



SECTION 6

*Transplantation:*  
\_\_\_\_\_

*process*  
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**Table E.1 . 95**

Patients added to the kidney or simultaneous kidney-pancreas waiting list  
by age, gender, race, ethnicity, primary diagnosis,  
transplant number, blood type, & PRA

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Median wait time in days (kidney-alone transplant)  
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primary diagnosis, blood type, & PRA

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Total patients wait-listed for a kidney (as of December 31 of the year)  
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Counts of renal transplants: by donor type & number of transplants

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Hepatitis C (HCVAb) antibody status, by donor type  
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**Table E.15 . 113**

Cold ischemia time (hours): deceased donor transplants

**Throughout this reference section**

Adjusted rates use the 2005 ESRD cohort as reference (represented by outlined columns in tables).

**The following symbols are used throughout this reference section**

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

\* Values for cells with ten or fewer patients are suppressed. " ." Zero values in this cell.

**Data for some early years are omitted from the printed tables; complete data are available on our website, at [www.usrds.org](http://www.usrds.org).**



Table E.1

**Patients added to the kidney or simultaneous kidney-pancreas waiting list**

by age, gender, race, ethnicity, primary diagnosis, transplant number, blood type, & PRA

	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<1	16	*	*	17	17	14	15	17	22	23	28	30	44
1-4	40	53	53	49	46	42	49	57	47	64	77	80	77
5-9	75	83	93	90	70	64	79	115	107	82	125	107	126
10-17	282	347	359	324	340	369	352	392	419	509	548	541	569
18-29	1,737	1,889	1,840	1,922	1,859	2,012	1,862	1,928	2,018	2,088	2,177	2,263	2,294
30-39	2,673	3,368	3,353	3,436	3,451	3,669	3,677	3,620	3,827	3,895	4,008	4,230	4,266
40-49	2,726	4,307	4,321	4,463	4,703	4,899	5,271	5,226	5,549	5,700	6,121	6,600	6,755
50-59	1,984	3,334	3,734	4,021	4,616	5,052	5,670	5,802	6,377	6,856	7,555	8,148	8,958
60-64	619	1,151	1,293	1,421	1,636	1,797	2,076	2,244	2,458	2,681	3,159	3,421	3,883
65-69	305	750	811	890	1,039	1,218	1,426	1,516	1,673	1,949	2,331	2,485	2,849
70-79	90	232	286	328	423	539	704	726	872	1,034	1,213	1,457	1,715
80+	*	*	*	*	12	12	24	25	24	32	44	58	87
Unknown	*	.	.	.	*	*	.	*	.	.	.	*	*
0-17	413	491	514	480	473	489	495	581	595	678	778	758	816
18-44	5,891	7,390	7,219	7,497	7,620	8,003	7,919	7,963	8,350	8,577	8,930	9,510	9,608
45-64	3,848	6,659	7,322	7,766	8,645	9,426	10,637	10,857	11,879	12,643	14,090	15,152	16,548
65-74	388	946	1,055	1,158	1,384	1,649	2,002	2,077	2,368	2,770	3,259	3,599	4,123
75+	11	39	47	64	90	120	152	190	201	245	329	401	528
Unknown	*	.	.	.	*	*	.	*	.	.	.	*	*
Male	6,387	9,234	9,514	9,914	10,876	11,633	12,377	12,624	13,712	14,612	16,370	17,658	19,072
Female	4,167	6,288	6,642	7,050	7,338	8,055	8,828	9,045	9,681	10,301	11,016	11,763	12,553
Unknown	.	*	*	*	.	.	.	.	.	.	.	.	.
White	7,372	10,168	10,465	11,040	11,743	12,747	13,471	13,502	14,658	15,595	16,909	18,063	19,226
African American	2,593	4,378	4,632	4,724	5,193	5,513	6,054	6,358	6,711	7,137	7,756	8,239	8,999
Native American	102	208	181	167	205	205	229	260	276	262	282	336	389
Asian	442	704	800	912	914	1,041	1,170	1,253	1,376	1,428	1,690	1,866	2,149
Other/Unknown	45	67	79	122	159	182	281	296	372	491	749	917	862
†Hispanic			1,691	2,082	2,133	2,561	2,822	3,048	3,366	3,820	4,221	4,575	5,045
†Non-Hispanic			14,466	14,883	16,081	17,127	18,383	18,621	20,027	21,093	23,165	24,846	26,580
Diabetes	2,276	4,449	4,811	5,150	5,612	6,222	6,942	6,988	7,708	8,150	9,115	9,678	10,488
Hypertension	1,969	2,960	3,113	3,114	3,382	3,712	4,187	4,318	4,444	4,874	5,453	5,678	6,112
Glomerulonephritis	2,896	3,987	3,911	4,165	4,413	4,562	4,555	4,712	5,045	5,118	5,495	5,848	6,068
Other cause/unknown	3,413	4,129	4,322	4,536	4,807	5,192	5,521	5,651	6,196	6,771	7,323	8,217	8,957
Listed for first transplant	8,780	13,178	13,795	14,677	15,745	16,955	18,394	18,575	19,996	21,512	23,571	25,365	27,363
Listed for subsequent transplant	1,774	2,347	2,362	2,288	2,469	2,733	2,811	3,094	3,397	3,401	3,815	4,056	4,262
Blood type A	3,680	5,336	5,539	5,788	6,109	6,788	7,052	7,215	7,717	8,273	9,088	9,809	10,604
Blood type B	1,452	2,206	2,218	2,382	2,628	2,758	3,056	3,106	3,372	3,603	3,908	4,186	4,467
Blood type AB	400	603	621	655	727	788	818	822	897	931	1,011	1,181	1,265
Blood type O	5,022	7,380	7,779	8,140	8,750	9,354	10,279	10,526	11,407	12,106	13,379	14,245	15,289
Unknown type	.	.	.	.	.	.	.	.	.	.	.	.	.
PRA <10%	7,294	11,449	11,920	12,592	13,544	14,550	15,549	16,002	17,086	17,993	19,856	21,371	22,714
10% or greater	2,317	2,826	2,780	2,738	3,087	3,596	3,886	4,253	4,803	5,350	6,049	6,556	7,161
Unknown	943	1,250	1,457	1,635	1,583	1,542	1,770	1,414	1,504	1,570	1,481	1,494	1,750
All	10,554	15,525	16,157	16,965	18,214	19,688	21,205	21,669	23,393	24,913	27,386	29,421	31,625

Age is calculated as of December 31 of each calendar year.



Table E.2

**Median wait time in days (kidney-alone transplant)**

by year of listing, age, gender, race, ethnicity, primary diagnosis, blood type, &amp; PRA

	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
0-17	255	196	277	299	318	300	291	295	294	329	274	239	163
18-44	334	487	578	574	632	686	783	865	858	862	926	.	.
45-64	350	597	657	727	776	866	991	999	1,000	996	1,062	.	.
65-74	337	619	686	759	810	831	994	1,040	910	1,014	942	.	.
75+	276	1,009	905	529	726	827	1,116	893	832	983	.	.	.
All 18 and older	341	540	620	649	728	791	907	952	941	955	1,014	.	.
Male	320	489	569	601	671	733	835	873	882	885	905	.	.
Female	370	574	640	666	728	791	910	957	937	965	1,055	.	.
White	280	411	461	468	516	550	646	691	712	731	695	647	.
African American	500	881	974	1,065	1,159	1,233	1,306	1,341	1,345	1,264	.	.	.
Native American	435	765	943	1,127	819	1,172	1,209	1,256	1,122	.	993	.	.
Asian	384	883	1,066	1,030	998	1,123	1,353	1,327	1,338	1,370	.	.	.
Other	363	930	833	1,064	1,366	1,529	1,761	1,329	1,312	1,221	.	.	.
†Hispanic			588	614	676	733	839	886	879	872	911	.	.
†Non-Hispanic			696	759	818	897	1,012	1,037	1,103	1,184	.	.	.
Diabetes	291	478	573	619	727	984	1,168	1,247	1,224	1,199	.	.	.
Hypertension	368	662	727	871	909	960	1,090	1,064	1,126	1,114	.	.	.
Glomerulonephritis	322	533	582	587	611	582	688	729	706	705	723	651	.
Other cause	319	435	496	517	565	561	579	641	644	612	607	605	.
Blood type A	202	372	404	426	476	503	594	626	632	634	663	663	.
Blood type B	549	862	948	934	1,065	1,151	1,344	1,304	1,279	1,297	.	.	.
Blood type AB	118	215	212	246	284	293	364	406	431	446	490	436	.
Blood type O	437	653	762	800	890	958	1,090	1,109	1,132	1,098	.	.	.
PRA <10%	296	459	521	543	610	667	774	819	844	849	876	.	.
10% or greater	688	1,150	1,127	1,319	1,452	1,520	1,686	1,728	1,545	.	.	.	.
Listed for first transplant	314	501	579	608	678	742	855	900	901	905	955	.	.
Listed for subsequent transplant	564	943	848	921	948	980	1,033	1,048	935	1,072	915	.	.
All	336	522	601	629	693	757	863	905	902	916	953	.	.



on our website &amp; CD

Median time in days to first renal transplant from first ESRD service day, by age, gender, race, ethnicity, blood type, HLA mismatches, &amp; peak PRA (E.a).

Age is calculated as of December 31 of each calendar year.



