

G. TRANSPLANT OUTCOME

Patient survival probabilities and standard errors are estimated using the Kaplan-Meier method and Greenwood's formula for unadjusted probabilities and the Cox model for adjusted probabilities. The SAS LIFETEST and PHREG procedures are used. The probabilities are expressed as percentages varying from 0 to 100 (rather than as probabilities varying from 0 to 1). Residents of the 50 states, the District of Columbia, Puerto Rico, and the Territories are included in these tables. See Chapter XIII, Analytical Methods, for further details.

In tables G.1 through G.4, the counts of transplants differ slightly from those given in Section F because cases were excluded if the first service date is before 1977 or if there are data problems with age or sex. Transplant patients for whom the donor type is recorded as other or unknown are also excluded. In tables G.5 through G.52, the survival rates for the most recent year are preliminary as these rates require the use of data from 1997, which may not yet be complete. The standard population used for adjustment is the cohort of patients who received their first renal transplant during 1995.

Table G.1
Counts of First Renal Transplant (Cadaveric)
by Year of First Transplant (1977-1984)
by Age, Race, Sex, and Primary Disease Causing ESRD

	Year of Transplant							
	1977	1978	1979	1980	1981	1982	1983	1984
AGE								
0- 4	8	7	11	9	11	13	17	26
5- 9	6	16	23	18	30	27	24	34
10- 14	41	49	60	62	53	64	57	70
15- 19	85	115	114	109	114	113	137	143
20- 24	125	167	189	204	238	232	245	280
25- 29	160	212	228	272	268	339	380	415
30- 34	152	232	273	294	371	444	493	578
35- 39	152	238	252	267	321	394	519	596
40- 44	152	220	229	271	315	384	411	508
45- 49	134	191	232	256	252	334	375	444
50- 54	111	164	172	206	224	285	331	403
55- 59	58	101	103	113	126	152	218	272
60- 64	7	32	40	26	43	61	73	151
65 plus	2	8	4	15	12	9	27	36
RACE								
Black	288	362	395	487	536	704	793	923
White	859	1306	1437	1538	1677	2056	2403	2890
Other	46	84	98	97	165	91	111	143
SEX								
Male	749	1108	1214	1346	1531	1828	2089	2494
Female	444	644	716	776	847	1023	1218	1462
PRIMARY DIAGNOSIS								
Diabetes	77	127	155	200	281	416	520	701
Hypertension	107	197	185	247	292	427	512	594
Glomeruloneph.	315	478	511	538	625	820	908	1149
Cystic Kidney	46	72	100	105	132	189	228	317
Other Urologic	7	17	24	30	30	42	49	54
Other Cause	116	190	232	281	301	362	493	573
Unknown Cause	141	179	211	187	216	225	265	248
Missing Cause	384	492	512	534	501	370	332	320
TOTAL	1193	1752	1930	2122	2378	2851	3307	3956

Table G.2
 Counts of First Renal Transplant (Cadaveric)
 by Year of First Transplant (1985-1996)
 by Age, Race, Sex, and Primary Disease Causing ESRD

	Year of Transplant											
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE												
0- 4	31	28	37	34	31	40	29	34	31	34	28	37
5- 9	37	46	34	47	48	40	41	32	46	39	45	59
10- 14	76	81	87	79	73	65	68	59	59	84	90	78
15- 19	142	158	182	170	160	164	139	129	136	214	162	131
20- 24	310	343	285	294	283	312	305	278	281	240	270	228
25- 29	406	513	517	483	574	560	536	482	514	477	497	454
30- 34	560	764	663	695	662	703	725	720	760	731	719	662
35- 39	659	785	786	826	765	843	790	806	837	903	920	839
40- 44	571	718	794	777	845	899	923	898	964	970	950	971
45- 49	565	677	682	765	714	780	819	836	928	980	1045	1092
50- 54	431	589	629	639	608	699	682	719	815	866	878	908
55- 59	334	471	500	529	538	628	599	615	681	751	742	796
60- 64	182	253	292	382	352	418	477	459	552	533	601	656
65 plus	61	102	147	207	194	265	303	352	386	437	491	536
RACE												
Black	1049	1232	1260	1372	1330	1476	1475	1523	1617	1989	2037	2051
White	3146	4043	4063	4157	4123	4519	4544	4452	4912	4798	4977	4900
Other	170	253	312	398	394	421	417	444	461	472	424	496
SEX												
Male	2754	3495	3523	3584	3550	3891	3922	3860	4216	4454	4648	4539
Female	1611	2033	2112	2343	2297	2525	2514	2559	2774	2805	2790	2908
PRIMARY DIAGNOSIS												
Diabetes	894	1192	1221	1274	1400	1544	1635	1642	1991	2034	2099	2157
Hypertension	710	866	923	1020	963	1148	1126	1200	1255	1462	1403	1379
Glomeruloneph.	1175	1491	1519	1510	1503	1643	1617	1507	1532	1598	1655	1588
Cystic Kidney	346	464	541	554	513	586	540	606	631	561	636	638
Other Urologic	58	85	73	76	65	98	128	94	130	123	119	114
Other Cause	660	824	771	760	741	760	753	751	795	807	810	825
Unknown Cause	272	300	311	340	317	345	346	376	373	391	295	298
Missing Cause	250	306	276	393	345	292	291	243	283	283	421	448
TOTAL	4365	5528	5635	5927	5847	6416	6436	6419	6990	7259	7438	7447

Table G.3
Counts of First Renal Transplant (Living Related)
by Year of First Transplant (1977-1984)
by Age, Race, Sex, and Primary Disease Causing ESRD

	Year of Transplant							
	1977	1978	1979	1980	1981	1982	1983	1984
AGE								
0- 4	2	1	4	7	17	33	33	39
5- 9	7	12	20	27	22	40	29	42
10- 14	20	41	48	42	44	57	82	94
15- 19	32	67	105	69	110	140	140	130
20- 24	36	96	123	121	159	212	209	187
25- 29	49	104	147	162	182	258	265	239
30- 34	40	69	118	121	226	237	267	254
35- 39	21	45	89	89	115	175	172	174
40- 44	21	39	50	78	78	126	116	125
45- 49	16	37	45	52	70	93	95	97
50- 54	7	22	34	31	53	67	78	75
55- 59	7	10	14	12	23	48	42	38
60- 64	1	5	4	.	2	15	12	12
65 plus	2	1	1	4	2	1	4	3
RACE								
Black	22	51	94	76	99	176	186	185
White	220	470	660	703	920	1271	1311	1271
Other	19	28	48	36	84	55	47	53
SEX								
Male	145	317	494	473	670	937	947	935
Female	116	232	308	342	433	565	597	574
PRIMARY DIAGNOSIS								
Diabetes	13	47	57	92	146	277	283	308
Hypertension	19	34	62	55	89	150	146	140
Glomeruloneph.	66	150	233	259	355	488	530	484
Cystic Kidney	7	13	26	26	34	47	58	69
Other Urologic	1	9	15	13	25	37	40	27
Other Cause	44	86	130	112	174	209	270	297
Unknown Cause	26	59	85	86	110	129	109	118
Missing Cause	85	151	194	172	170	165	108	66
TOTAL	261	549	802	815	1103	1502	1544	1509

Table G.4
 Counts of First Renal Transplant (Living Related)
 by Year of First Transplant (1985-1996)
 by Age, Race, Sex, and Primary Disease Causing ESRD

	Year of Transplant											
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE												
0- 4	36	38	58	45	54	42	59	54	81	40	61	65
5- 9	49	38	52	30	49	59	78	59	58	54	72	62
10- 14	79	79	68	87	87	72	86	97	100	87	97	94
15- 19	130	137	130	127	117	146	137	122	149	175	172	167
20- 24	190	192	174	175	188	171	203	186	228	235	206	222
25- 29	268	263	256	261	254	293	289	279	312	319	285	316
30- 34	252	265	230	259	242	257	292	289	330	345	332	363
35- 39	197	212	195	209	229	232	268	291	297	335	381	350
40- 44	138	141	159	141	165	212	245	261	275	314	342	358
45- 49	122	108	122	109	133	135	187	218	231	274	318	411
50- 54	89	74	84	90	94	115	125	158	202	222	289	288
55- 59	50	61	68	54	73	86	100	138	143	172	199	234
60- 64	13	22	29	25	46	36	57	80	95	101	139	164
65 plus	6	6	13	8	6	26	23	49	47	57	97	123
RACE												
Black	195	181	174	206	203	207	290	313	386	514	532	575
White	1364	1396	1391	1329	1442	1572	1729	1824	1993	2044	2274	2435
Other	60	59	73	85	92	103	130	144	169	172	184	207
SEX												
Male	955	979	951	995	1012	1083	1233	1309	1503	1572	1735	1884
Female	664	657	687	625	725	799	916	972	1045	1158	1255	1333
PRIMARY DIAGNOSIS												
Diabetes	342	382	352	342	359	386	468	444	497	572	591	692
Hypertension	144	150	154	152	158	160	236	291	329	392	387	418
Glomeruloneph.	507	471	504	519	549	615	615	632	648	756	847	893
Cystic Kidney	65	71	72	66	75	96	114	130	133	141	193	210
Other Urologic	53	47	38	34	43	59	74	90	112	96	100	117
Other Cause	310	326	313	286	325	329	382	377	451	441	526	541
Unknown Cause	106	103	123	92	104	115	124	186	207	183	136	136
Missing Cause	92	86	82	129	124	122	136	131	171	149	210	210
TOTAL	1619	1636	1638	1620	1737	1882	2149	2281	2548	2730	2990	3217

Table G.5
90 Day Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0- 4	67.86	81.08	73.53	83.87	67.50	82.76	84.85	80.65	94.12	92.86	100.00
5- 9	67.39	76.47	78.72	81.25	70.00	85.00	87.50	80.43	92.31	91.11	93.22
10- 14	79.01	82.76	77.22	79.45	81.54	87.50	85.96	91.53	92.86	93.33	97.44
15- 19	84.81	84.62	79.41	84.38	83.85	85.19	89.76	87.50	89.72	95.06	92.37
20- 24	83.38	86.32	83.33	80.14	87.46	90.82	87.27	88.61	92.08	94.81	91.67
25- 29	82.07	83.95	82.40	86.41	85.89	88.60	88.17	89.49	89.52	91.13	94.71
30- 34	82.33	83.26	85.47	82.75	84.07	89.38	90.26	88.29	88.78	91.38	93.20
35- 39	81.02	82.70	83.54	85.88	86.12	87.58	89.30	89.01	91.13	93.59	94.04
40- 44	84.12	79.72	81.72	86.26	84.87	87.95	88.41	90.45	90.82	92.00	93.00
45- 49	80.21	82.26	83.40	84.87	84.98	87.64	87.19	88.58	90.51	90.81	91.94
50- 54	85.40	84.42	81.38	83.69	87.27	87.10	89.28	86.73	90.29	92.37	90.86
55- 59	80.47	82.00	82.61	83.09	83.92	84.45	86.62	86.93	87.22	88.81	90.83
60- 64	83.40	84.25	83.25	85.23	83.93	86.37	86.27	87.68	89.68	90.35	91.62
65 plus	82.35	78.23	74.15	79.38	83.02	84.49	86.08	84.72	88.56	86.33	87.66
RACE											
Black	79.95	83.17	81.71	83.08	84.62	85.40	87.26	87.57	90.25	91.90	90.93
White	82.59	82.25	82.33	84.41	84.98	87.87	88.28	88.00	89.66	90.92	92.43
Other	86.96	86.54	86.18	87.56	85.75	89.61	89.62	92.19	91.31	93.14	93.95
SEX											
Male	82.23	82.80	82.16	84.21	85.75	87.69	88.09	88.94	90.37	91.35	92.00
Female	82.14	82.53	82.89	84.50	83.71	86.98	88.19	87.02	89.23	91.25	92.29
PRIMARY DIAGNOSIS											
Diabetes	78.86	81.82	81.16	84.99	84.82	86.84	87.58	89.60	89.92	91.90	92.21
Hypertension	83.37	84.62	83.73	83.87	85.45	87.10	87.06	89.15	90.21	90.73	92.24
Glomeruloneph.	83.64	83.08	82.19	83.82	85.14	88.03	89.07	88.12	90.05	91.48	92.00
Cystic Kidney	84.05	83.55	84.81	83.82	84.98	88.15	89.90	85.42	89.30	93.55	92.95
Other Urologic	82.35	83.56	82.89	89.23	86.73	86.72	92.55	90.00	92.68	87.39	92.11
Other Cause	83.37	81.06	83.55	84.75	85.20	86.19	86.71	86.04	88.46	89.75	90.42
Unknown Cause	83.67	85.53	81.42	83.91	84.93	90.12	88.56	88.20	89.26	89.49	90.60
Missing Cause	77.45	77.54	79.64	84.35	81.16	87.29	88.89	85.51	92.93	91.69	94.63
Total Crude Prob.	82.20	82.70	82.45	84.32	84.95	87.41	88.13	88.18	89.93	91.31	92.12

Table G.6
Standard Errors for
90 Day Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0- 4	8.11	6.17	7.12	6.05	6.75	6.78	5.75	6.82	3.91	4.78	0.00
5- 9	6.40	6.97	5.70	5.40	6.80	5.43	5.60	5.56	4.17	4.14	3.20
10-14	4.33	3.89	4.45	4.57	4.63	3.98	4.34	3.56	2.77	2.58	1.77
15-19	2.78	2.61	2.95	2.79	2.80	2.95	2.60	2.77	2.03	1.69	2.29
20-24	1.96	1.99	2.12	2.29	1.83	1.62	1.96	1.85	1.72	1.34	1.80
25-29	1.64	1.57	1.68	1.40	1.43	1.34	1.44	1.32	1.37	1.26	1.04
30-34	1.34	1.41	1.30	1.42	1.34	1.12	1.09	1.14	1.15	1.03	0.97
35-39	1.35	1.30	1.25	1.23	1.16	1.15	1.07	1.06	0.93	0.80	0.81
40-44	1.33	1.38	1.34	1.15	1.16	1.05	1.05	0.93	0.91	0.87	0.81
45-49	1.48	1.42	1.31	1.31	1.25	1.13	1.13	1.02	0.92	0.88	0.81
50-54	1.42	1.41	1.49	1.45	1.23	1.25	1.13	1.16	0.99	0.88	0.94
55-59	1.77	1.67	1.60	1.57	1.43	1.44	1.34	1.26	1.19	1.14	1.01
60-64	2.28	2.08	1.85	1.84	1.75	1.53	1.57	1.37	1.30	1.19	1.06
65 plus	3.65	3.30	2.91	2.82	2.24	2.03	1.81	1.79	1.50	1.52	1.40
RACE											
Black	1.10	1.03	1.01	0.99	0.91	0.90	0.83	0.80	0.65	0.60	0.62
White	0.58	0.58	0.57	0.55	0.52	0.47	0.47	0.45	0.43	0.40	0.37
Other	2.07	1.89	1.69	1.63	1.66	1.46	1.42	1.23	1.28	1.21	1.06
SEX											
Male	0.63	0.62	0.62	0.60	0.55	0.51	0.51	0.47	0.44	0.41	0.40
Female	0.82	0.80	0.75	0.73	0.71	0.65	0.63	0.62	0.57	0.53	0.49
PRIMARY DIAGNOSIS											
Diabetes	1.14	1.07	1.06	0.93	0.89	0.82	0.80	0.67	0.66	0.59	0.57
Hypertension	1.23	1.16	1.12	1.15	1.01	0.98	0.95	0.86	0.77	0.76	0.71
Glomeruloneph.	0.93	0.93	0.95	0.92	0.85	0.79	0.79	0.81	0.74	0.68	0.67
Cystic Kidney	1.66	1.55	1.49	1.58	1.44	1.36	1.21	1.37	1.28	0.96	1.00
Other Urologic	4.00	4.22	4.18	3.76	3.28	2.90	2.65	2.56	2.31	2.98	2.47
Other Cause	1.26	1.37	1.31	1.28	1.25	1.23	1.21	1.20	1.10	1.05	1.01
Unknown Cause	2.07	1.95	2.03	2.00	1.88	1.57	1.60	1.63	1.54	1.76	1.66
Missing Cause	2.31	2.42	1.95	1.90	2.22	1.90	1.98	2.04	1.51	1.33	1.06
Total Crude Prob.	0.50	0.49	0.48	0.46	0.43	0.40	0.40	0.38	0.35	0.32	0.31

