



Two significant changes have been made to the reference tables in the Annual Data Report: the printed ADR no longer includes a separate volume of tables, and the overall number of tables has been reduced.

Both the CKD and ESRD volumes now include selected tables of particular interest, and Excel files of the complete tables are available on our website, www.usrds.org.

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The following symbols are used throughout these tables

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

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

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

Data for some early years are omitted from the printed tables; complete data are available on our website, at www.usrds.org.

Table A.1

Incident counts of reported ESRD: all patients*by age, gender, race, ethnicity, & primary diagnosis*

	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	47	140	148	166	193	203	180	198	232	210	199	235	225
5-9	96	103	152	147	153	151	182	147	149	146	128	130	146
10-14	180	214	246	283	308	309	338	337	322	336	297	312	282
15-19	435	441	542	569	575	583	585	624	647	624	671	627	690
20-29	1,536	2,085	2,634	2,692	2,709	2,710	2,579	2,548	2,635	2,734	2,757	2,832	2,805
30-39	2,220	3,306	4,886	5,751	5,820	5,753	5,799	5,734	5,798	5,902	6,019	5,890	5,979
40-49	2,442	3,689	6,278	8,986	10,991	11,054	11,328	11,629	11,945	12,122	12,648	12,342	12,229
50-59	3,749	5,500	8,362	11,955	16,884	17,771	18,225	19,161	19,851	20,669	21,955	22,045	22,439
60-64	2,133	3,950	6,138	8,004	10,077	10,479	10,580	11,269	11,648	11,946	12,426	12,959	13,427
65-69	2,183	3,929	7,244	9,313	11,507	11,876	11,806	12,169	12,311	12,230	12,718	12,800	13,171
70-79	2,527	5,785	10,874	16,584	23,965	24,840	24,940	24,950	24,942	25,078	25,557	24,916	24,807
80-84	332	1,025	2,397	4,159	7,455	7,771	8,749	8,910	9,249	9,739	9,862	9,896	9,856
85+	102	360	962	1,785	3,900	4,288	4,684	5,005	5,241	5,523	5,813	6,133	6,417
Unknown	.	*	*	*	.	*	.	.	*	.	*	*	*
0-19	758	898	1,088	1,165	1,229	1,246	1,285	1,306	1,350	1,316	1,295	1,304	1,343
20-44	4,869	7,131	10,638	12,539	13,265	13,169	13,122	13,136	13,400	13,749	14,003	13,835	13,758
45-64	7,211	11,399	17,660	24,849	33,216	34,598	35,389	37,205	38,477	39,624	41,802	42,233	43,121
65-74	3,790	7,412	13,509	18,686	23,898	24,761	24,514	24,620	24,873	24,777	25,555	25,486	25,874
75+	1,354	3,687	7,968	13,155	22,929	24,014	25,665	26,414	26,870	27,793	28,395	28,259	28,377
Unknown	.	*	*	*	.	*	.	.	*	.	*	*	*
Male	10,029	16,560	27,307	37,140	50,596	52,596	54,324	55,631	57,978	59,570	62,048	62,317	63,483
Female	7,952	13,972	23,557	33,254	43,941	45,193	45,651	47,043	46,993	47,686	49,005	48,800	48,985
Unknown	*	*	.	*	.	.	.	*	.	*	*	*	*
White	12,566	20,793	33,820	44,667	61,820	63,917	65,006	66,411	68,490	70,139	73,196	72,768	73,622
African American	4,867	8,722	14,998	21,612	26,762	27,804	28,700	29,578	29,391	30,491	31,470	31,638	31,840
Native American	125	307	602	885	1,201	1,174	1,148	1,136	1,203	1,224	1,232	1,268	1,281
Asian	109	601	1,295	2,290	3,252	3,447	3,602	3,758	3,893	4,156	4,771	5,112	5,176
Other/unknown	315	111	149	941	1,502	1,447	1,519	1,798	1,994	1,249	385	332	557
†Hispanic					12,545	11,790	12,529	13,323	13,691	13,888	14,795	15,104	15,608
†Non-Hispanic					81,992	85,999	87,446	89,358	91,280	93,371	96,259	96,014	96,868
Diabetes	2,689	8,705	18,151	29,326	42,435	44,144	44,456	45,647	46,733	47,411	49,394	49,006	49,482
Hypertension	3,160	8,263	15,387	18,835	25,076	26,311	27,283	28,566	28,725	29,036	29,802	30,744	31,349
Glomerulonephritis	2,801	5,107	7,086	8,304	8,691	8,632	8,738	8,446	8,604	8,204	8,020	7,596	7,482
Cystic kidney	771	1,226	1,579	1,931	2,192	2,268	2,251	2,305	2,341	2,520	2,662	2,642	2,671
Other urologic	476	1,178	1,310	2,047	2,738	2,770	2,930	2,821	2,872	2,170	1,678	1,551	1,567
Other cause	1,832	3,553	4,864	7,149	9,121	9,330	9,946	10,190	10,835	12,355	13,776	14,154	14,277
Unknown cause	1,599	1,551	1,928	2,486	3,773	4,009	3,959	4,066	4,123	4,670	4,839	4,644	4,399
Missing disease	4,654	951	559	317	511	325	412	640	738	893	883	781	1,249
U.S.	17,612	29,948	49,864	69,380	93,225	96,423	98,524	101,010	103,235	105,533	109,202	109,278	110,420
U.S. territories	*	31	62	103	136	145	172	166	170	172	199	206	233
Puerto Rico	239	391	613	841	1,102	1,170	1,218	1,288	1,294	1,236	1,332	1,362	1,389
Foreign	*	20	41	33	40	29	35	31	21	25	33	20	15
Unknown	113	144	284	38	34	22	26	186	251	293	288	252	419
All	17,982	30,534	50,864	70,395	94,537	97,789	99,975	102,681	104,971	107,259	111,054	111,118	112,476



Table A.1 (continued)

Incident counts of reported ESRD: all patients: U.S. only, with unknowns dropped*by age, gender, race, ethnicity, & primary diagnosis*

	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	46	133	142	159	186	184	164	185	209	196	191	223	211
5-9	91	101	146	145	149	143	175	133	136	135	120	122	137
10-14	174	207	239	268	295	297	326	311	292	314	280	299	271
15-19	427	429	523	550	542	559	548	581	607	590	649	607	658
20-29	1,483	2,031	2,562	2,618	2,573	2,592	2,429	2,399	2,463	2,597	2,683	2,767	2,724
30-39	2,145	3,231	4,759	5,617	5,639	5,547	5,599	5,470	5,498	5,739	5,898	5,753	5,829
40-49	2,360	3,591	6,086	8,737	10,667	10,771	10,979	11,223	11,487	11,776	12,372	12,104	11,936
50-59	3,618	5,356	8,109	11,566	16,317	17,185	17,654	18,463	19,136	20,074	21,503	21,586	21,904
60-64	2,044	3,859	5,986	7,782	9,730	10,162	10,248	10,868	11,243	11,644	12,155	12,662	13,098
65-69	2,112	3,856	7,152	9,072	11,205	11,573	11,500	11,821	11,978	11,932	12,483	12,554	12,901
70-79	2,416	5,701	10,736	16,331	23,534	24,373	24,479	24,429	24,462	24,654	25,216	24,538	24,394
80-84	321	1,012	2,370	4,098	7,353	7,674	8,630	8,769	9,111	9,607	9,749	9,804	9,770
85+	100	351	949	1,758	3,860	4,242	4,622	4,928	5,169	5,467	5,752	6,079	6,342
0-19	738	870	1,050	1,122	1,172	1,183	1,213	1,210	1,244	1,235	1,240	1,251	1,277
20-44	4,701	6,945	10,346	12,227	12,800	12,726	12,626	12,557	12,726	13,301	13,691	13,532	13,410
45-64	6,949	11,123	17,156	24,093	32,126	33,531	34,283	35,866	37,101	38,529	40,920	41,340	42,081
65-74	3,644	7,289	13,338	18,303	23,341	24,200	23,941	23,982	24,285	24,243	25,133	25,033	25,369
75+	1,305	3,631	7,869	12,956	22,611	23,662	25,290	25,965	26,435	27,417	28,067	27,942	28,038
Male	9,661	16,177	26,671	36,169	49,150	51,095	52,764	53,836	56,133	58,082	60,876	61,126	62,117
Female	7,676	13,681	23,088	32,532	42,900	44,207	44,589	45,744	45,658	46,643	48,175	47,972	48,058
White	12,295	20,369	33,133	44,101	61,043	63,110	64,184	65,396	67,579	69,150	72,013	71,544	72,391
African American	4,814	8,614	14,831	21,502	26,659	27,679	28,550	29,428	29,248	30,325	31,245	31,429	31,620
Native American	124	304	599	884	1,201	1,174	1,148	1,134	1,203	1,220	1,210	1,250	1,261
Asian	104	571	1,196	2,214	3,147	3,339	3,471	3,622	3,761	4,030	4,583	4,875	4,903
†Hispanic					10,723	9,919	10,542	11,090	11,483	12,138	13,426	13,706	14,158
†Non-Hispanic					81,327	85,383	86,811	88,490	90,308	92,587	95,625	95,392	96,017
Diabetes	2,590	8,511	17,708	28,459	41,108	42,753	43,011	44,040	45,150	46,141	48,342	47,904	48,303
Hypertension	3,092	8,140	15,195	18,533	24,686	25,889	26,843	28,015	28,195	28,646	29,556	30,485	31,085
Glomerulonephritis	2,725	4,992	6,913	8,116	8,433	8,388	8,468	8,167	8,302	8,016	7,889	7,462	7,350
Cystic kidney	756	1,205	1,550	1,899	2,137	2,215	2,198	2,249	2,284	2,476	2,632	2,612	2,648
Other urologic	460	1,150	1,261	1,981	2,669	2,713	2,865	2,767	2,815	2,121	1,642	1,516	1,533
Other cause	1,787	3,502	4,800	7,025	8,911	9,151	9,737	9,976	10,602	12,165	13,628	14,008	14,128
Unknown cause	1,512	1,488	1,857	2,412	3,662	3,900	3,867	3,926	3,983	4,606	4,802	4,608	4,355
Missing disease	4,415	870	475	276	444	293	364	440	460	554	560	503	773
All	17,337	29,858	49,759	68,701	92,050	95,302	97,353	99,580	101,791	104,725	109,051	109,098	110,175
Patients dropped	645	676	1,105	1,694	2,487	2,487	2,622	3,101	3,180	2,534	2,003	2,020	2,301

Incident rates of reported ESRD

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Table A.2 (continued)

Incident rates of reported ESRD*per million population, by age, gender, race, ethnicity, & primary diagnosis*

ADJUSTED	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	2.7	7.3	7.4	7.9	9.5	9.5	8.3	9.3	10.3	9.5	9.2	10.3	10.0
5-9	5.4	6.1	7.9	7.3	7.1	7.0	8.7	6.6	6.9	6.9	6.1	6.0	6.8
10-14	9.2	12.2	13.7	13.6	13.9	13.8	15.0	14.4	13.6	14.7	13.3	14.7	13.3
15-19	19.9	22.7	28.6	28.8	26.0	26.6	26.2	27.3	28.1	27.0	29.4	27.4	29.8
20-29	36.7	47.5	62.5	67.0	65.2	65.5	60.6	59.3	60.0	61.8	62.7	63.5	61.8
30-39	71.6	90.8	117.6	127.1	129.6	127.8	130.3	128.9	131.5	138.8	142.8	138.9	140.7
40-49	111.3	153.2	212.9	250.4	260.9	257.3	257.5	258.7	261.2	265.1	277.5	272.4	270.1
50-59	171.1	270.7	412.3	519.5	581.3	587.2	575.7	581.7	579.1	580.4	595.9	586.9	581.7
60-64	225.2	408.5	634.7	847.3	967.5	996.5	969.9	980.3	976.0	980.9	993.8	955.5	942.9
65-69	263.0	469.7	814.5	1,015.5	1,285.0	1,318.5	1,301.4	1,316.9	1,304.8	1,279.1	1,303.4	1,270.6	1,242.3
70-79	224.6	502.6	883.0	1,228.9	1,639.5	1,693.5	1,717.9	1,713.1	1,708.1	1,722.5	1,750.5	1,707.4	1,683.9
80-84	127.1	387.9	750.4	1,125.9	1,771.8	1,760.3	1,917.1	1,892.0	1,911.0	1,976.9	1,984.9	1,974.8	1,942.6
85+	59.6	195.8	439.6	664.9	1,190.8	1,250.2	1,316.4	1,346.5	1,348.4	1,365.8	1,363.6	1,391.0	1,388.3
0-19	9.3	12.1	14.4	14.4	14.1	14.2	14.5	14.4	14.7	14.5	14.5	14.6	15.0
20-44	62.7	81.1	108.6	118.9	119.5	118.2	117.1	116.7	118.4	124.2	128.0	126.6	126.1
45-64	173.3	281.8	425.6	545.2	611.0	620.3	608.2	613.5	611.8	613.1	627.9	611.4	605.3
65-74	254.3	496.7	850.4	1,109.7	1,406.5	1,455.1	1,448.4	1,442.2	1,442.9	1,427.9	1,455.2	1,425.5	1,392.9
75+	130.1	355.0	689.9	1,014.9	1,571.2	1,601.9	1,691.3	1,699.1	1,698.2	1,737.0	1,747.5	1,733.4	1,718.4
Male	104.7	169.7	264.3	330.5	412.1	420.8	427.2	427.5	436.7	442.5	453.9	446.2	443.5
Female	70.2	117.8	185.2	240.9	287.9	291.6	288.5	290.8	285.5	286.4	291.0	284.3	279.4
White	66.9	104.5	161.1	200.5	258.9	264.2	264.6	265.5	270.5	272.6	279.9	273.1	271.6
African American	249.0	418.9	666.0	876.9	992.1	1,011.3	1,021.2	1,029.4	998.9	1,010.7	1,017.0	1,000.4	983.3
Native American	138.4	288.8	495.2	606.7	659.3	600.1	573.8	543.4	557.4	531.2	498.3	500.5	493.3
Asian	30.3	152.2	241.3	354.0	379.1	377.7	377.6	370.9	364.1	370.7	396.1	400.7	382.5
†Hispanic					593.8	511.3	517.9	516.5	506.1	505.3	526.0	509.6	500.8
†Non-Hispanic					322.1	334.0	334.6	336.4	338.8	342.5	348.9	342.5	339.4
Diabetes	12.9	40.9	79.8	118.1	154.0	157.3	155.0	155.4	156.1	156.1	160.3	155.1	152.8
Hypertension	16.5	39.7	67.8	75.7	91.6	94.3	96.0	98.4	97.3	96.9	98.2	99.1	99.1
Glomerulonephritis	13.1	23.2	29.9	32.6	30.9	30.3	30.1	28.5	28.6	27.1	26.3	24.4	23.7
Cystic kidney	3.9	6.0	7.1	7.8	7.9	8.1	7.8	7.9	7.9	8.4	8.8	8.6	8.5
Other urologic	2.2	5.2	5.5	7.9	9.8	9.8	10.2	9.7	9.7	7.2	5.5	5.0	4.9
Other cause	8.2	15.6	20.1	27.7	32.5	32.9	34.5	34.8	36.5	41.2	45.4	45.8	45.4
Unknown cause	7.4	6.9	8.2	9.7	13.5	14.1	13.8	13.8	13.7	15.6	16.0	15.0	13.9
Missing disease	22.1	4.0	2.1	1.1	1.6	1.1	1.3	1.5	1.6	1.9	1.9	1.6	2.5
All	86.2	141.4	220.5	280.6	341.9	347.8	348.7	350.0	351.2	354.3	362.1	354.6	350.8

Table A.3

Incident rates of reported diabetic ESRD*per million population, by age, gender, race, & ethnicity*

UNADJUSTED	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	.	*	*	*	*	*	*	*	*	*	*	*	*
5-9	.	.	*	.	.	.	*	.	.	.	.	.	.
10-14	.	*	*	*	.	*	*	.	.	.	.	.	.
15-19	0.5	*	0.8	*	*	*	*	*	*	*	0.6	0.6	*
20-29	5.3	12.6	15.5	13.8	12.8	12.2	10.3	10.5	10.5	10.6	10.5	11.9	11.7
30-39	16.4	30.0	37.3	40.8	42.3	40.5	41.1	41.3	44.3	43.4	47.6	47.7	47.3
40-49	17.8	46.4	74.8	93.6	102.4	100.6	101.5	102.2	103.4	106.8	116.4	110.8	113.8
50-59	27.0	89.4	176.4	246.3	291.3	292.3	285.9	288.3	287.4	288.1	291.8	281.5	281.1
60-64	32.2	119.6	262.7	420.4	520.6	542.1	514.3	509.9	503.9	507.4	511.6	488.2	480.8
65-69	29.4	121.9	283.5	456.7	645.9	674.7	649.5	658.7	655.6	632.2	645.2	611.0	597.9
70-79	18.0	82.8	220.2	405.3	642.5	666.4	670.6	680.1	686.1	694.3	707.2	689.9	667.8
80-84	*	34.9	100.6	212.6	442.6	473.6	515.4	494.8	527.6	551.4	574.3	587.5	564.4
85+	*	6.4	35.6	77.4	187.1	207.4	217.9	231.8	238.4	232.2	258.5	259.6	270.2
0-19	0.2	0.2	0.3	0.2	0.2	*	0.2	*	*	0.2	0.2	0.2	0.2
20-44	11.0	23.4	32.8	36.8	38.5	37.6	36.2	37.3	38.1	39.1	42.5	41.7	41.6
45-64	26.3	88.2	171.1	237.3	279.8	282.8	276.9	277.1	277.6	279.0	284.8	276.3	277.3
65-74	25.7	109.6	269.3	452.7	654.2	681.4	667.0	671.1	672.2	663.3	677.5	651.1	629.0
75+	7.7	43.6	122.2	240.4	455.1	477.3	496.2	500.6	512.4	518.0	532.5	525.3	514.0
Male	12.3	36.0	67.8	102.5	146.6	152.5	154.9	157.9	164.8	168.4	175.7	174.1	175.3
Female	10.6	35.5	74.0	111.1	144.8	147.6	144.3	145.8	143.8	144.2	148.7	144.3	142.8
White	9.6	28.6	56.1	82.9	118.4	121.0	120.1	122.2	125.5	126.5	131.4	129.1	128.5
African American	24.5	83.9	168.0	253.7	311.5	327.7	330.5	334.0	329.0	336.6	345.0	335.5	336.4
Native American	35.7	109.4	193.3	261.3	298.6	278.4	270.1	267.3	274.7	255.0	244.1	250.0	249.9
Asian	*	28.0	55.4	99.9	125.2	130.0	126.2	128.3	133.3	138.4	156.6	153.9	156.9
†Hispanic					178.5	162.0	163.9	169.1	169.6	168.8	178.9	177.1	179.6
†Non-Hispanic					140.9	148.2	147.3	149.0	151.6	154.0	159.1	155.8	155.1
All	11.4	35.8	70.9	106.9	145.7	150.0	149.5	151.8	154.2	156.1	162.0	159.0	158.9
ADJUSTED													
0-4	.	*	*	*	*	*	*	*	*	*	*	*	*
5-9	.	.	*	.	.	.	*	.	.	.	.	.	.
10-14	.	*	*	*	.	*	*	.	.	.	.	.	.
15-19	0.5	*	0.8	*	*	*	*	*	*	*	0.5	0.5	*
20-29	5.3	12.4	15.0	13.4	12.7	12.1	10.4	10.5	10.6	10.5	10.3	11.5	11.3
30-39	16.1	30.2	37.5	40.8	42.0	40.1	40.9	41.2	44.1	43.1	47.1	47.0	46.4
40-49	18.9	50.2	81.8	100.5	106.7	104.3	105.0	104.9	105.7	108.4	117.5	111.5	114.0
50-59	30.6	101.0	196.2	277.8	325.2	326.4	315.7	315.7	312.2	310.5	311.8	299.5	298.8
60-64	36.9	141.7	298.6	466.5	561.4	590.2	560.6	557.0	550.1	555.1	557.9	531.4	521.2
65-69	34.1	144.7	332.8	515.9	707.2	735.7	705.2	715.8	713.1	686.7	699.4	664.3	654.8
70-79	19.2	100.1	257.6	480.5	729.8	754.5	762.7	769.7	765.9	774.7	781.4	765.5	738.0
80-84	*	52.1	128.9	276.1	540.1	566.0	626.8	587.4	628.8	649.5	675.3	682.0	654.4
85+	*	11.1	54.6	111.0	257.5	276.1	285.3	297.9	315.2	302.1	329.7	336.0	343.8
0-19	0.1	0.2	0.3	0.2	0.2	*	0.2	*	*	0.2	0.2	0.2	0.2
20-44	11.9	25.0	33.7	36.3	37.1	36.1	34.9	36.1	37.0	38.0	41.5	40.9	41.0
45-64	29.8	101.0	197.8	287.4	337.3	343.9	332.6	330.3	327.5	327.6	330.9	316.4	314.3
65-74	28.8	129.8	314.5	521.5	725.8	752.9	738.9	740.5	737.6	726.6	740.1	716.5	691.6
75+	6.1	49.5	134.2	273.7	504.3	527.0	555.0	553.2	571.2	578.2	595.7	593.4	582.0
Male	14.3	43.3	81.4	121.7	168.3	174.1	175.1	176.2	182.0	183.5	189.2	185.2	183.7
Female	11.6	38.5	77.8	114.7	142.1	143.3	138.5	138.4	135.1	133.8	136.5	130.9	127.8
White	10.3	29.7	57.5	83.9	116.6	118.6	116.7	117.6	119.8	119.7	123.4	119.8	117.8
African American	34.1	119.0	240.4	365.3	438.6	458.3	457.2	454.0	440.9	444.5	448.9	430.8	425.1
Native American	60.8	187.7	337.4	451.7	485.0	438.9	419.3	404.1	405.4	360.8	332.3	337.6	333.1
Asian	*	48.1	89.3	160.0	184.5	186.3	177.3	174.3	177.4	177.5	195.6	188.0	186.1
†Hispanic					363.8	324.0	325.6	326.9	321.6	313.0	322.3	312.5	310.4
†Non-Hispanic					138.1	144.3	141.8	141.8	142.9	143.6	147.0	142.1	139.7
All	12.9	40.9	79.8	118.1	154.0	157.3	155.0	155.4	156.1	156.1	160.3	155.1	152.8