Table E.3

**Total patients wait-listed for a kidney (as of December 31 of the year)**

by age, gender, race, ethnicity, primary diagnosis, transplant number, blood type, PRA, & time on the list

	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<1	*	*	*	*	12	*	13	*	15	15	22	20	24
1-4	22	41	42	39	39	36	35	47	41	47	64	73	65
5-9	55	79	89	102	78	76	94	115	104	91	113	104	122
10-17	318	335	373	370	409	375	410	467	506	543	602	569	523
18-29	2,018	2,810	2,991	3,217	3,302	3,483	3,428	3,538	3,739	3,942	4,030	4,131	4,270
30-39	3,098	5,296	5,684	6,148	6,426	6,872	7,308	7,588	8,069	8,597	8,686	9,129	9,399
40-49	3,261	6,727	7,485	8,183	8,953	9,650	10,525	11,259	12,231	13,120	13,658	14,473	15,248
50-59	2,229	5,309	6,319	7,301	8,485	9,652	11,186	12,568	14,055	15,655	16,925	18,459	19,993
60-64	674	1,762	2,083	2,492	2,974	3,425	4,109	4,757	5,520	6,247	6,902	7,555	8,520
65-69	322	1,067	1,296	1,568	1,882	2,210	2,680	3,242	3,792	4,402	4,981	5,569	6,218
70-79	95	305	433	564	759	1,010	1,342	1,660	2,037	2,556	2,942	3,407	3,999
80+	*	*	12	14	19	23	37	61	71	91	113	139	193
Unknown	*	.	.	.	*	*	*	*	*	*	*	*	*
0-17	402	461	509	521	538	495	552	638	666	696	801	766	734
18-44	6,878	11,383	12,230	13,266	14,060	14,947	15,606	16,350	17,364	18,474	18,927	19,846	20,620
45-64	4,402	10,521	12,332	14,075	16,080	18,135	20,950	23,360	26,250	29,087	31,274	33,901	36,810
65-74	406	1,326	1,653	2,034	2,521	3,041	3,768	4,567	5,406	6,444	7,283	8,193	9,261
75+	15	56	88	112	139	202	291	396	494	605	753	922	1,149
Unknown	*	.	.	.	*	*	*	*	*	*	*	*	*
Male	6,891	13,537	15,317	17,062	19,164	21,196	23,672	25,993	28,812	31,676	34,088	36,942	39,841
Female	5,217	10,209	11,494	12,944	14,175	15,625	17,496	19,320	21,371	23,632	24,951	26,688	28,736
Unknown	.	*	*	*	*	.	.	.	.	.	.	.	.
White	7,526	13,557	15,126	16,796	18,422	20,270	22,450	24,388	26,896	29,666	31,693	34,149	36,715
African American	3,804	8,465	9,632	10,782	12,151	13,447	15,025	16,652	18,300	19,998	21,166	22,538	24,235
Native American	149	311	345	364	425	434	495	566	653	708	719	791	836
Asian	552	1,276	1,536	1,826	2,017	2,268	2,631	2,984	3,409	3,783	4,130	4,550	4,971
Other/Unknown	77	138	173	240	325	402	567	723	925	1,153	1,331	1,602	1,820
†Hispanic			3,008	3,737	4,186	4,900	5,782	6,598	7,474	8,585	9,597	10,649	11,892
†Non-Hispanic			23,804	26,271	29,154	31,921	35,386	38,715	42,709	46,723	49,442	52,981	56,685
Diabetes	2,061	5,546	6,558	7,619	8,748	9,975	11,727	13,169	15,008	16,912	18,436	20,133	22,131
Hypertension	2,312	5,229	5,867	6,439	7,170	8,055	9,198	10,203	11,172	12,468	13,447	14,367	15,338
Glomerulonephritis	3,554	6,586	7,249	8,036	8,731	9,369	9,924	10,675	11,547	12,228	12,674	13,303	13,771
Other cause/unknown	4,181	6,386	7,138	7,914	8,691	9,422	10,319	11,266	12,456	13,700	14,482	15,827	17,337
Listed for first transplant	9,167	18,513	21,053	23,902	26,873	29,904	33,860	37,323	41,267	45,755	49,013	52,966	57,342
Listed for subsequent transplant	2,941	5,234	5,759	6,106	6,467	6,917	7,308	7,990	8,916	9,553	10,026	10,664	11,235
Blood type A	3,210	6,810	7,515	8,331	9,214	10,350	11,487	12,596	13,904	15,435	16,532	17,876	19,431
Blood type B	2,032	4,064	4,636	5,151	5,730	6,164	6,924	7,631	8,460	9,313	9,847	10,481	11,156
Blood type AB	251	570	642	735	856	916	1,082	1,200	1,344	1,500	1,594	1,784	1,949
Blood type O	6,615	12,303	14,019	15,791	17,540	19,391	21,675	23,886	26,475	29,060	31,066	33,489	36,041
Unknown type	.	.	.	.	.	.	.	.	.	.	.	.	.
PRA <10%	7,035	15,555	17,656	19,842	22,244	24,980	28,005	30,741	33,948	37,482	40,142	43,285	46,378
10% or greater	4,446	7,091	7,570	8,016	8,779	9,703	10,835	12,285	14,023	15,716	17,141	18,676	20,121
Unknown	627	1,101	1,586	2,150	2,317	2,138	2,328	2,287	2,212	2,110	1,756	1,669	2,078
Listed for <1 year	6,874	11,506	12,149	13,064	14,182	15,417	16,858	17,372	18,686	19,982	21,722	23,300	25,147
1 - <2 years	2,701	5,870	6,923	7,519	8,108	8,894	9,914	11,169	11,879	12,875	13,374	14,717	15,586
2 - <3 years	1,166	3,100	3,593	4,394	4,910	5,292	5,961	6,815	7,847	8,410	8,801	9,154	10,099
3 - <4 years	675	1,468	1,908	2,262	2,802	3,154	3,510	4,064	4,749	5,503	5,716	6,078	6,302
4 - <5 years	264	654	921	1,151	1,384	1,725	2,044	2,388	2,785	3,316	3,612	3,848	4,205
5+ years	428	1,149	1,318	1,618	1,954	2,339	2,881	3,505	4,237	5,222	5,814	6,533	7,238
All	12,108	23,747	26,812	30,008	33,340	36,821	41,168	45,313	50,183	55,308	59,039	63,630	68,577

Age is calculated as of December 31 of each calendar year.



Table E.3 (continued)

**Total patients wait-listed for a kidney (active listings only, as of December 31 of the year)**

by age, gender, race, ethnicity, primary diagnosis, transplant number, blood type, PRA, & time on the list

	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<1	*	*	*	*	12	*	13	*	15	*	18	15	17
1-4	22	41	42	39	37	34	31	44	37	33	53	52	38
5-9	55	78	88	101	77	73	89	106	89	64	82	64	64
10-17	310	325	361	357	392	347	388	429	448	436	471	413	346
18-29	1,980	2,670	2,805	2,972	3,004	3,092	2,923	2,887	2,906	2,916	2,935	2,990	3,070
30-39	3,031	4,999	5,300	5,639	5,771	5,987	6,134	6,043	6,080	6,127	6,024	6,351	6,744
40-49	3,231	6,404	7,003	7,498	7,982	8,311	8,599	8,672	8,783	8,830	9,147	9,704	10,484
50-59	2,215	5,108	6,023	6,820	7,689	8,406	9,234	9,650	9,975	10,367	11,042	12,077	13,385
60-64	671	1,713	1,988	2,342	2,718	2,979	3,358	3,607	3,831	3,961	4,429	4,870	5,650
65-69	322	1,048	1,252	1,471	1,724	1,938	2,182	2,420	2,577	2,813	3,142	3,473	4,078
70-79	95	303	427	546	708	906	1,112	1,248	1,356	1,509	1,735	2,029	2,449
80+	*	*	12	13	17	20	29	43	44	52	66	76	119
Unknown	*	.	.	.	*	*	*	*	*	*	*	*	*
0-17	394	450	496	507	518	462	521	588	589	543	624	544	465
18-44	6,753	10,757	11,410	12,162	12,615	13,030	13,026	12,971	13,013	13,077	13,172	13,778	14,622
45-64	4,375	10,137	11,709	13,109	14,549	15,745	17,222	17,888	18,562	19,124	20,405	22,214	24,711
65-74	406	1,305	1,604	1,921	2,317	2,684	3,082	3,412	3,653	4,027	4,496	5,047	5,946
75+	15	56	87	109	132	180	241	299	324	347	447	531	700
Unknown	*	.	.	.	*	*	*	*	*	*	*	*	*
Male	6,795	12,982	14,524	15,874	17,402	18,589	19,713	20,286	20,892	21,326	22,650	24,465	27,109
Female	5,153	9,722	10,781	11,932	12,730	13,513	14,380	14,874	15,252	15,794	16,495	17,651	19,338
Unknown	.	*	*	*	*	.	.	.	.	.	.	.	.
White	7,460	13,125	14,496	15,881	17,080	18,220	19,242	19,588	19,971	20,291	21,239	22,684	24,993
African American	3,715	7,922	8,854	9,650	10,517	11,123	11,717	12,116	12,302	12,638	13,323	14,248	15,672
Native American	149	303	330	341	393	377	404	426	467	462	460	518	562
Asian	549	1,233	1,472	1,733	1,875	2,067	2,319	2,524	2,762	2,928	3,195	3,555	3,922
Other/Unknown	75	122	154	203	268	315	411	506	642	801	928	1,111	1,298
†Hispanic			2,840	3,486	3,825	4,343	4,897	5,311	5,646	6,118	6,718	7,437	8,467
†Non-Hispanic			22,466	24,322	26,308	27,759	29,196	29,849	30,498	31,002	32,427	34,679	37,980
Diabetes	2,054	5,438	6,361	7,258	8,108	8,889	9,838	10,125	10,466	10,746	11,519	12,581	14,361
Hypertension	2,280	4,956	5,467	5,834	6,298	6,811	7,372	7,676	7,787	8,188	8,822	9,415	10,214
Glomerulonephritis	3,493	6,260	6,798	7,430	7,881	8,175	8,271	8,462	8,670	8,660	8,851	9,250	9,770
Other cause/unknown	4,121	6,051	6,680	7,286	7,846	8,227	8,612	8,897	9,221	9,526	9,953	10,870	12,102
Listed for first transplant	9,085	17,876	20,078	22,379	24,545	26,359	28,338	29,206	29,878	30,750	32,469	34,973	38,725
Listed for subsequent transplant	2,863	4,829	5,228	5,429	5,588	5,743	5,755	5,954	6,266	6,370	6,676	7,143	7,722
Blood type A	3,176	6,557	7,151	7,791	8,454	9,199	9,724	10,027	10,237	10,434	10,892	11,616	12,779
Blood type B	1,992	3,861	4,342	4,721	5,103	5,266	5,583	5,779	5,974	6,165	6,518	7,043	7,673
Blood type AB	245	547	607	682	778	802	919	956	990	1,016	1,049	1,148	1,245
Blood type O	6,535	11,740	13,206	14,614	15,798	16,835	17,867	18,398	18,943	19,505	20,686	22,309	24,750
Unknown type	.	.	.	.	.	.	.	.	.	.	.	.	.
PRA <10%	7,008	15,132	16,979	18,727	20,512	22,340	23,781	24,370	24,834	25,281	26,706	28,638	31,372
10% or greater	4,318	6,495	6,770	6,968	7,353	7,730	8,159	8,725	9,402	10,150	11,174	12,471	13,935
Unknown	622	1,078	1,557	2,113	2,268	2,032	2,153	2,065	1,908	1,689	1,265	1,007	1,140
Listed for <1 year	6,835	11,175	11,681	12,354	13,134	13,861	14,452	14,205	14,602	14,895	16,170	17,418	19,415
1 - <2 years	2,665	5,631	6,594	7,061	7,405	7,869	8,378	8,795	8,778	9,021	9,237	10,272	11,101
2 - <3 years	1,144	2,957	3,355	4,067	4,466	4,594	4,945	5,291	5,513	5,509	5,727	5,939	6,690
3 - <4 years	656	1,366	1,765	2,027	2,475	2,717	2,820	3,060	3,259	3,335	3,448	3,656	3,837
4 - <5 years	247	582	819	1,005	1,160	1,403	1,610	1,704	1,797	1,943	1,958	2,071	2,353
5+ years	401	994	1,092	1,294	1,493	1,658	1,888	2,105	2,195	2,417	2,605	2,760	3,051
All	11,948	22,705	25,306	27,808	30,133	32,102	34,093	35,160	36,144	37,120	39,145	42,116	46,447