Table G.7
One Year Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0- 4	53.57	70.27	61.76	83.87	57.50	68.97	81.82	77.42	94.12	85.71	97.30
5- 9	58.70	58.82	70.21	79.17	57.50	82.50	87.50	78.26	84.62	91.11	91.53
10- 14	74.07	74.71	69.62	73.97	75.38	81.25	80.70	86.44	91.67	91.11	94.87
15- 19	73.42	74.73	71.18	73.13	77.64	80.00	83.46	82.35	82.71	83.95	86.26
20- 24	71.14	76.84	75.51	74.11	82.64	85.25	79.27	81.85	87.92	88.89	89.04
25- 29	74.66	76.98	76.81	82.06	80.71	82.24	83.82	84.05	84.07	88.10	90.97
30- 34	75.26	75.26	77.55	78.52	79.94	85.38	84.42	83.29	85.23	88.04	88.37
35- 39	72.87	75.45	76.15	81.05	81.49	82.89	83.83	83.87	86.25	88.70	90.58
40- 44	76.88	72.80	75.68	79.74	78.53	83.82	84.28	85.57	86.29	87.16	87.95
45- 49	72.82	74.49	77.39	78.01	80.36	83.72	84.31	83.30	85.41	86.70	88.09
50- 54	78.78	78.38	74.96	77.76	79.83	82.70	82.59	81.20	85.90	87.70	87.00
55- 59	73.25	74.40	76.94	76.58	78.50	80.10	79.93	81.35	79.76	84.50	86.81
60- 64	78.26	74.32	77.49	78.13	78.42	81.55	80.83	82.07	83.68	84.19	85.21
65 plus	76.47	70.07	66.83	73.71	73.58	78.55	82.10	74.35	80.55	81.02	81.68
RACE											
Black	68.34	73.25	71.43	73.46	77.64	79.50	80.56	80.27	83.51	86.15	86.39
White	76.26	75.07	76.70	79.75	79.61	83.43	83.50	82.95	84.80	86.62	88.24
Other	77.87	81.41	81.16	82.23	81.71	86.71	86.00	86.98	88.56	89.36	87.90
SEX											
Male	74.22	74.99	75.29	78.45	79.57	82.90	83.03	83.30	85.32	86.38	87.66
Female	75.16	75.05	76.53	78.54	78.87	82.50	82.90	81.54	83.70	87.09	87.79
PRIMARY DIAGNOSIS											
Diabetes	71.90	73.63	75.75	80.34	78.40	81.46	82.10	83.42	84.61	87.08	87.44
Hypertension	74.25	75.73	75.39	76.69	78.31	83.01	81.05	82.62	84.39	86.32	87.38
Glomeruloneph.	76.19	76.63	75.96	78.16	80.63	83.08	84.48	83.29	84.92	86.70	87.28
Cystic Kidney	78.23	77.63	78.84	77.78	80.55	84.81	86.09	81.62	85.20	88.84	88.71
Other Urologic	75.29	72.60	77.63	86.15	81.63	79.69	86.17	86.15	85.37	82.35	90.35
Other Cause	75.73	73.54	76.32	78.41	79.66	82.57	80.81	80.13	83.50	84.69	86.66
Unknown Cause	76.00	75.88	72.57	78.86	80.00	84.59	85.11	81.77	83.38	84.07	86.91
Missing Cause	67.65	68.48	73.28	76.81	75.34	82.82	83.54	81.63	89.40	88.84	91.95
Total Crude Prob.	74.57	75.01	75.78	78.49	79.30	82.74	82.98	82.60	84.69	86.65	87.71

Table G.8
Standard Errors for
One Year Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0- 4	8.83	7.26	7.94	6.05	7.29	8.22	6.27	7.24	3.91	6.49	2.63
5- 9	6.85	8.12	6.43	5.64	7.45	5.81	5.60	5.81	5.68	4.14	3.56
10-14	4.70	4.52	4.95	4.99	5.18	4.74	5.01	4.38	2.98	2.96	2.47
15-19	3.44	3.17	3.35	3.43	3.20	3.35	3.22	3.21	2.55	2.86	2.97
20-24	2.40	2.46	2.46	2.54	2.10	2.00	2.41	2.26	2.09	1.90	2.04
25-29	1.88	1.82	1.87	1.57	1.63	1.62	1.65	1.59	1.65	1.44	1.34
30-34	1.53	1.64	1.55	1.55	1.48	1.29	1.34	1.33	1.29	1.20	1.23
35-39	1.55	1.50	1.45	1.39	1.31	1.32	1.28	1.25	1.14	1.04	1.00
40-44	1.54	1.54	1.50	1.36	1.34	1.19	1.20	1.12	1.09	1.08	1.04
45-49	1.67	1.63	1.48	1.52	1.40	1.27	1.23	1.21	1.11	1.04	0.97
50-54	1.66	1.61	1.68	1.65	1.50	1.42	1.40	1.35	1.17	1.10	1.10
55-59	1.99	1.91	1.79	1.79	1.61	1.60	1.59	1.47	1.44	1.31	1.19
60-64	2.54	2.51	2.09	2.16	1.98	1.74	1.81	1.61	1.58	1.47	1.37
65 plus	4.09	3.69	3.17	3.08	2.65	2.32	2.01	2.18	1.87	1.75	1.65
RACE											
Black	1.30	1.22	1.19	1.18	1.06	1.03	1.00	0.97	0.82	0.76	0.75
White	0.66	0.66	0.64	0.61	0.59	0.54	0.55	0.53	0.51	0.48	0.46
Other	2.57	2.17	1.93	1.90	1.85	1.64	1.63	1.55	1.45	1.48	1.46
SEX											
Male	0.73	0.72	0.70	0.68	0.64	0.59	0.60	0.57	0.52	0.50	0.48
Female	0.94	0.92	0.86	0.84	0.79	0.74	0.73	0.72	0.69	0.63	0.60
PRIMARY DIAGNOSIS											
Diabetes	1.27	1.23	1.17	1.04	1.03	0.95	0.93	0.82	0.79	0.73	0.71
Hypertension	1.46	1.39	1.32	1.33	1.19	1.10	1.11	1.06	0.94	0.91	0.89
Glomeruloneph.	1.08	1.06	1.07	1.04	0.95	0.92	0.92	0.94	0.88	0.83	0.83
Cystic Kidney	1.88	1.75	1.71	1.80	1.60	1.52	1.39	1.51	1.48	1.24	1.24
Other Urologic	4.56	5.12	4.65	4.20	3.79	3.47	3.51	2.97	3.15	3.43	2.71
Other Cause	1.46	1.55	1.51	1.48	1.43	1.36	1.42	1.39	1.29	1.25	1.17
Unknown Cause	2.41	2.39	2.36	2.24	2.11	1.92	1.80	1.97	1.86	2.10	1.93
Missing Cause	2.61	2.72	2.17	2.23	2.47	2.17	2.35	2.26	1.82	1.52	1.28
Total Crude Prob.	0.57	0.57	0.54	0.53	0.50	0.46	0.46	0.45	0.42	0.39	0.38

Table G.9
Two Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
AGE											
0- 4	29.03	53.57	70.27	61.76	83.87	55.00	65.52	81.82	77.42	91.18	82.14
5- 9	70.27	50.00	47.06	63.83	75.00	57.50	77.50	87.50	76.09	84.62	86.67
10- 14	61.84	59.26	64.37	56.96	68.49	72.31	75.00	71.93	81.36	85.71	85.56
15- 19	60.56	64.56	67.03	62.35	65.63	71.43	71.85	75.59	74.26	72.43	78.40
20- 24	66.77	63.27	68.42	67.69	67.38	72.99	78.69	70.55	75.09	79.17	82.59
25- 29	69.70	68.62	67.70	68.53	75.96	73.93	77.01	77.59	78.60	80.29	83.27
30- 34	71.43	67.28	68.17	71.65	72.47	72.55	80.14	79.14	78.29	79.48	84.42
35- 39	63.58	66.11	65.90	68.89	73.99	76.87	79.09	78.36	78.85	82.15	84.67
40- 44	69.70	70.47	66.37	68.60	72.99	72.75	79.48	78.37	80.69	80.82	82.42
45- 49	67.26	67.80	68.77	70.20	72.41	75.74	78.09	79.04	77.59	80.00	82.97
50- 54	68.21	72.84	72.97	68.08	72.98	75.68	76.83	76.88	75.80	80.92	83.14
55- 59	64.37	68.15	66.20	71.46	69.70	74.36	76.25	73.90	76.95	74.43	80.19
60- 64	69.23	69.96	66.44	70.68	71.31	73.38	76.94	76.25	76.81	78.42	78.37
65 plus	52.46	71.57	66.67	60.49	68.56	70.19	73.93	75.57	69.43	73.23	74.29
RACE											
Black	57.01	58.44	61.59	59.77	63.61	68.22	71.28	70.98	71.12	76.17	79.27
White	70.18	70.47	68.96	71.24	74.85	75.47	79.53	79.02	78.80	80.17	82.78
Other	68.24	73.52	75.32	74.37	74.62	77.20	81.64	80.36	84.38	82.84	86.05
SEX											
Male	67.68	67.10	67.22	67.78	72.05	73.89	77.41	76.93	77.89	79.75	81.95
Female	65.67	69.36	68.42	70.34	72.62	73.96	78.35	77.60	76.63	78.45	82.11
PRIMARY DIAGNOSIS											
Diabetes	68.23	66.11	66.01	69.15	74.05	72.76	76.99	75.58	78.19	79.11	82.32
Hypertension	62.82	64.55	66.09	66.37	67.53	71.52	75.44	74.21	74.96	77.96	79.62
Glomeruloneph.	70.55	69.95	69.32	69.87	72.50	74.91	78.43	78.55	78.52	80.29	82.59
Cystic Kidney	66.76	73.49	74.12	74.32	74.27	78.16	81.11	82.78	79.40	80.39	85.69
Other Urologic	60.34	70.59	67.12	77.63	76.92	79.59	76.56	85.11	83.08	80.49	76.47
Other Cause	67.42	68.81	66.02	67.11	72.74	74.90	78.82	76.24	75.09	76.67	80.00
Unknown Cause	68.01	70.67	68.81	65.19	72.87	74.20	78.49	79.26	76.41	79.03	82.03
Missing Cause	56.40	60.46	61.96	66.67	71.88	70.55	78.35	77.37	77.03	85.87	85.99
Total Crude Prob.	66.94	67.93	67.67	68.79	72.27	73.92	77.77	77.20	77.39	79.25	82.01

Table G.10
Standard Errors for
Two Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
AGE											
0- 4	7.44	8.83	7.26	7.94	6.05	7.37	8.47	6.27	7.24	4.74	7.10
5- 9	7.26	7.02	8.22	6.79	6.05	7.45	6.41	5.60	6.03	5.68	4.95
10-14	5.44	5.31	5.01	5.41	5.31	5.39	5.29	5.77	4.98	3.77	3.67
15-19	4.02	3.74	3.43	3.62	3.69	3.49	3.79	3.75	3.70	3.02	3.21
20-24	2.63	2.56	2.72	2.69	2.73	2.48	2.32	2.71	2.55	2.60	2.29
25-29	2.24	2.01	2.03	2.07	1.76	1.83	1.79	1.88	1.79	1.80	1.66
30-34	1.88	1.67	1.78	1.69	1.70	1.65	1.47	1.50	1.48	1.48	1.34
35-39	1.84	1.66	1.66	1.58	1.56	1.43	1.43	1.44	1.40	1.27	1.18
40-44	1.89	1.68	1.65	1.63	1.51	1.46	1.31	1.36	1.26	1.25	1.23
45-49	1.94	1.76	1.74	1.63	1.65	1.51	1.43	1.39	1.35	1.27	1.15
50-54	2.20	1.81	1.74	1.81	1.77	1.60	1.59	1.56	1.48	1.32	1.25
55-59	2.54	2.11	2.08	1.93	1.95	1.71	1.71	1.75	1.59	1.57	1.45
60-64	3.36	2.83	2.73	2.29	2.37	2.13	1.90	1.96	1.77	1.76	1.67
65 plus	6.24	4.37	3.81	3.31	3.26	2.76	2.48	2.26	2.31	2.10	1.95
RACE											
Black	1.50	1.38	1.35	1.30	1.30	1.20	1.16	1.15	1.11	0.95	0.89
White	0.80	0.71	0.71	0.69	0.67	0.63	0.59	0.60	0.58	0.57	0.53
Other	3.47	2.74	2.41	2.16	2.17	2.01	1.88	1.87	1.68	1.72	1.67
SEX											
Male	0.88	0.78	0.78	0.77	0.74	0.69	0.66	0.67	0.63	0.60	0.56
Female	1.16	1.00	1.00	0.93	0.92	0.86	0.81	0.82	0.79	0.77	0.72
PRIMARY DIAGNOSIS											
Diabetes	1.53	1.34	1.33	1.27	1.15	1.12	1.03	1.05	0.92	0.89	0.83
Hypertension	1.79	1.60	1.54	1.46	1.49	1.31	1.27	1.25	1.21	1.08	1.07
Glomeruloneph.	1.30	1.17	1.16	1.16	1.13	1.05	1.01	1.05	1.04	0.99	0.92
Cystic Kidney	2.47	2.02	1.85	1.83	1.90	1.68	1.66	1.52	1.58	1.66	1.38
Other Urologic	6.17	4.84	5.40	4.65	5.15	3.95	3.66	3.62	3.23	3.54	3.83
Other Cause	1.79	1.59	1.68	1.68	1.61	1.55	1.47	1.54	1.51	1.47	1.39
Unknown Cause	2.77	2.58	2.59	2.53	2.45	2.32	2.19	2.06	2.17	2.04	2.21
Missing Cause	3.05	2.74	2.86	2.32	2.38	2.62	2.37	2.66	2.46	2.06	1.68
Total Crude Prob.	0.70	0.62	0.61	0.59	0.58	0.54	0.51	0.52	0.49	0.47	0.44

Table G.11
Three Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
AGE											
0- 4	42.31	22.58	50.00	59.46	58.82	80.65	50.00	65.52	81.82	77.42	91.18
5- 9	58.82	64.86	43.48	41.18	59.57	66.67	55.00	75.00	84.38	69.57	82.05
10- 14	57.14	50.00	48.15	62.07	49.37	64.38	63.08	71.88	68.42	72.88	77.38
15- 19	57.34	53.52	53.80	57.69	57.06	61.25	59.63	66.67	68.50	64.71	64.49
20- 24	56.43	60.32	58.02	62.46	61.90	59.93	64.95	72.46	64.00	67.26	75.42
25- 29	58.31	61.82	63.74	60.54	64.80	69.51	67.14	72.34	71.16	73.15	74.00
30- 34	55.19	64.64	61.13	60.94	65.32	66.57	67.99	75.72	74.55	72.89	75.92
35- 39	55.20	57.97	59.75	59.67	64.77	69.28	71.89	73.26	73.88	72.64	76.72
40- 44	55.12	63.57	64.07	60.08	62.93	66.59	68.19	74.27	72.46	76.32	76.19
45- 49	56.76	61.77	61.15	62.02	65.10	67.37	70.35	71.97	72.22	72.74	75.61
50- 54	57.07	61.95	65.20	67.41	63.69	68.04	69.96	71.55	73.12	71.62	75.49
55- 59	62.87	58.08	63.06	60.60	66.73	63.75	69.75	71.57	68.03	72.10	69.51
60- 64	54.30	62.09	66.01	60.96	66.23	65.91	67.87	71.49	71.68	69.75	72.23
65 plus	41.67	44.26	66.67	63.27	53.66	60.82	60.75	67.00	67.61	62.69	66.82
RACE											
Black	46.37	49.86	48.62	53.33	53.13	56.17	60.37	62.46	63.23	63.82	69.18
White	58.89	63.92	65.30	63.18	66.59	69.68	70.37	75.14	74.19	73.91	75.75
Other	70.63	62.35	67.59	69.87	70.85	69.04	72.68	78.74	75.85	78.96	78.39
SEX											
Male	55.29	60.82	60.43	61.11	62.51	66.33	68.33	71.66	71.48	71.89	74.54
Female	58.28	59.90	63.85	61.74	65.69	66.91	68.05	73.71	72.03	71.94	73.46
PRIMARY DIAGNOSIS											
Diabetes	51.07	60.51	60.07	58.56	64.29	67.98	67.51	72.09	68.94	72.11	73.80
Hypertension	55.72	56.62	57.51	58.40	59.51	60.25	63.85	68.86	66.78	68.82	71.80
Glomeruloneph.	58.22	64.34	63.51	63.73	65.83	67.91	69.12	73.09	73.35	72.32	74.53
Cystic Kidney	62.78	63.01	69.18	71.35	69.98	71.54	74.74	77.04	80.96	75.12	77.01
Other Urologic	62.96	60.34	62.35	61.64	65.79	73.85	74.49	72.66	77.66	78.46	75.61
Other Cause	57.77	60.45	62.26	58.24	62.89	67.34	69.62	73.46	71.95	70.44	71.96
Unknown Cause	59.68	61.40	66.00	62.70	58.11	64.35	68.99	73.26	73.94	72.65	74.94
Missing Cause	50.31	48.80	53.59	57.97	62.60	64.06	64.38	72.85	74.90	74.91	84.81
Total Crude Prob.	56.40	60.48	61.69	61.35	63.76	66.56	68.22	72.46	71.70	71.91	74.12

