148	203	238	281	261	272	256	225	271	268
6	227	473	205	183	225	209	259	245	225	257	321
PRA ≤ 50%	127	147	156	186	184	209	224	229	214	224	256
PRA > 50%	197	290	329	428	505	388	519	452	417	398	612
All	127	148	158	189	196	212	233	236	217	232	264

Patients of unknown age or gender are excluded.

Age is calculated as of the day of transplantation.

†CMS began collecting Hispanic ethnicity data in April 1995; cells for years prior to 1996 have therefore been left blank.

." Zero values in this cell.