Table E.4

**Total ESRD-certified patients wait-listed for a kidney (as of December 31 of the year)**

by age, gender, race, ethnicity, primary diagnosis, transplant number, blood type, PRA, & time on the list

	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<1	*	*	*	*	*	*	*	*	13	*	14	17	16
1-4	19	31	37	27	30	32	25	37	28	32	46	46	41
5-9	47	63	73	85	59	61	69	80	75	66	75	68	79
10-17	280	292	322	315	341	318	342	397	424	438	476	446	402
18-29	1,818	2,611	2,780	2,985	3,059	3,209	3,173	3,288	3,441	3,594	3,680	3,724	3,810
30-39	2,759	4,861	5,249	5,651	5,927	6,324	6,722	6,978	7,456	7,909	7,956	8,249	8,453
40-49	2,854	6,172	6,839	7,463	8,169	8,844	9,613	10,296	11,197	11,974	12,377	12,999	13,582
50-59	1,918	4,890	5,784	6,707	7,731	8,830	10,201	11,515	12,864	14,242	15,272	16,492	17,742
60-64	585	1,620	1,921	2,311	2,753	3,132	3,773	4,375	5,043	5,706	6,220	6,680	7,430
65-69	275	1,000	1,190	1,449	1,721	2,046	2,464	2,971	3,455	4,003	4,444	4,908	5,440
70-79	77	288	405	537	695	933	1,225	1,514	1,859	2,315	2,622	2,991	3,448
80+	*	*	*	13	15	20	35	57	65	90	108	132	176
Unknown	.	.	.	.	.	.	.	.	*	*	*	*	*
0-17	352	391	435	432	440	417	446	518	540	545	611	577	538
18-44	6,099	10,462	11,279	12,197	12,944	13,757	14,351	15,068	15,985	16,900	17,272	17,913	18,491
45-64	3,835	9,692	11,294	12,920	14,695	16,582	19,131	21,384	24,016	26,525	28,233	30,231	32,526
65-74	345	1,244	1,523	1,895	2,304	2,811	3,452	4,176	4,922	5,851	6,490	7,202	8,069
75+	*	54	82	104	127	188	272	366	457	557	684	829	995
Unknown	.	.	.	.	.	.	.	.	*	*	*	*	*
Male	6,129	12,502	14,089	15,732	17,586	19,476	21,683	23,885	26,465	29,042	30,933	33,162	35,486
Female	4,512	9,341	10,524	11,815	12,924	14,279	15,969	17,627	19,456	21,337	22,358	23,592	25,135
Unknown	.	.	.	*	.	.	.	.	.	.	.	.	.
White	6,584	12,263	13,570	15,027	16,426	18,099	20,024	21,812	24,011	26,314	27,818	29,704	31,908
African American	3,425	8,046	9,231	10,356	11,625	12,891	14,368	15,924	17,505	19,110	20,110	21,287	22,759
Native American	137	294	321	334	394	403	463	543	626	676	674	736	771
Asian	489	1,180	1,400	1,680	1,843	2,070	2,407	2,714	3,101	3,444	3,734	3,967	4,222
Other/Unknown	*	60	91	151	222	292	390	519	678	835	955	1,060	961
†Hispanic			2,844	3,555	4,013	4,712	5,568	6,360	7,201	8,287	9,177	10,039	11,053
†Non-Hispanic			21,769	23,993	26,497	29,043	32,084	35,152	38,720	42,092	44,114	46,715	49,568
Diabetes	1,892	5,043	6,003	6,977	8,008	9,174	10,744	12,135	13,911	15,636	16,957	18,348	20,163
Hypertension	2,236	5,055	5,649	6,188	6,850	7,708	8,763	9,736	10,622	11,817	12,617	13,383	14,184
Glomerulonephritis	3,419	6,226	6,855	7,574	8,230	8,841	9,339	10,014	10,822	11,394	11,721	12,189	12,483
Other cause/unknown	3,094	5,519	6,106	6,809	7,422	8,032	8,806	9,627	10,566	11,532	11,996	12,834	13,791
Listed for first transplant	7,700	16,609	18,854	21,442	24,043	26,838	30,344	33,522	37,005	40,826	43,265	46,090	49,386
Listed for subsequent transplant	2,941	5,234	5,759	6,106	6,467	6,917	7,308	7,990	8,916	9,553	10,026	10,664	11,235
Blood type A	2,818	6,205	6,801	7,532	8,340	9,382	10,409	11,409	12,567	13,853	14,676	15,577	16,851
Blood type B	1,769	3,742	4,297	4,759	5,287	5,699	6,366	7,032	7,791	8,588	8,994	9,495	10,013
Blood type AB	221	523	571	657	760	815	977	1,082	1,226	1,354	1,422	1,565	1,665
Blood type O	5,833	11,373	12,944	14,600	16,123	17,859	19,900	21,989	24,337	26,584	28,199	30,117	32,092
Unknown type	.	.	.	.	.	.	.	.	.	.	.	.	.
PRA <10%	6,201	14,229	16,069	18,063	20,138	22,644	25,319	27,826	30,718	33,692	35,660	37,908	40,315
10% or greater	3,903	6,711	7,177	7,601	8,343	9,254	10,315	11,686	13,308	14,860	16,125	17,471	18,638
Unknown	537	903	1,367	1,884	2,029	1,857	2,018	2,000	1,895	1,827	1,506	1,375	1,668
Listed for <1 year	6,051	10,222	10,739	11,529	12,446	13,620	14,793	15,272	16,371	17,293	18,497	19,414	20,710
1 - <2 years	2,467	5,546	6,494	7,048	7,559	8,264	9,255	10,369	11,041	11,927	12,278	13,347	13,950
2 - <3 years	1,070	2,990	3,431	4,188	4,667	5,003	5,625	6,467	7,384	7,939	8,280	8,551	9,341
3 - <4 years	541	1,413	1,846	2,161	2,673	3,015	3,326	3,858	4,529	5,193	5,426	5,737	5,910
4 - <5 years	198	627	887	1,110	1,318	1,645	1,945	2,259	2,643	3,158	3,402	3,646	3,979
5+ years	314	1,045	1,216	1,512	1,847	2,208	2,708	3,287	3,953	4,869	5,408	6,059	6,731
All	10,641	21,843	24,613	27,548	30,510	33,755	37,652	41,512	45,921	50,379	53,291	56,754	60,621

Age is calculated as of December 31 of each calendar year.





Table E.5

**Percent of prevalent dialysis patients wait-listed for a kidney***by age, gender, race, ethnicity, & primary diagnosis*

	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<1	7.2	4.7	3.3	5.6	9.8	5.8	8.3	3.5	12.0	8.0	10.1	13.1	11.0
1-4	18.4	21.3	23.4	23.6	26.4	31.1	22.3	33.6	23.0	26.5	37.5	31.4	34.2
5-9	21.7	28.4	32.4	33.5	25.4	25.4	27.2	32.0	29.8	29.2	31.5	30.1	34.3
10-17	29.1	28.1	30.2	29.4	32.0	31.7	30.8	34.5	34.8	35.3	37.9	36.4	35.4
18-29	23.7	28.9	29.9	31.5	31.2	32.6	32.1	33.2	34.9	36.7	37.0	36.7	36.4
30-39	18.2	24.0	25.1	26.5	27.2	28.4	29.7	30.5	32.1	33.6	33.7	34.2	34.3
40-49	14.1	19.2	19.8	20.6	21.2	22.0	23.1	24.0	25.4	26.4	26.5	27.2	27.6
50-59	7.5	12.5	13.6	14.4	15.4	16.4	17.7	18.7	19.8	20.9	21.3	21.6	22.0
60-64	3.3	6.7	7.5	8.3	9.3	10.2	11.8	13.1	14.3	15.3	16.0	16.4	17.1
65-69	1.4	3.5	4.0	4.6	5.3	6.2	7.2	8.3	9.4	10.6	11.4	12.1	12.8
70-79	0.3	0.6	0.8	1.0	1.1	1.5	1.9	2.2	2.7	3.2	3.6	4.0	4.5
80+	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4
0-17	25.5	26.1	28.1	28.1	29.0	28.7	27.8	31.7	31.7	31.9	34.7	33.3	32.8
18-44	18.6	23.9	24.7	25.8	26.5	27.6	28.3	29.2	30.8	32.2	32.4	32.9	33.1
45-64	7.2	12.0	12.9	13.7	14.5	15.5	16.9	17.9	19.2	20.1	20.5	20.9	21.3
65-74	1.0	2.2	2.6	3.0	3.5	4.2	5.0	5.8	6.7	7.8	8.4	9.1	9.7
75+	0.1	0.2	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.1	1.3
Male	8.2	11.0	11.5	12.0	12.5	13.2	13.9	14.6	15.5	16.3	16.6	17.1	17.4
Female	6.5	8.8	9.3	9.8	10.1	10.8	11.5	12.2	13.1	13.9	14.1	14.4	14.8
White	7.6	9.9	10.2	10.6	11.0	11.6	12.2	12.7	13.4	14.2	14.5	14.8	15.2
African American	6.6	9.7	10.4	10.9	11.4	12.2	13.1	13.9	14.7	15.5	15.9	16.2	16.7
Native American	7.8	9.7	9.7	9.4	10.2	9.9	10.7	11.9	13.2	13.9	13.4	14.2	14.6
Asian	13.9	15.5	16.6	18.3	18.4	19.2	20.7	21.7	23.2	24.3	25.0	25.1	25.0
†Hispanic			11.4	12.7	12.9	13.9	14.7	15.7	16.6	17.9	18.6	19.2	19.8
†Non-Hispanic			10.4	10.7	11.2	11.8	12.5	13.2	14.0	14.7	15.0	15.3	15.6
Diabetes	4.6	6.5	6.9	7.2	7.6	8.3	9.1	9.7	10.5	11.3	11.7	12.1	12.6
Hypertension	5.3	7.7	8.3	8.6	9.1	9.8	10.7	11.4	11.9	12.7	13.1	13.4	13.8
Glomerulonephritis	13.2	18.4	19.4	20.6	21.5	22.7	23.7	25.0	26.7	28.0	28.5	29.3	29.9
Other cause	9.1	13.1	13.8	14.7	15.1	15.7	16.5	17.5	18.6	19.8	20.0	20.3	20.5
All	7.4	10.0	10.5	11.0	11.4	12.0	12.8	13.5	14.4	15.2	15.5	15.9	16.3



Point prevalent patients on December 31 of each calendar year.  
 Age is calculated as of December 31 of each calendar year.