Table A.3 (continued)

Incident rates of reported diabetic ESRD: CDC diabetic population*per million population, by age, gender, race, & ethnicity*

UNADJUSTED	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007
0-44	988	2,208	2,600	2,721	1,874	1,763	1,718	1,762	1,651	1,497	1,580	1,537
45-64	481	1,579	3,084	3,933	3,368	3,232	3,053	2,965	2,828	2,729	2,726	2,671
65-74	285	1,090	2,736	4,205	4,379	4,260	3,993	3,847	3,726	3,606	3,583	3,452
75+	97	485	1,596	2,574	3,927	3,892	3,792	3,601	3,598	3,477	3,490	3,322
Male	556	1,547	2,848	3,668	3,465	3,322	3,228	3,140	3,150	3,077	3,137	3,089
Female	392	1,226	2,535	3,459	3,381	3,314	3,113	3,029	2,786	2,596	2,565	2,454
White	406	1,130	2,198	2,974	2,980	2,848	2,660	2,575	2,474	2,384	2,424	2,395
African American	752	2,308	4,745	5,919	5,912	5,930	5,931	5,728	5,364	5,010	4,899	4,619
Other	588	3,750	4,080	3,867	2,579	2,553	2,731	2,920	3,314	2,822	2,636	2,313
†Hispanic					4,603	4,080	4,070	4,021	3,890	3,594	3,662	3,559
†Non-Hispanic					3,268	3,220	3,054	2,961	2,843	2,724	2,723	2,640
All	464	1,365	2,672	3,554	3,422	3,318	3,170	3,085	2,966	2,831	2,842	2,760
ADJUSTED												
0-44	1,014	2,276	2,761	2,859	1,920	1,775	1,700	1,743	1,633	1,449	1,526	1,478
45-64	478	1,670	3,144	3,760	3,320	3,205	3,062	2,951	2,789	2,693	2,689	2,641
65-74	326	1,208	2,865	4,469	4,501	4,352	4,106	3,953	3,861	3,647	3,621	3,464
75+	104	515	1,949	2,703	4,141	4,207	4,156	3,969	3,867	3,775	3,680	3,536
Male	536	1,624	2,925	3,739	3,610	3,467	3,378	3,255	3,240	3,171	3,213	3,154
Female	408	1,356	2,700	3,380	3,308	3,238	3,050	2,959	2,736	2,539	2,496	2,381
White	420	1,180	2,214	3,011	2,950	2,801	2,605	2,521	2,429	2,351	2,392	2,353
African American	708	2,331	4,902	5,852	6,199	6,344	6,386	6,023	5,513	5,276	5,097	4,858
Other	496	3,067	4,926	4,816	2,928	2,899	3,028	3,224	3,574	2,995	2,814	2,527
†Hispanic					4,843	4,172	4,295	4,222	4,183	3,877	3,884	3,757
†Non-Hispanic					3,261	3,209	3,029	2,924	2,810	2,708	2,707	2,619
All	472	1,484	2,809	3,554	3,443	3,340	3,196	3,089	2,969	2,831	2,836	2,744

Table A.5

Incident rates of reported ESRD, 2006–2008 combined*per million population, by age & primary diagnosis*

	Unadjusted rates					Female					Rates adjusted for:					Race		Gender & race
	Male					White Af Am N Am Asian Hisp.					Gender					White Af Am N Am Asian Hisp.	Male Female	
0-4	12	15	25	23	14	7	7	*	9	7	9	11	16	16	11	13	7	10
5-9	6	8	*	23	7	5	5	*	13	9	6	6	*	18	8	7	6	6
10-14	13	18	*	28	24	13	14	32	22	21	13	16	25	25	22	14	13	14
15-19	27	52	39	55	53	21	47	44	48	44	24	49	42	52	49	32	26	29
20-29	51	166	63	87	79	39	163	57	72	70	45	166	61	79	74	68	57	63
30-39	105	558	228	133	144	74	378	211	103	117	89	465	220	118	131	167	116	141
40-49	218	1,067	510	308	380	138	676	387	186	255	176	869	448	249	324	337	213	273
50-59	469	2,158	940	696	1,051	306	1,383	786	417	690	391	1,796	880	564	896	718	465	588
60-64	789	3,042	1,349	1,222	1,759	568	2,347	1,374	794	1,351	677	2,693	1,356	1,006	1,553	1,113	822	964
65-69	1,114	3,687	1,882	1,547	2,195	752	2,988	1,946	977	1,606	931	3,333	1,918	1,260	1,897	1,481	1,071	1,272
70-79	1,703	4,234	1,925	2,049	2,711	997	3,499	2,010	1,415	1,881	1,357	3,881	1,956	1,758	2,300	2,077	1,362	1,714
80-84	2,262	4,263	1,682	2,962	2,780	1,061	3,333	1,629	1,770	1,785	1,652	3,791	1,654	2,361	2,280	2,553	1,399	1,967
85+	1,732	3,045	961	2,261	1,723	618	2,163	548	1,407	1,052	1,166	2,595	742	1,824	1,386	1,920	858	1,381
0-19	15	24	23	32	23	12	19	22	22	19	13	21	22	28	22	17	13	15
20-44	99	452	198	135	140	69	328	169	101	113	83	400	195	116	131	150	105	127
45-64	466	1,982	875	687	947	315	1,348	765	422	665	417	1,821	900	611	937	735	500	615
65-74	1,284	3,870	1,887	1,688	2,380	837	3,180	2,023	1,097	1,723	1,074	3,547	1,963	1,410	2,072	1,676	1,182	1,425
75+	1,990	4,041	1,654	2,485	2,554	914	3,090	1,379	1,613	1,627	1,438	3,462	1,433	2,047	2,006	2,252	1,229	1,733
Diabetes	148	338	239	183	190	112	340	257	130	166	120	435	334	190	315	305	218	261
Hypertension	89	316	49	86	66	60	242	43	64	49	68	361	69	96	104	266	150	207
Glomerulonephritis	26	57	30	41	22	15	38	23	31	17	20	54	32	38	24	44	23	33
Other Cause	84	136	52	67	51	58	114	46	55	42	67	151	62	69	69			
All	348	848	370	376	330	245	734	368	280	274	296	788	369	327	303	413	315	363
All (age adjusted)	356	1,167	520	489	615	213	854	478	315	428	275	1,000	497	393	512	448	285	356



Table A.7

Incidence of reported ESRD, by primary diagnosis, 2004–2008 combined*by detailed primary diagnosis*

ROW PERCENT	Total patients	% inc.	Median age	Age 0-19	20-64	65+	Percent male	Percent White	Af Am	N Am	Asian	% Tx 1st yr	% Died 1st yr
All ESRD, (reference)	546,878	100.0	64	1.2	11.4	48.7	55.8	65.5	28.3	1.1	4.2	5.0	23.2
Diabetes	242,001	44.6	63	.	14.5	46.7	53.6	65.4	27.6	1.7	4.6	2.7	21.7
Diabetes with renal manifestations, Type 2	219,831	40.5	64	.	15.1	49.4	53.5	64.9	27.9	1.8	4.7	1.7	22.3
Diabetes with renal manifestations, Type 1	22,170	4.1	50	0.1	8.6	20.7	55.0	70.4	24.9	1.2	3.1	12.3	15.8
Glomerulonephritis	38,707	7.1	53	4.0	8.4	30.0	61.6	66.5	24.8	1.1	6.7	14.5	11.3
Glomerulonephritis (GN; histologically not examined)	14,388	2.7	58	1.9	8.4	38.3	61.5	66.9	23.2	1.1	7.6	8.8	14.4
Focal glomerulosclerosis, focal sclerosing GN	12,066	2.2	50	7.0	8.3	23.6	61.4	57.9	37.0	0.8	3.6	16.9	8.1
Membranous nephropathy	2,338	0.4	58	1.5	10.7	36.2	64.7	67.3	28.2	0.6	3.1	10.9	11.9
Membranoproliferative GN type 1, diffuse MPGN	1,643	0.3	54	4.7	9.1	25.0	60.0	74.6	18.1	1.2	5.4	16.4	12.5
Dense deposit disease, MPGN type 2	138	.	46	16.7	1.4	19.6	55.8	86.2	8.0	0.7	3.6	24.6	10.9
IgA nephropathy, Berger's (by immunofluorescence)	4,503	0.8	44	2.9	6.0	14.1	67.6	75.2	6.4	1.9	15.8	30.8	4.4
IgM nephropathy (by immunofluorescence)	368	0.1	45	3.5	6.3	20.4	61.1	71.7	11.1	2.2	13.3	29.3	5.2
With lesion of rapidly progressive GN	1,262	0.2	63	3.9	11.3	45.2	51.2	81.4	12.8	1.4	3.5	4.5	21.2
Post-infectious GN, SBE	530	0.1	59	3.0	9.1	38.1	65.3	79.2	14.0	2.5	4.0	7.2	20.9
Other proliferative GN	1,471	0.3	56	5.8	9.6	34.4	50.8	75.1	18.9	1.5	3.9	10.7	15.3
Secondary GN/vasculitis	11,735	2.2	48	6.2	7.1	24.3	33.4	62.9	30.9	1.2	4.4	7.5	17.1
Lupus erythematosus (SLE nephritis)	5,675	1.0	38	7.1	4.0	7.2	18.7	42.0	49.6	1.2	6.4	9.6	11.4
Henoch-Schonlein syndrome	112	.	43	17.9	2.7	23.2	67.9	84.8	7.1	.	8.0	28.6	12.5
Scleroderma	660	0.1	56	0.8	12.7	29.7	23.2	75.8	20.6	1.2	2.0	2.3	35.3
Hemolytic uremic syndrome	718	0.1	45	19.5	6.7	18.9	37.3	76.7	19.2	0.7	2.5	8.9	15.9
Polyarteritis	282	0.1	67	4.3	8.2	56.4	46.1	83.7	9.6	2.1	3.9	3.5	22.7
Wegener's granulomatosis	1,690	0.3	64	2.6	12.4	49.8	55.3	91.3	5.3	1.2	1.9	5.7	21.8
Nephropathy due to heroin abuse and related drugs	202	.	46	.	4.5	5.9	73.3	49.5	47.0	1.5	0.5	0.5	21.3
Other vasculitis and its derivatives	1,184	0.2	67	4.7	10.0	54.1	45.9	84.4	11.4	1.2	2.6	4.5	24.3
Goodpasture's syndrome	640	0.1	58	3.9	10.8	36.3	45.3	89.5	7.8	0.6	2.0	5.0	18.9
Secondary GN, other	572	0.1	57	3.7	8.7	35.7	55.8	70.8	23.4	0.9	3.8	5.9	20.8
Interstitial nephritis/pyelonephritis	17,339	3.2	65	2.3	11.1	51.0	58.3	82.5	13.1	0.6	3.3	7.6	23.5
Analgesic abuse	886	0.2	66	0.3	10.9	53.8	45.0	83.3	12.5	0.8	3.0	5.5	19.9
Radiation nephritis	234	.	67	0.9	16.7	54.3	45.7	88.5	10.3	.	1.3	6.4	32.1
Lead nephropathy	29	.	64	3.4	20.7	44.8	75.9	34.5	58.6	.	6.9	3.4	13.8
Nephropathy caused by other agents	2,689	0.5	63	1.4	13.5	45.4	55.0	82.6	13.8	0.5	2.6	7.2	27.3
Gouty nephropathy	236	.	64	0.4	10.2	49.2	73.7	56.4	21.6	0.4	19.5	8.1	23.3
Nephrolithiasis	908	0.2	65	1.0	12.6	50.0	54.2	82.9	9.5	0.3	6.8	6.7	18.9
Acquired obstructive uropathy	5,086	0.9	70	1.0	11.0	62.7	77.8	82.8	14.0	0.9	1.8	2.2	28.9
Chronic pyelonephritis, reflux nephropathy	1,753	0.3	46	12.3	6.0	24.2	42.1	86.3	7.6	0.8	4.7	24.8	10.0
Chronic interstitial nephritis	3,832	0.7	65	1.7	10.9	50.9	48.8	81.7	13.7	0.4	3.8	9.7	21.0
Acute interstitial nephritis	1,268	0.2	66	0.2	11.4	54.0	50.6	82.7	14.7	0.3	2.1	1.8	26.7
Urolithiasis	219	.	62	0.9	11.4	43.8	56.2	78.5	11.4	.	8.2	7.3	16.0
Other disorders of calcium metabolism	199	.	63	2.0	11.6	46.7	54.8	81.4	16.1	.	2.5	11.1	20.6
Hypertensive/large vessel disease	149,630	27.6	70	0.2	8.5	61.3	57.3	59.5	36.1	0.5	3.5	2.2	25.6
Unspecified with renal failure	139,009	25.6	69	0.2	8.6	59.5	57.5	57.1	38.4	0.5	3.7	2.2	25.0
Renal artery stenosis	6,675	1.2	76	0.1	7.3	84.7	51.0	90.5	7.5	0.3	1.6	1.2	32.7
Renal artery occlusion	1,359	0.3	74	0.4	7.4	77.3	55.4	88.9	8.5	0.5	1.8	1.3	34.4
Cholesterol emboli, renal emboli	2,587	0.5	75	.	8.2	85.6	63.7	93.7	4.1	0.3	1.6	0.6	31.5
Cystic/hereditary/congenital diseases	17,415	3.2	51	12.4	8.5	19.6	57.0	80.2	13.7	0.7	4.7	29.1	5.9
Polycystic kidneys, adult type (dominant)	12,314	2.3	54	0.2	10.6	23.2	54.2	81.1	13.5	0.5	4.4	26.0	5.6
Polycystic, infantile (recessive)	265	.	16	55.1	3.0	3.4	53.6	74.3	17.4	0.8	5.3	44.5	7.2
Medullary cystic disease, including nephronophthisis	252	.	26	39.3	2.4	12.3	45.2	83.3	6.0	1.6	7.5	50.8	4.8
Tuberous sclerosis	188	.	60	4.3	8.5	41.5	41.5	81.4	15.4	.	2.7	6.9	22.3
Hereditary nephritis, Alport's syndrome	810	0.1	37	17.3	5.6	10.2	66.3	84.3	9.1	0.5	5.2	38.0	2.1
Cystinosis	94	.	15	67.0	2.1	6.4	47.9	91.5	3.2	1.1	4.3	64.9	2.1
Primary oxalosis	56	.	40	35.7	5.4	14.3	58.9	71.4	14.3	3.6	8.9	41.1	8.9
Fabry's disease	100	.	45	.	3.0	9.0	84.0	87.0	9.0	.	4.0	36.0	6.0
Congenital nephrotic syndrome	320	0.1	26	44.1	2.8	10.9	57.2	69.7	23.8	0.6	4.7	34.7	9.7
Drash syndrome, mesangial sclerosis	70	.	58	21.4	8.6	37.1	64.3	80.0	15.7	.	1.4	11.4	22.9
Congenital obstruction of ureteropelvic junction	193	.	28	36.3	3.6	12.4	67.9	76.7	17.1	1.6	2.6	28.5	9.3
Congenital obstruction of ureterovesical junction	110	.	26	33.6	1.8	10.9	73.6	74.5	14.5	3.6	6.4	43.6	6.4
Other congenital obstructive uropathy	1,056	0.2	24	43.6	2.4	12.9	75.9	74.7	17.5	1.4	4.9	31.1	9.1
Renal hypoplasia, dysplasia, oligonephronia	997	0.2	14	71.6	1.3	5.3	60.4	74.0	14.6	1.7	7.2	40.6	4.4
Prune belly syndrome	112	.	11	74.1	.	2.7	97.3	75.9	17.9	1.8	2.7	44.6	3.6
Other (congenital malformation syndromes)	478	0.1	32	26.4	4.2	9.8	54.8	82.2	11.9	1.3	4.4	34.5	6.5

Incidence of reported ESRD, by primary diagnosis, 2004–2008 combined
by detailed primary diagnosis