Table G.12
Standard Errors for
Three Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
AGE											
0- 4	8.93	6.79	8.89	7.81	8.06	6.59	7.47	8.47	6.27	7.24	4.74
5- 9	8.20	7.61	7.00	8.12	6.95	6.61	7.52	6.66	6.19	6.55	6.04
10-14	5.81	5.62	5.41	5.08	5.47	5.49	5.83	5.49	5.98	5.68	4.50
15-19	4.07	4.11	3.90	3.61	3.71	3.79	3.80	3.98	4.06	4.05	3.24
20-24	2.91	2.74	2.63	2.84	2.80	2.87	2.67	2.53	2.86	2.77	2.76
25-29	2.38	2.37	2.09	2.12	2.14	1.90	1.96	1.91	2.04	1.93	1.99
30-34	2.04	2.00	1.74	1.87	1.78	1.80	1.73	1.58	1.61	1.60	1.57
35-39	2.00	1.89	1.72	1.73	1.64	1.65	1.53	1.56	1.54	1.53	1.40
40-44	2.17	1.99	1.77	1.71	1.71	1.60	1.53	1.43	1.48	1.36	1.36
45-49	2.31	2.02	1.85	1.83	1.70	1.73	1.62	1.55	1.53	1.45	1.36
50-54	2.43	2.30	1.94	1.84	1.87	1.86	1.72	1.71	1.64	1.56	1.45
55-59	2.89	2.64	2.19	2.16	2.02	2.04	1.81	1.82	1.86	1.70	1.66
60-64	3.98	3.54	2.93	2.82	2.38	2.49	2.26	2.04	2.08	1.93	1.92
65 plus	7.90	6.20	4.58	3.90	3.40	3.44	2.95	2.67	2.47	2.43	2.23
RACE											
Black	1.61	1.52	1.40	1.39	1.33	1.34	1.26	1.25	1.22	1.18	1.03
White	0.90	0.84	0.74	0.75	0.72	0.71	0.67	0.63	0.65	0.62	0.61
Other	3.77	3.62	2.91	2.57	2.25	2.31	2.14	1.99	2.02	1.88	1.88
SEX											
Male	0.98	0.92	0.82	0.81	0.80	0.78	0.74	0.71	0.72	0.69	0.65
Female	1.27	1.20	1.05	1.04	0.97	0.97	0.92	0.87	0.88	0.84	0.83
PRIMARY DIAGNOSIS											
Diabetes	1.86	1.61	1.40	1.39	1.32	1.23	1.18	1.10	1.13	1.00	0.97
Hypertension	2.01	1.84	1.66	1.61	1.52	1.56	1.40	1.37	1.35	1.30	1.17
Glomeruloneph.	1.43	1.38	1.23	1.22	1.20	1.19	1.12	1.09	1.13	1.13	1.08
Cystic Kidney	2.67	2.54	2.11	1.91	1.93	1.96	1.77	1.79	1.58	1.70	1.76
Other Urologic	6.31	6.17	5.16	5.60	5.33	5.37	4.30	3.87	4.25	3.55	3.84
Other Cause	2.03	1.88	1.67	1.75	1.73	1.70	1.65	1.59	1.63	1.60	1.57
Unknown Cause	3.05	2.90	2.69	2.71	2.63	2.65	2.46	2.36	2.24	2.28	2.17
Missing Cause	2.74	3.09	2.80	2.92	2.39	2.55	2.76	2.57	2.76	2.54	2.12
Total Crude Prob.	0.78	0.73	0.65	0.64	0.62	0.61	0.57	0.55	0.56	0.53	0.51

Table G.13
Five Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
AGE											
0- 4	23.08	17.65	42.31	19.35	42.86	56.76	55.88	70.97	50.00	58.62	75.76
5- 9	29.63	45.83	50.00	62.16	36.96	35.29	57.45	58.33	52.50	57.50	78.13
10- 14	20.31	33.33	41.43	34.21	37.04	56.32	43.04	47.95	53.85	62.50	59.65
15- 19	31.86	46.72	46.15	38.73	40.51	47.80	45.29	47.50	48.45	54.07	55.12
20- 24	45.26	46.12	47.14	48.71	46.36	55.79	50.68	48.58	54.66	61.31	51.64
25- 29	43.07	45.79	48.19	49.51	52.63	51.45	54.45	58.89	59.29	63.36	61.83
30- 34	39.19	42.39	44.98	53.57	52.75	51.13	54.96	57.64	58.46	65.66	63.42
35- 39	38.32	39.50	45.30	48.86	50.45	50.00	54.60	59.48	60.97	63.37	63.81
40- 44	40.63	40.88	46.06	50.44	53.76	50.50	54.18	58.89	57.84	63.52	60.87
45- 49	38.02	39.47	46.17	50.27	52.44	53.37	56.08	60.92	60.98	62.42	60.72
50- 54	40.35	41.09	45.66	50.58	52.80	57.55	54.15	57.50	59.23	59.68	61.84
55- 59	33.55	36.70	53.31	51.80	53.72	48.60	56.52	53.72	57.64	58.70	56.77
60- 64	32.79	34.25	41.72	51.10	51.38	52.40	54.97	55.40	57.79	56.18	62.31
65 plus	11.11	29.63	33.33	34.43	52.94	49.66	43.90	52.58	47.92	51.49	52.84
RACE											
Black	30.40	31.78	34.78	37.65	36.36	40.56	41.76	43.01	47.22	48.47	49.11
White	41.54	44.11	49.20	53.40	55.48	54.64	57.28	61.23	60.85	64.90	63.80
Other	41.76	45.95	59.44	50.59	58.89	61.22	61.31	62.18	65.80	66.67	67.95
SEX											
Male	38.46	40.69	45.03	50.15	49.90	51.06	53.24	56.32	57.81	59.77	60.43
Female	39.39	42.12	48.22	48.42	53.91	53.17	55.06	58.42	58.38	63.56	60.85
PRIMARY DIAGNOSIS											
Diabetes	34.86	35.00	40.37	46.87	48.41	47.26	52.75	56.61	55.12	59.12	55.85
Hypertension	35.60	39.84	45.29	45.07	45.73	46.80	46.57	49.12	52.61	54.72	52.67
Glomeruloneph.	40.49	44.71	48.22	55.49	55.67	54.31	56.29	59.32	59.74	62.00	63.76
Cystic Kidney	46.56	51.32	55.52	57.23	62.50	64.88	62.93	65.11	67.58	70.56	73.84
Other Urologic	45.24	42.86	59.26	50.00	48.24	52.05	53.95	63.08	65.31	63.28	70.21
Other Cause	40.33	42.80	43.80	45.30	49.03	50.45	54.61	58.43	60.37	63.67	60.13
Unknown Cause	45.78	46.42	51.61	52.57	57.67	54.66	51.33	56.47	58.55	65.70	66.49
Missing Cause	32.70	29.82	42.19	40.40	42.16	50.72	56.49	57.10	56.85	64.60	67.90
Total Crude Prob.	38.79	41.22	46.21	49.51	51.37	51.85	53.96	57.15	58.03	61.25	60.60

Table G.14
Standard Errors for
Five Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
AGE											
0- 4	10.40	8.24	8.93	6.44	8.85	7.89	8.15	7.74	7.47	8.80	7.07
5- 9	8.38	9.53	8.34	7.74	6.84	7.88	7.01	6.94	7.56	7.64	7.09
10-14	4.86	6.07	5.78	5.33	5.24	5.21	5.43	5.73	6.05	5.94	6.33
15-19	4.29	4.19	4.11	4.03	3.85	3.66	3.75	3.90	3.88	4.22	4.36
20-24	3.21	3.13	2.94	2.80	2.66	2.91	2.88	2.94	2.79	2.77	2.98
25-29	2.64	2.52	2.42	2.45	2.18	2.18	2.24	2.04	2.05	2.06	2.20
30-34	2.27	2.19	2.04	2.09	1.79	1.92	1.87	1.90	1.84	1.75	1.78
35-39	2.40	2.11	2.01	1.92	1.76	1.76	1.71	1.76	1.66	1.70	1.68
40-44	2.46	2.39	2.18	2.07	1.84	1.75	1.77	1.68	1.63	1.57	1.62
45-49	2.62	2.49	2.33	2.08	1.90	1.89	1.78	1.81	1.73	1.68	1.68
50-54	2.85	2.66	2.45	2.38	2.04	1.95	1.95	1.98	1.84	1.86	1.80
55-59	3.76	3.19	2.99	2.68	2.27	2.21	2.13	2.13	1.95	1.99	1.98
60-64	5.77	5.39	3.94	3.66	3.11	2.89	2.52	2.62	2.39	2.25	2.24
65 plus	8.14	8.25	7.56	5.94	4.86	4.06	3.40	3.53	3.03	2.84	2.63
RACE											
Black	1.71	1.63	1.55	1.48	1.36	1.37	1.32	1.34	1.29	1.29	1.27
White	1.07	1.00	0.92	0.88	0.77	0.77	0.76	0.75	0.72	0.70	0.72
Other	5.01	4.62	4.06	3.76	3.06	2.73	2.42	2.42	2.29	2.30	2.20
SEX											
Male	1.12	1.06	0.99	0.94	0.84	0.83	0.82	0.83	0.79	0.78	0.78
Female	1.50	1.39	1.29	1.23	1.09	1.07	1.02	1.02	0.97	0.95	0.96
PRIMARY DIAGNOSIS											
Diabetes	2.29	2.05	1.83	1.65	1.43	1.41	1.38	1.31	1.26	1.21	1.22
Hypertension	2.28	2.13	2.02	1.85	1.68	1.63	1.55	1.60	1.46	1.47	1.43
Glomeruloneph.	1.69	1.63	1.46	1.43	1.27	1.27	1.26	1.25	1.20	1.20	1.23
Cystic Kidney	3.57	3.26	2.75	2.62	2.22	2.03	2.03	2.08	1.91	1.94	1.78
Other Urologic	7.38	6.91	6.44	6.36	5.33	5.76	5.62	5.91	4.71	4.20	4.67
Other Cause	2.54	2.19	2.05	1.92	1.72	1.78	1.79	1.79	1.76	1.74	1.78
Unknown Cause	3.25	3.00	3.12	2.99	2.82	2.80	2.68	2.75	2.63	2.54	2.41
Missing Cause	2.39	2.46	2.72	3.05	2.78	2.96	2.46	2.64	2.86	2.77	2.97
Total Crude Prob.	0.90	0.84	0.78	0.75	0.67	0.66	0.64	0.64	0.61	0.60	0.61

Table G.15
Ten Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
AGE											
0- 4	25.00	14.29	0.00	11.11	54.55	15.38	17.65	30.77	16.13	28.57	45.95
5- 9	0.00	25.00	17.39	22.22	13.33	25.93	29.17	23.53	40.54	26.09	20.59
10- 14	21.95	28.57	18.33	19.35	15.09	17.19	21.05	27.14	19.74	20.99	27.59
15- 19	11.76	17.39	33.33	26.61	38.60	15.93	32.85	32.17	22.54	29.11	35.16
20- 24	28.00	22.75	28.04	27.45	28.57	33.19	32.24	30.36	33.23	30.90	37.19
25- 29	30.00	25.00	25.88	30.15	29.48	30.38	32.89	29.64	34.48	33.92	34.24
30- 34	16.45	20.69	23.44	25.17	26.42	27.93	28.80	28.03	36.43	36.65	34.69
35- 39	21.71	22.69	23.02	23.97	23.68	24.11	25.24	27.85	30.65	31.85	32.32
40- 44	16.45	17.27	16.59	22.88	26.98	26.04	26.03	27.36	31.00	34.82	33.12
45- 49	12.69	18.85	20.69	19.92	19.84	20.36	24.27	25.68	31.15	33.83	33.72
50- 54	18.92	14.63	17.44	20.39	24.11	23.51	25.38	26.05	28.31	33.96	36.57
55- 59	15.52	14.85	14.56	12.39	15.87	17.11	20.18	29.41	22.16	27.81	29.00
60- 64	14.29	12.50	7.50	15.38	9.30	19.67	13.70	17.88	28.57	29.64	26.03
65 plus	0.00	0.00	0.00	0.00	0.00	11.11	14.81	11.11	14.75	24.51	25.85
RACE											
Black	11.11	11.33	11.90	13.14	15.49	17.33	17.15	17.01	18.11	19.16	20.48
White	22.93	22.21	24.22	26.59	27.67	27.33	29.84	30.38	34.14	36.31	36.18
Other	13.04	21.43	26.53	22.68	29.70	29.67	27.93	35.66	36.47	39.13	42.63
SEX											
Male	18.56	18.68	19.03	22.59	24.30	24.34	25.61	26.22	29.96	30.96	32.27
Female	21.62	22.05	26.54	24.61	26.45	26.00	28.65	29.55	31.10	35.46	34.28
PRIMARY DIAGNOSIS											
Diabetes	14.29	15.75	16.13	17.00	19.57	20.67	17.69	18.12	23.27	23.15	25.23
Hypertension	14.95	18.27	20.00	19.84	21.92	20.14	24.61	24.24	22.68	24.48	25.14
Glomeruloneph.	20.63	19.87	22.90	24.54	27.20	28.05	30.84	30.37	38.47	39.70	35.88
Cystic Kidney	26.09	19.44	22.00	33.33	31.82	31.22	38.60	42.27	37.28	47.84	48.80
Other Urologic	28.57	52.94	41.67	30.00	36.67	30.95	26.53	38.89	29.31	28.24	35.62
Other Cause	25.00	24.21	25.43	26.69	27.91	24.59	27.99	25.65	31.52	32.16	34.50
Unknown Cause	27.66	23.46	26.54	31.02	33.80	32.89	33.58	31.45	37.50	42.33	40.51
Missing Cause	15.89	17.68	18.55	19.29	19.36	20.00	17.47	26.88	19.60	27.78	34.06
Total Crude Prob.	19.70	19.92	21.81	23.33	25.06	24.94	26.73	27.45	30.38	32.62	33.03

Table G.16
Standard Errors for
Ten Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
AGE											
0- 4	13.17	10.22	0.00	8.14	14.08	8.62	8.24	8.44	6.00	8.09	7.92
5- 9	0.00	10.00	7.33	9.05	5.76	8.02	8.73	6.92	7.85	6.23	6.61
10-14	6.19	6.27	4.83	4.81	4.74	4.55	5.24	5.21	4.45	4.41	4.69
15-19	3.38	3.45	4.34	4.16	4.48	3.36	3.95	3.85	3.44	3.56	3.50
20-24	3.93	3.18	3.23	3.09	2.89	3.05	2.95	2.72	2.65	2.47	2.84
25-29	3.57	2.92	2.86	2.75	2.75	2.46	2.38	2.22	2.34	2.07	2.07
30-34	2.93	2.61	2.53	2.50	2.26	2.10	2.02	1.85	2.02	1.73	1.83
35-39	3.28	2.67	2.60	2.58	2.35	2.12	1.88	1.82	1.78	1.65	1.65
40-44	2.94	2.50	2.42	2.52	2.47	2.21	2.14	1.96	1.92	1.77	1.66
45-49	2.80	2.77	2.62	2.46	2.48	2.18	2.19	2.05	1.93	1.80	1.80
50-54	3.64	2.70	2.83	2.76	2.82	2.47	2.36	2.17	2.15	1.94	1.91
55-59	4.51	3.41	3.39	2.99	3.18	3.00	2.67	2.73	2.24	2.05	2.01
60-64	10.22	5.37	3.79	6.49	4.11	4.90	3.87	3.06	3.30	2.84	2.54
65 plus	0.00	0.00	0.00	0.00	0.00	8.14	6.31	4.85	4.39	4.18	3.56
RACE											
Black	1.82	1.64	1.61	1.51	1.54	1.41	1.32	1.22	1.18	1.11	1.13
White	1.42	1.14	1.12	1.12	1.08	0.97	0.92	0.85	0.84	0.75	0.75
Other	4.69	4.37	4.37	4.16	3.50	4.66	4.18	3.95	3.64	3.04	2.78
SEX											
Male	1.40	1.16	1.11	1.13	1.09	0.99	0.95	0.87	0.87	0.78	0.78
Female	1.93	1.61	1.63	1.53	1.50	1.36	1.28	1.18	1.14	1.05	1.03
PRIMARY DIAGNOSIS											
Diabetes	3.85	3.14	2.90	2.61	2.34	1.96	1.65	1.44	1.40	1.21	1.23
Hypertension	3.34	2.71	2.89	2.50	2.39	1.92	1.88	1.74	1.56	1.45	1.42
Glomeruloneph.	2.25	1.80	1.84	1.84	1.76	1.55	1.52	1.35	1.41	1.26	1.22
Cystic Kidney	6.21	4.53	4.04	4.53	3.99	3.33	3.18	2.75	2.57	2.30	2.13
Other Urologic	14.62	11.42	9.67	8.04	8.52	6.88	6.09	6.46	5.79	4.78	5.51
Other Cause	3.95	3.06	2.82	2.61	2.56	2.24	2.00	1.81	1.79	1.61	1.70
Unknown Cause	3.70	3.10	2.99	3.34	3.18	3.08	2.86	2.91	2.90	2.82	2.76
Missing Cause	1.84	1.69	1.70	1.69	1.74	2.05	2.05	2.45	2.47	2.53	2.82
Total Crude Prob.	1.14	0.94	0.93	0.91	0.88	0.80	0.76	0.70	0.69	0.63	0.62