Table E.6

**Percent of patients either wait-listed or receiving a deceased-donor kidney within one year of ESRD initiation**  
*by age, gender, race, ethnicity, & primary diagnosis*

	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<1	26.3	18.2	22.4	27.1	37.8	24.3	17.9	14.8	25.1	23.4	23.0	20.7
1-4	65.8	58.1	53.8	50.9	48.6	44.5	38.0	53.6	43.6	65.8	53.0	51.2
5-9	62.5	65.8	61.4	62.8	43.2	58.2	48.3	55.1	41.5	52.4	50.6	58.1
10-17	56.4	52.5	51.5	52.6	53.4	53.4	45.8	44.8	47.1	52.7	46.0	53.9
18-29	37.3	34.1	34.6	34.0	31.8	32.3	29.4	29.3	29.4	27.1	29.6	27.3
30-39	33.0	30.4	29.3	28.2	29.3	27.7	26.8	25.3	26.4	25.0	25.7	26.4
40-49	24.6	24.2	23.1	21.7	21.5	21.4	20.3	19.9	18.6	19.2	19.6	20.4
50-59	12.6	13.5	13.6	14.6	14.4	14.0	13.7	13.6	13.8	14.1	14.7	15.4
60-64	5.2	7.6	7.6	8.1	8.1	8.4	9.0	8.5	9.1	9.9	10.4	11.5
65-69	1.9	3.9	3.5	3.8	4.3	4.6	4.7	5.1	5.9	6.2	7.4	8.1
70-79	0.4	0.6	0.6	0.8	0.9	1.1	1.2	1.2	1.3	1.4	2.1	2.4
80+	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
0-17	54.8	51.2	50.2	51.0	49.5	51.0	42.1	43.8	43.9	50.5	44.3	50.3
18-44	32.6	29.5	29.0	28.0	27.4	26.8	25.4	24.6	24.3	23.7	25.0	25.2
45-64	11.6	13.5	13.2	13.5	13.6	13.5	13.3	13.0	13.2	13.6	14.0	14.8
65-74	1.2	2.4	2.2	2.5	2.7	3.0	3.2	3.4	3.9	4.2	5.3	5.9
75+	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.5	0.6
Male	13.8	12.9	12.1	11.6	11.3	11.2	10.7	10.1	10.4	10.7	11.4	12.0
Female	9.7	9.3	8.9	8.5	8.7	8.6	8.2	8.3	8.1	8.4	8.9	9.5
White	13.3	12.2	11.2	11.0	10.9	10.4	9.7	9.4	9.4	9.8	10.1	10.9
African American	8.3	9.2	8.9	8.1	8.0	8.3	8.4	8.0	8.2	8.3	9.2	9.6
Native American	9.9	10.8	9.7	9.4	8.5	8.3	8.0	7.1	9.3	7.5	8.9	9.9
Asian	19.5	13.8	17.1	15.8	16.0	17.1	17.1	18.0	16.4	17.8	19.3	17.8
†Hispanic			8.8	9.3	9.9	9.4	9.2	9.7	10.1	10.6	10.7	11.8
†Non-Hispanic			10.8	10.3	10.1	10.0	9.6	9.2	9.2	9.5	10.2	10.7
Diabetes	9.1	9.0	8.6	8.2	8.0	8.2	7.8	7.6	8.0	8.0	8.7	9.1
Hypertension	7.5	7.2	6.8	6.2	6.3	6.6	6.7	6.1	6.1	6.5	7.1	7.4
Glomerulonephritis	21.9	22.2	20.7	21.5	21.5	21.1	20.3	20.1	21.0	21.7	23.0	24.2
Other cause	17.1	15.2	14.7	14.8	14.8	13.9	13.0	13.4	12.6	13.5	13.8	14.7
All	11.9	11.2	10.6	10.2	10.1	10.0	9.5	9.3	9.4	9.6	10.3	10.9



Table E.6 (continued)

**Percent of patients wait-listed or receiving a deceased- or living-donor kidney within one year of ESRD initiation**  
*by age, gender, race, ethnicity, & primary diagnosis*

	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<1	36.6	38.4	33.2	36.8	45.9	34.0	31.5	32.1	39.5	30.8	35.6	31.5
1-4	72.8	56.6	74.9	71.9	58.8	69.5	65.4	69.8	63.3	72.6	70.0	68.0
5-9	71.3	75.8	69.6	70.1	60.5	67.2	59.9	61.1	63.9	65.3	66.8	66.4
10-17	64.7	63.4	61.9	63.2	64.9	64.3	59.5	59.4	61.5	64.5	59.1	65.5
18-29	45.8	44.2	44.8	44.0	43.5	44.2	42.4	42.2	42.1	41.7	43.2	39.8
30-39	38.4	37.4	35.6	35.8	37.2	35.7	35.8	34.0	35.8	34.9	34.7	35.3
40-49	28.1	28.7	28.0	26.9	27.1	27.8	27.3	26.8	25.3	25.8	26.2	26.4
50-59	14.1	16.4	16.4	18.2	18.0	18.0	18.0	18.1	18.3	18.9	19.4	19.8
60-64	5.7	8.8	9.0	9.9	10.2	10.5	11.4	10.8	12.4	12.5	13.3	14.2
65-69	2.1	4.5	4.2	4.5	5.1	5.7	6.0	6.7	7.8	8.1	9.4	10.0
70-79	0.4	0.7	0.7	0.9	1.0	1.3	1.4	1.5	1.7	1.8	2.6	3.0
80+	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
0-17	63.7	62.2	61.0	61.9	61.3	61.6	56.2	56.9	59.7	61.5	57.9	61.7
18-44	38.7	36.8	36.1	35.8	35.7	35.7	35.0	34.2	34.2	33.9	34.4	34.0
45-64	13.0	16.2	16.1	16.8	17.2	17.3	17.5	17.2	17.7	18.0	18.5	19.0
65-74	1.4	2.8	2.6	3.0	3.3	3.9	4.1	4.4	5.1	5.6	6.7	7.3
75+	0.2	0.2	0.1	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.6	0.7
Male	17.0	16.6	15.7	15.4	15.4	15.3	15.1	14.5	14.9	15.1	15.7	16.0
Female	12.5	12.4	11.9	11.8	12.0	12.1	11.8	11.8	11.9	12.1	12.5	12.8
White	17.1	16.5	15.4	15.5	15.5	15.3	14.7	14.5	14.6	14.8	15.0	15.4
African American	9.4	11.0	10.6	9.7	9.8	10.0	10.3	9.7	10.2	10.2	11.0	11.2
Native American	12.3	13.8	12.2	11.3	11.0	10.4	11.4	9.7	11.6	9.7	11.2	11.9
Asian	21.9	17.1	20.3	19.4	19.5	20.5	21.6	21.7	20.8	22.0	23.0	20.8
†Hispanic			12.0	12.8	13.7	12.9	12.9	13.3	13.8	14.2	14.0	14.9
†Non-Hispanic			14.2	13.8	13.8	14.0	13.7	13.3	13.4	13.6	14.3	14.5
Diabetes	11.2	10.9	10.3	9.9	9.9	10.0	9.9	9.7	10.1	9.9	10.6	11.0
Hypertension	8.6	9.0	8.5	8.0	8.1	8.6	8.9	8.1	8.3	8.7	9.2	9.3
Glomerulonephritis	27.8	29.4	28.3	29.7	30.2	30.3	30.1	30.1	31.1	32.4	33.6	33.7
Other cause	21.5	21.0	20.4	21.0	21.4	21.1	20.4	21.0	20.3	21.3	21.1	21.6
All	14.9	14.6	13.9	13.7	13.8	13.8	13.6	13.3	13.5	13.7	14.3	14.6



Table E.7

**Renal transplants: by donor type**

	Living donor relation										Unk.	Unk.	Total
	Deceased	Living (Total)	Related	Distantly related	Spouse/ life partner	Paired exchange	Unrelated directed	Non-directed donation	Living-Deceased exchange	Unk.			
1980	2,579	913	.	.	.	.	.	.	.	.	913	293	3,785
1981	2,869	1,134	.	.	.	.	.	.	.	.	1,134	223	4,226
1982	3,404	1,547	.	.	.	.	.	.	.	.	1,547	160	5,111
1983	3,965	1,709	.	.	.	.	.	.	.	.	1,709	199	5,873
1984	4,611	1,927	.	.	.	.	.	.	.	.	1,927	197	6,735
1985	4,941	2,326	.	.	.	.	.	.	.	.	2,326	236	7,503
1986	5,775	2,858	.	.	.	.	.	.	.	.	2,858	247	8,880
1987	6,051	2,693	.	.	.	.	.	.	.	.	2,693	185	8,929
1988	7,276	1,838	1,648	37	40	.	25	*	.	.	87	118	9,232
1989	7,104	1,919	1,731	31	54	.	31	.	.	.	72	123	9,146
1990	7,800	2,096	1,773	47	59	.	30	.	.	.	187	133	10,029
1991	7,743	2,403	2,193	48	59	.	47	.	.	.	56	119	10,265
1992	7,692	2,544	2,260	71	80	.	78	.	.	.	55	168	10,404
1993	8,186	2,872	2,457	100	120	.	69	.	.	.	126	105	11,163
1994	8,383	3,009	2,375	127	134	*	76	.	.	.	296	110	11,502
1995	8,609	3,395	2,791	181	260	.	155	.	.	.	*	150	12,154
1996	8,582	3,682	2,840	213	362	.	219	.	*	.	46	115	12,379
1997	8,619	3,935	2,998	233	381	.	274	.	*	.	46	112	12,666
1998	9,005	4,421	3,157	296	547	.	362	*	*	.	56	158	13,584
1999	8,977	4,723	3,286	348	577	.	476	*	*	.	29	127	13,827
2000	9,033	5,492	3,616	411	668	*	772	20	*	.	*	77	14,602
2001	9,113	6,038	3,882	468	715	*	926	28	*	.	*	61	15,212
2002	9,440	6,236	3,849	493	721	*	1,108	54	*	.	.	56	15,732
2003	9,530	6,473	3,853	478	729	19	1,307	75	*	.	*	51	16,054
2004	10,232	6,645	3,830	510	803	34	1,382	80	*	.	.	44	16,921
2005	10,811	6,569	3,696	506	832	27	1,426	69	11	*	*	56	17,436
2006	11,576	6,431	3,509	491	824	74	1,450	58	22	*	*	45	18,052