	Total patients	% inc.	Median age	Age	0-19	20-64	65+	Percent male	Percent White	Percent Af Am	Percent N Am	Percent Asian	% Tx 1st yr	% Died 1st yr
ROW PERCENT														
Neoplasms/tumors	13,261	2.4	67	1.0	13.2	57.1	62.7	79.8	17.0	0.7	2.2	3.2	44.9	
Renal tumor (malignant)	2,084	0.4	69	1.8	12.0	63.8	71.0	82.7	14.6	1.0	1.5	1.3	30.9	
Urinary tract tumor (malignant)	716	0.1	73	.	10.3	73.5	83.1	84.8	12.6	0.7	1.7	0.4	51.7	
Renal tumor (benign)	84	.	70	1.2	8.3	66.7	58.3	85.7	9.5	.	3.6	3.6	16.7	
Urinary tract tumor (benign)	51	.	69	.	7.8	60.8	88.2	86.3	13.7	.	.	2.0	23.5	
Renal tumor (unspecified)	245	.	70	1.2	9.4	64.5	66.5	78.0	18.0	0.8	2.4	4.1	29.8	
Urinary tract tumor (unspecified)	141	.	73	.	12.1	70.9	77.3	80.1	14.9	0.7	0.7	0.7	47.5	
Lymphoma of kidneys	205	.	66	1.0	16.1	52.7	71.2	83.9	14.1	0.5	1.0	0.5	54.6	
Multiple myeloma	5,745	1.1	69	.	12.7	62.8	56.3	75.8	21.5	0.5	1.9	0.1	57.8	
Other immuno prolifer. neoplasms (inc. light chain neph.)	710	0.1	69	0.3	12.3	59.7	61.7	81.7	15.8	0.7	1.5	1.3	39.2	
Amyloidosis	1,343	0.2	66	0.2	15.0	53.0	57.9	81.7	15.0	0.6	2.5	2.8	41.0	
Complications of transplanted organ, unspecified	39	.	56	7.7	10.3	28.2	64.1	82.1	2.6	.	12.8	17.9	12.8	
Complications of transplanted kidney	113	.	51	4.4	6.2	18.6	63.7	71.7	12.4	0.9	14.2	27.4	15.0	
Complications of transplanted liver	913	0.2	58	2.5	16.9	23.3	62.8	86.4	8.8	0.9	3.5	17.5	25.6	
Complications of transplanted heart	557	0.1	62	4.5	19.6	39.3	76.3	82.0	14.7	0.9	2.3	13.3	28.4	
Complications of transplanted lung	153	.	57	1.3	19.6	21.6	51.6	90.2	6.5	.	3.3	17.6	32.7	
Complications of transplanted bone marrow	85	.	45	20.0	14.1	9.4	65.9	84.7	11.8	.	3.5	14.1	37.6	
Complications of transplanted pancreas	43	.	58	4.7	18.6	23.3	65.1	69.8	16.3	2.3	9.3	11.6	27.9	
Complications of transplanted intestine	*	.	48	13	.	13	38	88	13	.	.	25	13	
Complications of other specified transplanted organ	26	.	55	23.1	3.8	26.9	80.8	76.9	7.7	.	15.4	23.1	26.9	
Miscellaneous conditions	29,489	5.4	62	1.5	9.6	45.1	60.6	69.7	27.1	0.6	2.2	4.6	36.5	
Sickle cell disease/anemia	500	0.1	42	3.0	2.6	4.0	52.6	2.4	96.6	.	0.6	1.8	29.0	
Sickle cell trait and other sickle cell (HbS/Hb other)	28	.	50	3.6	7.1	14.3	46.4	.	100.0	.	.	.	21.4	
Post-partum renal failure	102	.	30	9.8	1.0	1.0	3.9	59.8	35.3	.	3.9	8.8	3.9	
AIDS nephropathy	4,107	0.8	44	1.0	3.0	3.0	66.1	11.4	87.1	0.3	0.3	0.2	29.1	
Traumatic or surgical loss of kidney(s)	588	0.1	65	2.9	12.4	50.9	63.8	82.8	13.9	0.5	2.0	5.4	20.1	
Hepatorenal syndrome	2,419	0.4	56	0.2	14.1	21.2	67.0	81.6	12.4	1.9	3.6	20.5	59.0	
Tubular necrosis (no recovery)	14,454	2.7	68	0.9	10.7	58.4	58.2	81.6	15.6	0.5	1.9	0.8	38.1	
Other renal disorders	7,291	1.3	66	2.9	9.8	53.3	61.3	78.8	16.9	0.6	3.4	9.5	32.3	
Etiology uncertain	22,676	4.2	66	2.9	8.6	52.9	58.4	72.4	21.3	0.8	4.8	5.6	29.1	
Missing	4,625	0.9	60	4.1	11.0	41.0	57.5	41.4	21.2	1.4	6.3	32.6	29.1	

Table A.7 (continued)

Incidence of reported ESRD, by primary diagnosis, 2004-2008 combined*by detailed primary diagnosis*

COLUMN PERCENT	Total	Counts				Percent			
	patients	White	Af Am	N Am	Asian	White	Af Am	N Am	Asian
All ESRD, (reference)	546,878	358,215	154,830	6,208	23,108	100.0	100.0	100.0	100.0
Diabetes	242,001	158,375	66,819	4,208	11,075	44.5	43.4	68.5	48.5
Diabetes with renal manifestations, Type 2	219,831	142,770	61,306	3,935	10,394	40.1	39.8	64.1	45.6
Diabetes with renal manifestations, Type 1	22,170	15,605	5,513	273	681	4.4	3.6	4.4	3.0
Glomerulonephritis	38,707	25,729	9,618	428	2,575	7.2	6.3	7.0	11.3
Glomerulonephritis (GN; histologically not examined)	14,388	9,627	3,344	157	1,088	2.7	2.2	2.6	4.8
Focal glomerulosclerosis, focal sclerosing GN	12,066	6,984	4,465	93	439	2.0	2.9	1.5	1.9
Membranous nephropathy	2,338	1,573	659	13	73	0.4	0.4	0.2	0.3
Membranoproliferative GN type 1, diffuse MPGN	1,643	1,225	298	19	89	0.3	0.2	0.3	0.4
Dense deposit disease, MPGN type 2	138	119	11	*	*	.	.	.	.
IgA nephropathy, Berger's (by immunofluorescence)	4,503	3,386	286	84	710	1.0	0.2	1.4	3.1
IgM nephropathy (by immunofluorescence)	368	264	41	*	49	0.1	.	0.1	0.2
With lesion of rapidly progressive GN	1,262	1,027	162	18	44	0.3	0.1	0.3	0.2
Post-infectious GN, SBE	530	420	74	13	21	0.1	.	0.2	0.1
Other proliferative GN	1,471	1,104	278	22	57	0.3	0.2	0.4	0.2
Secondary GN/vasculitis	11,735	7,384	3,625	135	511	2.1	2.4	2.2	2.2
Lupus erythematosus (SLE nephritis)	5,675	2,382	2,812	69	361	0.7	1.8	1.1	1.6
Henoch-Schonlein syndrome	112	95	*	.	*	.	.	.	.
Scleroderma	660	500	136	*	13	0.1	0.1	0.1	0.1
Hemolytic uremic syndrome	718	551	138	*	18	0.2	0.1	0.1	0.1
Polyarteritis	282	236	27	*	11	0.1	.	0.1	.
Wegener's granulomatosis	1,690	1,543	90	21	32	0.4	0.1	0.3	0.1
Nephropathy due to heroin abuse and related drugs	202	100	95	*	*	.	0.1	.	.
Other vasculitis and its derivatives	1,184	999	135	14	31	0.3	0.1	0.2	0.1
Goodpasture's syndrome	640	573	50	*	13	0.2	.	0.1	0.1
Secondary GN, other	572	405	134	*	22	0.1	0.1	0.1	0.1
Interstitial nephritis/pyelonephritis	17,339	14,297	2,271	103	578	4.0	1.5	1.7	2.5
Analgesic abuse	886	738	111	*	27	0.2	0.1	0.1	0.1
Radiation nephritis	234	207	24	.	*	0.1	.	.	.
Lead nephropathy	29	*	17	.	*	.	.	.	.
Nephropathy caused by other agents	2,689	2,221	370	14	71	0.6	0.2	0.2	0.3
Gouty nephropathy	236	133	51	*	46	.	.	.	0.2
Nephrolithiasis	908	753	86	*	62	0.2	0.1	.	0.3
Acquired obstructive uropathy	5,086	4,210	712	44	90	1.2	0.5	0.7	0.4
Chronic pyelonephritis, reflux nephropathy	1,753	1,512	133	14	82	0.4	0.1	0.2	0.4
Chronic interstitial nephritis	3,832	3,130	524	16	146	0.9	0.3	0.3	0.6
Acute interstitial nephritis	1,268	1,049	186	*	26	0.3	0.1	0.1	0.1
Urolithiasis	219	172	25	.	18	.	.	.	0.1
Other disorders of calcium metabolism	199	162	32	.	*	.	.	.	.
Hypertensive/large vessel disease	149,630	89,012	54,046	700	5,247	25.0	35.1	11.4	23.0
Unspecified with renal failure	139,009	79,338	53,323	662	5,077	22.3	34.7	10.8	22.3
Renal artery stenosis	6,675	6,041	500	23	104	1.7	0.3	0.4	0.5
Renal artery occlusion	1,359	1,208	116	*	24	0.3	0.1	0.1	0.1
Cholesterol emboli, renal emboli	2,587	2,425	107	*	42	0.7	0.1	0.1	0.2
Cystic/hereditary/congenital diseases	17,415	13,960	2,393	124	813	3.9	1.6	2.0	3.6
Polycystic kidneys, adult type (dominant)	12,314	9,990	1,665	62	544	2.8	1.1	1.0	2.4
Polycystic, infantile (recessive)	265	197	46	*	14	0.1	.	.	0.1
Medullary cystic disease, including nephronophthisis	252	210	15	*	19	0.1	.	0.1	0.1
Tuberous sclerosis	188	153	29	.	*	.	.	.	.
Hereditary nephritis, Alport's syndrome	810	683	74	*	42	0.2	.	0.1	0.2
Cystinosis	94	86	*	*	*	.	.	.	.
Primary oxalosis	56	40	*	*	*	.	.	.	.
Fabry's disease	100	87	*	.	*	.	.	.	.
Congenital nephrotic syndrome	320	223	76	*	15	0.1	.	.	0.1
Drash syndrome, mesangial sclerosis	70	56	11	.	*	.	.	.	.
Congenital obstruction of ureteropelvic junction	193	148	33	*	*	.	.	.	.
Congenital obstruction of uretrovesical junction	110	82	16	*	*	.	.	0.1	.
Other congenital obstructive uropathy	1,056	789	185	15	52	0.2	0.1	0.2	0.2
Renal hypoplasia, dysplasia, oligonephronia	997	738	146	17	72	0.2	0.1	0.3	0.3
Prune belly syndrome	112	85	20	*	*	.	.	.	.
Other (congenital malformation syndromes)	478	393	57	*	21	0.1	.	0.1	0.1

Incidence of reported ESRD, by primary diagnosis, 2004-2008 combined
by detailed primary diagnosis



Table B.1

Point prevalent counts of reported ESRD: all patients*patients alive on December 31 of each year, by age, gender, race, ethnicity, & primary diagnosis*

	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	73	284	342	409	476	484	487	483	535	555	536	586	600
5-9	227	426	712	814	897	927	945	972	1,002	1,016	1,021	1,013	1,032
10-14	579	861	1,166	1,539	1,791	1,822	1,923	1,892	1,886	1,873	1,914	1,876	1,901
15-19	1,556	1,979	2,394	2,868	3,310	3,389	3,465	3,636	3,783	3,914	3,983	4,104	4,074
20-29	6,748	10,652	13,688	15,619	16,771	16,789	16,758	16,843	17,112	17,444	17,780	18,134	18,596
30-39	9,314	18,493	28,133	37,190	41,620	42,053	42,441	42,620	42,621	42,965	43,405	43,684	43,854
40-49	9,862	18,068	32,232	52,541	69,089	71,549	73,785	75,953	78,206	79,787	81,944	83,188	84,710
50-59	13,038	21,656	33,458	53,594	82,736	89,046	94,424	100,000	106,223	113,252	118,899	123,554	128,249
60-64	6,253	12,589	19,828	29,106	40,418	42,862	45,946	49,144	51,955	54,687	58,669	63,654	68,399
65-69	5,573	11,022	20,080	30,844	40,336	42,531	44,273	46,282	48,393	50,396	53,400	56,858	60,262
70-79	5,930	14,038	26,965	47,756	68,269	71,155	74,239	76,589	79,029	81,443	84,374	87,235	90,223
80-84	683	2,256	5,542	10,859	17,983	19,678	21,515	23,058	24,331	25,516	26,339	27,276	28,201
85+	191	745	2,091	4,648	8,869	9,805	10,797	11,880	13,055	14,261	15,500	16,582	17,879
Unknown	*	14	*	*	.	*	*	*	*	*	*	*	*
0-19	2,435	3,550	4,614	5,630	6,474	6,622	6,820	6,983	7,206	7,358	7,454	7,579	7,607
20-44	20,811	38,022	58,502	77,768	89,857	91,243	92,189	93,137	94,268	95,486	96,887	97,955	98,840
45-64	24,404	43,436	68,837	110,282	160,777	171,056	181,165	191,423	201,849	212,649	223,810	234,259	244,968
65-74	9,490	19,589	36,101	58,878	77,896	81,591	84,802	87,987	91,509	94,735	99,733	105,075	110,619
75+	2,887	8,472	18,577	35,229	57,561	61,578	66,022	69,822	73,299	76,881	79,880	82,876	85,946
Unknown	*	14	*	*	.	*	*	*	*	*	*	*	*
Male	33,216	61,950	100,805	155,086	214,723	226,205	237,768	248,497	260,048	271,755	284,610	296,824	309,210
Female	26,815	51,125	85,818	132,700	177,841	185,885	193,230	200,853	208,084	215,354	223,157	230,920	238,762
Unknown	*	*	12	*	*	*	*	*	*	*	*	*	*
White	41,752	75,846	121,002	179,035	240,605	252,689	263,768	274,312	285,909	297,518	310,264	321,885	333,500
African American	16,562	33,535	57,944	93,249	126,742	132,229	138,121	143,818	148,618	154,314	160,666	167,138	173,652
Native American	376	1,100	2,197	3,809	5,411	5,705	5,899	6,063	6,317	6,540	6,796	7,099	7,290
Asian	418	1,907	4,805	10,019	15,764	17,007	18,267	19,496	20,762	22,095	23,920	25,888	27,945
Other/unknown	925	695	687	1,676	4,043	4,461	4,944	5,664	6,527	6,644	6,122	5,736	5,595
†Hispanic					48,016	51,726	55,737	59,858	64,062	68,084	72,697	77,675	82,613
†Non-Hispanic					344,549	360,365	375,262	389,495	404,071	419,027	435,071	450,071	465,369
Diabetes	5,768	20,942	47,978	90,440	139,414	148,429	156,573	164,371	172,471	180,243	188,901	197,286	205,724
Hypertension	9,592	25,630	47,904	74,974	96,161	100,630	105,209	110,178	114,592	118,779	123,159	128,278	133,537
Glomerulonephritis	13,656	26,949	40,576	55,757	69,226	71,303	73,381	75,083	77,155	78,818	80,438	81,751	83,268
Cystic kidney	3,670	6,890	10,079	14,044	18,115	18,911	19,725	20,602	21,488	22,543	23,727	24,837	26,094
Other urologic	1,631	4,214	6,248	8,482	11,898	12,442	13,015	13,435	13,769	13,571	13,383	13,121	13,065
Other cause	6,683	14,375	21,673	30,790	39,970	41,619	43,396	44,980	46,950	50,008	53,497	56,626	59,288
Unknown cause	6,117	7,498	8,543	10,498	14,379	15,254	16,035	16,763	17,429	18,481	19,651	20,580	21,188
Missing disease	12,916	6,585	3,634	2,803	3,402	3,503	3,665	3,941	4,279	4,668	5,012	5,267	5,818
U.S.	59,102	111,116	183,079	283,121	386,974	406,332	424,999	443,019	461,346	479,952	500,095	519,637	539,316
U.S. territories	37	69	168	346	566	596	653	679	706	713	765	824	888
Puerto Rico	619	1,351	2,191	3,175	3,956	4,099	4,260	4,411	4,622	4,796	5,086	5,343	5,603
Foreign	42	84	148	279	339	339	348	348	355	342	332	317	289
Unknown	233	463	1,049	867	730	725	739	896	1,104	1,308	1,490	1,625	1,886
All	60,033	113,083	186,635	287,788	392,565	412,091	430,999	449,353	468,133	487,111	507,768	527,746	547,982
Total lost-to-followup	3,227	3,690	4,731	6,003	8,313	9,046	9,744	10,648	11,540	12,603	13,913	15,393	17,285
Recovery of renal function	127	644	2,197	4,854	8,454	9,515	10,734	12,030	13,562	15,236	17,009	19,129	21,213
All with lost-to-followup & recovery of renal function	63,387	117,417	193,563	298,645	409,332	430,652	451,477	472,031	493,235	514,950	538,690	562,268	586,480

Table B.1 (continued)

Point prevalent counts of reported ESRD patients: U.S. only, with unknowns dropped*patients alive on December 31 of each year, by age, gender, race, ethnicity, & primary diagnosis*

	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	66	274	331	397	460	463	457	448	491	510	501	551	565
5-9	220	415	693	789	866	887	911	933	952	967	964	952	957
10-14	565	842	1,138	1,496	1,743	1,775	1,863	1,815	1,795	1,774	1,802	1,769	1,809
15-19	1,517	1,944	2,323	2,785	3,218	3,291	3,341	3,503	3,630	3,744	3,822	3,933	3,885
20-29	6,587	10,435	13,382	15,283	16,297	16,301	16,212	16,230	16,405	16,691	17,051	17,454	17,910
30-39	9,022	18,058	27,497	36,473	40,694	41,052	41,348	41,398	41,284	41,615	42,058	42,305	42,504
40-49	9,547	17,592	31,383	51,403	67,620	70,020	72,191	74,208	76,281	77,769	79,904	81,162	82,614
50-59	12,657	21,105	32,595	52,205	80,585	86,760	92,008	97,344	103,319	110,279	115,980	120,673	125,329
60-64	6,082	12,353	19,380	28,370	39,322	41,690	44,709	47,782	50,478	53,164	57,104	62,001	66,671
65-69	5,402	10,812	19,774	30,282	39,392	41,533	43,220	45,155	47,164	49,091	52,126	55,549	58,879
70-79	5,745	13,777	26,593	47,128	67,104	69,888	72,867	75,106	77,456	79,881	82,807	85,639	88,551
80-84	661	2,208	5,461	10,711	17,769	19,443	21,254	22,758	24,003	25,165	25,965	26,906	27,824
85+	187	716	2,059	4,592	8,754	9,682	10,657	11,736	12,883	14,094	15,321	16,396	17,668
0-19	2,368	3,475	4,485	5,467	6,287	6,416	6,572	6,699	6,868	6,995	7,089	7,205	7,216
20-44	20,212	37,113	57,142	76,188	87,827	89,085	89,831	90,507	91,339	92,464	93,906	95,003	95,870
45-64	23,683	42,430	67,095	107,546	156,691	166,738	176,637	186,455	196,428	207,054	218,191	228,592	239,158
65-74	9,205	19,221	35,577	57,920	76,241	79,848	82,909	85,982	89,338	92,509	97,513	102,788	108,212
75+	2,790	8,292	18,310	34,793	56,778	60,698	65,089	68,773	72,168	75,722	78,706	81,702	84,710
Male	32,181	60,462	98,438	151,624	209,491	220,602	231,713	241,846	252,795	264,255	277,124	289,274	301,436
Female	26,077	50,069	84,171	130,290	174,333	182,183	189,325	196,570	203,346	210,489	218,281	226,016	233,730
White	41,051	74,423	118,535	175,868	237,068	249,024	259,991	270,329	281,787	293,187	305,595	316,938	328,250
African American	16,432	33,203	57,368	92,640	126,137	131,621	137,489	143,173	147,944	153,593	159,857	166,249	172,719
Native American	374	1,085	2,175	3,787	5,393	5,688	5,882	6,044	6,300	6,519	6,757	7,045	7,220
Asian	401	1,820	4,531	9,619	15,226	16,452	17,676	18,870	20,110	21,445	23,196	25,058	26,977
†Hispanic					42,417	45,656	49,139	52,616	56,211	60,035	64,718	69,698	74,583
†Non-Hispanic					341,407	357,129	371,899	385,800	399,930	414,709	430,687	445,592	460,583
Diabetes	5,580	20,530	46,943	88,528	135,995	144,742	152,617	159,986	167,749	175,464	184,261	192,645	201,003
Hypertension	9,425	25,258	47,246	73,927	94,728	99,098	103,542	108,321	112,558	116,707	121,140	126,299	131,585
Glomerulonephritis	13,359	26,354	39,704	54,615	67,650	69,653	71,622	73,229	75,165	76,795	78,421	79,745	81,253
Cystic kidney	3,625	6,816	9,969	13,854	17,856	18,635	19,434	20,284	21,129	22,172	23,353	24,456	25,713
Other urologic	1,586	4,111	6,087	8,288	11,652	12,183	12,739	13,163	13,493	13,287	13,088	12,830	12,776
Other cause	6,576	14,212	21,429	30,376	39,375	40,971	42,687	44,245	46,129	49,172	52,654	55,763	58,411
Unknown cause	5,852	7,143	8,212	10,120	13,868	14,698	15,454	16,119	16,722	17,793	18,986	19,933	20,556
Missing disease	12,255	6,107	3,019	2,206	2,700	2,805	2,943	3,069	3,196	3,354	3,502	3,619	3,869
All	58,258	110,531	182,609	281,914	383,824	402,785	421,038	438,416	456,141	474,744	495,405	515,290	535,166
Patients dropped	1,775	2,552	4,026	5,874	8,741	9,306	9,961	10,937	11,992	12,367	12,363	12,456	12,816