Table G.17
90 Day Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0-19	79.18	82.91	78.48	83.30	79.36	85.58	88.57	86.82	92.54	94.20	94.79
20-44	82.91	82.77	83.48	85.17	85.66	88.96	89.23	89.53	90.60	92.55	93.63
45-64	81.60	82.92	82.46	84.25	85.24	86.59	87.58	87.68	89.65	90.86	91.53
65 plus	21.61	28.86	30.80	37.31	44.81	49.98	55.48	62.59	68.52	77.95	82.98
RACE											
Black	79.99	83.17	81.81	83.05	84.58	85.33	87.14	87.58	90.24	91.97	91.07
White	82.65	82.23	82.39	84.50	85.16	88.22	88.63	88.39	90.04	91.22	92.85
Other	86.60	85.91	85.90	87.22	85.38	89.43	89.54	92.20	91.04	93.21	94.10
SEX											
Male	82.28	82.92	82.39	84.47	85.93	88.07	88.46	89.28	90.66	91.77	92.42
Female	82.20	82.61	82.89	84.55	83.73	87.15	88.30	87.17	89.44	91.42	92.72
PRIMARY DIAGNOSIS											
Diabetes	77.98	81.39	81.02	84.49	84.66	86.72	87.54	89.90	90.23	92.21	92.90
Hypertension	85.57	86.51	85.54	86.00	86.95	88.63	87.61	90.20	90.92	92.45	93.67
Glomeruloneph.	83.39	82.74	81.82	83.92	85.12	88.09	89.18	88.07	90.20	91.57	91.99
Other Cause	82.34	81.76	82.32	84.16	84.22	87.14	88.22	85.96	89.67	91.16	92.27
Total Adjusted Prob.	82.27	82.70	82.51	84.46	85.06	87.68	88.38	88.43	90.20	91.60	92.54

Table G.18
Standard Errors for
90 Day Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0-19	2.21	2.00	2.16	2.04	2.23	2.08	1.92	1.99	1.32	1.27	1.26
20-44	0.65	0.66	0.65	0.62	0.59	0.53	0.54	0.52	0.50	0.45	0.43
45-64	0.86	0.81	0.77	0.76	0.69	0.66	0.63	0.59	0.54	0.50	0.47
65 plus	1.22	1.09	1.24	1.17	1.12	1.23	1.22	0.97	1.10	0.84	0.84
RACE											
Black	1.12	1.04	1.02	1.01	0.92	0.91	0.84	0.80	0.66	0.60	0.62
White	0.58	0.58	0.57	0.55	0.51	0.47	0.47	0.45	0.43	0.40	0.37
Other	2.15	1.97	1.74	1.67	1.71	1.49	1.44	1.24	1.32	1.22	1.06
SEX											
Male	0.63	0.62	0.62	0.59	0.54	0.50	0.50	0.47	0.43	0.40	0.40
Female	0.83	0.81	0.76	0.74	0.71	0.65	0.62	0.62	0.57	0.52	0.48
PRIMARY DIAGNOSIS											
Diabetes	1.20	1.10	1.07	0.96	0.90	0.83	0.81	0.67	0.65	0.59	0.56
Hypertension	1.16	1.10	1.09	1.10	0.99	0.94	0.98	0.86	0.79	0.75	0.74
Glomeruloneph.	0.96	0.96	0.97	0.93	0.86	0.79	0.78	0.81	0.73	0.67	0.68
Other Cause	0.84	0.86	0.82	0.81	0.79	0.73	0.71	0.74	0.65	0.59	0.55
Total Adjusted Prob.	0.50	0.49	0.48	0.46	0.43	0.40	0.39	0.37	0.34	0.32	0.31

Table G.19
One Year Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0-19	69.54	72.60	70.07	76.09	71.83	79.67	83.97	82.53	88.15	87.80	90.86
20-44	75.00	75.33	76.59	80.04	80.63	84.36	84.13	84.40	86.18	88.28	89.51
45-64	74.52	75.31	76.40	77.70	79.50	82.28	82.35	82.25	84.08	86.25	87.23
65 plus	21.61	28.86	30.80	37.31	44.81	49.98	55.48	62.59	68.52	77.95	82.98
RACE											
Black	68.37	73.23	71.57	73.41	77.58	79.40	80.39	80.28	83.50	86.27	86.58
White	76.31	75.03	76.76	79.86	79.84	83.90	83.97	83.47	85.33	87.04	88.87
Other	77.28	80.52	80.79	81.75	81.24	86.46	85.90	86.99	88.20	89.44	88.15
SEX											
Male	74.26	75.14	75.58	78.77	79.81	83.38	83.53	83.78	85.74	87.01	88.28
Female	75.16	75.15	76.52	78.60	78.89	82.71	83.05	81.73	84.01	87.33	88.43
PRIMARY DIAGNOSIS											
Diabetes	70.77	73.02	75.56	79.70	78.17	81.27	82.03	83.86	85.07	87.56	88.50
Hypertension	77.43	78.58	77.99	79.62	80.45	84.97	81.84	84.23	85.49	88.78	89.63
Glomeruloneph.	75.82	76.16	75.45	78.25	80.59	83.13	84.62	83.22	85.13	86.83	87.26
Other Cause	74.67	73.89	75.20	77.90	78.95	82.80	83.29	80.78	84.81	86.62	88.78
Total Adjusted Prob.	74.61	75.00	75.84	78.65	79.43	83.07	83.31	82.94	85.08	87.07	88.35

Table G.20
Standard Errors for
One Year Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0-19	2.55	2.40	2.45	2.38	2.51	2.41	2.26	2.26	1.69	1.83	1.65
20-44	0.76	0.77	0.75	0.70	0.67	0.62	0.64	0.62	0.60	0.56	0.55
45-64	0.98	0.93	0.87	0.87	0.79	0.74	0.73	0.69	0.65	0.60	0.57
65 plus	1.22	1.09	1.24	1.17	1.12	1.23	1.22	0.97	1.10	0.84	0.84
RACE											
Black	1.34	1.24	1.21	1.21	1.08	1.04	1.01	0.98	0.83	0.76	0.76
White	0.66	0.67	0.64	0.61	0.59	0.54	0.55	0.53	0.51	0.48	0.47
Other	2.68	2.27	1.99	1.95	1.90	1.67	1.65	1.57	1.49	1.51	1.47
SEX											
Male	0.73	0.72	0.70	0.67	0.63	0.58	0.59	0.56	0.52	0.50	0.49
Female	0.96	0.93	0.86	0.84	0.80	0.74	0.73	0.72	0.69	0.63	0.61
PRIMARY DIAGNOSIS											
Diabetes	1.33	1.26	1.19	1.08	1.05	0.96	0.95	0.83	0.80	0.74	0.73
Hypertension	1.44	1.37	1.35	1.34	1.21	1.09	1.19	1.11	1.03	0.96	1.04
Glomeruloneph.	1.12	1.09	1.10	1.06	0.96	0.92	0.92	0.94	0.89	0.83	0.84
Other Cause	0.97	0.98	0.93	0.93	0.89	0.83	0.82	0.84	0.77	0.71	0.67
Total Adjusted Prob.	0.58	0.57	0.55	0.53	0.50	0.46	0.46	0.45	0.42	0.39	0.38

Table G.21
Two Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
AGE											
0-19	58.50	59.91	64.66	61.61	70.39	67.58	73.00	78.16	77.14	81.55	82.80
20-44	68.16	68.02	67.25	69.41	73.50	74.30	79.69	78.28	79.25	81.11	83.90
45-64	66.58	68.59	68.69	69.65	71.79	75.05	77.19	76.90	77.05	78.88	81.84
65 plus	19.29	21.61	28.86	30.80	37.31	44.81	49.98	55.48	62.59	68.52	77.95
RACE											
Black	57.08	58.45	61.54	59.93	63.54	68.15	71.15	70.72	71.13	76.16	79.45
White	69.84	70.52	68.91	71.31	74.98	75.73	80.08	79.59	79.42	80.83	83.30
Other	67.74	72.81	74.13	73.91	73.96	76.61	81.25	80.17	84.38	82.29	86.13
SEX											
Male	67.75	67.08	67.33	68.07	72.38	74.16	77.99	77.55	78.47	80.30	82.75
Female	65.55	69.26	68.50	70.28	72.65	73.94	78.57	77.77	76.84	78.83	82.42
PRIMARY DIAGNOSIS											
Diabetes	66.99	64.79	65.24	68.91	73.21	72.48	76.74	75.46	78.74	79.70	82.94
Hypertension	67.70	68.51	69.75	69.65	71.29	74.15	78.12	75.22	77.15	79.44	83.11
Glomeruloneph.	70.14	69.46	68.69	69.18	72.53	74.83	78.46	78.70	78.41	80.51	82.75
Other Cause	64.96	68.40	67.65	68.08	72.64	74.71	78.45	78.71	76.52	79.48	83.02
Total Adjusted Prob.	66.81	67.91	67.61	68.80	72.43	74.05	78.15	77.60	77.79	79.74	82.54

Table G.22
Standard Errors for
Two Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
AGE											
0-19	2.88	2.74	2.58	2.63	2.57	2.63	2.68	2.59	2.53	2.14	2.15
20-44	0.92	0.83	0.84	0.82	0.78	0.75	0.70	0.73	0.70	0.68	0.64
45-64	1.22	1.05	1.01	0.95	0.95	0.85	0.82	0.82	0.76	0.73	0.67
65 plus	1.08	1.22	1.09	1.24	1.17	1.12	1.23	1.22	0.97	1.10	0.84
RACE											
Black	1.55	1.44	1.38	1.33	1.33	1.21	1.18	1.17	1.12	0.96	0.90
White	0.82	0.71	0.72	0.69	0.66	0.63	0.59	0.60	0.58	0.58	0.55
Other	3.58	2.86	2.53	2.24	2.22	2.07	1.93	1.90	1.70	1.78	1.72
SEX											
Male	0.89	0.79	0.78	0.77	0.74	0.69	0.66	0.67	0.63	0.60	0.57
Female	1.19	1.03	1.01	0.94	0.92	0.86	0.81	0.82	0.79	0.77	0.72
PRIMARY DIAGNOSIS											
Diabetes	1.59	1.41	1.36	1.29	1.19	1.14	1.05	1.07	0.93	0.91	0.86
Hypertension	1.84	1.66	1.60	1.56	1.57	1.38	1.32	1.38	1.34	1.24	1.24
Glomeruloneph.	1.36	1.22	1.20	1.19	1.16	1.06	1.02	1.05	1.04	0.99	0.93
Other Cause	1.21	1.05	1.05	1.02	1.01	0.96	0.91	0.91	0.91	0.87	0.79
Total Adjusted Prob.	0.71	0.63	0.62	0.59	0.58	0.54	0.51	0.52	0.50	0.47	0.45

Table G.23
Three Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
AGE											
0-19	55.51	50.41	50.29	57.30	56.15	65.61	58.42	69.29	73.46	69.52	75.48
20-44	55.61	61.59	62.00	60.58	64.22	67.46	68.91	74.52	72.94	73.71	76.38
45-64	56.32	60.34	62.13	62.62	64.86	66.44	69.70	71.72	71.49	71.98	73.80
65 plus	14.01	19.29	21.61	28.86	30.80	37.31	44.81	49.98	55.48	62.59	68.52
RACE											
Black	44.21	49.92	48.60	53.27	53.30	56.08	60.27	62.28	62.92	63.84	69.16
White	58.10	63.51	65.35	63.11	66.66	69.82	70.67	75.78	74.86	74.64	76.52
Other	69.47	61.73	66.70	68.48	70.34	68.24	71.99	78.28	75.56	78.96	77.68
SEX											
Male	54.79	60.76	60.34	61.17	62.74	66.61	68.60	72.30	72.16	72.54	75.18
Female	56.62	59.72	63.61	61.77	65.57	66.91	67.97	73.92	72.19	72.13	73.88
PRIMARY DIAGNOSIS											
Diabetes	47.67	59.02	58.57	57.66	64.01	66.94	67.18	71.77	68.75	72.74	74.49
Hypertension	61.69	61.89	61.85	62.52	63.17	64.51	66.93	72.06	67.97	71.38	73.59
Glomeruloneph.	58.10	63.79	62.87	62.96	65.01	67.85	68.98	73.08	73.47	72.13	74.75
Other Cause	56.95	58.79	62.36	62.01	62.96	66.98	69.73	73.32	74.92	72.30	75.68
Total Adjusted Prob.	55.50	60.25	61.57	61.21	63.71	66.66	68.33	72.85	72.12	72.34	74.70

Table G.24
Standard Errors for
Three Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
AGE											
0-19	2.99	2.94	2.81	2.69	2.70	2.70	2.80	2.80	2.80	2.80	2.47
20-44	1.02	0.97	0.87	0.88	0.86	0.83	0.80	0.76	0.79	0.76	0.75
45-64	1.47	1.28	1.11	1.06	0.99	1.00	0.91	0.88	0.88	0.82	0.79
65 plus	1.33	1.08	1.22	1.09	1.24	1.17	1.12	1.23	1.22	0.97	1.10
RACE											
Black	1.83	1.58	1.47	1.42	1.36	1.38	1.28	1.27	1.25	1.19	1.04
White	0.92	0.86	0.74	0.75	0.72	0.71	0.67	0.63	0.65	0.63	0.63
Other	3.97	3.75	3.04	2.69	2.34	2.36	2.21	2.04	2.06	1.92	1.94
SEX											
Male	1.01	0.94	0.83	0.82	0.80	0.79	0.74	0.71	0.72	0.70	0.66
Female	1.36	1.24	1.08	1.06	0.98	0.98	0.92	0.87	0.88	0.85	0.84
PRIMARY DIAGNOSIS											
Diabetes	2.04	1.67	1.46	1.42	1.34	1.27	1.20	1.12	1.17	1.03	1.00
Hypertension	2.16	1.95	1.78	1.73	1.69	1.72	1.53	1.49	1.55	1.50	1.42
Glomeruloneph.	1.52	1.44	1.29	1.26	1.23	1.22	1.14	1.10	1.14	1.14	1.10
Other Cause	1.31	1.25	1.10	1.10	1.06	1.07	1.02	0.99	0.97	0.97	0.93
Total Adjusted Prob.	0.81	0.75	0.66	0.65	0.62	0.61	0.58	0.55	0.56	0.54	0.52

Table G.25
Five Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
AGE											
0-19	27.26	38.47	44.47	38.17	39.11	49.64	47.92	52.48	50.23	57.40	63.10
20-44	39.37	41.14	45.58	50.05	51.92	51.09	54.02	57.93	58.92	64.29	62.07
45-64	34.25	36.02	45.10	49.80	50.97	52.57	54.83	57.16	59.01	59.57	60.31
65 plus	8.73	10.82	14.01	19.29	21.61	28.86	30.80	37.31	44.81	49.98	55.48
RACE											
Black	29.39	31.37	32.51	37.70	36.30	40.46	41.91	42.90	47.10	48.23	48.72
White	39.78	41.65	48.26	52.89	55.48	54.52	57.33	61.38	61.17	65.68	64.61
Other	33.00	40.47	57.73	49.77	57.74	59.49	60.67	61.24	64.95	65.86	67.45
SEX											
Male	36.64	38.71	44.31	49.85	49.61	50.92	53.34	56.44	58.02	60.35	61.08
Female	37.40	39.37	46.15	48.10	53.32	53.07	54.76	58.30	58.12	63.68	60.91
PRIMARY DIAGNOSIS											
Diabetes	30.15	32.36	36.64	45.05	46.60	46.21	52.38	55.21	54.66	58.49	55.46
Hypertension	38.15	42.61	51.65	50.75	50.38	51.34	50.69	53.85	56.09	58.67	54.05
Glomeruloneph.	39.07	42.56	47.94	54.74	54.81	53.31	55.13	59.02	59.43	61.81	63.73
Other Cause	39.05	40.11	46.76	47.79	51.24	54.37	55.27	58.99	60.91	64.69	65.77
Total Adjusted Prob.	36.84	39.07	45.02	49.07	51.00	51.54	53.74	57.09	58.04	61.55	60.96