Table E.8

**Renal transplants: recipients age <20**

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

	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<1	.	*	*	*	*	*	*	13	*	*	*	*	*	*	*
1-4	19	82	91	86	110	121	91	114	94	126	117	121	122	134	132
5-9	67	126	136	141	140	124	136	129	106	134	147	146	121	138	129
10-14	143	206	185	236	221	214	230	253	207	227	236	281	244	292	271
15-19	251	379	406	434	386	355	350	443	402	411	410	445	432	494	536
Male	248	494	490	540	549	478	465	541	459	537	551	581	540	627	625
Female	232	306	337	365	316	341	350	411	355	366	364	414	385	436	451
Unknown															
White	413	650	636	649	643	617	601	721	599	674	684	712	646	741	690
African American	60	126	154	201	173	153	170	192	168	162	179	209	184	206	205
Native American	*	*	*	15	*	*	11	*	16	11	*	12	*	24	
Asian	*	14	27	33	31	33	27	23	29	36	32	41	23	33	96
Other/unknown	*	*	*	*	*	*	*	*	12	15	*	23	60	74	61
†Hispanic					134	130	129	166	145	174	183	192	200	230	271
†Non-Hispanic					731	689	686	786	669	729	732	803	725	833	805
Deceased	280	446	467	429	389	347	360	444	356	363	375	454	443	546	670
Living	153	314	343	459	463	453	437	493	451	531	531	541	477	517	405
Unknown	47	40	17	17	13	19	18	15	*	*	*	.	*	.	*
1st transplant	413	655	679	774	750	722	696	832	716	816	802	884	832	959	964
2nd transplant	64	116	126	110	94	78	101	96	86	74	104	100	87	93	96
3rd transplant	*	25	19	13	16	17	17	22	11	12	*	*	*	*	14
4th transplant	.	*	*	*	*	*	*	*	*	*	*	*	*	*	*
5th transplant	.	*	*	.	.	*	.	.	.	.	.	.	.	*	.
Blood type A			299	318	305	287	259	336	319	351	328	344	327	372	367
Blood type B			98	126	86	100	106	122	98	100	94	129	118	130	146
Blood type AB			28	30	40	28	33	22	36	39	36	41	31	35	38
Blood type O			381	414	421	385	396	457	354	404	448	481	444	526	524
Unknown type			21	17	13	19	21	15	*	*	*	.	*	.	*
All	480	800	827	905	865	819	815	952	814	903	915	995	925	1,063	1,076

Age is calculated as of the day of transplant.  
Blood type is not available until 1988.



Table E.9  
**Counts of renal transplants, by donor type**  
*by age, gender, race, ethnicity, donor type, & number of transplants*

ALL	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<1	*	32	25	34	33	38	41	46	29	48	45	39	42	47	51
1-4	*	57	75	60	85	88	58	81	70	83	77	84	86	92	89
5-9	67	126	136	141	140	124	136	129	106	134	147	146	121	138	129
10-14	143	206	185	236	221	214	230	253	207	227	236	281	244	292	271
15-19	251	379	406	434	386	355	350	443	402	411	410	445	432	494	536
20-29	1,004	1,549	1,697	1,540	1,497	1,482	1,486	1,481	1,448	1,428	1,337	1,345	1,415	1,354	1,381
30-39	1,018	2,107	2,537	2,873	2,687	2,642	2,898	2,696	2,790	2,835	2,842	2,691	2,813	2,633	2,616
40-49	792	1,693	2,431	3,060	3,290	3,265	3,405	3,423	3,655	3,697	3,703	3,701	3,859	3,883	3,872
50-59	436	1,052	1,726	2,334	2,466	2,771	3,075	3,162	3,461	3,701	3,970	4,069	4,412	4,512	4,821
60-64	34	220	500	820	886	962	978	1,146	1,211	1,351	1,422	1,557	1,631	1,799	1,882
65-69	16	61	232	452	510	533	675	684	823	852	986	1,094	1,195	1,335	1,479
70-79	*	13	75	168	175	190	243	275	389	436	548	585	644	815	885
80+	*	*	*	*	*	*	*	*	11	*	*	17	26	42	39
0-19	480	800	827	905	865	819	815	952	814	903	915	995	925	1,063	1,076
20-44	2,438	4,549	5,577	5,928	5,763	5,715	6,085	5,854	5,986	5,999	5,919	5,775	5,998	5,812	5,771
45-64	846	2,072	3,314	4,699	5,063	5,407	5,757	6,054	6,579	7,013	7,355	7,588	8,132	8,369	8,801
65-74	18	69	295	597	668	689	874	919	1,155	1,193	1,414	1,553	1,719	1,967	2,158
75+	*	*	16	25	20	36	53	47	68	104	129	143	146	225	245
Male	2,350	4,666	5,996	7,382	7,365	7,557	8,012	8,223	8,635	9,005	9,325	9,597	10,106	10,492	11,071
Female	1,435	2,837	4,033	4,770	5,013	5,109	5,571	5,603	5,966	6,207	6,407	6,457	6,815	6,944	6,981
White	2,966	5,692	7,524	8,746	8,863	9,111	9,865	9,923	10,483	10,805	11,210	11,181	11,508	11,705	11,898
African American	703	1,570	2,044	2,831	2,886	2,883	2,988	3,103	3,264	3,496	3,613	3,789	3,943	4,177	4,353
Native American	17	72	91	122	135	127	121	171	153	161	155	157	183	174	245
Asian	37	130	329	427	466	507	558	571	621	666	691	755	831	871	1,155
†Hispanic					1,237	1,339	1,577	1,596	1,762	1,886	2,053	2,097	2,268	2,359	2,478
†Non-Hispanic					11,142	11,327	12,007	12,231	12,840	13,326	13,679	13,957	14,653	15,077	15,574
Diabetes	419	1,463	2,246	3,096	3,247	3,285	3,644	3,635	3,824	4,084	4,342	4,320	4,653	4,802	4,871
Hypertension	429	1,117	1,652	2,161	2,160	2,160	2,226	2,216	2,418	2,610	2,703	2,658	2,952	3,116	3,277
Glomerulonephritis	1,221	2,347	2,962	3,323	3,305	3,401	3,625	3,654	3,814	3,780	3,931	3,965	4,106	4,013	4,160
Other cause	1,716	2,576	3,169	3,574	3,667	3,820	4,089	4,322	4,546	4,738	4,756	5,111	5,210	5,505	5,744
Blood type A			3,829	4,622	4,813	4,905	5,129	5,278	5,568	5,811	5,974	5,933	6,266	6,551	6,704
Blood type B			1,121	1,431	1,405	1,521	1,668	1,765	1,774	1,849	1,946	1,982	2,165	2,222	2,355
Blood type AB			430	576	570	554	608	677	656	702	725	709	740	809	862
Blood type O			4,315	5,360	5,459	5,564	5,997	5,959	6,521	6,781	7,028	7,376	7,705	7,797	8,084
Unknown type			334	165	132	122	182	148	83	69	59	54	45	57	47
PRA < 10%			6,664	10,313	10,585	10,898	11,684	11,766	12,607	13,200	13,576	13,726	13,837	14,097	14,349
PRA ≥ 10%			1,611	1,555	1,513	1,526	1,560	1,656	1,734	1,818	1,960	2,108	2,787	3,006	3,420
Unknown PRA			1,754	286	281	242	340	405	261	194	196	220	297	333	283
All	3,785	7,503	10,029	12,154	12,379	12,666	13,584	13,827	14,602	15,212	15,732	16,054	16,921	17,436	18,052

3,668 transplant events (1.2%) were dropped from the donor type-specific tables above due to unknown donor type.  
 Age is calculated as of the day of transplant.  
 Donor relationship, blood type, & PRA are not available until 1988.

on our website & CD  
 Renal transplants, by gender, race & age (E.9.1); by year, age, & donor type (E.9.2); by donor type, race, & age, & recipient gender & age (E.9.3); by donor type, donor race, & recipient race (E.9.4); by donor type, gender, age, & race (E.9.5); by recipient blood type, year of transplantation, & race (E.9.6).



Table E.9 (continued)

**Counts of renal transplants, by donor type**

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

DECEASED DONOR															
	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<1	*	22	*	*	*	*	*	*	*	*	*	*	11	*	18
1-4	*	34	43	24	37	32	24	32	24	24	30	29	31	42	49
5-9	35	67	72	57	68	62	66	57	45	56	67	67	56	74	82
10-14	80	111	103	117	98	103	101	118	90	89	98	141	126	152	176
15-19	154	212	241	227	178	142	161	227	191	184	175	209	219	268	345
20-29	597	963	1,149	960	857	826	782	741	739	649	638	575	614	617	631
30-39	690	1,413	1,943	1,985	1,821	1,742	1,841	1,734	1,694	1,671	1,677	1,510	1,643	1,553	1,559
40-49	600	1,180	2,018	2,288	2,387	2,378	2,383	2,289	2,269	2,261	2,262	2,221	2,394	2,413	2,447
50-59	366	734	1,500	1,788	1,870	2,033	2,190	2,193	2,270	2,386	2,520	2,554	2,770	2,876	3,213
60-64	30	155	452	648	702	718	720	836	826	871	948	1,035	1,086	1,231	1,307
65-69	13	40	205	370	406	416	526	520	587	593	641	742	798	937	1,074
70-79	*	*	64	139	147	157	195	214	285	314	372	424	465	607	643
80+	.	*	*	*	*	*	*	*	*	*	*	15	19	31	31
0-19	280	446	467	429	389	347	360	444	356	363	375	454	443	546	670
20-44	1,601	3,013	4,179	4,055	3,819	3,704	3,800	3,600	3,497	3,378	3,342	3,086	3,323	3,304	3,274
45-64	682	1,432	2,883	3,614	3,818	3,993	4,116	4,193	4,301	4,460	4,703	4,809	5,184	5,386	5,883
65-74	15	44	262	493	538	544	686	698	831	835	923	1,070	1,178	1,408	1,568
75+	.	*	*	18	18	31	43	41	48	77	97	111	104	167	180
Male	1,634	3,121	4,740	5,344	5,170	5,199	5,402	5,390	5,418	5,455	5,639	5,820	6,153	6,557	7,082
Female	945	1,820	3,060	3,263	3,411	3,420	3,602	3,586	3,615	3,658	3,801	3,710	4,079	4,254	4,494
White	1,953	3,612	5,649	5,979	5,870	5,870	6,179	6,101	6,050	6,002	6,182	6,053	6,387	6,658	6,998
African American	540	1,182	1,786	2,226	2,243	2,274	2,313	2,328	2,451	2,566	2,678	2,782	2,907	3,161	3,418
Native American	11	35	67	77	98	77	85	116	109	87	102	101	131	125	161
Asian	25	84	272	316	356	384	406	407	398	422	448	510	587	608	735
†Hispanic					788	829	1,001	992	1,044	1,144	1,251	1,271	1,420	1,518	1,635
†Non-Hispanic					7,794	7,790	8,004	7,985	7,989	7,969	8,189	8,259	8,812	9,293	9,941
Diabetes	291	955	1,759	2,389	2,437	2,477	2,654	2,644	2,640	2,724	2,902	2,929	3,156	3,362	3,433
Hypertension	306	781	1,425	1,654	1,641	1,636	1,626	1,579	1,642	1,810	1,802	1,785	1,977	2,163	2,360
Glomerulonephritis	794	1,515	2,211	2,214	2,133	2,114	2,244	2,219	2,247	2,106	2,200	2,145	2,336	2,294	2,462
Other cause	1,188	1,690	2,405	2,352	2,371	2,392	2,481	2,535	2,504	2,473	2,536	2,671	2,763	2,992	3,321
Blood type A			3,046	3,277	3,414	3,322	3,457	3,444	3,498	3,522	3,643	3,503	3,754	4,021	4,220
Blood type B			868	1,012	923	1,026	1,109	1,146	1,079	1,097	1,138	1,118	1,333	1,367	1,514
Blood type AB			344	440	459	418	421	509	450	485	491	470	485	571	621
Blood type O			3,367	3,865	3,770	3,844	4,001	3,860	4,000	4,005	4,165	4,438	4,659	4,852	5,220
Unknown type			175	15	16	*	17	18	*	*	*	*	*	.	*
PRA < 10%			5,695	7,404	7,340	7,418	7,821	7,641	7,695	7,811	8,023	7,993	8,210	8,693	9,098
PRA ≥ 10%			1,463	1,177	1,199	1,177	1,152	1,266	1,279	1,265	1,355	1,465	1,927	2,022	2,378
Unknown PRA			642	28	43	24	32	70	59	37	62	72	95	96	100
All	2,579	4,941	7,800	8,609	8,582	8,619	9,005	8,977	9,033	9,113	9,440	9,530	10,232	10,811	11,576