Table B.2

Point prevalent rates of reported ESRD*patients alive on December 31 of each year, per million population, by age, gender, race, ethnicity, & primary diagnosis*

UNADJUSTED	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	4.0	15.3	17.4	20.3	23.9	23.8	23.3	22.5	24.3	25.0	24.3	26.4	26.7
5-9	13.2	24.6	38.1	40.2	42.6	44.1	45.9	47.5	48.7	49.4	48.8	47.7	47.4
10-14	31.1	50.3	65.1	77.4	84.0	84.6	88.1	85.9	85.6	85.7	88.2	87.7	90.7
15-19	72.4	103.6	132.6	149.4	158.7	161.9	163.8	170.4	174.2	177.3	179.1	183.1	180.3
20-29	160.4	243.9	332.1	403.7	422.6	418.9	411.9	406.8	405.3	406.2	409.2	414.0	420.1
30-39	279.0	470.8	648.5	814.2	944.3	959.3	977.8	993.8	1,004.6	1,021.7	1,036.3	1,042.5	1,046.8
40-49	411.3	677.0	973.1	1,331.4	1,567.3	1,596.0	1,624.2	1,652.9	1,688.6	1,720.3	1,776.1	1,819.7	1,870.2
50-59	544.4	959.3	1,481.9	2,059.0	2,521.1	2,614.4	2,685.4	2,753.3	2,819.8	2,902.7	2,976.8	3,042.1	3,095.8
60-64	597.8	1,135.1	1,826.0	2,802.4	3,581.1	3,688.6	3,787.5	3,870.4	3,947.3	4,036.1	4,103.4	4,191.5	4,325.5
65-69	608.4	1,144.9	1,965.9	3,037.2	4,135.9	4,346.1	4,473.1	4,584.6	4,697.1	4,790.1	4,934.2	5,025.5	5,056.7
70-79	487.1	1,049.0	1,852.6	3,005.5	4,126.7	4,315.8	4,522.1	4,692.2	4,860.9	5,013.1	5,192.9	5,351.8	5,501.1
80-84	220.1	643.5	1,368.1	2,345.2	3,506.8	3,718.3	3,962.2	4,146.3	4,287.3	4,448.8	4,559.4	4,693.8	4,824.3
85+	81.0	264.7	659.0	1,228.5	2,011.6	2,160.0	2,301.0	2,454.1	2,601.2	2,726.7	2,838.2	2,918.2	3,033.1
0-19	32.7	49.4	62.1	70.9	78.0	79.4	81.1	82.4	84.3	85.6	86.3	87.4	87.1
20-44	236.6	389.1	565.9	738.6	841.7	851.7	858.9	865.8	874.2	885.5	899.2	909.4	917.3
45-64	530.9	950.8	1,440.2	2,006.6	2,471.1	2,546.6	2,614.0	2,678.2	2,739.6	2,806.9	2,883.0	2,956.1	3,035.4
65-74	583.3	1,130.8	1,954.9	3,073.5	4,155.7	4,362.6	4,526.6	4,670.2	4,814.5	4,926.6	5,094.1	5,205.4	5,278.8
75+	273.4	707.9	1,373.5	2,302.5	3,367.9	3,537.5	3,728.8	3,881.9	4,015.8	4,153.6	4,263.4	4,378.5	4,497.8
Male	289.9	519.9	803.2	1,157.3	1,504.8	1,568.2	1,631.8	1,687.2	1,746.3	1,807.4	1,876.2	1,938.9	2,000.9
Female	222.1	408.0	653.8	952.2	1,207.4	1,250.3	1,288.2	1,326.3	1,360.5	1,396.2	1,434.9	1,472.6	1,510.0
White	209.5	367.1	563.2	794.3	1,023.8	1,066.8	1,105.6	1,141.2	1,180.6	1,219.1	1,260.6	1,297.2	1,333.5
African American	609.0	1,154.7	1,852.4	2,714.2	3,413.6	3,519.8	3,637.4	3,746.9	3,827.2	3,926.4	4,035.2	4,143.8	4,252.9
Native American	255.7	619.6	1,039.3	1,521.9	1,799.3	1,864.7	1,896.2	1,915.9	1,962.4	1,994.8	2,029.9	2,077.5	2,091.1
Asian	99.9	314.2	584.4	980.1	1,259.5	1,315.1	1,369.0	1,419.2	1,469.9	1,523.9	1,604.1	1,688.3	1,772.4
†Hispanic					1,167.0	1,209.5	1,256.4	1,300.7	1,343.9	1,387.9	1,446.9	1,508.4	1,564.3
†Non-Hispanic					1,380.8	1,436.4	1,488.4	1,536.4	1,584.5	1,634.6	1,688.3	1,737.4	1,786.8
Diabetes	24.4	85.9	186.8	330.5	479.5	505.4	528.1	548.7	570.1	590.9	614.6	636.5	658.1
Hypertension	41.3	105.7	188.0	276.0	334.0	346.0	358.3	371.5	382.6	393.0	404.0	417.3	430.8
Glomerulonephritis	58.5	110.3	158.0	203.9	238.5	243.2	247.9	251.2	255.5	258.6	261.6	263.5	266.0
Cystic kidney	15.9	28.5	39.7	51.7	63.0	65.1	67.3	69.6	71.8	74.7	77.9	80.8	84.2
Other urologic	6.9	17.2	24.2	30.9	41.1	42.5	44.1	45.2	45.9	44.7	43.7	42.4	41.8
Other cause	28.8	59.5	85.3	113.4	138.8	143.1	147.7	151.8	156.8	165.6	175.6	184.2	191.2
Unknown cause	25.6	29.9	32.7	37.8	48.9	51.3	53.5	55.3	56.8	59.9	63.3	65.9	67.3
Missing disease	53.7	25.6	12.0	8.2	9.5	9.8	10.2	10.5	10.9	11.3	11.7	12.0	12.7
All	255	462	727	1,053	1,353	1,406	1,457	1,504	1,550	1,599	1,652	1,702	1,752

Table B.2 (continued)

Point prevalent rates of reported ESRD

patients alive on December 31 of each year, per million population, by age, gender, race, ethnicity, & primary diagnosis

ADJUSTED	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	3.9	14.9	17.2	19.9	23.6	23.7	23.0	22.2	24.0	24.7	24.0	25.8	26.4
5-9	12.9	24.4	37.3	39.7	41.9	43.7	45.6	47.1	48.4	49.0	48.5	47.0	46.6
10-14	30.6	49.9	64.4	76.3	82.8	82.9	86.4	84.6	84.4	84.6	87.0	86.9	89.9
15-19	71.1	102.1	130.5	146.6	155.4	158.7	160.5	166.7	170.1	172.9	174.5	178.7	176.9
20-29	161.4	242.5	326.4	394.2	415.6	414.0	407.9	402.0	398.9	397.9	399.1	402.4	407.3
30-39	293.5	489.2	664.7	819.6	936.7	951.8	970.2	985.6	994.9	1,009.6	1,020.9	1,024.9	1,028.2
40-49	439.2	735.3	1,059.9	1,415.6	1,623.4	1,646.0	1,668.3	1,690.8	1,720.0	1,744.3	1,794.2	1,832.3	1,877.0
50-59	599.7	1,065.9	1,649.4	2,301.7	2,799.7	2,888.7	2,943.3	2,997.0	3,052.5	3,121.5	3,184.1	3,239.3	3,284.0
60-64	668.1	1,315.1	2,096.7	3,148.1	3,962.9	4,090.1	4,215.0	4,319.3	4,396.3	4,487.8	4,561.5	4,649.0	4,770.6
65-69	667.4	1,326.4	2,301.3	3,501.4	4,638.6	4,845.2	4,970.5	5,090.1	5,212.4	5,317.8	5,486.7	5,605.9	5,665.2
70-79	533.6	1,222.8	2,216.6	3,647.6	4,866.2	5,051.8	5,267.5	5,434.4	5,589.5	5,727.7	5,896.6	6,060.5	6,210.6
80-84	267.8	825.2	1,756.0	3,039.5	4,408.7	4,615.8	4,907.3	5,112.0	5,213.8	5,354.7	5,455.3	5,596.9	5,741.0
85+	101.5	373.8	942.6	1,751.4	2,762.9	2,936.3	3,081.8	3,248.5	3,383.7	3,520.6	3,644.6	3,734.4	3,853.5
0-19	29.6	47.8	62.3	70.6	75.9	77.2	78.9	80.1	81.7	82.8	83.5	84.6	85.0
20-44	263.0	422.7	585.1	731.8	816.7	827.2	835.7	843.9	853.6	866.7	882.4	895.4	906.8
45-64	585.1	1,066.9	1,643.0	2,337.8	2,857.5	2,938.8	3,003.9	3,062.6	3,115.2	3,175.2	3,236.5	3,292.5	3,357.4
65-74	642.0	1,312.4	2,311.4	3,638.3	4,745.0	4,950.6	5,123.0	5,270.5	5,414.3	5,520.6	5,701.5	5,837.4	5,940.9
75+	273.3	782.1	1,603.5	2,770.4	4,017.6	4,200.0	4,416.2	4,592.8	4,720.0	4,869.1	4,992.3	5,127.8	5,266.4
Male	343.3	619.1	949.9	1,344.8	1,691.6	1,749.8	1,804.8	1,849.3	1,895.5	1,942.6	1,996.3	2,041.2	2,084.6
Female	241.4	436.2	685.6	975.7	1,190.8	1,222.7	1,247.3	1,272.0	1,292.5	1,314.0	1,337.6	1,359.0	1,379.5
White	223.4	384.0	579.5	804.3	1,014.0	1,051.0	1,081.8	1,109.2	1,139.6	1,168.5	1,199.2	1,223.7	1,247.5
African American	845.0	1,596.9	2,549.4	3,710.0	4,520.2	4,622.2	4,730.5	4,824.2	4,872.7	4,943.2	5,028.6	5,116.9	5,204.5
Native American	378.5	962.1	1,663.1	2,449.4	2,751.3	2,788.5	2,771.1	2,744.5	2,750.8	2,728.5	2,720.9	2,726.7	2,700.4
Asian	113.2	417.5	808.7	1,349.7	1,645.7	1,686.4	1,728.1	1,759.8	1,785.7	1,817.8	1,874.4	1,932.5	1,991.9
†Hispanic					2,068.6	2,116.6	2,170.9	2,213.0	2,251.9	2,289.9	2,347.6	2,407.1	2,458.3
†Non-Hispanic					1,361.1	1,405.6	1,444.2	1,478.5	1,512.4	1,547.2	1,584.2	1,615.4	1,646.6
Diabetes	28.0	98.2	210.6	365.2	508.3	530.6	548.0	562.4	577.2	590.9	606.7	619.6	631.9
Hypertension	51.4	126.9	217.3	306.6	352.9	361.9	370.5	380.0	386.9	393.0	399.5	407.8	416.1
Glomerulonephritis	63.8	121.0	171.0	216.8	246.3	249.5	252.7	254.5	257.2	258.6	259.9	260.3	261.3
Cystic kidney	18.2	33.1	45.7	57.9	66.9	68.3	69.7	71.2	72.7	74.7	77.0	79.0	81.4
Other urologic	7.3	18.4	25.7	32.4	42.1	43.4	44.8	45.6	46.1	44.7	43.4	42.0	41.2
Other cause	29.8	61.9	88.4	116.9	141.3	145.2	149.4	153.0	157.4	165.6	174.8	182.6	188.6
Unknown cause	29.5	33.7	36.2	40.7	50.8	52.9	54.7	56.1	57.3	59.9	62.9	64.8	65.8
Missing disease	61.5	28.8	13.2	8.8	9.8	10.1	10.4	10.7	10.9	11.3	11.6	11.8	12.3
All	290	522	808	1,145	1,418	1,462	1,500	1,534	1,566	1,599	1,636	1,668	1,699



Table B.3

Point prevalent rates of reported diabetic ESRD*patients alive on December 31 of each year, per million population, by age, gender, race, & ethnicity*

UNADJUSTED	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	0.1	0.5	0.8	0.3	0.4	0.2	0.2	0.1	0.1	0.1	0.3	0.3	0.5
5-9	0.1	0.2	0.2	0.1	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1
10-14	0.1	0.2	0.3	0.5	0.2	0.1	0.1	0.1	0.1	.	0.2	0.2	0.3
15-19	0.8	1.2	1.4	1.6	1.4	1.2	1.1	1.0	0.7	0.8	0.8	0.7	0.7
20-29	11.1	28.2	41.0	40.1	33.8	32.9	30.0	28.0	26.9	25.9	25.4	26.8	28.1
30-39	37.7	100.5	155.4	198.1	212.1	208.7	207.3	207.3	209.5	209.0	211.0	212.0	212.6
40-49	42.7	128.7	248.1	382.9	459.8	471.1	479.7	490.4	500.9	509.3	530.9	543.6	563.5
50-59	56.2	208.7	452.7	761.8	1,017.6	1,056.4	1,090.5	1,117.1	1,143.6	1,183.5	1,209.5	1,230.3	1,247.5
60-64	66.9	261.8	624.7	1,192.4	1,713.6	1,796.6	1,848.7	1,873.8	1,905.8	1,950.3	1,976.0	2,011.9	2,074.8
65-69	56.9	243.0	625.0	1,276.6	2,019.1	2,151.3	2,219.4	2,291.0	2,354.4	2,385.9	2,458.3	2,494.6	2,493.7
70-79	31.2	161.0	469.5	1,035.1	1,728.7	1,847.1	1,959.9	2,063.5	2,164.9	2,255.6	2,348.3	2,427.5	2,495.4
80-84	9.0	59.5	207.7	498.1	1,029.4	1,144.2	1,264.5	1,342.9	1,425.5	1,490.8	1,567.0	1,650.7	1,728.0
85+	2.2	12.2	67.5	183.8	407.0	449.5	502.4	543.5	608.4	650.1	698.2	747.7	789.0
0-19	0.3	0.5	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.3	0.3	0.4
20-44	25.4	70.7	121.8	165.2	180.3	180.9	179.5	179.5	181.4	181.9	184.5	186.5	188.5
45-64	55.7	204.0	440.6	737.5	990.6	1,028.2	1,060.8	1,086.4	1,110.8	1,142.3	1,174.1	1,203.4	1,237.6
65-74	48.0	217.9	591.1	1,227.2	1,947.7	2,076.0	2,168.4	2,258.4	2,346.4	2,408.5	2,496.6	2,543.9	2,566.1
75+	14.4	80.4	248.2	582.0	1,103.0	1,193.0	1,284.3	1,354.0	1,424.0	1,478.9	1,534.0	1,599.7	1,654.7
Male	26.5	87.8	182.4	322.8	486.2	517.5	547.0	573.4	602.6	631.7	663.3	692.9	721.8
Female	22.5	84.1	191.0	337.9	473.1	493.7	510.0	524.9	538.7	551.3	567.2	581.6	596.0
White	20.2	67.2	143.4	247.5	362.3	383.5	400.9	417.1	435.3	451.7	469.8	487.0	502.8
African American	56.2	213.7	471.0	842.8	1,183.6	1,233.2	1,287.2	1,332.1	1,368.3	1,410.1	1,458.3	1,500.8	1,547.4
Native American	69.7	278.7	572.0	918.3	1,149.4	1,195.9	1,217.0	1,237.2	1,269.9	1,284.0	1,293.6	1,313.5	1,316.6
Asian	3.0	47.7	126.5	274.3	406.4	437.4	458.4	479.9	504.0	531.6	573.2	606.7	647.7
†Hispanic					556.0	582.5	609.5	635.0	659.9	679.1	709.2	741.2	773.6
†Non-Hispanic					468.3	493.7	515.4	534.8	555.3	575.8	598.0	617.6	636.7
All	24.4	85.9	186.8	330.5	479.5	505.4	528.1	548.7	570.1	590.9	614.6	636.5	658.1
ADJUSTED													
0-4	0.1	0.5	0.8	0.3	0.3	0.2	0.1	0.0	0.0	0.1	0.3	0.3	0.5
5-9	0.1	0.2	0.2	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.0	0.0
10-14	0.1	0.2	0.3	0.5	0.2	0.1	0.1	0.1	0.1	.	0.1	0.1	0.2
15-19	0.8	1.2	1.3	1.5	1.4	1.2	1.0	1.0	0.7	0.7	0.7	0.7	0.7
20-29	11.2	27.4	39.4	38.6	33.7	33.3	30.4	28.2	26.9	25.6	24.7	25.9	26.9
30-39	37.1	100.2	155.7	196.9	209.6	206.9	206.2	206.8	208.7	207.6	208.8	209.4	209.8
40-49	45.0	136.5	263.8	400.8	472.5	482.2	489.5	498.8	507.8	514.2	534.2	545.7	564.0
50-59	64.0	238.3	512.5	862.3	1,143.1	1,179.2	1,204.8	1,222.3	1,241.6	1,274.3	1,295.4	1,311.4	1,324.7
60-64	78.7	316.7	736.6	1,357.6	1,908.7	2,006.2	2,069.7	2,103.5	2,132.2	2,177.3	2,202.0	2,233.1	2,287.1
65-69	68.0	300.3	756.3	1,496.5	2,283.6	2,413.3	2,479.4	2,558.5	2,630.1	2,665.8	2,751.2	2,800.2	2,811.5
70-79	35.7	199.8	573.1	1,274.3	2,060.1	2,185.5	2,308.9	2,412.2	2,509.1	2,595.1	2,676.9	2,761.7	2,824.8
80-84	9.9	90.9	285.7	682.6	1,335.3	1,458.9	1,605.0	1,697.0	1,777.2	1,841.5	1,923.9	2,006.5	2,099.7
85+	3.3	18.0	97.9	268.4	573.9	634.3	689.0	732.7	811.4	861.4	918.3	978.2	1,026.7
0-19	0.2	0.5	0.7	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.3	0.3	0.4
20-44	27.7	75.4	123.4	159.8	171.3	172.4	171.9	172.7	175.4	176.9	180.7	184.1	187.6
45-64	63.6	236.1	515.6	888.9	1,192.4	1,236.8	1,268.0	1,288.0	1,306.3	1,334.1	1,356.2	1,374.4	1,400.0
65-74	55.4	265.5	718.4	1,474.1	2,245.8	2,373.2	2,471.8	2,563.2	2,652.7	2,713.1	2,807.7	2,866.3	2,901.1
75+	14.0	92.6	283.1	682.6	1,273.8	1,377.1	1,482.5	1,562.0	1,643.8	1,710.9	1,777.3	1,858.5	1,928.5
Male	31.2	104.7	217.2	379.2	552.2	583.0	609.6	631.5	656.2	679.4	704.4	726.1	746.2
Female	24.8	91.3	202.8	350.2	468.3	483.7	493.4	501.6	508.7	514.4	522.6	528.6	534.6
White	21.9	70.4	147.6	251.3	359.7	378.4	392.2	404.5	418.5	430.4	443.2	454.1	463.6
African American	79.3	304.4	678.6	1,214.3	1,661.9	1,715.9	1,769.3	1,806.7	1,829.8	1,859.9	1,895.8	1,925.2	1,957.9
Native American	121.6	480.8	992.2	1,583.3	1,861.9	1,887.2	1,869.4	1,858.1	1,861.2	1,830.8	1,798.9	1,784.5	1,753.2
Asian	4.0	78.4	201.9	424.0	582.2	613.7	629.7	641.9	657.3	676.4	710.7	731.4	761.4
†Hispanic					1,106.8	1,144.0	1,182.2	1,208.0	1,233.9	1,246.9	1,275.6	1,305.2	1,335.0
†Non-Hispanic					461.5	482.3	498.0	511.1	525.2	538.9	553.3	564.3	574.8
All	28.0	98.2	210.6	365.2	508.3	530.6	548.0	562.4	577.2	590.9	606.7	619.6	631.9

Table B.3 (continued)

Point prevalent rates of reported diabetic ESRD: CDC diabetic population*patients alive on December 31 of each year, per million population, by age, gender, race, & ethnicity*