Table G.26
Standard Errors for
Five Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
AGE											
0-19	3.07	3.24	3.00	2.87	2.75	2.73	2.73	2.88	2.86	3.02	3.10
20-44	1.19	1.11	1.03	1.00	0.90	0.90	0.90	0.88	0.85	0.84	0.87
45-64	1.86	1.66	1.49	1.32	1.15	1.10	1.04	1.06	0.98	0.97	0.96
65 plus	1.36	1.13	1.33	1.08	1.22	1.09	1.24	1.17	1.12	1.23	1.22
RACE											
Black	2.13	1.81	1.76	1.54	1.42	1.41	1.36	1.39	1.31	1.31	1.30
White	1.13	1.05	0.94	0.90	0.78	0.78	0.76	0.75	0.72	0.71	0.73
Other	5.56	5.29	4.30	3.91	3.21	2.85	2.52	2.48	2.36	2.37	2.26
SEX											
Male	1.21	1.12	1.02	0.97	0.85	0.84	0.83	0.83	0.79	0.79	0.79
Female	1.67	1.52	1.39	1.27	1.14	1.10	1.03	1.03	0.98	0.96	0.97
PRIMARY DIAGNOSIS											
Diabetes	2.60	2.24	1.99	1.70	1.50	1.44	1.41	1.36	1.28	1.24	1.26
Hypertension	2.83	2.44	2.30	2.07	1.89	1.85	1.83	1.87	1.68	1.73	1.74
Glomeruloneph.	1.87	1.79	1.56	1.51	1.34	1.31	1.29	1.30	1.21	1.21	1.25
Other Cause	1.48	1.37	1.33	1.28	1.14	1.14	1.09	1.12	1.09	1.08	1.07
Total Adjusted Prob.	0.98	0.90	0.82	0.77	0.68	0.67	0.65	0.65	0.61	0.61	0.61

Table G.27
Ten Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
AGE											
0-19	15.90	22.48	21.47	21.00	29.57	17.20	25.61	29.11	23.18	26.35	32.86
20-44	20.39	20.02	20.52	23.37	25.27	26.17	26.79	27.26	32.09	33.46	33.12
45-64	14.95	10.51	14.22	14.16	17.65	17.65	19.93	23.29	26.21	29.28	30.84
65 plus	2.91	2.82	5.35	5.05	8.69	8.73	10.82	14.01	19.29	21.61	28.86
RACE											
Black	12.58	9.99	10.05	8.77	14.53	16.47	16.78	15.08	18.07	19.02	20.35
White	19.71	19.12	20.60	23.49	25.24	25.55	27.13	29.14	33.41	36.04	35.88
Other	10.99	21.75	28.22	18.20	25.50	20.47	22.08	33.09	35.32	37.41	40.29
SEX											
Male	16.30	14.82	15.64	19.02	21.47	22.47	23.34	25.07	28.89	30.15	31.51
Female	16.92	19.77	23.48	21.17	24.42	23.84	25.71	26.73	30.54	34.07	33.65
PRIMARY DIAGNOSIS											
Diabetes	11.04	9.29	9.64	11.30	16.25	16.26	15.35	14.72	21.14	21.11	23.94
Hypertension	17.64	17.93	22.68	21.49	25.94	22.23	26.99	29.66	27.45	28.48	28.98
Glomeruloneph.	16.77	18.11	18.77	22.67	24.69	26.41	28.23	29.67	37.33	38.49	34.42
Other Cause	18.46	18.58	20.27	22.53	23.45	24.85	26.47	29.56	30.74	34.87	38.20
Total Adjusted Prob.	17.32	16.60	18.40	19.80	22.53	22.92	24.32	25.73	29.42	31.62	32.17

Table G.28
Standard Errors for
Ten Years Graft Survival Probabilities
for First Transplant (Cadaveric) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
AGE											
0-19	3.33	3.36	3.00	3.03	3.23	2.60	2.92	2.74	2.49	2.49	2.57
20-44	1.78	1.37	1.33	1.28	1.18	1.08	1.01	0.93	0.94	0.86	0.86
45-64	2.78	1.94	1.91	1.80	1.81	1.51	1.41	1.30	1.18	1.06	1.03
65 plus	1.16	0.94	1.18	1.09	1.32	1.36	1.13	1.33	1.08	1.22	1.09
RACE											
Black	2.52	2.44	2.16	1.59	1.87	1.76	1.47	1.36	1.24	1.17	1.16
White	1.68	1.27	1.24	1.23	1.17	1.02	0.96	0.87	0.86	0.76	0.75
Other	5.05	7.26	5.84	4.53	3.96	4.99	4.65	4.17	3.78	3.18	2.88
SEX											
Male	1.61	1.25	1.20	1.22	1.16	1.06	0.98	0.90	0.89	0.78	0.79
Female	2.58	2.04	2.05	1.78	1.75	1.49	1.38	1.26	1.19	1.10	1.05
PRIMARY DIAGNOSIS											
Diabetes	3.95	3.46	2.77	2.59	2.48	2.14	1.75	1.48	1.40	1.25	1.25
Hypertension	4.34	3.26	3.84	3.12	3.04	2.49	2.24	2.20	1.92	1.76	1.73
Glomeruloneph.	2.57	2.09	2.04	2.13	2.02	1.72	1.67	1.47	1.50	1.33	1.26
Other Cause	1.58	1.32	1.30	1.31	1.31	1.32	1.25	1.24	1.20	1.10	1.12
Total Adjusted Prob.	1.39	1.08	1.06	1.01	0.97	0.86	0.80	0.73	0.71	0.64	0.63

Table G.29
90 Day Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0- 4	94.74	81.03	75.56	92.59	78.05	89.66	83.33	85.00	92.50	95.08	89.23
5- 9	94.74	94.23	83.33	85.71	84.75	92.11	91.53	91.38	94.44	93.06	93.55
10- 14	92.41	97.06	91.95	91.95	90.14	95.24	95.88	98.00	98.85	95.88	96.81
15- 19	94.89	93.08	92.91	99.15	88.28	94.12	90.00	94.63	98.29	95.93	97.01
20- 24	94.79	91.95	92.00	90.96	95.91	98.51	93.01	95.18	95.32	93.69	96.85
25- 29	92.02	92.19	91.95	93.31	96.23	95.16	94.27	94.87	96.87	96.49	98.10
30- 34	96.23	94.35	90.73	92.98	92.61	94.18	93.77	96.36	94.78	96.99	96.42
35- 39	89.62	93.85	94.74	92.14	92.21	96.27	93.47	91.58	96.42	95.54	96.29
40- 44	92.20	91.82	91.49	92.12	92.89	93.44	95.02	94.18	94.59	94.44	96.09
45- 49	96.30	90.16	95.41	93.18	88.89	95.72	92.20	97.40	95.26	95.91	96.35
50- 54	93.24	86.90	92.22	94.68	91.30	92.00	90.38	94.55	95.95	94.46	95.49
55- 59	88.52	95.59	83.33	89.04	88.24	94.00	94.20	89.51	95.35	91.46	95.30
60- 64	95.45	79.31	92.00	86.96	97.22	89.47	93.75	91.58	89.11	91.37	95.73
65 plus	66.67	76.92	87.50	83.33	92.31	86.96	81.63	95.74	96.49	90.72	91.06
RACE											
Black	89.50	87.36	89.32	90.15	92.23	92.04	90.42	93.77	94.75	93.98	95.83
White	93.77	92.45	91.65	92.51	91.76	94.71	92.97	93.88	95.55	94.99	95.98
Other	93.22	93.15	94.12	97.83	95.15	97.69	96.53	98.22	98.26	95.11	96.62
SEX											
Male	93.16	91.59	90.55	92.00	92.31	94.63	93.04	94.27	95.93	94.58	96.50
Female	93.46	92.43	92.96	93.23	91.58	94.41	92.57	93.97	95.08	95.14	95.27
PRIMARY DIAGNOSIS											
Diabetes	91.88	90.06	92.69	92.76	92.23	92.95	89.84	93.96	94.41	93.91	96.10
Hypertension	94.00	93.51	88.82	89.24	90.00	94.07	94.16	93.92	94.13	94.57	97.13
Glomeruloneph.	95.75	92.86	91.52	92.34	92.94	96.22	93.67	94.60	95.90	95.40	96.19
Cystic Kidney	88.73	95.83	92.42	90.67	95.79	93.81	93.08	90.23	98.58	96.37	96.67
Other Urologic	97.87	92.11	94.12	97.67	93.22	98.65	97.78	92.79	98.96	92.00	94.87
Other Cause	91.72	89.14	90.21	92.31	91.19	92.63	91.76	93.35	96.15	94.87	94.45
Unknown Cause	89.32	95.12	92.39	94.23	91.30	95.97	94.02	95.65	93.44	92.65	95.59
Missing Cause	96.51	93.90	92.25	95.16	88.52	95.59	93.89	97.66	97.99	96.67	96.67
Total Crude Prob.	93.28	91.94	91.48	92.51	92.00	94.53	92.84	94.15	95.57	94.82	95.99

Table G.30
Standard Errors for
90 Day Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0- 4	3.57	4.73	6.02	3.48	6.02	3.85	4.91	3.87	4.08	2.75	3.73
5- 9	3.57	3.18	6.48	4.84	4.39	3.00	3.52	3.62	3.03	2.92	3.06
10-14	2.94	2.03	2.86	2.87	3.36	2.29	2.01	1.39	1.14	2.00	1.80
15-19	1.85	2.20	2.25	0.85	2.56	1.98	2.69	1.83	0.98	1.50	1.31
20-24	1.59	2.03	2.00	2.05	1.50	0.85	1.83	1.41	1.37	1.67	1.16
25-29	1.65	1.66	1.65	1.55	1.10	1.25	1.37	1.24	0.97	1.08	0.76
30-34	1.16	1.51	1.77	1.62	1.60	1.36	1.40	1.02	1.19	0.93	0.97
35-39	2.06	1.71	1.53	1.76	1.73	1.15	1.43	1.59	1.01	1.04	1.00
40-44	2.20	2.14	2.32	2.06	1.74	1.56	1.33	1.40	1.27	1.23	1.02
45-49	1.80	2.63	1.99	2.16	2.65	1.46	1.80	1.04	1.27	1.10	0.92
50-54	2.87	3.54	2.78	2.29	2.57	2.39	2.31	1.58	1.32	1.33	1.21
55-59	3.98	2.47	4.91	3.56	3.40	2.35	1.96	2.52	1.59	1.95	1.37
60-64	4.34	7.28	5.31	4.78	2.70	4.00	2.68	2.81	3.04	2.33	1.57
65 plus	17.36	11.18	10.94	13.89	5.12	6.76	5.39	2.91	2.39	2.90	2.54
RACE											
Black	2.23	2.46	2.11	2.06	1.83	1.56	1.64	1.21	0.98	1.02	0.83
White	0.64	0.70	0.75	0.68	0.68	0.53	0.59	0.53	0.45	0.45	0.40
Other	3.23	2.91	2.52	1.50	2.08	1.31	1.51	1.01	0.99	1.58	1.25
SEX											
Male	0.80	0.89	0.91	0.84	0.80	0.64	0.69	0.59	0.50	0.54	0.42
Female	0.96	0.99	1.01	0.92	0.96	0.75	0.83	0.73	0.63	0.60	0.58
PRIMARY DIAGNOSIS											
Diabetes	1.37	1.57	1.39	1.35	1.34	1.17	1.41	1.06	0.95	0.97	0.73
Hypertension	1.91	1.96	2.51	2.42	2.32	1.52	1.36	1.30	1.18	1.14	0.81
Glomeruloneph.	0.92	1.13	1.20	1.12	1.02	0.77	0.96	0.88	0.72	0.72	0.63
Cystic Kidney	3.69	2.33	3.19	3.32	2.03	2.23	2.20	2.52	0.99	1.34	1.23
Other Urologic	2.08	4.31	3.97	2.27	3.16	1.33	1.55	2.43	1.03	2.68	2.01
Other Cause	1.50	1.72	1.72	1.46	1.53	1.32	1.40	1.16	0.91	0.95	0.97
Unknown Cause	3.00	1.92	2.73	2.24	2.58	1.75	1.73	1.41	1.80	2.19	1.75
Missing Cause	1.97	2.61	2.32	1.90	2.80	1.75	2.07	1.15	1.14	1.23	1.23
Total Crude Prob.	0.61	0.66	0.68	0.62	0.61	0.49	0.53	0.46	0.39	0.40	0.34

Table G.31
One Year Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0- 4	89.47	79.31	71.11	90.74	75.61	89.66	81.48	82.50	92.50	95.08	86.15
5- 9	92.11	92.31	80.00	85.71	83.05	89.47	88.14	87.93	90.74	91.67	91.94
10-14	88.61	91.18	87.36	89.66	85.92	92.86	93.81	95.00	97.70	91.75	95.74
15-19	89.78	86.15	83.46	94.02	82.07	90.44	83.33	90.60	94.29	93.60	94.61
20-24	86.98	87.36	87.43	86.17	93.57	96.02	91.40	92.98	93.19	90.29	94.59
25-29	89.73	87.89	89.27	90.94	94.86	93.43	93.19	92.31	96.55	94.39	95.57
30-34	93.58	91.30	88.03	88.84	90.27	91.78	92.39	94.24	93.62	94.28	94.77
35-39	87.26	89.23	89.95	91.27	90.91	95.15	91.75	89.90	94.63	93.70	94.57
40-44	88.65	88.05	90.78	89.09	90.05	91.39	93.49	92.00	93.31	93.27	94.69
45-49	91.67	85.25	88.07	93.18	88.15	92.51	90.83	93.51	91.97	94.34	95.38
50-54	86.49	82.14	87.78	90.43	87.83	92.00	85.90	90.10	93.69	92.39	92.71
55-59	86.89	88.24	81.48	86.30	85.88	91.00	90.58	86.01	92.44	87.44	93.16
60-64	95.45	75.86	88.00	86.96	91.67	82.46	91.25	89.47	82.18	89.21	90.24
65 plus	66.67	69.23	75.00	66.67	88.46	82.61	75.51	85.11	92.98	86.60	88.62
RACE											
Black	82.87	82.76	83.01	84.73	87.86	88.24	85.94	89.87	91.44	90.98	93.04
White	90.40	87.99	87.74	90.08	89.34	92.56	91.04	91.07	93.79	92.83	94.09
Other	88.14	89.04	91.76	95.65	95.15	97.69	94.44	96.45	95.35	93.48	94.20
SEX											
Male	89.48	87.28	85.83	89.33	89.53	92.18	90.98	91.21	93.13	92.28	94.85
Female	89.50	87.77	89.76	90.33	89.45	92.43	89.99	91.29	93.87	92.91	92.57
PRIMARY DIAGNOSIS											
Diabetes	87.43	85.23	87.43	90.25	89.38	89.53	88.71	90.34	92.31	91.88	93.21
Hypertension	90.00	88.96	84.87	87.34	88.75	91.10	91.75	91.19	90.82	91.73	94.74
Glomeruloneph.	91.08	89.29	85.55	88.69	90.15	93.92	90.98	91.20	93.92	93.62	94.40
Cystic Kidney	85.92	93.06	92.42	89.33	95.79	91.15	90.77	88.72	95.74	95.34	95.71
Other Urologic	93.62	86.84	94.12	93.02	88.14	97.30	96.67	88.29	95.83	92.00	93.16
Other Cause	89.57	83.39	88.46	90.77	88.45	91.58	88.83	91.35	94.33	91.63	92.79
Unknown Cause	84.47	90.24	89.13	92.31	90.43	94.35	92.39	93.24	93.44	87.50	92.65
Missing Cause	95.35	90.24	89.15	90.32	85.25	94.85	90.08	95.32	95.97	94.76	94.76
Total Crude Prob.	89.49	87.48	87.35	89.75	89.49	92.29	90.56	91.24	93.44	92.54	93.91

Table G.32
Standard Errors for
One Year Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0- 4	4.87	4.93	6.41	3.86	6.29	3.85	5.13	4.14	4.08	2.75	4.18
5- 9	4.31	3.64	7.00	4.84	4.61	3.44	4.10	4.21	3.86	3.19	3.40
10-14	3.53	3.40	3.51	3.22	3.97	2.78	2.43	2.16	1.60	2.77	2.07
15-19	2.56	3.00	3.26	2.17	3.10	2.49	3.35	2.37	1.74	1.86	1.74
20-24	2.41	2.49	2.46	2.49	1.86	1.37	2.02	1.68	1.63	2.04	1.51
25-29	1.85	2.02	1.89	1.78	1.28	1.44	1.49	1.50	1.01	1.36	1.15
30-34	1.49	1.84	1.99	2.00	1.82	1.59	1.54	1.27	1.31	1.27	1.16
35-39	2.26	2.20	2.06	1.85	1.86	1.30	1.60	1.72	1.22	1.23	1.20
40-44	2.62	2.55	2.41	2.39	2.03	1.77	1.52	1.62	1.40	1.34	1.18
45-49	2.63	3.15	3.08	2.16	2.73	1.91	1.94	1.61	1.63	1.29	1.03
50-54	3.92	4.06	3.42	3.01	3.00	2.39	2.74	2.08	1.62	1.55	1.52
55-59	4.22	3.85	5.13	3.94	3.69	2.83	2.46	2.87	2.00	2.32	1.64
60-64	4.34	7.70	6.36	4.78	4.54	4.97	3.13	3.11	3.75	2.59	2.30
65 plus	17.36	12.21	14.24	17.36	6.14	7.64	6.00	5.12	3.32	3.41	2.83
RACE											
Black	2.76	2.81	2.58	2.49	2.25	1.87	1.94	1.52	1.23	1.23	1.05
White	0.78	0.86	0.89	0.78	0.77	0.63	0.66	0.63	0.53	0.54	0.48
Other	4.15	3.61	2.95	2.11	2.08	1.31	1.89	1.42	1.60	1.81	1.62
SEX											
Male	0.97	1.07	1.09	0.96	0.92	0.76	0.78	0.73	0.63	0.64	0.51
Female	1.19	1.24	1.20	1.09	1.07	0.87	0.95	0.86	0.70	0.72	0.71
PRIMARY DIAGNOSIS											
Diabetes	1.68	1.87	1.77	1.55	1.55	1.40	1.48	1.31	1.11	1.11	0.95
Hypertension	2.42	2.50	2.86	2.61	2.45	1.84	1.60	1.55	1.45	1.39	1.09
Glomeruloneph.	1.31	1.37	1.53	1.34	1.19	0.96	1.13	1.10	0.87	0.84	0.76
Cystic Kidney	4.07	2.96	3.19	3.52	2.03	2.64	2.52	2.70	1.69	1.51	1.39
Other Urologic	3.53	5.41	3.97	3.81	4.11	1.87	1.88	3.02	2.03	2.68	2.31
Other Cause	1.67	2.07	1.86	1.58	1.73	1.41	1.61	1.31	1.09	1.20	1.10
Unknown Cause	3.52	2.66	3.21	2.57	2.70	2.05	1.94	1.74	1.80	2.80	2.22
Missing Cause	2.26	3.25	2.70	2.63	3.13	1.88	2.59	1.61	1.60	1.53	1.53
Total Crude Prob.	0.75	0.81	0.82	0.72	0.70	0.57	0.61	0.56	0.47	0.48	0.42