Table E.9 (continued)

**Counts of renal transplants, by donor type**

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

LIVING DISTANT/UNRELATED DONOR															
	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<1	*	*	16	30	25	28	33	35	23	38	40	31	31	37	33
1-4	*	21	31	36	48	54	32	49	44	59	47	55	55	50	40
5-9	25	51	60	82	71	60	68	70	60	76	79	79	65	64	47
10-14	49	85	80	115	119	103	127	129	115	134	137	140	116	140	94
15-19	71	147	156	196	200	208	177	210	209	224	228	236	210	226	191
20-29	312	535	529	559	622	638	680	724	695	768	693	768	796	730	745
30-39	247	631	561	847	844	880	1,018	937	1,076	1,154	1,154	1,165	1,161	1,070	1,048
40-49	152	465	384	738	870	863	989	1,100	1,370	1,417	1,429	1,462	1,455	1,451	1,414
50-59	46	300	212	530	576	728	854	946	1,176	1,310	1,438	1,504	1,637	1,622	1,601
60-64	.	62	39	154	181	227	251	303	382	477	472	521	543	566	570
65-69	*	13	22	81	101	113	145	160	235	256	342	350	393	396	401
70-79	.	*	*	27	25	33	47	58	103	121	175	160	176	208	239
80+	*	.	*	.	.	.	.	*	*	*	*	*	*	*	*
0-19	153	314	343	459	463	453	437	493	451	531	531	541	477	517	405
20-44	643	1,390	1,326	1,788	1,887	1,961	2,207	2,198	2,443	2,595	2,551	2,666	2,653	2,481	2,477
45-64	114	603	399	1,040	1,206	1,375	1,585	1,812	2,256	2,531	2,635	2,754	2,939	2,958	2,901
65-74	*	15	25	102	124	141	183	214	323	354	487	480	534	557	585
75+	*	*	*	*	*	*	*	*	19	27	32	32	41	56	63
Male	541	1,406	1,182	1,946	2,120	2,290	2,518	2,765	3,169	3,513	3,656	3,749	3,928	3,902	3,961
Female	372	920	914	1,449	1,562	1,645	1,903	1,958	2,322	2,525	2,580	2,724	2,717	2,667	2,470
White	790	1,914	1,776	2,673	2,921	3,169	3,570	3,732	4,379	4,756	4,986	5,099	5,087	5,011	4,865
African American	102	326	230	557	611	580	639	746	792	922	925	986	1,027	1,001	926
Native American	*	36	24	44	36	48	35	54	44	74	53	56	52	49	84
Asian	*	41	53	107	103	117	149	159	221	240	239	244	243	259	419
†Hispanic					437	497	558	580	710	738	795	819	841	835	833
†Non-Hispanic					3,245	3,438	3,863	4,143	4,782	5,300	5,441	5,654	5,804	5,734	5,598
Diabetes	107	472	459	677	786	781	952	966	1,165	1,342	1,421	1,369	1,484	1,417	1,420
Hypertension	82	294	197	471	494	502	576	609	766	791	891	857	965	947	912
Glomerulonephritis	321	752	715	1,063	1,135	1,258	1,331	1,397	1,547	1,664	1,722	1,814	1,762	1,705	1,688
Other cause	403	808	725	1,184	1,267	1,394	1,562	1,751	2,014	2,241	2,202	2,433	2,434	2,500	2,411
Blood type A			783	1,345	1,399	1,583	1,672	1,834	2,070	2,289	2,331	2,430	2,512	2,530	2,484
Blood type B			253	419	482	495	559	619	695	752	808	864	832	855	841
Blood type AB			86	136	111	136	187	168	206	217	234	239	255	238	241
Blood type O			948	1,495	1,689	1,720	1,996	2,099	2,521	2,776	2,863	2,938	3,046	2,945	2,864
Unknown type			26	.	*	*	*	*	.	*	.	*	.	*	*
PRA < 10%			969	2,909	3,245	3,480	3,863	4,125	4,908	5,384	5,543	5,724	5,622	5,396	5,248
PRA ≥ 10%			148	378	314	349	408	390	455	552	605	643	858	983	1,040
Unknown PRA			979	108	123	106	150	208	129	102	88	106	165	190	143
Related donor			1,773	2,791	2,840	2,998	3,157	3,286	3,616	3,882	3,849	3,853	3,830	3,696	3,509
Unrelated donor			136	596	796	891	1,208	1,408	1,874	2,149	2,387	2,616	2,815	2,871	2,919
All	913	2,326	2,096	3,395	3,682	3,935	4,421	4,723	5,492	6,038	6,236	6,473	6,645	6,569	6,431



Table E.10

**Counts of renal transplants: by donor type & number of transplants**

	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<b>ALL</b>															
1st transplant	3,351	6,345	8,662	10,628	10,912	11,171	11,930	12,227	12,868	13,440	13,882	14,173	14,874	15,386	15,918
2nd transplant	404	1,016	1,161	1,320	1,240	1,281	1,409	1,367	1,495	1,505	1,586	1,616	1,739	1,743	1,827
3rd transplant	30	126	181	170	195	191	209	198	206	226	225	232	258	265	263
4+ transplants	.	16	25	36	32	23	36	35	33	41	39	33	50	42	44
<b>DECEASED DONOR</b>															
1st transplant	2,255	4,065	6,635	7,460	7,499	7,503	7,840	7,858	7,827	7,964	8,272	8,409	8,910	9,514	10,161
2nd transplant	301	764	988	978	912	945	987	948	1,035	976	997	948	1,110	1,101	1,215
3rd transplant	23	97	155	140	146	150	152	147	144	146	145	151	179	170	176
4+ transplants	.	15	22	31	25	21	26	24	27	27	26	22	33	26	24
<b>ALL LIVING DONOR</b>															
1st transplant	856	2,108	1,945	3,092	3,366	3,619	4,023	4,319	4,999	5,436	5,589	5,748	5,954	5,855	5,747
2nd transplant	53	197	133	277	271	282	347	353	430	510	560	640	597	606	582
3rd transplant	*	20	16	23	41	32	43	41	57	78	75	74	77	93	83
4+ transplants	.	*	*	*	*	*	*	*	*	14	12	11	17	15	19
<b>LIVING RELATED</b>															
1st transplant			1,649	2,552	2,608	2,761	2,897	3,012	3,310	3,531	3,492	3,472	3,462	3,331	3,198
2nd transplant			109	216	198	209	225	237	266	297	307	340	315	312	253
3rd transplant			14	20	31	26	29	29	37	46	47	35	42	46	43
4+ transplants			*	*	*	*	*	*	*	*	*	*	11	*	15
<b>LIVING DISTANT/UNRELATED</b>															
1st transplant			126	533	714	815	1,078	1,281	1,687	1,898	2,097	2,272	2,492	2,522	2,546
2nd transplant			*	60	73	71	114	113	164	213	253	300	282	294	329
3rd transplant			.	*	*	*	14	12	20	32	28	39	35	47	40
4+ transplants			*	.	.	.	*	*	*	*	*	*	*	*	*

The maximum transplant number was 7.

3,668 transplant events (1.2%) were dropped from the donor type-specific tables above due to unknown donor type.

Donor relationship is not available until 1988.