UNADJUSTED	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007
0-44	2,300	6,719	9,717	12,202	8,772	8,487	8,497	8,475	7,847	6,958	6,837	6,857
45-64	1,023	3,657	7,990	12,409	12,117	11,947	11,877	11,797	11,489	11,326	11,373	11,747
65-74	538	2,184	6,036	11,387	13,022	12,963	13,005	12,989	13,067	13,193	13,361	13,747
75+	185	906	3,289	6,318	9,605	9,814	9,898	9,803	10,079	9,993	10,114	10,163
Male	1,205	3,788	7,720	11,624	11,557	11,328	11,449	11,463	11,574	11,602	11,904	12,354
Female	839	2,916	6,588	10,581	11,096	11,140	11,050	10,948	10,479	9,967	9,826	9,929
White	856	2,669	5,648	8,917	9,162	9,065	8,911	8,822	8,615	8,544	8,703	9,065
African American	1,735	5,915	13,445	19,824	22,603	22,440	23,213	22,980	22,440	21,118	20,842	20,792
Other	1,175	8,304	10,890	12,051	9,085	9,540	10,868	11,929	13,613	12,001	10,924	10,059
†Hispanic					14,623	14,948	15,400	15,353	15,393	14,709	14,761	15,135
†Non-Hispanic					10,891	10,755	10,715	10,656	10,437	10,215	10,263	10,493
All	999	3,293	7,083	11,055	11,321	11,233	11,249	11,207	11,021	10,765	10,831	11,098
ADJUSTED												
20-44	2,337	6,917	10,194	12,836	9,102	8,759	8,663	8,607	7,840	6,862	6,721	6,777
45-64	1,010	3,857	8,158	11,785	11,836	11,785	11,887	11,713	11,311	11,149	11,201	11,585
65-74	633	2,397	6,365	12,276	13,640	13,404	13,571	13,541	13,840	13,450	13,585	13,759
75+	221	978	4,164	6,690	10,443	11,127	11,310	11,342	11,192	11,200	10,904	11,080
Male	1,167	3,996	7,852	12,002	12,118	11,914	12,117	12,015	11,950	11,929	12,150	12,585
Female	864	3,196	7,003	10,216	10,752	10,855	10,851	10,742	10,319	9,727	9,538	9,600
White	889	2,823	5,667	9,216	9,190	9,070	8,919	8,841	8,582	8,511	8,662	9,020
African American	1,654	5,944	13,914	19,619	23,582	23,820	24,733	24,002	22,973	22,108	21,677	21,796
Other	965	6,924	12,961	14,645	10,174	10,733	11,941	13,094	14,555	12,714	11,655	10,914
†Hispanic					15,118	15,119	15,946	15,902	16,265	15,616	15,574	15,984
†Non-Hispanic					10,929	10,781	10,742	10,665	10,407	10,199	10,241	10,474
All	1,012	3,585	7,418	11,103	11,400	11,346	11,442	11,336	11,091	10,765	10,790	11,031



Table B.7

Prevalence of reported ESRD, by primary diagnosis, 2008*patients alive on December 31 of each year, by detailed primary diagnosis*

ROW PERCENT	Total patients	Percent prevalent	Median age	Age			Percent male	Percent			
				0-19	20-64	65+		White	Af Am	N Am	Asian
All ESRD, (reference)	547,982	100.0	59	1.4	12.5	35.9	56.4	60.9	31.7	1.3	5.1
Diabetes	205,361	38.3	62	.	16.0	41.7	54.2	61.3	30.8	2.2	5.0
Diabetes with renal manifestations, Type 2	174,660	32.5	63	.	17.2	46.5	53.9	59.0	32.4	2.4	5.4
Diabetes with renal manifestations, Type 1	30,701	5.7	50	.	9.0	13.9	56.3	74.3	21.6	1.2	2.6
Glomerulonephritis	79,711	14.8	51	1.9	9.6	19.5	60.7	64.0	26.2	1.2	7.5
Glomerulonephritis (GN; histologically not examined)	35,797	6.7	53	0.6	10.5	21.9	60.5	65.1	23.7	1.3	8.6
Focal glomerulosclerosis, focal sclerosing GN	22,071	4.1	48	3.9	8.6	16.5	60.5	54.0	40.8	0.8	3.7
Membranous nephropathy	3,877	0.7	57	0.7	12.6	30.1	66.3	66.1	28.9	0.9	3.2
Membranoproliferative GN type 1, diffuse MPGN	3,342	0.6	50	2.4	9.7	16.0	57.8	74.1	17.6	1.3	6.2
Dense deposit disease, MPGN type 2	225	.	40	14.2	3.1	11.6	50.2	81.3	13.3	1.3	3.1
IgA nephropathy, Berger's (by immunofluorescence)	8,363	1.6	46	1.0	7.2	10.9	66.3	73.7	6.7	2.0	16.4
IgM nephropathy (by immunofluorescence)	733	0.1	47	1.4	7.8	15.7	62.3	71.5	10.9	1.4	15.4
With lesion of rapidly progressive GN	2,188	0.4	53	3.4	9.3	29.9	48.9	75.2	16.5	2.0	5.5
Post-infectious GN, SBE	537	0.1	52	3.2	8.9	21.6	59.2	75.4	17.5	2.6	4.1
Other proliferative GN	2,578	0.5	51	3.3	9.6	20.0	53.1	72.0	20.6	1.2	5.2
Secondary GN/vasculitis	17,194	3.2	46	3.4	6.9	14.9	30.3	60.8	32.4	1.0	5.1
Lupus erythematosus (SLE nephritis)	10,007	1.9	43	1.7	5.0	5.8	18.1	46.3	45.3	0.9	6.5
Henoch-Schonlein syndrome	372	0.1	36	8.1	3.2	6.7	55.1	83.9	7.8	1.1	6.7
Scleroderma	561	0.1	56	0.4	14.3	26.0	21.7	76.3	19.4	1.1	2.5
Hemolytic uremic syndrome	1,080	0.2	37	20.1	5.5	9.0	40.0	78.1	18.1	0.6	2.5
Polyarteritis	300	0.1	58	4.0	10.7	35.3	44.0	80.7	13.7	1.7	3.0
Wegener's granulomatosis	1,741	0.3	60	2.2	12.4	38.7	55.9	90.4	6.1	0.9	2.3
Nephropathy due to heroin abuse and related drugs	348	0.1	51	0.9	9.8	10.6	64.9	45.7	47.7	1.7	4.6
Other vasculitis and its derivatives	1,209	0.2	59	4.5	9.6	40.4	40.6	82.0	11.8	1.6	4.0
Goodpasture's syndrome	975	0.2	52	2.7	9.0	26.8	49.7	90.7	6.4	0.9	1.7
Secondary GN, other	601	0.1	53	4.2	7.8	25.3	55.4	62.9	30.1	1.5	5.2
Interstitial nephritis/pyelonephritis	20,461	3.8	58	2.3	10.8	34.8	54.8	80.8	13.6	0.8	4.2
Analgesic abuse	837	0.2	63	.	13.7	47.6	43.7	78.5	16.2	0.6	4.2
Radiation nephritis	139	.	63	1.4	15.1	47.5	45.3	84.9	11.5	.	3.6
Lead nephropathy	44	.	62	.	11.4	45.5	77.3	34.1	61.4	.	4.5
Nephropathy caused by other agents	2,003	0.4	61	1.3	15.2	39.1	55.5	80.7	15.0	0.4	3.3
Gouty nephropathy	267	.	60	0.4	13.1	37.8	76.0	57.3	21.7	0.4	19.1
Nephrolithiasis	993	0.2	62	0.8	14.0	41.8	51.9	78.2	10.8	0.7	8.9
Acquired obstructive uropathy	4,930	0.9	63	1.9	10.3	47.5	79.2	80.4	15.5	0.9	2.5
Chronic pyelonephritis, reflux nephropathy	4,083	0.8	44	6.0	6.0	12.7	38.8	87.1	7.0	1.0	3.9
Chronic interstitial nephritis	6,030	1.1	58	1.4	11.7	33.2	47.0	79.6	14.8	0.8	4.3
Acute interstitial nephritis	666	0.1	63	0.6	12.5	45.8	50.8	76.4	19.2	0.3	3.6
Urolithiasis	234	.	60	0.4	15.4	36.8	56.0	74.4	12.8	.	11.1
Other disorders of calcium metabolism	235	.	58	0.9	8.1	37.0	49.4	79.1	14.9	.	5.1
Hypertensive/large vessel disease	132,883	24.8	62	0.1	10.6	45.3	59.5	47.1	47.2	0.5	4.5
Unspecified with renal failure	126,863	23.6	61	0.1	10.8	43.8	59.6	45.2	49.0	0.5	4.6
Renal artery stenosis	3,683	0.7	75	0.3	7.4	76.1	52.7	86.6	10.0	0.5	2.6
Renal artery occlusion	826	0.2	73	1.2	7.0	71.2	59.4	84.5	11.5	0.8	2.7
Cholesterol emboli, renal emboli	1,511	0.3	76	0.1	7.1	87.8	66.4	92.3	5.3	0.5	1.9
Cystic/hereditary/congenital diseases	37,537	7.0	53	8.8	12.6	20.1	58.0	82.6	12.5	0.7	3.5
Polycystic kidneys, adult type (dominant)	24,868	4.6	58	0.3	17.2	27.5	53.3	83.3	12.2	0.5	3.5
Polycystic, infantile (recessive)	541	0.1	23	42.5	3.9	5.2	49.9	78.6	14.4	1.5	3.5
Medullary cystic disease, including nephronophthisis	600	0.1	30	23.7	3.5	7.2	48.8	85.5	7.0	1.2	5.2
Tuberous sclerosis	196	.	51	3.1	7.7	23.5	42.9	78.6	18.4	.	2.0
Hereditary nephritis, Alport's syndrome	2,409	0.4	42	4.8	6.1	8.6	72.7	86.9	8.7	0.9	2.8
Cystinosis	248	.	23	32.7	1.6	4.0	52.0	90.7	5.6	1.2	2.0
Primary oxalosis	122	.	39	23.0	9.0	12.3	55.7	81.1	7.4	2.5	5.7
Fabry's disease	175	.	48	.	6.3	5.1	89.7	89.1	7.4	0.6	2.3
Congenital nephrotic syndrome	586	0.1	25	42.0	3.6	5.3	58.5	72.9	19.1	0.9	5.6
Drash syndrome, mesangial sclerosis	80	.	29	43.8	7.5	20.0	61.3	75.0	17.5	.	3.8
Congenital obstruction of ureteropelvic junction	204	.	29	32.4	2.9	7.8	74.5	76.0	17.2	1.5	3.4
Congenital obstruction of uretrovesical junction	106	.	25	31.1	1.9	7.5	76.4	73.6	14.2	3.8	7.5
Other congenital obstructive uropathy	3,170	0.6	31	24.8	2.5	3.9	77.4	79.1	15.5	0.9	3.3
Renal hypoplasia, dysplasia, oligonephronia	3,098	0.6	23	38.7	1.5	2.3	61.1	79.4	14.3	1.2	3.5
Prune belly syndrome	324	0.1	20	50.0	.	0.9	97.8	75.3	21.9	0.9	1.2
Other (congenital malformation syndromes)	810	0.2	40	11.9	5.3	9.6	57.9	84.4	9.9	1.1	4.1

Table B.7 (continued)

Prevalence of reported ESRD, by primary diagnosis, 2008

patients alive on December 31 of each year, by detailed primary diagnosis

ROW PERCENT	Total patients	Percent prevalent	Median age	Age			Percent male	Percent				
				0-19	20-64	65+		White	Af Am	N Am	Asian	
Neoplasms/tumors	7,266	1.4	62	1.8	13.8	44.1	62.5	77.7	18.3	0.8	2.9	
Renal tumor (malignant)	1,502	0.3	68	3.6	12.2	59.3	68.1	77.6	19.8	1.1	1.1	
Urinary tract tumor (malignant)	286	0.1	72	0.3	10.5	71.3	81.1	83.6	13.6	0.7	2.1	
Renal tumor (benign)	80	.	67	1.3	12.5	55.0	57.5	77.5	18.8	.	2.5	
Urinary tract tumor (benign)	42	.	69	.	19.0	57.1	85.7	81.0	19.0	.	.	
Renal tumor (unspecified)	150	.	66	2.0	10.0	53.3	63.3	72.0	24.0	0.7	3.3	
Urinary tract tumor (unspecified)	57	.	72	.	8.8	64.9	73.7	70.2	24.6	.	1.8	
Lymphoma of kidneys	74	.	67	2.7	12.2	54.1	67.6	86.5	12.2	.	1.4	
Multiple myeloma	1,520	0.3	66	.	15.3	55.1	56.4	72.6	24.3	0.5	2.4	
Other immuno prolifer. neoplasms (inc. light chain neph.)	323	0.1	66	0.6	15.2	53.9	65.0	77.4	18.0	1.2	2.8	
Amyloidosis	771	0.1	64	0.3	14.9	49.8	55.5	82.9	13.4	1.2	2.3	
Complications of transplanted organ, unspecified	157	.	52	1.3	11.5	11.5	60.5	83.4	13.4	.	3.2	
Complications of transplanted kidney	833	0.2	48	1.1	8.9	10.3	58.5	72.7	20.9	0.2	5.9	
Complications of transplanted liver	962	0.2	56	2.4	16.0	22.9	60.4	81.2	13.4	0.8	4.0	
Complications of transplanted heart	328	0.1	62	4.9	20.7	40.5	76.5	83.8	12.2	1.5	2.4	
Complications of transplanted lung	83	.	56	2.4	19.3	19.3	49.4	89.2	6.0	.	4.8	
Complications of transplanted bone marrow	44	.	40	15.9	9.1	13.6	75.0	84.1	11.4	.	4.5	
Complications of transplanted pancreas	28	.	58	3.6	25.0	21.4	53.6	67.9	14.3	.	14.3	
Complications of transplanted intestine	*	.	49	13	.	.	38	75	25	.	.	
Complications of other specified transplanted organ	18	.	54	16.7	11.1	22.2	77.8	61.1	16.7	.	22.2	
Miscellaneous conditions	16,025	3.0	56	2.9	9.8	33.3	59.5	61.5	34.3	0.7	3.0	
Sickle cell disease/anemia	381	0.1	42	1.8	4.5	3.9	55.4	4.5	95.0	.	0.5	
Sickle cell trait and other sickle cell (HbS/Hb other)	31	.	50	.	9.7	6.5	41.9	12.9	87.1	.	.	
Post-partum renal failure	174	.	37	2.9	1.1	1.1	2.9	54.6	35.1	0.6	6.9	
AIDS nephropathy	3,133	0.6	47	0.8	4.8	3.2	69.7	9.1	89.5	0.3	0.3	
Traumatic or surgical loss of kidney(s)	478	0.1	61	3.6	11.5	42.3	66.9	76.2	19.7	0.4	2.5	
Hepatorenal syndrome	960	0.2	57	0.2	20.1	21.1	66.9	79.3	13.5	2.0	4.8	
Tubular necrosis (no recovery)	5,372	1.0	66	2.7	11.0	52.8	55.5	78.9	17.8	0.7	2.3	
Other renal disorders	5,496	1.0	58	4.7	10.1	36.0	58.0	74.5	19.4	0.8	4.8	
Etiology uncertain	20,417	3.8	56	2.9	9.3	34.1	57.8	65.8	25.2	1.0	6.5	
Missing	11,127	2.1	53	3.4	11.4	22.4	57.2	63.1	17.5	1.1	6.0	

Table B.7 (continued)

Prevalence of reported ESRD, by primary diagnosis, 2008*patients alive on December 31 of each year, by detailed primary diagnosis*

COLUMN PERCENT	Total	Counts				Percent			
	patients	White	Af Am	N Am	Asian	White	Af Am	N Am	Asian
All ESRD, (reference)	547,982	333,500	173,652	7,290	27,945	100.0	100.0	100.0	100.0
Diabetes	205,361	125,925	63,158	4,543	10,247	38.6	36.8	63.4	37.6
Diabetes with renal manifestations, Type 2	174,660	103,129	56,518	4,188	9,455	31.6	32.9	58.4	34.7
Diabetes with renal manifestations, Type 1	30,701	22,796	6,640	355	792	7.0	3.9	5.0	2.9
Glomerulonephritis	79,711	51,028	20,854	975	5,993	15.6	12.1	13.6	22.0
Glomerulonephritis (GN; histologically not examined)	35,797	23,296	8,496	449	3,090	7.1	4.9	6.3	11.3
Focal glomerulosclerosis, focal sclerosing GN	22,071	11,914	8,997	174	807	3.6	5.2	2.4	3.0
Membranous nephropathy	3,877	2,564	1,119	33	125	0.8	0.7	0.5	0.5
Membranoproliferative GN type 1, diffuse MPGN	3,342	2,476	588	45	208	0.8	0.3	0.6	0.8
Dense deposit disease, MPGN type 2	225	183	30	*	*	0.1	.	.	.
IgA nephropathy, Berger's (by immunofluorescence)	8,363	6,165	558	171	1,368	1.9	0.3	2.4	5.0
IgM nephropathy (by immunofluorescence)	733	524	80	*	113	0.2	.	0.1	0.4
With lesion of rapidly progressive GN	2,188	1,645	362	44	120	0.5	0.2	0.6	0.4
Post-infectious GN, SBE	537	405	94	14	22	0.1	0.1	0.2	0.1
Other proliferative GN	2,578	1,856	530	32	133	0.6	0.3	0.4	0.5
Secondary GN/vasculitis	17,194	10,448	5,564	170	877	3.2	3.2	2.4	3.2
Lupus erythematosus (SLE nephritis)	10,007	4,637	4,531	90	650	1.4	2.6	1.3	2.4
Henoch-Schonlein syndrome	372	312	29	*	25	0.1	.	0.1	0.1
Scleroderma	561	428	109	*	14	0.1	0.1	0.1	0.1
Hemolytic uremic syndrome	1,080	843	196	*	27	0.3	0.1	0.1	0.1
Polyarteritis	300	242	41	*	*	0.1	.	0.1	.
Wegener's granulomatosis	1,741	1,574	106	16	40	0.5	0.1	0.2	0.1
Nephropathy due to heroin abuse and related drugs	348	159	166	*	16	.	0.1	0.1	0.1
Other vasculitis and its derivatives	1,209	991	143	19	48	0.3	0.1	0.3	0.2
Goodpasture's syndrome	975	884	62	*	17	0.3	.	0.1	0.1
Secondary GN, other	601	378	181	*	31	0.1	0.1	0.1	0.1
Interstitial nephritis/pyelonephritis	20,461	16,527	2,782	156	856	5.1	1.6	2.2	3.1
Analgesic abuse	837	657	136	*	35	0.2	0.1	0.1	0.1
Radiation nephritis	139	118	16	.	*	.	.	.	.
Lead nephropathy	44	15	27	.	*	.	.	.	.
Nephropathy caused by other agents	2,003	1,616	300	*	66	0.5	0.2	0.1	0.2
Gouty nephropathy	267	153	58	*	51	.	.	.	0.2
Nephrolithiasis	993	777	107	*	88	0.2	0.1	0.1	0.3
Acquired obstructive uropathy	4,930	3,964	763	45	125	1.2	0.4	0.6	0.5
Chronic pyelonephritis, reflux nephropathy	4,083	3,557	287	41	160	1.1	0.2	0.6	0.6
Chronic interstitial nephritis	6,030	4,801	895	46	262	1.5	0.5	0.6	1.0
Acute interstitial nephritis	666	509	128	*	24	0.2	0.1	.	0.1
Urolithiasis	234	174	30	.	26	0.1	.	.	0.1
Other disorders of calcium metabolism	235	186	35	.	12	0.1	.	.	.
Hypertensive/large vessel disease	132,883	62,621	62,687	700	5,991	19.2	36.5	9.8	22.0
Unspecified with renal failure	126,863	57,339	62,145	668	5,844	17.6	36.2	9.3	21.4
Renal artery stenosis	3,683	3,189	367	18	97	1.0	0.2	0.3	0.4
Renal artery occlusion	826	698	95	*	22	0.2	0.1	0.1	0.1
Cholesterol emboli, renal emboli	1,511	1,395	80	*	28	0.4	.	0.1	0.1
Cystic/hereditary/congenital diseases	37,537	30,990	4,688	261	1,304	9.5	2.7	3.6	4.8
Polycystic kidneys, adult type (dominant)	24,868	20,708	3,026	127	865	6.3	1.8	1.8	3.2
Polycystic, infantile (recessive)	541	425	78	*	19	0.1	.	0.1	0.1
Medullary cystic disease, including nephronophthisis	600	513	42	*	31	0.2	.	0.1	0.1
Tuberous sclerosis	196	154	36	.	*	.	.	.	.
Hereditary nephritis, Alport's syndrome	2,409	2,093	210	22	68	0.6	0.1	0.3	0.2
Cystinosis	248	225	14	*	*	0.1	.	.	.
Primary oxalosis	122	99	*	*	*	.	.	.	.
Fabry's disease	175	156	13	*	*	.	.	.	.
Congenital nephrotic syndrome	586	427	112	*	33	0.1	0.1	0.1	0.1
Drash syndrome, mesangial sclerosis	80	60	14	.	*	.	.	.	.
Congenital obstruction of ureteropelvic junction	204	155	35	*	*	.	.	.	.
Congenital obstruction of uretrovesical junction	106	78	15	*	*	.	.	0.1	.
Other congenital obstructive uropathy	3,170	2,508	491	30	104	0.8	0.3	0.4	0.4
Renal hypoplasia, dysplasia, oligonephronia	3,098	2,461	442	36	109	0.8	0.3	0.5	0.4
Prune belly syndrome	324	244	71	*	*	0.1	.	.	.
Other (congenital malformation syndromes)	810	684	80	*	33	0.2	.	0.1	0.1