Table G.33
Two Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
AGE											
0- 4	86.11	86.84	75.86	71.11	88.89	75.61	87.93	77.78	81.25	92.50	95.08
5- 9	81.63	89.47	86.54	73.33	81.63	81.36	88.16	88.14	82.76	88.89	87.50
10- 14	81.01	77.22	85.29	75.86	88.51	85.92	89.29	88.66	88.00	96.55	88.66
15- 19	86.92	81.75	81.54	79.53	88.03	75.17	86.03	76.67	86.58	89.14	89.53
20- 24	85.79	80.21	80.46	83.43	82.98	92.98	92.54	87.10	87.28	87.66	85.92
25- 29	87.69	86.31	80.47	83.91	86.22	91.78	89.62	88.89	90.38	94.04	91.23
30- 34	82.54	87.92	88.26	83.40	85.95	85.60	87.67	90.31	88.79	91.01	90.66
35- 39	83.25	83.96	85.64	85.65	88.65	87.88	90.67	88.66	85.52	91.04	90.29
40- 44	86.23	87.94	84.28	89.36	85.45	89.10	86.89	90.04	89.45	91.40	90.35
45- 49	82.79	86.11	77.87	85.32	91.67	83.70	87.70	88.53	91.77	86.50	91.82
50- 54	77.53	83.78	76.19	86.67	87.23	85.22	91.20	83.33	86.14	90.54	90.31
55- 59	80.00	81.97	85.29	77.78	83.56	81.18	90.00	86.96	81.82	87.21	82.91
60- 64	69.23	90.91	72.41	80.00	82.61	88.89	75.44	90.00	87.37	78.22	84.17
65 plus	16.67	66.67	53.85	75.00	66.67	84.62	82.61	73.47	80.85	89.47	80.41
RACE											
Black	67.69	71.27	72.41	76.70	79.31	80.58	81.31	79.55	83.38	85.21	86.47
White	86.14	86.39	83.39	83.82	87.16	87.04	89.31	88.24	87.81	90.95	89.67
Other	83.33	84.75	84.93	87.06	91.30	89.32	95.38	91.67	92.90	91.86	90.22
SEX											
Male	84.40	85.29	81.60	81.01	86.46	87.12	88.44	87.92	87.75	89.63	88.93
Female	82.98	83.71	83.26	86.40	86.46	85.55	88.82	86.38	87.08	90.33	89.40
PRIMARY DIAGNOSIS											
Diabetes	79.82	83.77	79.55	82.16	86.35	86.01	84.83	85.33	85.71	88.29	87.65
Hypertension	79.86	82.00	83.77	78.95	84.81	83.75	88.14	85.57	87.23	87.50	88.89
Glomeruloneph.	84.02	86.41	85.91	80.92	85.77	87.85	90.15	87.97	85.96	90.21	89.14
Cystic Kidney	81.54	84.51	86.11	89.39	86.67	93.68	87.61	88.46	88.72	90.07	91.19
Other Urologic	90.57	93.62	84.21	91.18	86.05	86.44	95.95	94.44	82.88	95.83	92.00
Other Cause	84.84	83.13	77.00	85.31	88.00	84.50	88.42	85.90	89.14	90.02	89.16
Unknown Cause	91.51	78.64	82.93	84.78	88.46	87.83	90.32	90.22	89.37	90.71	86.03
Missing Cause	89.13	91.86	84.15	87.60	86.29	82.79	91.18	87.79	94.15	95.97	92.38
Total Crude Prob.	83.82	84.66	82.30	83.09	86.46	86.45	88.60	87.26	87.48	89.93	89.13

Table G.34
Standard Errors for
Two Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
AGE											
0- 4	5.64	5.38	5.27	6.41	4.20	6.29	4.14	5.51	4.26	4.08	2.75
5- 9	5.21	4.91	4.67	7.79	5.39	4.81	3.63	4.10	4.88	4.20	3.84
10-14	4.36	4.67	4.25	4.53	3.38	3.97	3.34	3.20	3.23	1.94	3.20
15-19	2.94	3.27	3.37	3.54	2.97	3.52	2.94	3.82	2.77	2.34	2.32
20-24	2.52	2.86	2.98	2.77	2.71	1.94	1.85	2.43	2.19	2.13	2.40
25-29	1.99	2.10	2.46	2.25	2.15	1.59	1.78	1.87	1.66	1.32	1.67
30-34	2.37	1.99	2.11	2.29	2.21	2.17	1.91	1.73	1.73	1.53	1.59
35-39	2.64	2.49	2.49	2.41	2.08	2.12	1.77	1.84	2.02	1.55	1.51
40-44	2.91	2.69	2.86	2.57	2.71	2.12	2.14	1.84	1.84	1.57	1.59
45-49	3.39	3.30	3.70	3.36	2.38	3.13	2.39	2.14	1.80	2.05	1.53
50-54	4.36	4.23	4.54	3.55	3.42	3.26	2.50	2.94	2.41	1.96	1.73
55-59	5.56	4.83	4.24	5.51	4.26	4.15	2.97	2.84	3.19	2.53	2.64
60-64	12.01	5.98	8.06	7.82	5.40	5.16	5.63	3.33	3.37	4.05	3.06
65 plus	11.68	17.36	13.09	14.24	17.36	6.93	7.64	6.16	5.66	4.00	3.98
RACE											
Black	3.31	3.32	3.34	2.91	2.81	2.73	2.27	2.26	1.88	1.56	1.47
White	0.93	0.91	0.99	1.00	0.87	0.84	0.74	0.75	0.73	0.63	0.64
Other	4.74	4.62	4.14	3.61	2.92	3.00	1.83	2.29	1.97	2.08	2.18
SEX											
Male	1.17	1.12	1.25	1.23	1.07	1.01	0.91	0.89	0.84	0.77	0.75
Female	1.45	1.43	1.41	1.36	1.26	1.23	1.04	1.09	1.03	0.86	0.86
PRIMARY DIAGNOSIS											
Diabetes	2.15	1.87	2.13	2.05	1.80	1.75	1.65	1.66	1.56	1.34	1.34
Hypertension	3.31	3.11	2.95	3.27	2.82	2.87	2.09	2.05	1.83	1.66	1.59
Glomeruloneph.	1.62	1.57	1.54	1.71	1.48	1.31	1.20	1.28	1.36	1.08	1.06
Cystic Kidney	4.74	4.24	4.03	3.73	3.88	2.47	3.06	2.78	2.70	2.51	2.03
Other Urologic	3.96	3.53	5.83	4.79	5.20	4.36	2.28	2.40	3.54	2.03	2.68
Other Cause	2.02	2.05	2.35	2.07	1.78	1.97	1.63	1.78	1.45	1.42	1.35
Unknown Cause	2.69	4.00	3.36	3.71	3.09	3.01	2.63	2.17	2.13	2.12	2.94
Missing Cause	3.19	2.93	4.00	2.87	3.06	3.34	2.41	2.84	1.79	1.60	1.82
Total Crude Prob.	0.91	0.89	0.94	0.92	0.81	0.78	0.68	0.69	0.65	0.57	0.57

Table G.35
Three Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
AGE											
0- 4	82.05	86.11	81.58	72.41	68.89	87.04	70.73	87.93	74.07	81.25	90.00
5- 9	71.43	77.55	86.84	82.69	73.33	77.55	77.97	86.84	86.44	81.03	88.89
10- 14	68.09	73.42	74.68	80.88	72.41	86.21	78.87	84.52	81.44	85.00	95.40
15- 19	76.15	81.54	75.18	74.62	74.02	82.91	67.59	80.88	70.83	77.18	84.00
20- 24	80.21	78.42	75.52	77.59	76.57	76.60	87.13	88.56	85.48	81.58	82.55
25- 29	82.43	82.09	83.27	77.73	81.23	82.28	87.67	85.81	84.23	85.58	90.60
30- 34	81.50	76.98	84.91	84.35	81.47	81.82	82.10	84.59	87.20	85.45	88.12
35- 39	81.61	76.65	79.72	84.62	82.78	87.34	86.58	88.06	86.94	82.83	87.46
40- 44	73.60	83.33	82.98	81.76	85.82	83.03	86.26	84.84	86.59	87.64	88.22
45- 49	69.07	73.77	84.26	73.77	83.49	88.64	80.74	85.03	84.86	87.88	82.85
50- 54	72.00	71.91	82.43	69.05	80.00	80.85	81.74	84.80	80.77	84.65	85.14
55- 59	73.68	78.00	75.41	82.35	74.07	80.82	78.82	87.00	85.51	74.13	82.56
60- 64	58.33	61.54	90.91	65.52	76.00	73.91	88.89	73.68	87.50	78.95	73.27
65 plus	100.00	0.00	66.67	53.85	75.00	66.67	73.08	82.61	69.39	74.47	82.46
RACE											
Black	55.14	56.92	62.98	66.67	68.93	72.91	76.21	76.47	73.48	77.40	79.96
White	80.65	81.01	83.17	80.01	80.89	83.48	83.14	86.23	85.33	84.09	87.43
Other	84.91	78.33	81.36	83.56	84.71	91.30	86.41	93.85	90.28	88.76	88.37
SEX											
Male	78.61	78.43	80.80	77.60	77.89	83.40	82.39	85.34	84.33	84.22	85.81
Female	76.13	77.41	80.97	80.35	82.24	81.63	82.79	85.42	83.59	82.20	86.44
PRIMARY DIAGNOSIS											
Diabetes	74.68	75.44	79.84	76.42	77.49	82.45	82.12	79.70	81.26	81.29	84.79
Hypertension	70.71	72.22	76.67	77.92	71.71	77.85	78.13	84.32	82.13	82.67	81.12
Glomeruloneph.	78.10	76.92	82.59	81.55	77.84	82.66	84.24	87.52	84.65	81.79	86.24
Cystic Kidney	84.06	76.92	83.10	80.56	86.36	84.00	91.58	87.61	87.69	84.96	88.65
Other Urologic	70.37	90.57	91.49	81.58	91.18	83.72	81.36	94.59	92.22	79.28	89.58
Other Cause	79.46	77.74	77.61	74.44	83.22	84.92	80.24	86.05	81.91	83.81	87.07
Unknown Cause	85.59	89.62	78.64	82.11	81.52	82.69	81.74	87.10	86.96	86.96	86.89
Missing Cause	77.27	83.70	90.70	81.71	85.27	82.26	81.97	86.76	87.02	92.98	94.63
Total Crude Prob.	77.67	78.01	80.87	78.75	79.57	82.66	82.56	85.37	84.01	83.39	86.08

Table G.36
Standard Errors for
Three Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
AGE											
0- 4	5.99	5.64	6.17	5.55	6.57	4.49	6.74	4.14	5.83	4.26	4.65
5- 9	6.86	5.68	5.41	5.18	7.79	5.82	5.16	3.80	4.35	5.07	4.20
10-14	4.75	4.91	4.83	4.72	4.74	3.65	4.72	3.91	3.92	3.55	2.23
15-19	3.70	3.38	3.65	3.78	3.85	3.45	3.82	3.34	4.11	3.41	2.76
20-24	2.88	2.96	3.08	3.14	3.16	3.06	2.54	2.24	2.55	2.55	2.46
25-29	2.44	2.33	2.28	2.58	2.39	2.38	1.91	2.04	2.17	1.98	1.63
30-34	2.42	2.63	2.19	2.38	2.39	2.46	2.37	2.10	1.95	1.93	1.73
35-39	2.92	2.99	2.73	2.57	2.59	2.18	2.22	1.97	1.96	2.17	1.80
40-44	3.90	3.15	3.12	3.04	2.91	2.89	2.35	2.28	2.10	1.97	1.81
45-49	4.61	3.95	3.48	3.93	3.53	2.73	3.35	2.59	2.41	2.14	2.26
50-54	5.12	4.70	4.37	4.95	4.17	4.03	3.56	3.18	3.12	2.52	2.38
55-59	6.97	5.76	5.43	4.57	5.83	4.53	4.35	3.34	2.97	3.63	2.88
60-64	13.45	12.68	5.98	8.58	8.35	6.31	5.16	5.76	3.66	4.13	4.35
65 plus	0.00	0.00	17.36	13.09	14.24	17.36	8.50	7.64	6.44	6.27	4.96
RACE											
Black	3.60	3.50	3.55	3.53	3.19	3.09	2.94	2.47	2.48	2.12	1.76
White	1.10	1.06	1.00	1.07	1.07	0.97	0.94	0.83	0.82	0.82	0.73
Other	4.85	5.24	5.01	4.29	3.87	2.92	3.34	2.10	2.45	2.42	2.43
SEX											
Male	1.33	1.32	1.25	1.34	1.31	1.16	1.15	1.00	1.00	0.94	0.88
Female	1.77	1.61	1.52	1.51	1.52	1.43	1.32	1.16	1.18	1.18	1.00
PRIMARY DIAGNOSIS											
Diabetes	2.46	2.31	2.04	2.24	2.24	1.99	1.93	1.85	1.83	1.74	1.49
Hypertension	3.81	3.70	3.43	3.32	3.62	3.27	3.23	2.35	2.23	2.07	1.97
Glomeruloneph.	1.87	1.86	1.74	1.72	1.81	1.61	1.46	1.33	1.43	1.51	1.25
Cystic Kidney	4.37	5.15	4.39	4.62	4.16	4.19	2.82	3.06	2.86	3.06	2.66
Other Urologic	8.48	3.96	4.03	6.20	4.79	5.54	4.98	2.61	2.81	3.81	3.10
Other Cause	2.33	2.34	2.29	2.44	2.18	1.97	2.17	1.76	1.97	1.72	1.59
Unknown Cause	3.20	2.94	4.00	3.42	4.01	3.66	3.56	2.99	2.47	2.33	2.47
Missing Cause	5.06	3.79	3.11	4.23	3.09	3.40	3.41	2.88	2.92	1.95	1.84
Total Crude Prob.	1.07	1.02	0.97	1.00	1.00	0.90	0.87	0.76	0.76	0.73	0.66