Table E.11

**Renal transplant rates, by donor type**

by age, gender, race, ethnicity, & primary diagnosis, per 100 dialysis patient years

ALL	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<1	77.6	51.6	33.8	40.9	43.7	50.4	52.4	51.6	37.0	48.4	51.2	49.0	42.8	45.4	49.8
1-4	36.6	68.5	71.0	43.8	57.3	57.8	44.6	59.9	48.1	62.0	54.2	62.5	60.5	56.7	60.2
5-9	54.4	76.8	58.9	50.7	51.9	51.2	49.9	50.1	42.6	44.7	49.3	50.8	40.4	50.6	48.2
10-17	31.2	44.2	41.3	45.3	39.8	38.0	37.8	45.0	37.8	38.9	38.5	41.6	37.3	44.8	48.7
18-29	21.5	26.3	23.9	18.4	17.0	16.4	16.1	16.1	15.5	15.2	14.0	14.4	14.7	14.0	13.9
30-39	14.9	19.5	16.9	13.8	12.7	12.0	12.9	11.6	11.8	11.8	11.5	10.9	11.3	10.4	10.0
40-49	9.5	13.1	12.3	9.6	9.5	9.1	8.9	8.5	8.6	8.3	8.2	7.9	7.9	7.8	7.6
50-59	3.5	5.5	6.8	6.0	5.9	6.0	6.1	5.9	5.9	5.9	5.9	5.8	6.0	5.8	5.8
60-64	0.5	1.7	2.7	3.2	3.4	3.4	3.3	3.6	3.6	3.8	3.8	4.0	4.1	4.3	4.2
65-69	0.2	0.5	1.2	1.5	1.6	1.6	1.9	1.9	2.2	2.2	2.5	2.7	2.8	3.1	3.3
70-79	.	0.1	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.7	0.7	0.8	1.0	1.0
80+	0.2	0.1	0.1	.	.	.	0.1	.	.	.	.	.	0.1	0.1	0.1
0-17	35.0	50.7	46.0	45.8	43.4	42.4	41.1	47.3	39.3	42.2	42.1	44.9	39.7	46.5	49.6
18-44	16.0	20.3	17.8	13.8	12.8	12.2	12.5	11.7	11.7	11.4	11.1	10.8	10.9	10.4	10.1
45-64	3.7	5.4	6.2	5.7	5.8	5.8	5.7	5.6	5.7	5.8	5.7	5.6	5.7	5.6	5.6
65-74	0.2	0.3	0.8	1.0	1.0	1.0	1.2	1.2	1.5	1.5	1.8	1.9	2.0	2.3	2.4
75+	.	0.1	0.1	0.1	.	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3
Male	8.5	10.0	8.5	6.6	6.2	5.9	5.8	5.6	5.5	5.5	5.4	5.3	5.3	5.3	5.3
Female	6.2	6.9	6.1	4.6	4.6	4.4	4.5	4.3	4.3	4.3	4.3	4.1	4.2	4.2	4.1
White	8.6	10.1	9.1	7.1	6.8	6.6	6.7	6.4	6.4	6.2	6.2	5.9	5.8	5.7	5.5
African American	4.8	5.4	4.2	3.5	3.4	3.2	3.1	3.0	3.0	3.1	3.0	3.1	3.1	3.2	3.2
Native American	6.0	8.4	5.4	4.1	4.2	3.7	3.3	4.2	3.5	3.5	3.3	3.2	3.7	3.3	4.6
Asian	11.9	9.5	9.9	5.9	5.7	5.7	5.7	5.4	5.3	5.3	5.1	5.3	5.5	5.4	6.8
†Hispanic					5.3	5.0	5.3	4.9	4.7	4.7	4.7	4.5	4.5	4.5	4.4
†Non-Hispanic					5.4	5.2	5.2	5.0	5.0	5.0	4.9	4.8	4.9	4.8	4.8
Diabetes	9.3	9.0	6.1	4.3	4.0	3.7	3.7	3.4	3.3	3.3	3.4	3.2	3.3	3.2	3.1
Hypertension	5.2	5.1	4.1	3.3	3.2	3.1	3.0	2.8	2.9	3.0	3.0	2.8	3.0	3.1	3.1
Glomerulonephritis	11.3	12.6	11.7	9.9	9.4	9.3	9.5	9.3	9.5	9.2	9.4	9.4	9.6	9.3	9.6
Other cause	6.3	8.3	9.2	8.2	7.9	7.9	8.0	8.0	7.9	7.9	7.6	7.9	7.7	7.8	7.6
All	7.5	8.5	7.3	5.7	5.4	5.2	5.2	5.0	5.0	4.9	4.9	4.8	4.8	4.8	4.8

3,668 transplant events (1.2%) were dropped from the donor type-specific tables above due to unknown donor type.  
 Age is determined as of January 1 of each calendar year.  
 Donor relationship is not available until 1988.



Table E.11 (continued)

**Renal transplant rates, by donor type***by demographic characteristics, & primary diagnosis, per 100 dialysis patient-years*

<b>DECEASED DONOR</b>															
	<b>1980</b>	<b>1985</b>	<b>1990</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
<1	49.4	34.0	13.1	10.0	13.9	12.3	11.9	13.1	9.0	10.3	7.4	12.7	10.7	12.9	19.8
1-4	21.3	40.9	38.3	17.6	26.4	20.6	20.0	23.0	17.4	17.6	24.1	25.0	21.9	25.4	37.4
5-9	29.2	37.8	32.8	21.0	23.1	25.4	23.5	22.4	18.2	18.7	21.0	23.8	20.0	26.1	29.6
10-17	18.1	24.9	23.2	22.1	19.0	17.5	16.8	22.9	17.8	16.7	16.7	20.5	20.2	25.4	33.4
18-29	12.9	16.3	16.2	11.4	9.6	9.1	8.6	8.1	7.9	7.0	6.7	6.2	6.4	6.4	6.5
30-39	10.2	13.0	12.9	9.6	8.7	8.0	8.3	7.5	7.2	7.0	6.8	6.1	6.6	6.2	6.0
40-49	7.2	9.2	10.3	7.2	6.9	6.6	6.2	5.7	5.4	5.1	5.0	4.8	4.9	4.8	4.8
50-59	2.9	3.8	5.9	4.6	4.5	4.4	4.4	4.1	3.9	3.9	3.8	3.6	3.8	3.7	3.9
60-64	0.4	1.2	2.5	2.5	2.7	2.5	2.4	2.6	2.5	2.4	2.6	2.7	2.7	2.9	2.9
65-69	0.2	0.3	1.1	1.2	1.2	1.3	1.5	1.5	1.6	1.5	1.6	1.8	1.9	2.2	2.3
70-79	.	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.8
80+	.	0.1	.	.	.	.	.	.	.	.	.	.	.	0.1	0.1
0-17	20.0	28.3	25.3	20.7	20.0	18.7	17.8	22.2	17.2	16.7	17.3	20.8	19.6	24.6	32.2
18-44	10.6	13.3	13.3	9.5	8.4	7.8	7.8	7.2	6.8	6.4	6.3	5.8	6.0	5.9	5.7
45-64	2.9	3.7	5.4	4.4	4.4	4.3	4.1	3.9	3.7	3.7	3.7	3.6	3.7	3.6	3.8
65-74	0.2	0.2	0.7	0.8	0.8	0.8	1.0	1.0	1.1	1.1	1.2	1.3	1.4	1.6	1.7
75+	.	.	0.1	.	.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Male	5.9	6.7	6.7	4.8	4.3	4.1	3.9	3.7	3.5	3.3	3.3	3.2	3.2	3.3	3.4
Female	4.1	4.4	4.7	3.2	3.1	2.9	2.9	2.7	2.6	2.5	2.5	2.4	2.5	2.6	2.6
White	5.7	6.4	6.9	4.8	4.5	4.3	4.2	3.9	3.7	3.5	3.4	3.2	3.2	3.3	3.3
African American	3.7	4.1	3.7	2.8	2.6	2.5	2.4	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.5
Native American	3.9	4.1	4.0	2.6	3.0	2.2	2.3	2.9	2.5	1.9	2.2	2.1	2.6	2.4	3.0
Asian	8.1	6.2	8.2	4.3	4.4	4.3	4.2	3.8	3.4	3.4	3.3	3.6	3.9	3.8	4.3
†Hispanic					3.4	3.1	3.4	3.0	2.8	2.8	2.9	2.7	2.8	2.9	2.9
†Non-Hispanic					3.8	3.6	3.5	3.3	3.1	3.0	2.9	2.8	2.9	3.0	3.1
Diabetes	6.4	5.9	4.8	3.3	3.0	2.8	2.7	2.5	2.3	2.2	2.2	2.2	2.2	2.3	2.2
Hypertension	3.7	3.6	3.5	2.5	2.4	2.3	2.2	2.0	2.0	2.1	2.0	1.9	2.0	2.1	2.3
Glomerulonephritis	7.4	8.2	8.8	6.6	6.1	5.8	5.9	5.6	5.6	5.1	5.3	5.1	5.5	5.3	5.7
Other cause	4.4	5.4	7.0	5.4	5.1	5.0	4.9	4.7	4.4	4.1	4.1	4.1	4.1	4.2	4.4
All	5.1	5.6	5.7	4.0	3.7	3.5	3.4	3.2	3.1	3.0	2.9	2.8	2.9	3.0	3.0



Table E.11 (continued)

**Renal transplant rates, by donor type**

by demographic characteristics, & primary diagnosis, per 100 dialysis patient-years

ALL LIVING DONORS															
	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<1	28.2	17.7	20.7	30.9	29.8	36.0	39.5	37.5	27.9	38.1	43.7	36.4	32.1	32.5	30.0
1-4	15.2	23.2	31.8	26.1	30.9	35.8	23.8	36.9	29.2	44.4	30.1	37.5	38.6	31.2	22.8
5-9	19.0	33.9	24.4	28.7	28.4	24.6	25.3	27.0	24.0	25.4	28.0	27.0	20.0	24.4	18.6
10-17	9.4	17.1	17.4	22.4	19.9	19.6	20.2	21.5	19.6	21.8	21.3	21.1	17.0	19.5	15.2
18-29	6.7	9.2	7.4	6.7	7.2	7.2	7.3	7.8	7.5	8.1	7.2	8.2	8.2	7.5	7.4
30-39	3.5	5.9	3.7	4.0	3.9	4.0	4.5	4.0	4.6	4.7	4.7	4.6	4.6	4.2	4.0
40-49	1.8	3.6	1.8	2.3	2.5	2.4	2.6	2.7	3.1	3.2	3.2	3.1	3.0	2.9	2.8
50-59	0.4	1.6	0.9	1.3	1.4	1.6	1.7	1.8	2.0	2.1	2.1	2.2	2.2	2.1	1.9
60-64	.	0.5	0.2	0.6	0.7	0.8	0.8	0.9	1.1	1.4	1.3	1.3	1.4	1.3	1.3
65-69	.	0.1	0.1	0.3	0.3	0.3	0.4	0.4	0.6	0.7	0.9	0.9	0.9	0.9	0.9
70-79	.	.	.	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3
80+	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
0-17	11.1	19.8	19.9	24.4	22.8	22.7	22.4	24.5	21.6	25.1	24.4	24.1	19.9	21.9	17.3
18-44	4.2	6.3	4.2	4.1	4.2	4.2	4.5	4.4	4.8	5.0	4.8	5.0	4.9	4.5	4.3
45-64	0.5	1.5	0.7	1.3	1.4	1.5	1.6	1.7	2.0	2.1	2.0	2.0	2.1	2.0	1.9
65-74	.	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.6	0.6	0.6	0.6	0.7
75+	.	.	.	.	.	.	.	.	.	.	.	.	0.1	0.1	0.1
Male	2.0	3.0	1.7	1.7	1.8	1.8	1.8	1.9	2.0	2.1	2.1	2.1	2.1	2.0	1.9
Female	1.6	2.2	1.4	1.4	1.4	1.4	1.5	1.5	1.7	1.8	1.7	1.8	1.7	1.6	1.4
White	2.3	3.4	2.2	2.2	2.2	2.3	2.4	2.4	2.7	2.7	2.7	2.7	2.6	2.4	2.3
African American	0.7	1.1	0.5	0.7	0.7	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7
Native American	1.8	4.2	1.4	1.5	1.1	1.4	0.9	1.3	1.0	1.6	1.1	1.2	1.0	0.9	1.6
Asian	1.9	3.0	1.6	1.5	1.3	1.3	1.5	1.5	1.9	1.9	1.8	1.7	1.6	1.6	2.5
†Hispanic					1.9	1.9	1.9	1.8	1.9	1.8	1.8	1.8	1.7	1.6	1.5
†Non-Hispanic					1.6	1.6	1.7	1.7	1.9	2.0	1.9	1.9	1.9	1.8	1.7
Diabetes	2.4	2.9	1.3	0.9	1.0	0.9	1.0	0.9	1.0	1.1	1.1	1.0	1.0	1.0	0.9
Hypertension	1.0	1.4	0.5	0.7	0.7	0.7	0.8	0.8	0.9	0.9	1.0	0.9	1.0	0.9	0.9
Glomerulonephritis	3.0	4.0	2.8	3.2	3.2	3.4	3.5	3.6	3.8	4.1	4.1	4.3	4.1	4.0	3.9
Other cause	1.5	2.6	2.1	2.7	2.7	2.9	3.1	3.2	3.5	3.8	3.5	3.7	3.6	3.5	3.2
Related donor			1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.1	1.1	1.0	0.9
Unrelated donor			0.1	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.8
All	1.8	2.6	1.5	1.6	1.6	1.6	1.7	1.7	1.9	2.0	1.9	1.9	1.9	1.8	1.7