Table B.7 (continued)

Prevalence of reported ESRD, by primary diagnosis, 2008

patients alive on December 31 of each year, by detailed primary diagnosis

COLUMN PERCENT	Total	Counts				Percent			
	patients	White	Af Am	N Am	Asian	White	Af Am	N Am	Asian
Neoplasms/tumors	7,266	5,645	1,333	56	210	1.7	0.8	0.8	0.8
Renal tumor (malignant)	1,502	1,165	298	17	17	0.4	0.2	0.2	0.1
Urinary tract tumor (malignant)	286	239	39	*	*	0.1	.	.	.
Renal tumor (benign)	80	62	15	.	*	.	.	.	.
Urinary tract tumor (benign)	42	34	*	.	.	.	.	.	.
Renal tumor (unspecified)	150	108	36	*	*	.	.	.	.
Urinary tract tumor (unspecified)	57	40	14	.	*	.	.	.	.
Lymphoma of kidneys	74	64	*	.	*	.	.	.	.
Multiple myeloma	1,520	1,104	370	*	37	0.3	0.2	0.1	0.1
Other immuno prolifer. neoplasms (inc. light chain neph.)	323	250	58	*	*	0.1	.	0.1	.
Amyloidosis	771	639	103	*	18	0.2	0.1	0.1	0.1
Complications of transplanted organ, unspecified	157	131	21	.	*	.	.	.	.
Complications of transplanted kidney	833	606	174	*	49	0.2	0.1	.	0.2
Complications of transplanted liver	962	781	129	*	38	0.2	0.1	0.1	0.1
Complications of transplanted heart	328	275	40	*	*	0.1	.	0.1	.
Complications of transplanted lung	83	74	*	.	*	.	.	.	.
Complications of transplanted bone marrow	44	37	*	.	*	.	.	.	.
Complications of transplanted pancreas	28	19	*	.	*	.	.	.	.
Complications of transplanted intestine	*	*	*	.	.	.	.	.	.
Complications of other specified transplanted organ	18	11	*	.	*	.	.	.	.
Miscellaneous conditions	16,025	9,856	5,500	109	473	3.0	3.2	1.5	1.7
Sickle cell disease/anemia	381	17	362	.	*	.	0.2	.	.
Sickle cell trait and other sickle cell (HbS/Hb other)	31	*	27	.	.	.	.	.	.
Post-partum renal failure	174	95	61	*	12	.	.	.	.
AIDS nephropathy	3,133	285	2,803	*	*	0.1	1.6	0.1	.
Traumatic or surgical loss of kidney(s)	478	364	94	*	12	0.1	0.1	.	.
Hepatorenal syndrome	960	761	130	19	46	0.2	0.1	0.3	0.2
Tubular necrosis (no recovery)	5,372	4,236	957	37	126	1.3	0.6	0.5	0.5
Other renal disorders	5,496	4,094	1,066	42	266	1.3	0.6	0.6	1.0
Etiology uncertain	20,417	13,439	5,140	198	1,325	4.1	3.0	2.8	4.9
Missing	11,127	7,021	1,946	122	669	2.2	1.1	1.7	2.5



Table C.2

Percent distribution of patients, by prior & current employment status*incident patients with completed Medical Evidence forms, 2000-2002, by age, gender, race, ethnicity, & primary diagnosis*

	Full-time		Part-time		Homemaker		Retired (age/prf)		Retired (disab.)		Medical leave		Student		Unemployed	
	prior	current	prior	current	prior	current	prior	current	prior	current	prior	current	prior	current	prior	current
0-4	0.5	0.2	.	0.4	0.5	0.7	4.6	5.8	1.6	2.3	0.2	0.2	15.9	17.2	30.0	32.9
5-9	.	.	0.2	.	0.2	0.2	0.2	0.7	0.7	0.9	.	0.2	77.8	84.4	4.1	4.6
10-14	0.2	0.2	.	0.2	.	.	0.5	0.3	0.1	0.1	0.1	0.1	88.9	93.8	2.7	2.9
15-19	5.5	2.6	5.1	3.3	0.5	0.7	0.4	0.4	0.7	1.2	0.1	1.8	60.1	60.5	19.5	26.5
20-29	37.0	20.2	6.4	4.3	2.6	2.8	0.3	0.4	6.2	8.4	1.0	9.6	6.1	5.9	31.0	44.3
30-39	37.9	23.7	4.4	3.2	3.2	3.4	0.3	0.5	13.7	16.7	1.1	8.6	0.5	0.5	28.5	38.8
40-49	34.0	21.8	3.7	2.8	3.3	3.4	1.0	1.1	20.1	23.9	1.2	7.7	0.1	0.1	25.9	34.3
50-59	24.3	15.2	2.7	2.2	4.7	4.9	5.1	5.7	30.2	35.0	1.1	5.9	0.0	0.0	21.2	26.4
60-64	12.3	7.1	2.1	1.8	6.6	6.6	20.9	22.8	30.8	34.7	0.6	2.8	0.0	0.0	15.9	19.2
65-69	4.6	2.6	1.9	1.6	6.1	6.1	53.5	57.2	14.7	16.3	0.2	0.8	0.0	0.0	9.4	11.3
70-79	2.0	0.9	1.1	0.9	5.9	5.8	69.1	73.2	6.2	7.2	0.1	0.3	0.0	0.0	6.8	8.1
80-84	1.1	0.4	0.5	0.4	5.1	5.0	74.9	79.2	4.2	4.9	0.0	0.1	.	0.0	5.8	6.8
85+	0.9	0.3	0.3	0.3	4.9	4.9	75.7	79.8	3.5	4.1	0.0	0.1	0.0	0.0	6.1	7.4
0-19	2.7	1.3	2.4	1.6	0.4	0.5	1.0	1.3	0.7	1.0	0.1	0.9	62.5	64.9	15.0	18.9
20-44	37.0	22.7	4.7	3.3	3.1	3.2	0.4	0.6	13.5	16.6	1.1	8.6	1.5	1.5	28.4	39.0
45-64	22.2	13.8	2.7	2.2	5.0	5.1	9.1	10.1	28.8	33.3	1.0	5.3	0.1	0.1	20.3	25.4
65-74	3.4	1.8	1.6	1.3	6.1	6.0	60.5	64.3	10.8	12.1	0.1	0.6	0.0	0.0	8.2	9.9
75+	1.3	0.5	0.6	0.5	5.4	5.3	73.4	77.6	4.5	5.3	0.0	0.1	0.0	0.0	6.2	7.3
Male	17.2	10.8	2.2	1.9	0.1	0.1	38.8	41.3	17.3	20.0	0.6	3.5	1.0	1.1	12.9	17.1
Female	10.3	5.9	2.1	1.4	10.8	10.9	34.5	36.7	14.1	16.4	0.5	2.8	1.0	1.0	17.0	20.6
White	12.9	8.1	2.2	1.8	5.8	5.8	42.8	45.4	14.9	17.1	0.5	2.9	0.9	1.0	11.1	13.9
African American	15.9	9.0	2.1	1.4	2.8	2.8	25.9	28.0	18.7	21.8	0.6	3.8	0.9	0.9	21.2	27.4
N Am/Alas Native	15.2	8.6	3.1	2.6	6.9	7.0	26.8	27.7	18.0	20.9	0.4	3.1	1.1	1.1	20.7	24.7
Asian	19.3	11.7	2.2	1.8	6.5	6.4	34.3	35.8	9.4	11.9	0.5	3.8	1.8	1.7	18.6	23.5
Pacific Islander	20.2	12.1	2.0	1.2	9.6	9.8	32.5	33.8	11.6	13.7	0.5	5.5	1.1	1.1	18.6	21.5
Mid.-east./Arabian	14.1	9.0	2.3	2.5	8.0	8.0	29.6	30.7	9.8	11.7	0.3	2.1	2.9	3.3	23.1	28.7
Ind. Subcont.	22.7	14.0	2.8	2.5	8.3	8.3	22.1	23.8	9.3	12.0	0.1	3.3	2.4	2.3	21.7	29.1
Other/multiracial	13.8	7.8	1.8	1.4	7.7	7.7	21.8	23.3	16.8	19.1	0.5	3.1	2.1	2.1	23.8	30.1
Unknown	12.2	8.5	2.1	1.7	3.9	4.1	25.4	27.9	13.5	16.2	0.4	2.6	0.9	0.9	22.8	27.6
Hispanic, Mexican	14.1	6.9	1.9	1.3	9.1	9.0	25.9	26.8	18.5	21.8	0.4	3.3	1.7	1.7	22.5	26.0
Hispanic, other	12.6	6.9	1.7	1.2	6.9	7.0	27.3	28.7	17.8	19.8	0.5	3.0	1.5	1.5	21.6	27.0
Hispanic, non-spec.	15.3	8.3	2.1	1.4	3.1	3.5	26.7	27.8	13.5	13.5	0.4	3.8	0.4	0.4	26.7	31.6
Non-Hispanic	14.1	8.8	2.2	1.8	4.6	4.6	38.3	40.8	15.5	18.0	0.5	3.2	0.9	0.9	13.7	17.6
Unknown	10.8	8.7	2.0	1.3	2.6	3.0	33.3	38.0	12.3	15.4	0.6	2.0	1.2	1.6	8.5	15.4
Diabetes	10.8	6.5	1.7	1.4	6.1	6.1	34.8	37.1	21.0	23.8	0.5	2.4	0.1	0.1	15.3	18.5
Hypertension	11.7	6.5	1.9	1.4	4.3	4.3	46.3	49.2	11.1	13.3	0.4	2.6	0.2	0.2	14.1	18.3
Glomerulonephritis	29.2	19.5	3.8	3.3	3.9	4.0	25.6	27.3	10.2	12.6	0.6	6.0	3.6	3.6	14.0	19.6
Cystic kidney	36.6	29.4	4.7	4.1	4.6	4.9	21.1	22.4	10.6	13.1	0.9	6.1	1.5	1.6	10.5	14.0
Other urologic	14.9	9.6	3.4	2.2	3.7	3.8	39.9	42.7	12.7	15.0	0.6	3.5	3.7	3.7	12.1	16.1
Other cause	16.2	8.9	2.7	1.8	4.3	4.3	31.6	33.9	14.1	16.6	0.8	4.8	3.7	3.8	15.8	20.9
Unknown cause	14.9	8.5	2.4	1.8	4.1	4.1	41.0	43.8	10.2	12.2	0.3	3.2	2.0	2.1	15.1	19.9
Missing	9.6	5.8	.	.	.	.	7.7	7.7	7.7	9.6	.	.	.	.	63.5	65.4
All	14.0	8.5	2.2	1.7	5.1	5.1	36.8	39.1	15.8	18.3	0.5	3.2	1.0	1.0	14.8	18.7
Total N	40,496	24,605	6,211	4,893	14,590	14,678	106,168	113,011	45,711	52,932	1,502	9,241	2,869	2,937	42,666	54,099

Table C.2 (continued)

Percent distribution of patients, by prior & current employment status

incident patients with completed Medical Evidence forms, 2003–2005, by age, gender, race, ethnicity, & primary diagnosis

	Full-time		Part-time		Homemaker		Retired (age/prf)		Retired (disab.)		Medical leave		Student		Unemployed	
	prior	current	prior	current	prior	current	prior	current	prior	current	prior	current	prior	current	prior	current
0-4	1.9	0.9	0.2	0.2	0.7	0.6	6.0	6.0	2.9	3.5	0.2	0.9	16.7	17.0	30.0	33.5
5-9	0.7	0.5	0.2	.	.	.	0.5	0.7	0.2	0.2	0.2	1.2	78.1	83.5	6.5	7.7
10-14	0.1	.	0.1	.	.	.	0.5	0.5	0.2	0.2	.	.	87.3	93.5	3.1	3.4
15-19	5.0	2.2	3.9	2.8	0.5	0.5	0.3	0.3	1.0	1.5	0.2	2.1	64.2	65.7	16.5	21.7
20-29	31.3	17.8	6.8	4.8	2.4	2.6	0.4	0.5	7.2	9.4	0.8	7.7	6.7	6.3	33.8	47.6
30-39	36.6	23.0	4.5	3.4	3.1	3.4	0.4	0.6	12.9	16.0	1.2	8.7	0.6	0.6	30.4	41.1
40-49	31.6	20.8	3.5	2.7	2.7	2.9	1.0	1.2	20.6	24.7	1.2	7.4	0.2	0.2	28.5	36.7
50-59	23.6	15.0	2.8	2.2	3.9	4.0	4.8	5.5	30.5	35.2	1.0	6.0	0.1	0.0	22.8	28.5
60-64	13.0	7.7	2.4	2.0	5.2	5.4	18.7	21.1	32.5	36.8	0.6	3.1	0.0	0.0	16.6	20.2
65-69	5.1	3.0	1.8	1.7	5.0	5.0	52.7	57.4	15.2	16.9	0.2	0.9	0.0	0.0	9.6	11.5
70-79	2.0	1.0	1.2	1.0	5.2	5.2	69.0	74.1	6.5	7.6	0.0	0.3	0.0	0.0	6.7	8.0
80-84	1.1	0.4	0.6	0.5	4.7	4.7	75.3	80.4	4.0	4.8	0.0	0.1	0.0	0.0	5.7	6.6
85+	0.9	0.3	0.4	0.3	4.6	4.5	76.7	81.7	3.5	4.2	0.0	0.0	0.0	0.0	5.5	6.4
0-19	2.8	1.2	1.9	1.3	0.4	0.3	1.4	1.4	1.1	1.4	0.2	1.3	62.9	65.7	14.6	17.8
20-44	34.5	21.6	4.7	3.6	2.8	3.0	0.5	0.7	13.6	16.9	1.1	8.3	1.7	1.6	30.6	41.3
45-64	21.6	13.7	2.7	2.2	4.1	4.2	8.3	9.5	29.6	34.2	0.9	5.3	0.1	0.1	21.9	27.2
65-74	3.8	2.2	1.6	1.4	5.0	5.1	59.6	64.5	11.4	12.9	0.1	0.7	0.0	0.0	8.4	10.0
75+	1.3	0.5	0.7	0.6	4.9	4.9	73.9	79.0	4.5	5.3	0.0	0.1	0.0	0.0	5.9	7.0
Male	16.3	10.3	2.2	2.0	0.1	0.1	38.1	41.0	17.8	20.6	0.6	3.5	1.0	1.0	14.0	18.2
Female	10.2	6.1	2.1	1.6	9.4	9.6	34.2	37.0	14.8	17.3	0.5	2.8	1.0	1.1	17.5	21.3
White	12.7	8.1	2.2	1.9	4.9	5.0	42.4	45.4	15.5	17.8	0.5	2.9	1.0	1.0	12.0	14.9
African American	14.8	8.8	2.1	1.5	2.3	2.4	24.9	27.8	19.2	22.7	0.6	3.8	1.0	1.0	22.1	28.3
N Am/Alas Native	14.6	8.6	2.3	1.5	6.0	6.2	20.1	21.2	19.6	22.4	0.3	3.1	1.4	1.2	26.9	32.4
Asian	17.4	11.2	2.5	2.2	6.0	6.1	33.6	35.6	10.7	13.3	0.5	4.0	1.5	1.5	19.7	23.4
Pacific Islander	18.9	11.4	2.3	2.1	8.0	8.5	28.3	30.4	12.3	14.7	0.4	4.6	1.1	1.0	21.5	25.2
Mid.-east./Arabian	13.9	8.9	2.3	1.7	6.0	6.4	29.3	31.3	10.9	12.7	0.7	3.4	2.3	2.7	23.4	29.0
Ind. Subcont.	20.3	15.2	2.1	1.9	7.1	7.2	23.7	25.2	10.6	14.1	0.9	4.0	2.4	2.7	19.4	26.7
Other/multiracial	13.2	8.0	2.0	1.4	7.6	7.7	22.4	24.1	16.9	19.2	0.5	2.9	1.6	1.7	22.6	31.0
Unknown	10.4	6.6	2.5	2.6	4.4	4.1	26.9	30.4	13.3	15.7	0.4	2.2	0.7	0.7	22.9	29.4
Hispanic, Mexican	13.3	6.7	2.0	1.2	8.3	8.3	23.9	24.5	19.5	22.4	0.5	3.1	2.0	2.0	24.8	29.2
Hispanic, other	13.0	7.6	1.8	1.4	7.1	7.1	26.9	28.6	18.3	20.9	0.4	2.6	1.5	1.5	19.8	26.4
Hispanic, non-spec.	15.2	7.1	2.1	1.6	7.8	7.7	26.4	27.0	19.8	22.3	0.5	3.2	2.0	2.0	24.8	28.6
Non-Hispanic	13.5	8.6	2.2	1.8	3.8	3.9	38.0	41.1	16.0	18.7	0.5	3.2	0.9	0.9	14.4	18.3
Unknown	10.6	6.8	2.9	2.3	3.6	3.3	35.9	41.8	12.4	15.3	.	2.4	0.6	0.6	13.8	18.5
Diabetes	10.7	6.5	1.7	1.4	5.1	5.1	34.5	37.1	21.9	24.8	0.5	2.5	0.1	0.1	16.0	19.3
Hypertension	11.1	6.5	1.9	1.5	3.7	3.8	45.4	49.1	11.5	13.9	0.3	2.5	0.2	0.2	15.0	19.4
Glomerulonephritis	28.4	19.5	3.9	3.4	3.3	3.5	24.2	26.1	10.5	13.0	0.7	6.2	3.9	4.0	15.3	20.9
Cystic kidney	37.5	29.7	4.9	4.7	4.0	4.3	18.6	20.4	10.8	13.2	1.0	6.6	1.5	1.6	11.4	15.7
Other urologic	14.9	10.1	3.1	2.8	3.4	3.4	40.0	43.0	12.6	14.3	0.3	3.1	3.2	3.2	13.4	17.0
Other cause	15.4	8.9	2.8	2.0	3.8	3.8	32.4	34.9	14.6	17.1	0.7	4.7	3.7	3.8	16.2	20.9
Unknown cause	13.5	7.9	2.4	2.1	4.1	4.2	38.7	42.0	11.7	13.9	0.4	3.1	2.4	2.4	16.4	20.9
Missing	.	.	.	.	.	.	33.3	33.3	33.3	33.3	.	.	.	.	.	.
All	13.5	8.4	2.2	1.8	4.3	4.4	36.3	39.2	16.4	19.1	0.5	3.2	1.0	1.0	15.6	19.6
Total N	42,088	26,133	6,777	5,498	13,396	13,649	112,918	121,915	51,127	59,312	1,581	9,919	3,156	3,231	48,406	60,924

Table C.2 (continued)

Percent distribution of patients, by prior or current employment status*incident patients with completed Medical Evidence forms, 2006–2008, by age, gender, race, ethnicity, & primary diagnosis*