Table G.37
Five Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
AGE											
0- 4	63.64	69.70	74.36	83.33	76.32	62.07	62.22	87.04	70.73	84.48	72.22
5- 9	50.00	48.28	66.67	71.43	76.32	73.08	60.00	71.43	74.58	80.26	74.58
10- 14	59.65	69.51	59.57	62.03	63.29	72.06	66.67	77.01	73.24	78.57	69.07
15- 19	72.14	71.43	66.92	71.54	63.50	63.08	66.14	70.94	57.93	74.26	63.33
20- 24	69.34	69.38	68.98	70.53	64.06	72.41	70.29	68.09	77.78	76.62	78.49
25- 29	68.99	73.21	73.64	75.00	75.29	71.09	75.48	74.80	81.16	78.89	76.34
30- 34	69.62	71.91	75.20	69.44	78.49	79.57	72.97	74.79	74.71	78.42	79.24
35- 39	68.00	71.51	71.84	67.01	73.11	77.44	73.21	81.66	77.06	79.85	78.69
40- 44	63.49	61.21	62.40	75.36	73.05	72.96	78.72	75.15	78.20	73.77	77.78
45- 49	67.74	66.32	58.76	65.57	73.15	68.85	74.31	84.09	74.81	75.94	76.60
50- 54	52.24	64.10	60.00	60.67	75.68	60.71	72.22	74.47	68.70	71.20	71.79
55- 59	62.50	71.43	68.42	66.00	63.93	76.47	57.41	72.60	68.24	75.00	78.99
60- 64	53.33	66.67	41.67	53.85	81.82	58.62	48.00	54.35	66.67	64.91	78.75
65 plus	0.00	75.00	66.67	0.00	50.00	38.46	75.00	66.67	65.38	73.91	61.22
RACE											
Black	53.98	55.91	41.62	46.15	54.14	52.87	53.88	59.11	62.62	60.21	63.90
White	68.61	71.24	71.99	72.87	74.00	73.83	73.97	76.89	75.16	78.68	77.20
Other	61.82	74.47	79.25	71.67	77.97	72.60	72.94	83.70	84.47	87.69	84.72
SEX											
Male	64.67	69.38	68.34	69.32	72.83	70.66	69.65	75.79	74.14	76.95	76.07
Female	69.91	69.68	68.82	70.03	70.62	72.78	74.08	74.31	74.50	76.43	75.54
PRIMARY DIAGNOSIS											
Diabetes	60.29	62.54	63.96	66.67	70.68	69.60	66.37	73.26	72.02	69.87	72.23
Hypertension	62.00	63.70	59.29	61.11	69.33	66.88	61.84	68.99	67.50	69.07	71.48
Glomeruloneph.	67.42	72.64	69.83	69.03	73.46	75.60	71.10	75.36	76.03	78.49	76.90
Cystic Kidney	78.72	70.69	79.71	70.77	73.24	75.00	81.82	77.33	87.37	79.65	83.08
Other Urologic	67.57	77.50	70.37	81.13	82.98	68.42	88.24	72.09	69.49	90.54	83.33
Other Cause	69.38	70.00	68.35	69.03	67.79	68.69	74.48	79.69	72.64	79.21	73.14
Unknown Cause	78.29	66.97	77.12	85.85	72.82	69.92	76.09	76.92	75.65	80.65	80.43
Missing Cause	63.03	77.78	72.73	72.83	81.40	75.61	76.74	74.19	77.05	85.29	81.68
Total Crude Prob.	66.64	69.49	68.52	69.61	71.94	71.55	71.36	75.17	74.29	76.73	75.84

Table G.38
Standard Errors for
Five Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
AGE											
0- 4	8.14	7.85	6.84	6.09	6.77	6.13	6.94	4.49	6.74	4.62	5.96
5- 9	7.60	8.99	7.16	6.21	6.76	6.08	8.67	6.32	5.46	4.50	5.57
10-14	6.32	5.04	4.99	5.40	5.36	5.39	5.00	4.47	5.13	4.44	4.65
15-19	3.76	3.78	4.09	3.92	4.08	4.20	4.16	4.16	4.05	3.72	4.35
20-24	3.15	3.17	3.36	3.29	3.44	3.36	3.42	3.37	3.16	2.97	2.98
25-29	2.86	2.70	2.83	2.63	2.64	2.82	2.64	2.71	2.27	2.39	2.53
30-34	2.97	2.74	2.69	2.88	2.51	2.65	2.74	2.77	2.69	2.40	2.37
35-39	3.50	3.41	3.39	3.33	3.02	2.98	3.04	2.54	2.74	2.44	2.39
40-44	4.23	4.47	4.28	3.64	3.70	3.49	3.42	3.34	2.82	2.80	2.56
45-49	4.76	4.79	4.92	4.27	4.23	4.14	4.15	3.16	3.70	3.11	2.85
50-54	6.03	5.35	5.58	5.11	4.93	5.24	4.67	4.46	4.28	4.01	3.57
55-59	6.83	6.81	7.37	6.58	6.06	5.09	6.56	5.15	4.97	4.29	3.44
60-64	12.20	12.92	13.27	12.98	8.02	8.83	9.61	7.18	7.69	6.23	4.53
65 plus	0.00	18.75	22.22	0.00	18.05	12.16	14.24	17.36	9.11	8.87	6.82
RACE											
Black	3.72	3.60	3.57	3.53	3.67	3.74	3.44	3.42	3.34	2.86	2.70
White	1.29	1.24	1.25	1.20	1.17	1.17	1.20	1.10	1.08	0.98	0.98
Other	6.46	6.27	5.50	5.73	5.33	5.16	4.77	3.83	3.53	2.87	2.98
SEX											
Male	1.55	1.49	1.51	1.49	1.42	1.47	1.45	1.34	1.32	1.20	1.17
Female	1.92	1.87	1.92	1.77	1.77	1.69	1.74	1.62	1.53	1.40	1.37
PRIMARY DIAGNOSIS											
Diabetes	2.92	2.85	2.72	2.53	2.31	2.43	2.54	2.32	2.27	2.11	2.11
Hypertension	3.93	3.94	4.12	4.03	3.74	3.77	3.90	3.64	3.67	2.99	2.63
Glomeruloneph.	2.11	1.93	2.08	2.04	2.03	1.90	1.98	1.83	1.72	1.66	1.67
Cystic Kidney	5.87	5.86	4.80	5.57	5.19	5.06	4.69	4.79	3.38	3.74	3.27
Other Urologic	7.51	6.51	8.48	5.31	5.40	7.39	5.44	6.74	5.90	3.38	3.90
Other Cause	3.16	2.77	2.68	2.61	2.57	2.60	2.55	2.22	2.44	2.07	2.27
Unknown Cause	3.61	4.46	3.84	3.37	4.34	4.10	4.41	4.09	3.96	3.52	2.91
Missing Cause	3.71	3.96	5.39	4.58	4.16	4.70	3.69	3.90	3.74	3.02	3.36
Total Crude Prob.	1.21	1.17	1.19	1.14	1.11	1.11	1.12	1.03	1.00	0.91	0.89

Table G.39
Ten Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
AGE											
0- 4	0.00	100.00	0.00	57.14	64.71	54.55	66.67	56.41	66.67	65.79	50.00
5- 9	42.86	75.00	30.00	55.56	54.55	40.00	37.93	59.52	44.90	55.26	48.08
10- 14	30.00	36.59	35.42	45.24	36.36	45.61	53.66	37.23	39.24	39.24	50.00
15- 19	31.25	44.78	46.67	53.62	55.45	56.43	51.43	56.15	50.00	51.82	52.31
20- 24	72.22	55.21	65.04	59.50	56.60	55.66	55.50	57.22	54.21	50.00	60.92
25- 29	55.10	59.62	53.06	63.58	60.99	56.59	60.38	59.83	64.93	60.08	55.47
30- 34	47.50	40.58	57.63	56.20	51.77	55.70	57.68	61.02	52.78	60.75	60.87
35- 39	52.38	48.89	53.93	48.31	46.96	56.00	55.23	56.32	51.27	55.19	59.49
40- 44	33.33	51.28	46.00	37.18	42.31	50.00	48.28	46.40	61.59	58.16	55.97
45- 49	31.25	24.32	31.11	36.54	35.71	49.46	51.58	39.18	50.82	47.22	56.56
50- 54	57.14	36.36	41.18	29.03	35.85	35.82	42.31	48.00	34.83	48.65	39.29
55- 59	28.57	30.00	42.86	33.33	34.78	33.33	57.14	31.58	34.00	36.07	45.59
60- 64	100.00	0.00	25.00	8.33	0.00	33.33	33.33	25.00	46.15	50.00	31.03
65 plus	0.00	0.00	0.00	25.00	100.00	0.00	25.00	66.67	0.00	16.67	23.08
RACE											
Black	36.36	35.29	31.91	35.53	28.28	35.23	33.87	25.95	30.77	31.49	36.21
White	46.82	48.51	52.58	53.77	52.61	54.92	57.21	57.12	55.87	56.73	56.72
Other	52.63	50.00	56.25	50.00	55.95	49.09	59.57	62.26	53.33	57.63	57.53
SEX											
Male	47.59	47.32	47.77	50.11	49.55	50.37	54.17	53.16	51.31	55.36	52.68
Female	44.83	47.41	54.55	54.39	52.42	55.75	54.94	54.01	54.82	51.90	57.21
PRIMARY DIAGNOSIS											
Diabetes	46.15	40.43	43.86	47.83	41.78	44.04	45.94	44.48	46.20	46.60	46.31
Hypertension	52.63	41.18	43.55	40.00	49.44	44.67	41.10	41.43	42.36	47.33	44.16
Glomeruloneph.	37.88	47.33	47.64	55.60	51.83	54.71	60.00	54.34	54.04	56.90	61.71
Cystic Kidney	42.86	53.85	26.92	46.15	44.12	51.06	51.72	66.67	60.00	52.11	62.50
Other Urologic	100.00	55.56	66.67	69.23	64.00	59.46	55.00	66.67	58.49	70.21	39.47
Other Cause	47.73	50.00	50.77	48.21	51.15	56.46	54.81	56.23	52.90	55.83	52.40
Unknown Cause	53.85	55.93	62.35	54.65	56.36	65.89	55.05	64.41	68.87	57.28	57.72
Missing Cause	48.24	45.03	54.12	52.91	51.76	49.70	67.59	63.64	58.70	63.95	69.51
Total Crude Prob.	46.36	47.36	50.37	51.90	50.68	52.40	54.47	53.48	52.75	53.97	54.58

Table G.40
Standard Errors for
Ten Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Unadjusted

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
AGE											
0- 4	0.00	0.00	0.00	16.97	11.17	8.43	8.05	7.75	7.71	7.56	6.37
5- 9	16.64	11.91	9.67	9.26	10.28	7.48	8.71	7.45	6.93	7.90	6.78
10-14	9.69	7.35	6.75	7.51	7.07	6.44	5.45	4.92	5.41	5.41	5.98
15-19	7.91	5.96	4.81	5.93	4.70	4.16	4.18	4.31	4.34	4.23	4.34
20-24	7.34	5.01	4.26	4.43	3.90	3.39	3.42	3.59	3.59	3.58	3.67
25-29	6.97	4.75	4.07	3.76	3.59	3.07	2.99	3.15	2.90	3.00	3.09
30-34	7.70	5.79	4.49	4.47	3.30	3.21	3.01	3.04	3.12	2.99	3.20
35-39	10.53	7.31	5.21	5.23	4.60	3.73	3.76	3.74	3.54	3.39	3.49
40-44	9.77	7.82	6.88	5.38	5.51	4.40	4.58	4.41	4.11	4.12	3.91
45-49	10.76	6.80	6.70	6.53	5.61	5.11	5.07	4.89	4.49	4.76	4.44
50-54	16.97	9.81	8.21	7.84	6.43	5.77	5.52	5.70	4.97	5.74	5.25
55-59	14.62	12.23	12.47	12.53	9.48	6.61	7.47	7.28	6.52	6.04	5.96
60-64	0.00	0.00	16.27	6.26	0.00	11.36	12.53	11.29	12.93	10.30	8.19
65 plus	0.00	0.00	0.00	16.27	0.00	0.00	13.34	22.22	0.00	11.68	10.38
RACE											
Black	9.80	6.50	4.74	5.41	4.46	3.57	3.43	3.18	3.27	3.42	3.61
White	3.33	2.29	1.93	1.87	1.64	1.39	1.36	1.38	1.34	1.32	1.32
Other	10.99	9.12	7.02	8.13	5.35	6.64	7.05	6.56	6.34	6.35	5.72
SEX											
Male	4.11	2.78	2.23	2.29	1.92	1.63	1.61	1.63	1.61	1.58	1.61
Female	4.56	3.25	2.82	2.68	2.39	2.08	2.03	2.07	1.92	1.94	1.88
PRIMARY DIAGNOSIS											
Diabetes	13.01	7.00	6.45	5.16	4.04	2.96	2.94	2.81	2.68	2.54	2.64
Hypertension	11.03	8.18	6.18	6.46	5.23	4.03	4.03	4.13	4.08	4.04	3.97
Glomeruloneph.	5.87	4.03	3.24	3.07	2.64	2.24	2.12	2.25	2.20	2.27	2.16
Cystic Kidney	16.64	13.09	8.16	9.41	8.31	7.15	6.44	5.62	5.99	5.85	5.65
Other Urologic	0.00	15.33	11.52	12.21	9.33	7.88	7.71	8.77	6.67	6.58	7.74
Other Cause	7.38	5.32	4.34	4.68	3.76	3.40	3.01	2.86	2.82	2.74	2.80
Unknown Cause	9.51	6.33	5.18	5.30	4.68	4.14	4.71	4.38	4.47	4.82	4.42
Missing Cause	5.35	4.01	3.55	3.77	3.80	3.85	4.46	5.83	5.07	5.13	5.04
Total Crude Prob.	3.06	2.12	1.76	1.74	1.50	1.28	1.26	1.28	1.24	1.23	1.23

Table G.41
90 Day Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0-19	94.22	91.93	88.94	93.74	86.90	93.17	90.82	93.14	97.40	95.28	95.34
20-44	92.84	92.48	92.02	92.34	93.62	95.20	93.60	94.33	95.62	95.55	96.79
45-64	93.09	88.30	90.87	91.41	89.18	93.44	92.29	94.09	94.61	93.81	95.99
65 plus	34.13	37.59	45.28	52.17	50.39	63.60	72.24	75.99	79.28	86.18	91.23
RACE											
Black	90.29	86.23	89.20	89.86	91.96	92.60	91.41	94.32	94.71	93.55	96.13
White	93.55	92.22	91.81	92.28	91.58	94.57	93.02	93.63	95.25	94.82	95.96
Other	92.25	93.09	95.16	97.37	95.14	97.08	96.14	98.01	98.18	94.93	97.77
SEX											
Male	91.89	90.43	89.94	91.17	91.61	94.05	92.71	93.69	95.71	94.19	96.43
Female	93.86	91.89	93.28	92.75	90.91	94.41	92.73	94.21	94.75	95.03	95.19
PRIMARY DIAGNOSIS											
Diabetes	90.32	88.73	91.85	92.04	92.20	92.58	90.35	93.74	94.43	94.36	96.39
Hypertension	94.45	93.80	89.62	89.25	90.73	94.30	94.63	94.48	94.66	94.72	97.65
Glomeruloneph.	95.52	92.34	92.21	92.30	91.69	96.68	94.03	95.14	96.26	95.22	96.64
Other Cause	91.14	91.17	91.55	92.27	91.33	93.15	93.01	93.48	96.17	94.68	95.32
Total Adjusted Prob.	92.64	91.05	91.19	91.87	91.17	94.21	92.70	93.87	95.27	94.54	96.00

Table G.42
Standard Errors for
90 Day Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0-19	1.35	1.52	1.81	1.37	1.80	1.32	1.58	1.27	0.82	1.05	1.06
20-44	0.81	0.86	0.86	0.83	0.74	0.60	0.70	0.62	0.52	0.53	0.45
45-64	1.60	1.91	1.80	1.54	1.68	1.15	1.10	0.91	0.81	0.79	0.60
65 plus	3.95	3.36	3.36	3.13	3.08	2.82	2.09	1.74	1.75	1.25	1.10
RACE											
Black	2.21	2.76	2.24	2.22	2.00	1.52	1.57	1.15	1.01	1.10	0.81
White	0.69	0.75	0.79	0.73	0.73	0.57	0.61	0.57	0.48	0.47	0.40
Other	3.70	3.03	2.28	1.86	2.14	1.66	1.72	1.13	1.04	1.69	1.04
SEX											
Male	0.96	1.05	1.03	0.97	0.91	0.72	0.75	0.66	0.53	0.58	0.44
Female	0.96	1.11	1.05	1.03	1.09	0.78	0.84	0.73	0.68	0.62	0.59
PRIMARY DIAGNOSIS											
Diabetes	1.70	1.86	1.60	1.54	1.45	1.24	1.41	1.10	0.96	0.96	0.72
Hypertension	1.82	1.90	2.42	2.44	2.20	1.48	1.28	1.22	1.10	1.14	0.73
Glomeruloneph.	1.01	1.31	1.22	1.22	1.25	0.72	0.97	0.86	0.71	0.77	0.63
Other Cause	1.27	1.25	1.28	1.17	1.15	1.01	0.93	0.84	0.66	0.72	0.67
Total Adjusted Prob.	0.70	0.77	0.75	0.71	0.71	0.53	0.56	0.49	0.42	0.43	0.35

Table G.43
One Year Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0-19	89.81	87.08	82.37	90.79	82.54	90.61	86.84	89.84	94.80	93.04	93.37
20-44	89.15	88.18	88.80	89.34	91.53	93.20	92.06	92.13	94.33	93.43	94.97
45-64	88.59	82.50	85.34	89.57	86.46	90.60	89.37	90.37	91.18	91.45	93.71
65 plus	34.13	37.59	45.28	52.17	50.39	63.60	72.24	75.99	79.28	86.18	91.23
RACE											
Black	84.11	81.25	82.83	84.30	87.39	89.05	87.37	90.74	91.37	90.32	93.53
White	90.06	87.62	87.96	89.78	89.10	92.35	91.11	90.71	93.38	92.60	94.06
Other	86.47	88.97	93.19	94.75	95.14	97.08	93.70	96.03	95.15	93.24	96.15
SEX											
Male	87.56	85.55	84.91	88.22	88.58	91.34	90.54	90.33	92.76	91.71	94.76
Female	90.13	86.92	90.21	89.65	88.61	92.43	90.20	91.63	93.46	92.75	92.44
PRIMARY DIAGNOSIS											
Diabetes	85.06	83.31	86.02	89.31	89.33	89.00	89.28	89.99	92.33	92.45	93.69
Hypertension	90.71	89.42	85.90	87.35	89.55	91.43	92.40	91.99	91.61	91.94	95.67
Glomeruloneph.	90.61	88.52	86.68	88.61	88.42	94.64	91.46	92.07	94.43	93.38	95.05
Other Cause	88.13	85.81	89.60	89.54	88.91	91.55	90.37	90.94	94.20	91.98	93.56
Total Adjusted Prob.	88.49	86.11	86.91	88.87	88.41	91.83	90.37	90.83	93.01	92.15	93.92