Table E.12

**Percent panel reactive antibodies (PRA), by donor type**

*by donor type; percent of transplant events within year*

<b>DECEASED DONOR</b>											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
<b>Peak PRA</b>											
<10%	69.6	70.6	72.4	72.0	72.4	73.8	74.0	73.9	65.9	65.6	70.3
10-19%	9.3	8.1	7.9	7.0	6.7	7.1	6.1	5.6	6.7	7.4	7.1
20-39%	7.1	7.2	6.2	6.0	5.7	5.0	5.1	5.1	6.5	6.3	6.1
40-59%	4.1	3.8	3.5	3.6	3.6	3.3	3.7	3.4	3.8	4.0	3.7
60%+	9.2	9.7	9.2	10.5	10.8	10.4	10.4	11.2	13.1	13.0	11.2
Missing	0.7	0.6	0.8	1.0	0.7	0.4	0.7	0.8	3.9	3.7	1.6
<b>Most recent PRA</b>											
<10%	85.5	86.0	86.8	85.0	85.1	85.5	84.8	83.7	80.1	80.4	83.5
10-19%	3.6	3.3	3.3	3.5	3.4	3.0	3.0	2.9	3.6	3.4	3.4
20-39%	3.8	3.7	3.4	3.5	3.4	3.3	3.2	3.7	4.3	3.8	3.7
40-59%	2.1	2.5	2.1	2.5	2.5	2.4	2.4	2.5	3.2	3.2	2.7
60%+	4.4	4.1	4.0	4.5	4.8	5.1	5.6	6.2	7.7	8.2	5.9
Missing	0.6	0.3	0.4	1.0	0.7	0.6	0.9	1.1	1.1	1.0	0.8
<b>LIVING DONOR</b>											
<b>Peak PRA</b>											
<10%	80.2	80.3	80.3	80.3	82.8	82.5	82.0	81.5	61.5	51.7	73.1
10-19%	5.2	5.4	4.8	5.2	5.0	5.1	5.0	4.5	4.8	5.8	5.1
20-39%	4.9	4.9	4.8	4.3	3.5	4.2	4.7	3.7	4.0	4.6	4.4
40-59%	2.4	2.2	2.1	2.1	2.0	2.1	2.2	2.3	3.1	2.8	2.4
60%+	3.7	3.8	3.3	3.4	4.1	4.1	4.3	5.5	5.5	7.2	4.9
Missing	3.7	3.4	4.7	4.7	2.5	1.9	1.8	2.5	21.1	27.9	10.0
<b>Most recent PRA</b>											
<10%	88.1	88.4	87.3	87.2	89.1	88.8	88.3	87.8	84.2	82.1	86.4
10-19%	2.6	3.2	3.1	2.8	2.6	2.9	3.0	2.5	3.6	4.1	3.2
20-39%	2.9	2.9	2.9	2.4	2.1	2.7	2.8	2.3	3.1	3.5	2.9
40-59%	1.3	1.1	1.5	1.2	1.5	1.4	1.4	1.8	2.4	2.3	1.8
60%+	1.7	1.7	1.7	1.8	2.0	1.9	2.2	3.1	3.8	4.9	2.9
Missing	3.4	2.7	3.5	4.7	2.7	2.3	2.2	2.4	2.9	3.0	2.8

Table E.13

**Cytomegalovirus (CMV) antibody status, by donor type**

*by recipient & donor CMV status; percent of transplant events within year*

<b>DECEASED DONOR</b>												
Recipient CMV	Donor CMV	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Positive	Positive	35.0	35.7	36.5	36.3	37.1	36.9	36.6	38.9	38.7	40.1	39.4
	Negative	21.6	21.2	21.2	20.8	21.3	22.1	24.2	23.0	21.8	21.0	20.1
	Unknown	0.8	1.2	1.2	0.6	0.2	0.1	0.4	0.2	0.0	0.2	2.8
Negative	Positive	19.4	18.1	18.6	19.0	17.9	18.6	18.4	18.7	18.2	18.6	18.8
	Negative	14.1	14.4	13.6	13.2	13.8	14.3	13.7	13.0	11.8	11.3	11.5
	Unknown	0.6	0.6	0.7	0.3	0.1	0.0	0.1	0.1	0.0	0.1	1.2
Unknown	Positive	4.9	5.3	5.0	6.3	6.0	5.2	4.1	3.8	6.0	5.6	3.6
	Negative	3.4	3.3	2.9	3.4	3.6	2.8	2.5	2.3	3.4	3.1	2.2
	Unknown	0.2	0.3	0.3	0.0	0.1	0.0	.	0.0	.	0.0	0.2
<b>LIVING DONOR</b>												
Positive	Positive	28.7	31.6	29.2	29.6	29.4	33.4	33.3	34.0	31.5	31.3	32.7
	Negative	16.0	16.2	17.5	16.6	16.4	17.2	18.3	17.7	18.2	18.7	18.8
	Unknown	3.4	3.4	4.6	4.1	5.2	4.0	4.0	4.1	5.4	4.3	3.9
Negative	Positive	13.8	15.1	14.9	14.0	14.6	15.3	14.6	15.1	13.6	14.6	14.8
	Negative	24.9	22.7	22.7	21.7	21.5	21.2	22.2	22.2	20.2	22.2	22.0
	Unknown	3.1	2.2	3.3	3.9	3.2	3.1	3.0	2.3	3.1	2.4	2.9
Unknown	Positive	3.5	2.9	2.8	3.2	2.9	1.9	1.6	1.7	1.6	1.4	1.7
	Negative	3.5	2.9	2.7	3.3	2.8	1.6	1.4	1.2	2.0	1.7	1.4
	Unknown	3.1	3.1	2.3	3.7	4.0	2.3	1.6	1.8	4.4	3.5	1.7

E.12-13: 902 transplant events were excluded from the tables due to unknown donor type.



Table E.14

**Hepatitis C (HCVAb) antibody status, by donor type**

by recipient & donor HCVAb status; percent of transplant events within year

DECEASED DONOR												
Recipient HCVAb	Donor HCVAb	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Positive	Positive	1.4	1.3	1.4	1.5	1.5	1.5	1.7	1.9	1.9	1.5	1.2
	Negative	4.8	4.8	4.6	4.8	4.7	4.9	4.8	4.7	4.7	4.7	4.6
	Unknown	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Negative	Positive	0.5	0.6	0.6	0.5	0.6	0.3	0.5	0.2	0.2	0.4	0.3
	Negative	81.9	81.6	82.4	79.7	81.7	84.8	83.9	84.3	79.6	80.0	73.2
	Unknown	1.5	1.1	1.1	1.0	0.3	0.2	0.4	0.5	0.2	0.2	0.6
Unknown	Positive	0.2	0.1	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.4
	Negative	9.5	10.3	9.5	12.0	10.9	8.0	8.5	8.0	13.2	12.9	19.5
	Unknown	0.3	0.2	0.1	0.2	0.1	0.0	0.0	0.0	.	0.0	0.1
LIVING DONOR												
Positive	Positive	0.1	0.1	0.2	0.1	0.1	0.1	0.1	.	0.1	0.0	0.1
	Negative	2.9	3.1	2.9	2.7	2.8	2.9	2.6	2.7	2.5	2.6	2.1
	Unknown	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3
Negative	Positive	0.4	0.5	0.5	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.6
	Negative	81.9	83.3	83.3	80.9	80.6	85.1	85.7	85.8	78.1	81.1	76.0
	Unknown	4.6	3.3	4.3	5.1	6.5	5.4	4.7	4.3	7.0	6.7	5.9
Unknown	Positive	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	.	0.0	0.2
	Negative	6.4	6.0	5.7	6.7	6.0	3.2	2.9	2.0	3.9	3.4	9.1
	Unknown	3.4	3.4	2.9	3.8	3.4	2.5	3.2	4.4	7.6	5.4	5.9



Table E.15

**Cold ischemia time (hours): deceased donor transplants**

COUNTS	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
0-12	1,513	1,643	1,741	1,750	1,818	1,954	2,232	2,463	2,563	2,941	3,443
13-24	4,428	4,541	4,474	4,229	4,140	4,021	4,341	4,205	4,674	4,828	5,098
25-36	2,000	1,817	1,866	1,620	1,471	1,378	1,289	1,263	1,328	1,429	1,495
37+	333	258	275	225	205	206	201	179	159	218	291
Unknown	308	360	649	1,153	1,399	1,554	1,377	1,420	1,508	1,395	1,249
PERCENTAGES											
0-12	17.6	19.1	19.3	19.5	20.1	21.4	23.6	25.8	25.0	27.2	29.7
13-24	51.6	52.7	49.7	47.1	45.8	44.1	46.0	44.1	45.7	44.7	44.0
25-36	23.3	21.1	20.7	18.0	16.3	15.1	13.7	13.3	13.0	13.2	12.9
37+	3.9	3.0	3.1	2.5	2.3	2.3	2.1	1.9	1.6	2.0	2.5
Unknown	3.6	4.2	7.2	12.8	15.5	17.1	14.6	14.9	14.7	12.9	10.8

on our website & CD

Bayesian first renal transplant ratios: by state/territory (E.b).

E.14: 902 transplant events were excluded from the table due to unknown donor type.