	Full-time		Part-time		Homemaker		Retired (age/prf)		Retired (disab.)		Medical leave		Student		Unemployed	
	prior	current	prior	current	prior	current	prior	current	prior	current	prior	current	prior	current	prior	current
0-4	3.3	2.4	0.6	0.1	.	.	5.7	5.8	2.3	2.6	.	0.3	26.9	26.9	41.5	42.0
5-9	0.8	0.5	.	.	0.3	0.3	0.8	0.8	0.5	0.5	0.3	0.3	90.0	90.2	6.8	6.8
10-14	0.8	0.1	.	.	0.1	.	0.7	0.7	0.6	0.9	.	0.9	94.4	94.0	3.4	3.4
15-19	5.5	2.6	4.6	2.8	0.5	0.6	0.4	0.4	0.9	1.2	0.1	1.9	68.5	66.3	19.5	24.2
20-29	36.4	20.0	7.9	5.1	2.1	2.2	0.5	0.5	7.3	9.4	0.9	8.2	6.7	6.1	38.2	48.6
30-39	40.5	24.1	5.5	3.9	2.8	2.8	0.4	0.4	14.1	16.6	1.2	8.7	0.7	0.7	34.9	42.8
40-49	36.4	22.2	4.2	3.1	2.7	2.8	0.9	1.0	22.0	24.8	1.2	7.9	0.2	0.2	32.5	38.2
50-59	27.5	16.5	3.2	2.5	3.4	3.4	5.1	5.3	33.5	36.7	1.1	6.3	0.0	0.0	26.1	29.4
60-64	16.6	9.4	2.5	2.1	4.8	4.6	20.1	20.8	36.3	38.9	0.7	3.7	0.0	0.0	18.9	20.5
65-69	7.1	3.8	2.3	2.0	4.5	4.4	55.5	56.8	18.9	19.8	0.2	1.3	0.0	0.0	11.5	12.1
70-79	2.8	1.2	1.3	1.1	4.7	4.5	74.9	75.7	8.2	8.8	0.1	0.4	0.0	0.0	8.1	8.3
80-84	1.6	0.5	0.7	0.5	4.9	4.6	81.6	82.6	5.0	5.4	0.0	0.1	0.0	0.0	6.3	6.4
85+	1.3	0.4	0.5	0.4	4.4	4.2	83.3	84.2	4.3	4.7	0.0	0.1	0.0	0.0	6.2	6.1
0-19	3.6	1.8	2.4	1.4	0.3	0.3	1.5	1.5	1.0	1.3	0.1	1.2	69.1	67.9	18.5	21.0
20-44	39.0	22.9	5.5	3.9	2.6	2.6	0.5	0.6	14.7	17.1	1.2	8.6	1.8	1.6	34.9	42.8
45-64	25.4	15.2	3.2	2.4	3.7	3.7	9.0	9.3	32.7	35.7	1.0	5.7	0.1	0.1	24.9	28.0
65-74	5.3	2.7	2.0	1.7	4.6	4.5	63.6	64.7	14.3	15.1	0.1	0.9	0.0	0.0	10.1	10.5
75+	1.8	0.6	0.8	0.6	4.7	4.4	80.4	81.3	5.6	6.0	0.0	0.2	0.0	0.0	6.8	6.9
Male	19.1	11.3	2.6	2.1	0.1	0.1	40.1	40.7	20.0	21.9	0.6	3.8	1.0	1.0	16.4	19.1
Female	12.5	7.0	2.6	1.8	8.9	8.7	36.6	37.2	17.7	19.2	0.5	3.1	1.1	1.1	20.1	22.0
White	14.9	8.9	2.5	2.0	4.6	4.5	44.1	44.8	18.0	19.5	0.5	3.2	1.1	1.0	14.2	16.0
African American	18.4	10.1	2.6	1.8	2.1	2.1	26.9	27.4	22.3	24.4	0.6	4.0	1.0	0.9	26.0	29.4
N Am./Alas Native	18.1	9.6	2.9	2.0	5.7	5.7	22.0	22.3	20.5	22.7	0.6	3.6	1.5	1.4	28.8	32.6
Asian	21.0	13.0	2.7	2.1	5.8	5.6	36.3	37.0	11.0	12.8	0.6	4.2	1.5	1.4	21.1	23.8
Pacific Islander	20.7	12.1	2.8	1.9	6.1	6.0	25.6	26.2	15.1	17.1	1.1	4.8	1.0	1.0	27.5	31.0
Mid.-east./Arabian																
Ind. Subcont.																
Other/multiracial	17.6	12.3	3.4	1.7	6.3	6.3	30.5	31.1	18.1	19.5	0.6	3.2	3.1	3.1	20.0	22.4
Unknown	.	.	.	.	.	.	100.0	100.0	.	.	.	.	.	.	.	.
Hispanic, Mexican																
Hispanic, other	.	.	.	.	.	.	.	.	.	.	.	.	.	.	100.0	100.0
Hispanic, non-spec.	16.0	8.2	2.4	1.6	7.1	6.9	25.8	26.2	21.4	23.6	0.5	3.4	2.0	1.9	24.7	28.1
Non-Hispanic	16.2	9.6	2.6	2.0	3.5	3.4	40.6	41.3	18.6	20.2	0.6	3.5	0.9	0.9	17.0	19.1
Unknown	100.0	.	.	.	.	.	.	.	.	.	.	100.0	.	.	.	.
Diabetes	13.0	7.4	2.0	1.6	4.6	4.5	36.4	37.0	24.7	26.5	0.5	2.8	0.1	0.1	18.6	20.3
Hypertension	13.8	7.5	2.4	1.8	3.6	3.5	48.0	48.7	14.1	15.7	0.4	2.8	0.2	0.2	17.5	19.9
Glomerulonephritis	33.0	21.8	4.5	3.8	3.2	3.2	25.6	26.1	12.4	14.1	0.7	6.4	3.8	3.7	16.8	20.9
Cystic kidney	42.8	32.4	5.4	4.9	3.8	3.9	20.5	21.0	11.2	12.8	0.8	6.4	1.8	1.8	13.6	16.8
Other urologic	17.4	10.6	3.3	2.4	2.7	2.6	43.5	44.0	14.3	15.9	0.7	4.2	3.4	3.3	14.6	17.0
Other cause	18.1	9.6	3.2	2.2	3.4	3.3	34.9	35.5	16.9	18.7	0.9	5.2	3.8	3.7	18.5	21.5
Unknown cause	16.2	9.0	2.7	2.0	3.5	3.4	41.1	41.7	13.7	15.4	0.5	3.4	2.6	2.5	19.7	22.5
Missing	50.0	.	.	.	.	.	.	.	.	.	.	50.0	.	.	50.0	50.0
All	16.2	9.4	2.6	2.0	4.0	3.9	38.6	39.2	19.0	20.7	0.6	3.5	1.1	1.0	18.1	20.4
Total N	53,601	31,149	8,536	6,485	13,183	12,841	127,692	129,694	62,729	68,436	1,861	11,494	3,494	3,381	59,742	67,359

Table C.3

Insurance coverage in the incident population (%)*incident patients with completed Medical Evidence forms, 2000-2002, by age, gender, race, ethnicity, & primary diagnosis*

	Medicaid	Medicare	DVA	EGHP	Other	None	Medicare Advantage	Applying for Medicare
0-4	49.4	13.3	0.2	33.8	24.3	3.0	0.0	83.7
5-9	50.8	3.7	0.5	32.7	24.0	6.9	0.0	88.3
10-14	44.3	3.3	0.1	37.6	23.3	5.6	0.0	90.2
15-19	37.7	3.9	0.2	30.9	24.7	14.4	0.0	88.4
20-29	31.8	8.9	0.3	29.0	15.4	24.6	0.0	88.7
30-39	31.7	14.9	0.5	33.1	14.1	19.7	0.0	88.0
40-49	29.1	18.5	1.1	34.7	15.5	16.5	0.0	87.0
50-59	27.3	26.2	1.8	34.1	19.7	11.4	0.0	85.8
60-64	26.6	34.1	1.6	29.1	24.8	9.6	0.0	84.5
65-69	23.0	83.9	1.3	16.1	37.7	2.1	0.0	72.1
70-79	18.4	88.2	1.3	13.7	46.4	1.4	0.0	70.2
80-84	16.2	89.7	0.8	11.8	51.9	1.2	0.0	69.1
85+	18.5	90.8	0.5	9.8	52.0	1.2	0.0	68.0
0-19	42.9	5.2	0.2	33.3	24.2	9.4	0.0	88.1
20-44	31.0	14.5	0.6	32.4	14.9	20.1	0.0	87.8
45-64	27.3	27.4	1.6	32.9	20.5	11.6	0.0	85.6
65-74	21.3	85.7	1.3	14.9	41.2	1.8	0.0	71.3
75+	17.1	89.5	1.0	12.2	50.2	1.3	0.0	69.3
Male	18.3	54.4	2.1	25.2	33.2	8.8	0.0	78.5
Female	30.5	56.8	0.2	20.8	31.5	6.4	0.0	78.1
White	18.2	61.1	1.2	24.3	39.1	5.6	0.0	77.7
African American	34.2	46.7	1.5	21.6	18.5	11.4	0.0	79.6
N Am/Alas Native	33.0	50.9	1.2	17.1	36.9	7.2	0.0	80.5
Asian	36.0	46.1	0.5	24.7	24.9	8.6	0.0	74.5
Pacific Islander	30.9	40.3	1.3	31.7	25.1	7.3	0.0	76.2
Mid.-east./Arabian	42.1	34.1	0.0	15.5	20.3	17.0	0.0	71.1
Ind. Subcont.	31.2	26.7	0.1	27.4	21.5	16.0	0.0	76.4
Other/multiracial	30.3	40.0	1.2	12.8	29.6	13.8	0.0	81.4
Unknown	30.8	42.5	0.5	16.2	27.9	14.0	0.0	77.5
Hispanic, Mexican	37.9	42.6	0.6	17.0	20.3	15.8	0.0	82.4
Hispanic, other	34.4	45.6	1.7	12.7	28.5	10.4	0.0	80.2
Hispanic, non-spec.	31.6	37.9	1.0	17.0	20.8	20.8	0.0	74.0
Non-Hispanic	22.1	57.2	1.3	24.3	33.7	6.8	0.0	77.8
Unknown	19.6	52.7	1.3	16.4	37.2	8.7	0.0	78.8
Diabetes	27.9	57.4	1.3	21.9	30.5	6.3	0.0	78.9
Hypertension	21.6	62.8	1.1	18.9	35.7	8.7	0.0	75.7
Glomerulonephritis	18.4	37.2	1.1	34.1	29.7	10.3	0.0	81.5
Cystic kidney	12.0	30.7	1.4	46.1	28.6	7.4	0.0	82.4
Other urologic	21.7	56.7	1.6	23.7	32.3	7.2	0.0	78.4
Other cause	21.9	48.9	1.1	26.9	33.4	7.8	0.0	79.0
Unknown cause	20.8	57.1	1.4	19.3	36.1	10.6	0.0	77.3
Missing	50.0	32.7	5.8	9.6	7.7	13.5	0.0	94.2
All	23.9	55.5	1.2	23.2	32.4	7.7	0.0	78.3



Table C.3 (continued)

Insurance coverage in the incident population (%)*incident patients with completed Medical Evidence forms, 2003-2005, by age, gender, race, ethnicity, & primary diagnosis*

	Medicaid	Medicare	DVA	EGHP	Other	None	Medicare Advantage	Applying for Medicare
0-4	50.4	8.9	0.4	34.5	19.9	3.6	0.2	88.8
5-9	52.2	2.6	0.0	34.5	21.0	5.6	0.0	88.8
10-14	44.6	2.8	0.2	33.8	24.8	8.3	0.0	88.5
15-19	41.8	2.1	0.0	31.6	20.8	12.7	0.0	87.2
20-29	35.8	8.1	0.3	25.9	13.8	25.4	0.0	87.3
30-39	32.8	13.6	0.4	32.2	12.4	20.7	0.1	86.6
40-49	31.8	18.4	1.0	32.5	13.7	17.4	0.1	86.2
50-59	28.4	26.2	2.4	34.0	16.8	11.7	0.2	83.9
60-64	27.2	34.7	2.0	30.5	21.9	9.2	0.3	82.1
65-69	24.2	85.1	1.5	17.2	34.1	2.1	0.7	67.7
70-79	19.7	88.4	1.4	14.5	43.2	1.5	1.0	66.2
80-84	16.4	90.1	1.4	13.3	49.1	1.3	1.1	64.4
85+	17.6	90.5	0.8	11.6	49.9	1.2	1.0	64.5
0-19	45.2	3.5	0.1	33.0	21.6	9.3	0.0	88.0
20-44	33.1	13.7	0.5	31.0	13.0	20.9	0.1	86.7
45-64	28.6	27.6	2.1	32.7	17.9	11.8	0.2	83.7
65-74	22.4	86.3	1.5	15.9	37.7	1.9	0.8	67.3
75+	17.7	89.8	1.2	13.5	47.5	1.3	1.0	64.9
Male	19.8	54.3	2.5	25.3	30.3	9.0	0.5	75.6
Female	31.6	56.9	0.2	21.5	28.8	6.6	0.5	75.2
White	19.7	60.8	1.5	24.5	35.7	6.0	0.6	74.5
African American	34.7	46.6	1.7	22.3	16.3	11.5	0.4	77.1
N Am./Alas Native	41.2	42.8	1.8	14.6	33.4	7.6	0.2	90.1
Asian	37.2	45.6	0.6	24.9	22.9	8.5	0.5	73.3
Pacific Islander	32.9	40.5	1.6	26.6	25.1	8.1	0.3	77.0
Mid.-east./Arabian	45.1	41.6	0.2	17.6	19.3	12.0	0.0	67.7
Ind. Subcont.	33.8	30.0	0.0	26.5	22.1	13.6	0.0	74.9
Other/multiracial	31.3	41.5	1.4	13.7	32.0	12.3	0.1	76.4
Unknown	29.9	46.9	1.1	13.6	24.8	17.7	0.0	74.8
Hispanic, Mexican	40.5	40.2	0.9	16.0	16.8	17.0	0.0	80.5
Hispanic, other	35.2	45.7	1.5	12.6	29.4	10.0	0.0	75.5
Hispanic, non-spec.	40.0	41.1	1.2	18.0	16.1	12.6	2.3	77.0
Non-Hispanic	23.1	57.5	1.6	24.8	31.0	7.0	0.5	75.0
Unknown	22.4	51.3	1.4	16.8	32.7	14.5	0.0	74.9
Diabetes	29.0	57.3	1.7	22.3	27.6	6.6	0.5	75.9
Hypertension	22.7	62.9	1.3	19.4	32.9	8.9	0.6	72.9
Glomerulonephritis	19.1	35.6	1.2	35.2	27.2	11.0	0.3	80.2
Cystic kidney	13.6	28.6	1.3	47.9	25.3	7.4	0.3	81.1
Other urologic	22.2	55.7	1.8	23.5	30.9	8.4	0.5	76.2
Other cause	23.2	49.9	1.3	26.9	31.4	7.4	0.4	75.8
Unknown cause	23.4	54.6	1.8	20.0	31.7	11.0	0.8	73.8
Missing	16.7	50.0	0.0	16.7	0.0	0.0	0.0	50.0
All	25.1	55.5	1.5	23.5	29.6	7.9	0.5	75.4

Table C.3 (continued)

Insurance coverage in the incident population (%)

incident patients with completed Medical Evidence forms, 2006-2008, by age, gender, race, ethnicity, & primary diagnosis

	Medicaid	Medicare	DVA	EGHP	Other	None	Medicare Advantage	Applying for Medicare
0-4	53.3	9.5	0.3	36.0	14.0	2.0	0.3	86.2
5-9	55.5	3.0	0.0	37.2	14.1	4.8	0.5	83.2
10-14	50.6	2.1	0.1	35.0	17.0	5.7	0.0	86.1
15-19	43.5	1.7	0.1	32.7	17.6	12.5	0.2	85.0
20-29	35.1	7.7	0.4	29.1	11.1	24.9	0.3	86.6
30-39	33.6	13.2	0.4	33.9	9.5	20.0	0.6	87.0
40-49	32.1	17.7	0.9	35.4	10.1	16.9	1.0	86.2
50-59	28.7	25.0	2.5	36.3	12.4	11.9	1.8	84.2
60-64	26.0	32.8	3.1	34.5	16.0	8.7	2.9	82.0
65-69	23.2	78.6	1.6	19.9	25.9	1.5	8.1	69.5
70-79	19.4	81.9	1.7	17.3	33.0	1.0	9.3	67.4
80-84	15.9	84.1	1.6	15.9	39.0	0.5	8.8	65.5
85+	16.8	85.2	1.2	14.3	41.0	0.6	8.1	65.3
0-19	48.1	3.3	0.1	34.3	16.4	8.3	0.2	85.3
20-44	33.4	13.2	0.5	33.6	9.9	20.2	0.6	86.8
45-64	28.4	26.3	2.4	35.6	13.1	11.7	2.0	83.8
65-74	22.0	79.9	1.7	18.8	28.2	1.3	8.7	68.7
75+	17.0	83.6	1.5	16.1	37.9	0.7	8.9	66.1
Male	20.0	50.2	2.8	28.3	23.0	8.3	5.1	76.3
Female	31.2	52.7	0.4	24.2	22.0	6.5	5.1	76.1
White	20.3	55.4	1.7	27.2	27.0	5.9	5.9	75.1
African American	33.6	44.0	2.0	25.0	12.3	11.3	3.6	78.4
N Am/Alas Native	36.8	41.6	1.9	16.4	30.7	7.9	1.5	88.4
Asian	37.0	41.5	0.6	27.1	18.6	7.0	3.9	73.7
Pacific Islander								
Mid.-east./Arabian								
Ind. Subcont.	31.7	32.0	1.8	27.4	20.1	10.8	2.5	80.2
Other/multiracial	33.5	42.1	1.8	29.1	25.0	10.1	10.1	80.8
Unknown	0.0	100.0	0.0	0.0	100.0	0.0	0.0	100.0
Hispanic, Mexican								
Hispanic, other	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
Hispanic, non-spec.	38.3	36.4	1.1	17.5	15.0	12.9	6.7	77.9
Non-Hispanic	22.8	53.7	1.8	27.9	23.8	6.7	4.8	75.9
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Diabetes	28.7	52.9	1.9	24.8	20.5	6.5	5.4	76.5
Hypertension	22.7	57.9	1.6	22.2	25.4	8.5	5.7	74.3
Glomerulonephritis	19.4	32.6	1.8	39.2	20.3	9.7	3.3	80.3
Cystic kidney	13.3	26.6	1.3	53.2	18.8	7.0	2.3	81.3
Other urologic	21.0	51.3	1.7	26.6	24.1	7.4	5.7	77.0
Other cause	22.7	46.6	1.4	30.8	24.4	6.9	4.4	76.8
Unknown cause	23.5	50.7	1.9	23.6	25.4	9.5	4.3	73.2
Missing	0.0	0.0	0.0	0.0	50.0	0.0	0.0	50.0
All	24.9	51.3	1.7	26.5	22.6	7.5	5.1	76.2

Table C.4

Incident patient comorbidity (%)*incident patients with completed Medical Evidence forms; percent with comorbidity in each year*