Table G.44
Standard Errors for
One Year Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
AGE											
0-19	1.75	1.89	2.21	1.64	2.06	1.53	1.85	1.53	1.17	1.27	1.28
20-44	1.00	1.07	1.01	0.98	0.85	0.72	0.77	0.73	0.60	0.64	0.57
45-64	2.03	2.28	2.23	1.68	1.86	1.36	1.28	1.14	1.03	0.92	0.76
65 plus	3.95	3.36	3.36	3.13	3.08	2.82	2.09	1.74	1.75	1.25	1.10
RACE											
Black	2.86	3.18	2.81	2.75	2.55	1.87	1.91	1.49	1.29	1.33	1.07
White	0.86	0.95	0.97	0.85	0.83	0.67	0.69	0.68	0.57	0.56	0.49
Other	4.78	3.82	2.77	2.67	2.14	1.66	2.23	1.59	1.70	1.95	1.54
SEX											
Male	1.19	1.29	1.26	1.12	1.07	0.87	0.86	0.81	0.68	0.69	0.53
Female	1.24	1.41	1.29	1.23	1.22	0.92	0.98	0.89	0.75	0.75	0.74
PRIMARY DIAGNOSIS											
Diabetes	2.11	2.25	2.09	1.78	1.72	1.51	1.49	1.37	1.12	1.12	0.99
Hypertension	2.35	2.45	2.81	2.62	2.33	1.80	1.52	1.47	1.39	1.41	1.05
Glomeruloneph.	1.49	1.64	1.64	1.51	1.48	0.93	1.18	1.14	0.88	0.91	0.80
Other Cause	1.49	1.62	1.45	1.37	1.31	1.13	1.11	1.00	0.82	0.90	0.80
Total Adjusted Prob.	0.87	0.96	0.93	0.83	0.81	0.63	0.65	0.60	0.51	0.51	0.44

Table G.45
Two Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
AGE											
0-19	84.42	82.32	82.24	76.49	87.17	79.10	87.48	82.23	85.52	91.91	89.81
20-44	84.03	84.76	82.83	84.48	85.86	88.70	88.91	88.48	88.07	91.22	90.00
45-64	76.34	83.70	76.36	82.19	86.81	82.21	87.31	86.79	87.39	86.56	88.21
65 plus	25.28	34.13	37.59	45.28	52.17	50.39	63.60	72.24	75.99	79.28	86.18
RACE											
Black	64.83	73.17	70.13	76.47	78.75	79.77	82.53	81.51	84.71	85.07	85.49
White	85.14	85.92	82.88	84.11	86.79	86.76	89.00	88.33	87.32	90.35	89.33
Other	84.29	82.68	84.85	89.24	89.51	89.23	94.16	90.36	92.04	91.49	89.86
SEX											
Male	81.95	82.63	79.14	79.79	85.06	85.97	87.17	87.31	86.53	89.05	88.12
Female	80.65	84.62	82.12	86.97	85.52	84.41	88.79	86.65	87.56	89.68	89.16
PRIMARY DIAGNOSIS											
Diabetes	74.77	80.76	76.98	80.24	85.06	85.93	84.07	86.04	85.18	88.30	88.46
Hypertension	83.80	83.21	84.35	80.27	84.82	84.80	88.54	86.58	88.37	88.55	89.16
Glomeruloneph.	82.52	85.69	84.91	82.35	85.64	85.72	91.26	88.56	87.29	90.95	88.70
Other Cause	84.91	82.59	78.93	86.65	85.59	85.77	87.63	87.73	88.30	90.67	89.47
Total Adjusted Prob.	81.35	83.21	80.38	82.50	85.32	85.07	87.90	86.99	86.88	89.25	88.56

Table G.46
Standard Errors for
Two Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
AGE											
0-19	2.10	2.22	2.16	2.47	1.90	2.23	1.75	2.10	1.80	1.47	1.51
20-44	1.21	1.17	1.27	1.18	1.12	0.98	0.91	0.92	0.90	0.74	0.79
45-64	2.86	2.38	2.57	2.41	1.88	2.10	1.56	1.41	1.29	1.24	1.07
65 plus	3.22	3.95	3.36	3.36	3.13	3.08	2.82	2.09	1.74	1.75	1.25
RACE											
Black	3.82	3.70	3.85	3.23	3.17	3.26	2.36	2.32	1.92	1.69	1.60
White	1.08	1.03	1.12	1.12	0.96	0.91	0.81	0.79	0.79	0.68	0.66
Other	5.26	5.32	4.44	3.62	3.86	3.17	2.31	2.79	2.22	2.23	2.39
SEX											
Male	1.42	1.39	1.54	1.45	1.26	1.18	1.05	1.00	0.94	0.83	0.81
Female	1.83	1.58	1.65	1.51	1.46	1.43	1.12	1.15	1.10	0.93	0.91
PRIMARY DIAGNOSIS											
Diabetes	2.83	2.39	2.61	2.46	2.10	2.00	1.78	1.71	1.63	1.36	1.41
Hypertension	2.99	3.13	2.93	3.28	2.84	2.79	2.06	1.99	1.77	1.62	1.64
Glomeruloneph.	1.95	1.87	1.90	1.92	1.72	1.64	1.24	1.38	1.49	1.17	1.19
Other Cause	1.73	1.82	1.99	1.68	1.62	1.51	1.38	1.27	1.15	1.05	1.04
Total Adjusted Prob.	1.12	1.05	1.13	1.07	0.95	0.92	0.77	0.75	0.72	0.62	0.60

Table G.47
Three Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
AGE											
0-19	73.91	79.33	77.54	77.07	72.68	83.54	72.79	84.04	77.00	80.90	89.00
20-44	78.37	77.80	80.75	80.00	81.02	82.17	85.06	85.66	85.30	84.35	87.65
45-64	68.50	68.74	80.85	70.96	77.81	81.87	79.19	83.59	84.04	82.75	81.94
65 plus	22.43	25.28	34.13	37.59	45.28	52.17	50.39	63.60	72.24	75.99	79.28
RACE											
Black	50.36	53.33	65.24	63.98	68.62	72.20	75.20	77.94	75.83	79.08	79.76
White	80.00	79.68	82.60	79.41	81.21	83.01	82.79	85.82	85.43	83.46	86.59
Other	84.78	79.50	78.89	83.48	87.24	89.51	86.23	92.23	88.66	87.38	87.79
SEX											
Male	74.36	75.03	77.35	74.66	76.48	81.68	80.84	83.72	83.49	82.65	84.99
Female	75.39	74.35	81.99	79.02	82.91	80.36	81.43	85.35	83.91	82.83	85.53
PRIMARY DIAGNOSIS											
Diabetes	67.83	69.41	76.20	73.51	75.08	80.82	82.00	78.69	82.15	80.59	84.79
Hypertension	70.34	76.91	78.16	78.62	73.32	77.86	79.39	84.81	83.32	84.13	82.62
Glomeruloneph.	74.31	74.75	81.65	80.23	79.44	82.47	81.50	88.88	85.30	83.46	87.13
Other Cause	79.97	79.15	78.82	76.19	84.34	81.50	81.93	84.73	84.85	84.24	87.37
Total Adjusted Prob.	74.49	74.67	79.06	76.49	78.83	81.20	80.81	84.46	83.65	82.61	85.13

Table G.48
Standard Errors for
Three Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
AGE											
0-19	2.50	2.34	2.43	2.39	2.60	2.11	2.46	1.94	2.32	2.03	1.72
20-44	1.45	1.40	1.31	1.35	1.29	1.25	1.12	1.02	1.03	1.02	0.87
45-64	3.40	3.15	2.54	2.75	2.63	2.15	2.24	1.75	1.53	1.48	1.40
65 plus	3.44	3.22	3.95	3.36	3.36	3.13	3.08	2.82	2.09	1.74	1.75
RACE											
Black	4.17	4.11	4.13	4.11	3.64	3.57	3.61	2.64	2.64	2.24	1.94
White	1.32	1.25	1.14	1.23	1.22	1.09	1.04	0.92	0.88	0.90	0.79
Other	5.64	6.10	5.76	4.63	4.00	3.86	3.58	2.65	3.04	2.75	2.66
SEX											
Male	1.74	1.64	1.56	1.68	1.56	1.39	1.38	1.18	1.13	1.06	0.96
Female	2.20	2.10	1.72	1.78	1.75	1.69	1.56	1.29	1.26	1.30	1.09
PRIMARY DIAGNOSIS											
Diabetes	3.30	3.07	2.63	2.77	2.74	2.36	2.29	2.03	1.93	1.83	1.53
Hypertension	4.21	3.55	3.52	3.35	3.73	3.30	3.19	2.34	2.20	2.05	1.98
Glomeruloneph.	2.46	2.33	2.13	2.20	2.09	1.91	1.86	1.42	1.59	1.74	1.44
Other Cause	2.11	2.05	2.01	2.12	1.85	1.85	1.72	1.54	1.42	1.35	1.24
Total Adjusted Prob.	1.37	1.29	1.17	1.23	1.18	1.07	1.04	0.87	0.84	0.82	0.72

Table G.49
Five Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
AGE											
0-19	64.80	68.40	65.73	70.48	66.94	66.73	65.06	75.29	66.42	77.99	68.08
20-44	65.13	67.29	68.24	69.18	72.12	73.13	73.23	74.75	76.59	76.60	76.72
45-64	58.55	63.46	56.87	57.56	70.29	64.12	64.47	73.40	67.20	72.41	75.78
65 plus	19.52	27.28	22.43	25.28	34.13	37.59	45.28	52.17	50.39	63.60	72.24
RACE											
Black	55.98	55.75	36.30	42.12	56.65	49.41	53.45	58.14	61.02	62.27	66.72
White	65.17	69.38	71.06	71.05	73.17	73.06	74.35	76.25	74.65	78.02	77.32
Other	53.87	69.36	79.00	73.07	75.10	72.51	77.05	80.35	84.22	84.41	81.90
SEX											
Male	57.98	64.97	62.18	64.56	68.08	66.92	67.68	73.29	71.94	74.32	74.72
Female	68.82	67.99	67.63	66.12	71.96	70.94	74.82	72.55	72.50	76.22	75.93
PRIMARY DIAGNOSIS											
Diabetes	52.56	54.97	54.81	58.91	65.68	65.94	62.95	70.87	71.76	68.42	73.47
Hypertension	62.17	67.53	58.41	66.03	71.12	67.66	63.55	69.01	68.90	69.73	73.07
Glomeruloneph.	65.63	68.96	64.77	66.12	72.03	73.82	72.99	74.88	71.97	80.56	77.59
Other Cause	65.67	69.07	70.77	70.25	68.62	68.19	76.90	74.22	74.95	77.76	77.26
Total Adjusted Prob.	61.89	66.19	64.02	65.10	69.33	68.58	70.22	73.09	71.80	75.19	75.24

Table G.50
Standard Errors for
Five Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
AGE											
0-19	2.89	2.76	2.70	2.64	2.74	2.69	2.78	2.46	2.63	2.20	2.58
20-44	1.70	1.68	1.69	1.59	1.53	1.53	1.50	1.46	1.37	1.27	1.25
45-64	3.69	3.48	3.70	3.41	2.98	2.93	3.09	2.50	2.61	2.13	1.81
65 plus	3.20	3.46	3.44	3.22	3.95	3.36	3.36	3.13	3.08	2.82	2.09
RACE											
Black	4.67	4.26	4.10	4.14	4.45	4.44	4.13	4.13	4.37	3.31	3.02
White	1.66	1.58	1.58	1.47	1.39	1.39	1.42	1.28	1.24	1.14	1.08
Other	8.18	7.71	6.69	7.06	6.15	5.78	5.68	5.36	3.83	3.65	3.90
SEX											
Male	2.01	1.92	2.03	1.88	1.79	1.87	1.79	1.66	1.65	1.46	1.38
Female	2.58	2.45	2.51	2.38	2.17	2.06	2.17	1.98	1.87	1.63	1.52
PRIMARY DIAGNOSIS											
Diabetes	4.07	3.79	3.68	3.40	3.07	3.08	3.21	2.85	2.88	2.36	2.32
Hypertension	4.35	4.15	4.69	4.16	3.95	3.89	4.17	3.69	3.74	3.05	2.68
Glomeruloneph.	2.93	2.73	2.82	2.64	2.63	2.55	2.41	2.31	2.26	1.97	2.00
Other Cause	2.52	2.54	2.61	2.45	2.44	2.43	2.34	2.19	2.05	1.88	1.77
Total Adjusted Prob.	1.60	1.51	1.58	1.47	1.39	1.39	1.39	1.27	1.24	1.09	1.02

Table G.51
Ten Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
AGE											
0-19	29.73	47.53	36.41	52.23	51.30	51.01	52.58	50.95	48.31	50.80	50.88
20-44	44.54	44.84	49.31	49.99	44.98	50.97	52.11	52.63	53.71	55.07	55.64
45-64	23.54	29.43	27.00	32.44	28.91	36.78	44.07	34.19	34.48	41.53	41.85
65 plus	6.45	17.01	15.44	17.51	13.74	19.52	27.28	22.43	25.28	34.13	37.59
RACE											
Black	41.58	49.74	17.82	34.35	25.52	37.37	33.75	20.68	26.50	33.89	32.45
White	41.89	38.28	50.10	46.30	45.62	50.40	54.69	55.71	53.21	55.41	55.49
Other	53.25	51.87	52.57	34.44	44.32	37.27	51.11	61.10	55.31	52.68	57.37
SEX											
Male	38.18	39.34	42.92	42.21	39.07	42.01	48.23	44.72	44.57	48.32	47.25
Female	44.91	33.87	48.77	44.97	42.39	54.12	52.44	51.68	49.52	53.37	54.34
PRIMARY DIAGNOSIS											
Diabetes	1.93	46.78	16.93	31.88	34.15	34.93	36.71	33.11	36.07	39.35	40.93
Hypertension	53.67	40.95	49.26	32.22	44.86	44.41	45.29	39.30	46.45	49.57	44.26
Glomeruloneph.	42.48	39.13	45.40	52.51	47.98	52.36	55.12	47.19	49.96	54.71	58.96
Other Cause	44.85	39.84	51.27	42.38	37.47	50.41	53.52	58.21	52.94	52.63	52.81
Total Adjusted Prob.	41.04	37.39	44.72	42.81	40.27	46.24	49.93	47.08	46.45	49.98	50.16

Table G.52
Standard Errors for
Ten Years Graft Survival Probabilities
for First Transplant (Living Related) by Year of Transplant
by Age, Race, Sex, and Primary Disease Causing ESRD
Adjusted for Age, Race, Sex, and Primary Disease

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
AGE											
0-19	6.37	5.23	3.88	4.21	3.64	3.03	2.97	2.85	2.90	2.92	2.87
20-44	4.98	3.29	2.83	2.56	2.20	1.83	1.86	1.90	1.78	1.79	1.79
45-64	15.65	8.03	6.46	7.17	4.77	3.76	3.70	3.66	3.39	3.29	3.10
65 plus	7.87	6.69	5.18	5.89	3.84	3.20	3.46	3.44	3.22	3.95	3.36
RACE											
Black	11.77	11.75	9.24	8.77	5.31	4.87	4.23	3.52	3.80	4.50	4.28
White	5.04	3.18	2.87	2.64	2.23	1.84	1.83	1.87	1.73	1.69	1.67
Other	16.05	13.75	13.63	11.19	8.86	8.39	8.55	9.00	8.86	7.33	6.74
SEX											
Male	6.16	3.80	3.51	3.23	2.69	2.10	2.13	2.23	2.08	2.04	2.15
Female	7.80	5.17	4.59	4.25	3.35	3.03	2.86	2.92	2.71	2.67	2.43
PRIMARY DIAGNOSIS											
Diabetes	5.14	11.88	9.69	8.30	5.08	4.11	3.89	3.66	3.52	3.48	3.50
Hypertension	13.03	10.06	8.79	7.30	6.20	4.62	4.66	4.79	4.63	4.61	4.24
Glomeruloneph.	10.04	6.58	4.89	4.97	3.96	3.32	3.17	3.21	2.99	3.20	3.13
Other Cause	5.52	3.85	3.68	3.42	3.28	2.84	3.00	3.09	2.94	2.84	2.84
Total Adjusted Prob.	4.84	3.04	2.78	2.55	2.09	1.74	1.71	1.77	1.65	1.63	1.61