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Congestive heart failure	31.8	32.8	32.5	31.6	32.2	31.8	31.0	31.6	31.9	32.7	33.2	31.8	31.7
Atherosclerotic heart disease ASHD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	13.8	22.1	21.0	20.4
Other cardiac disease	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	9.3	15.5	16.0	16.7
Cerebrovascular disease, CVA, TIA*	8.6	9.1	9.1	9.1	9.2	9.5	9.3	9.3	9.0	9.4	9.7	9.2	9.3
Peripheral vascular disease*	14.0	14.6	14.7	14.3	14.4	14.3	13.9	14.1	13.9	14.1	14.7	13.9	13.6
History of hypertension	70.0	72.0	73.8	75.1	76.5	78.3	79.2	80.1	80.7	80.5	83.3	83.7	84.4
Amputation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	3.2	3.1	3.1
Diabetes, currently on insulin	22.9	23.4	23.3	23.2	23.2	22.6	22.3	22.7	22.9	28.6	33.9	34.9	35.8
Diabetes, on oral medications	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	8.6	13.4	13.2	12.9
Diabetes, without medications	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.7	5.3	5.0	5.0
Diabetic retinopathy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	8.9	8.5	8.3
Chronic obstructive pulmonary disease	6.7	7.0	7.0	7.1	7.4	7.5	7.5	7.9	8.1	8.5	8.8	8.7	9.0
Tobacco use (current smoker)	5.7	5.4	5.2	5.0	4.9	5.0	5.0	5.0	5.0	5.7	6.2	6.2	6.1
Malignant neoplasm, Cancer	4.7	4.9	5.2	5.3	5.6	5.9	6.2	6.2	6.2	7.0	7.2	7.2	7.3
Toxic nephropathy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5	0.4
Alcohol dependence	1.8	1.6	1.4	1.4	1.4	1.3	1.3	1.3	1.4	1.5	1.6	1.6	1.6
Drug dependence	1.1	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.2	1.4	1.4	1.4
Inability to ambulate	4.5	4.2	4.0	3.9	4.1	3.9	4.1	4.2	4.2	5.9	6.8	6.8	6.8
Inability to transfer	1.6	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.7	2.6	3.3	3.4	3.5
Needs assistance with daily activities										6.7	10.8	11.2	11.5
Institutionalized										4.4	6.5	6.9	7.2
Institutionalized - Assisted Living										0.4	0.6	0.6	0.6
Institutionalized - Nursing Home										4.2	6.2	6.7	6.9
Institutionalized - Other Institution										0.3	0.5	0.5	0.5
Non-renal congenital abnormality										0.2	0.3	0.3	0.4
None.										1.7	2.7	2.6	2.5
All	74,615	80,343	85,628	89,089	93,075	96,739	98,930	101,380	103,739	105,829	109,827	110,065	111,093

Table C.5

Time spent on hemodialysis therapy*incident patients with completed Medical Evidence forms*

	Sessions			Hours		
	per week	N	%N	per session	N	%N
2006	1	32	0	1	11	0
	2	1,364	1.4	2	546	0.5
	3	97,813	97.3	3	37,960	37.7
	4	1,267	1.3	4	61,053	60.7
	5	25	0	5	922	0.9
	6	55	0.1	6	24	0
	7	*	*	7	*	*
				8	35	0
2007	1	49	0	1	18	0
	2	1,477	1.5	2	517	0.5
	3	98,179	97.3	3	35,939	35.6
	4	1,064	1.1	4	63,508	62.9
	5	51	0.1	5	863	0.9
	6	94	0.1	6	22	0
	7	*	*	7	*	*
				8	40	0
2008	1	42	0	1	35	0
	2	1,461	1.4	2	549	0.5
	3	99,118	97.2	3	35,483	34.8
	4	1,113	1.1	4	64,881	63.7
	5	77	0.1	5	876	0.9
	6	115	0.1	6	38	0
	7	*	*	7	12	0
				8	51	0.1



Table D.1

Percentages & counts of reported ESRD patients: by treatment modality*incident & December 31 point prevalent patients*

INCIDENT COUNTS	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
Modality													
Dialysis	17,646	29,993	49,764	69,175	92,802	95,971	98,041	100,681	102,724	104,854	108,429	108,477	109,832
Started with a transplant	336	541	1,100	1,220	1,735	1,818	1,934	2,000	2,247	2,405	2,625	2,641	2,644
Dialysis type													
Center hemodialysis	15,493	24,011	40,977	58,349	84,686	87,877	90,474	92,948	94,936	97,254	101,029	101,252	102,306
Center self hemodialysis	.	.	.	51	28	45	53	47	28	31	32	44	50
Home hemodialysis	159	393	573	734	414	384	274	436	477	444	422	440	520
CAPD	981	4,028	5,907	7,289	5,002	4,973	4,677	4,739	4,724	4,705	4,431	4,153	4,139
CCPD	*	138	609	2,120	2,447	2,495	2,346	2,325	2,369	2,228	2,304	2,358	2,438
Other PD	674	585	662	172	86	71	103	70	60	46	33	26	36
Uncertain dialysis	336	838	1,036	460	139	126	114	116	130	146	178	204	343
All	17,982	30,534	50,864	70,395	94,537	97,789	99,975	102,681	104,971	107,259	111,054	111,118	112,476
PERCENTAGES													
Modality													
Dialysis	98.1	98.2	97.8	98.3	98.2	98.1	98.1	98.1	97.9	97.8	97.6	97.6	97.6
Started with a transplant	1.9	1.8	2.2	1.7	1.8	1.9	1.9	1.9	2.1	2.2	2.4	2.4	2.4
Dialysis type													
Center hemodialysis	87.8	80.1	82.3	84.3	91.3	91.6	92.3	92.3	92.4	92.8	93.2	93.3	93.1
Center self hemodialysis	.	.	.	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Home hemodialysis	0.9	1.3	1.2	1.1	0.4	0.4	0.3	0.4	0.5	0.4	0.4	0.4	0.5
CAPD	5.6	13.4	11.9	10.5	5.4	5.2	4.8	4.7	4.6	4.5	4.1	3.8	3.8
CCPD	0.0	0.5	1.2	3.1	2.6	2.6	2.4	2.3	2.3	2.1	2.1	2.2	2.2
Other PD	3.8	2.0	1.3	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Uncertain dialysis	1.9	2.8	2.1	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3
All	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
POINT PREVALENT COUNTS													
Modality													
Dialysis	49,882	86,518	135,988	209,737	283,839	296,853	308,898	320,498	331,871	343,449	356,381	369,140	382,343
Functioning graft	10,151	26,565	50,647	78,051	108,726	115,238	122,101	128,855	136,262	143,662	151,387	158,606	165,639
Dialysis type													
Center hemodialysis	44,220	67,531	111,606	174,505	254,994	268,324	280,473	291,632	302,899	314,097	326,671	338,539	350,617
Center self hemodialysis	.	*	.	506	267	316	271	193	184	138	102	142	157
Home hemodialysis	2,020	5,820	2,978	3,065	2,185	1,884	1,761	1,910	2,053	2,230	2,601	3,225	3,826
CAPD	891	10,537	16,889	22,242	13,311	12,526	11,659	11,366	10,992	10,857	10,482	9,940	9,649
CCPD	*	541	1,978	7,798	11,894	12,737	13,705	14,433	14,790	15,164	15,589	16,247	16,868
Other PD	1,410	861	482	215	71	69	77	55	47	37	34	24	29
Uncertain dialysis	1,337	1,227	2,055	1,406	1,117	997	952	909	906	926	902	1,023	1,197
All	60,033	113,083	186,635	287,788	392,565	412,091	430,999	449,353	468,133	487,111	507,768	527,746	547,982
PERCENTAGES													
Modality													
Dialysis	83.1	76.5	72.9	72.9	72.3	72.0	71.7	71.3	70.9	70.5	70.2	69.9	69.8
Functioning graft	16.9	23.5	27.1	27.1	27.7	28.0	28.3	28.7	29.1	29.5	29.8	30.1	30.2
Dialysis type													
Center hemodialysis	88.6	78.1	82.1	83.2	89.8	90.4	90.8	91.0	91.3	91.5	91.7	91.7	91.7
Center self hemodialysis	.	0.0	.	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Home hemodialysis	4.0	6.7	2.2	1.5	0.8	0.6	0.6	0.6	0.6	0.6	0.7	0.9	1.0
CAPD	1.8	12.2	12.4	10.6	4.7	4.2	3.8	3.5	3.3	3.2	2.9	2.7	2.5
CCPD	0.0	0.6	1.5	3.7	4.2	4.3	4.4	4.5	4.5	4.4	4.4	4.4	4.4
Other PD	2.8	1.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uncertain dialysis	2.7	1.4	1.5	0.7	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
All	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Table D.10

Incident ESRD patients, 2008, by treatment modality*by age, gender, race, ethnicity, & primary diagnosis*

	Center hemo	Center self hemo	Home hemo	CAPD	CCPD	Other PD	Uncertain dialysis	Transplant	All
0-4	41	.	.	*	153	*	*	21	225
5-9	52	.	.	*	49	.	*	41	146
10-14	127	.	.	*	89	.	*	55	282
15-19	467	.	*	22	92	*	*	100	690
20-29	2,379	*	*	155	88	*	20	151	2,805
30-39	5,085	*	17	328	207	*	38	300	5,979
40-49	10,615	*	59	606	344	*	47	550	12,229
50-59	20,031	*	122	951	514	*	92	715	22,439
60-64	12,145	*	61	522	288	*	55	349	13,427
65-69	12,218	*	46	456	187	*	28	224	13,171
70-79	23,413	*	108	789	307	*	37	133	24,807
80-84	9,494	*	57	205	77	*	*	.	9,856
85+	6,236	*	38	90	43	*	*	.	6,417
Unknown	*	.	.	.	.	.	.	.	*
0-19	687	.	*	37	383	*	13	217	1,343
20-44	11,752	*	52	743	430	*	79	695	13,758
45-64	38,503	18	217	1,819	1,011	*	173	1,370	43,121
65-74	24,097	15	99	900	369	*	55	331	25,874
75+	27,264	13	150	640	245	11	23	31	28,377
Unknown	*	.	.	.	.	.	.	.	*
Male	57,784	34	312	2,268	1,372	27	195	1,491	63,483
Female	44,518	16	208	1,871	1,066	*	144	1,153	48,985
Unknown	*	.	.	.	.	.	*	.	*
White	66,645	39	337	2,966	1,719	26	116	1,774	73,622
African American	29,988	*	154	831	579	*	48	226	31,840
Native American	1,134	*	*	47	20	.	*	73	1,281
Asian	4,217	*	20	283	100	*	25	525	5,176
Other/unknown	322	.	*	12	20	.	152	46	557
Hispanic	14,505	*	39	479	367	*	12	204	15,608
Non-Hispanic	87,801	49	481	3,660	2,071	35	331	2,440	96,868
Diabetes	46,208	21	157	1,726	843	14	33	480	49,482
Hypertension	29,234	13	220	1,076	493	*	20	285	31,349
Glomerulonephritis	6,046	*	20	551	368	*	16	474	7,482
Cystic kidney	1,759	*	28	255	159	*	*	457	2,671
Other urologic	1,393	*	*	46	37	*	.	86	1,567
Other cause	12,917	*	56	335	429	*	40	491	14,277
Unknown cause	4,004	*	27	127	97	*	12	128	4,399
Missing cause	745	*	*	23	12	*	214	243	1,249
All	102,306	50	520	4,139	2,438	36	343	2,644	112,476



Table D.11

Point prevalent ESRD patients, 2008, by treatment modality*December 31 point prevalent patients, by age, gender, race, ethnicity, & primary diagnosis*

	Center hemo	Center self hemo	Home hemo	CAPD	CCPD	Other PD	Uncertain dialysis	Transplant	All
0-4	69	.	*	*	230	*	*	282	600
5-9	83	.	*	*	98	.	*	839	1,032
10-14	229	.	*	19	187	.	14	1,447	1,901
15-19	880	*	14	39	278	*	27	2,832	4,074
20-29	8,502	*	125	360	837	.	107	8,658	18,596
30-39	20,996	20	418	931	1,702	*	157	19,629	43,854
40-49	43,570	28	670	1,645	2,704	*	225	35,867	84,710
50-59	75,344	34	969	2,474	3,759	*	287	45,378	128,249
60-64	44,056	28	453	1,250	1,924	*	151	20,534	68,399
65-69	41,918	14	375	965	1,721	*	86	15,179	60,262
70-79	71,993	11	539	1,426	2,514	*	91	13,640	90,223
80-84	25,912	*	157	365	602	*	22	1,132	28,201
85+	17,063	*	95	165	312	.	17	222	17,879
Unknown	*	.	.	.	.	.	.	.	*
0-19	1,261	*	25	68	793	*	54	5,400	7,607
20-44	47,630	40	851	2,037	3,703	*	363	44,215	98,840
45-64	144,838	77	1,784	4,623	7,223	*	564	85,851	244,968
65-74	80,345	20	677	1,778	3,113	12	142	24,532	110,619
75+	76,541	19	489	1,143	2,036	*	74	5,641	85,946
Unknown	*	.	.	.	.	.	.	.	*
Male	193,606	107	2,302	4,854	9,024	17	659	98,641	309,210
Female	157,006	50	1,524	4,795	7,844	12	534	66,997	238,762
Unknown	*	.	.	.	.	.	*	*	*
White	192,644	81	2,491	6,225	11,191	18	616	120,234	333,500
African American	133,612	67	1,146	2,499	4,362	*	304	31,657	173,652
Native American	5,088	*	28	142	189	.	12	1,830	7,290
Asian	16,432	*	139	719	976	*	66	9,602	27,945
Other/unknown	2,841	.	22	64	150	*	199	2,316	5,595
Hispanic	56,994	13	265	1,276	2,402	*	125	21,532	82,613
Non-Hispanic	293,623	144	3,561	8,373	14,466	23	1,072	144,107	465,369
Diabetes	156,918	40	1,177	3,464	5,466	*	220	38,432	205,724
Hypertension	99,985	56	929	2,514	4,007	*	172	25,867	133,537
Glomerulonephritis	33,943	29	720	1,650	3,106	*	241	43,575	83,268
Cystic kidney	8,656	*	224	491	887	*	51	15,778	26,094
Other urologic	6,597	*	108	182	407	*	30	5,736	13,065
Other cause	31,086	19	516	961	2,272	*	156	24,273	59,288
Unknown cause	12,457	*	137	354	695	.	30	7,512	21,188
Missing cause	975	*	15	33	28	*	297	4,466	5,818
All	350,617	157	3,826	9,649	16,868	29	1,197	165,639	547,982

by age, gender, race, ethnicity, & primary diagnosis

This section of the celestial map depicts the constellations Cancer, Hydra, and Leo. Cancer is shown as a crab, Hydra as a multi-headed serpent, and Leo as a lion. The map includes various star patterns, mythological figures, and Latin labels such as 'CANCER', 'HYDRA CONSTELLATIO', and 'LEO'. It also features a grid of celestial coordinates and a scale bar at the bottom.

Table D.17 (continued)

Counts of incident ESRD patients, by payor category: all patients*by age, gender, race, ethnicity, & primary diagnosis*

	2008		MSP		Other/		All
	M'care FFS	M'care/ Mcaid	EGHP	Non-EGHP	HMO	unk	
0-4	52	20	39	*	*	112	225
5-9	27	16	25	.	.	78	146
10-14	100	23	38	.	.	121	282
15-19	229	27	126	*	*	306	690
20-29	1,185	175	394	*	17	1,032	2,805
30-39	2,448	569	969	16	99	1,878	5,979
40-49	4,747	1,250	2,189	39	368	3,636	12,229
50-59	8,446	2,330	4,314	150	1,134	6,065	22,439
60-64	5,265	1,338	2,375	123	1,073	3,253	13,427
65-69	6,133	2,505	868	130	2,933	602	13,171
70-79	12,940	4,168	545	297	6,172	685	24,807
80-84	5,717	1,394	50	137	2,332	226	9,856
85+	3,845	984	23	76	1,350	139	6,417
Unknown	.	.	.	.	.	*	*
0-19	408	86	228	*	*	617	1,343
20-44	5,586	1,248	2,245	35	234	4,410	13,758
45-64	16,505	4,414	7,996	295	2,457	11,454	43,121
65-74	12,524	4,790	1,245	286	6,056	973	25,874
75+	16,111	4,261	241	354	6,731	679	28,377
Unknown	.	.	.	.	.	*	*
Male	30,562	6,298	7,329	654	8,631	10,009	63,483
Female	20,571	8,500	4,626	318	6,849	8,121	48,985
Unknown	*	*	.	.	.	*	*
White	36,034	8,194	7,963	693	10,780	9,958	73,622
African American	12,975	5,352	3,294	253	4,077	5,889	31,840
Native American	590	252	112	*	55	265	1,281
Asian	1,448	967	552	19	549	1,641	5,176
Other/unknown	87	34	34	.	19	383	557
†Hispanic	5,321	2,697	1,234	67	2,423	3,866	15,608
†Non-Hispanic	45,813	12,102	10,721	905	13,057	14,270	96,868
Diabetes	21,594	7,754	5,133	431	7,434	7,136	49,482
Hypertension	15,682	4,055	2,388	282	4,836	4,106	31,349
Glomerulonephritis	3,299	567	1,430	40	579	1,567	7,482
Cystic kidney	986	151	775	*	144	608	2,671
Other urologic	771	166	180	16	207	227	1,567
Other cause	6,333	1,448	1,584	134	1,578	3,200	14,277
Unknown cause	2,037	498	377	42	590	855	4,399
Missing cause	432	160	88	20	112	437	1,249
All	51,134	14,799	11,955	972	15,480	18,136	112,476

Table D.21

Counts of point prevalent ESRD patients, by payor category: all patients

December 31 point prevalent patients, by age, gender, race, ethnicity, & primary diagnosis

	2000							2004						
	M'care FFS	M'care/ Mcaid	MSP EGHP	Non-EGHP	HMO	Other/ unk	All	M'care FFS	M'care/ Mcaid	MSP EGHP	Non-EGHP	HMO	Other/ unk	All
0-4	65	127	99	*	*	178	476	69	166	100	*	.	194	535
5-9	121	277	105	*	*	389	897	105	225	100	*	*	564	1,002
10-14	311	455	191	*	*	816	1,791	245	406	238	*	*	987	1,886
15-19	600	899	411	22	13	1,365	3,310	560	932	442	21	13	1,815	3,783
20-29	3,375	6,832	1,696	127	192	4,549	16,771	3,135	6,631	1,581	148	131	5,486	17,112
30-39	11,060	14,245	4,797	365	748	10,405	41,620	10,691	15,050	4,772	499	537	11,072	42,621
40-49	22,137	20,031	8,789	597	1,632	15,903	69,089	22,891	24,465	9,679	832	1,376	18,963	78,206
50-59	31,233	21,199	11,135	615	2,949	15,605	82,736	38,263	28,293	14,087	1,022	2,838	21,720	106,223
60-64	17,025	10,328	4,527	247	2,103	6,188	40,418	21,365	13,138	5,977	373	2,063	9,039	51,955
65-69	21,307	11,181	1,819	214	4,484	1,331	40,336	25,523	14,244	2,590	319	3,882	1,835	48,393
70-79	40,525	16,089	666	308	9,374	1,307	68,269	46,201	20,010	1,012	430	9,482	1,894	79,029
80-84	11,349	3,770	56	45	2,523	240	17,983	15,532	5,154	104	115	3,008	418	24,331
85+	5,538	1,990	20	18	1,136	167	8,869	8,404	2,767	21	35	1,542	286	13,055
Unknown	.	.	.	.	.	.	.	.	*	.	.	.	*	*
0-19	1,097	1,758	806	38	27	2,748	6,474	979	1,729	880	39	19	3,560	7,206
20-44	23,991	30,746	10,290	761	1,614	22,455	89,857	23,449	32,828	10,537	1,025	1,222	25,207	94,268
45-64	60,839	41,889	20,654	1,190	6,010	30,195	160,777	72,896	54,749	25,559	1,849	5,723	41,073	201,849
65-74	42,900	20,490	2,299	406	9,654	2,147	77,896	49,972	25,703	3,332	601	8,897	3,004	91,509
75+	35,819	12,540	262	179	7,863	898	57,561	45,688	16,472	395	298	9,017	1,429	73,299
Unknown	.	.	.	.	.	.	.	.	*	.	.	.	*	*
Male	97,844	49,267	20,413	1,754	14,077	31,368	214,723	115,858	62,807	24,415	2,560	13,876	40,532	260,048
Female	66,802	58,156	13,898	820	11,091	27,074	177,841	77,126	68,675	16,288	1,252	11,002	33,741	208,084
Unknown	.	.	.	.	.	*	*	.	.	.	.	.	*	*
White	110,803	49,263	24,338	1,787	17,042	37,372	240,605	129,121	61,785	28,278	2,527	16,713	47,485	285,909
African American	46,317	50,331	8,208	685	6,265	14,936	126,742	54,171	59,175	10,019	1,110	5,981	18,162	148,618
Native American	1,927	2,129	321	41	79	914	5,411	2,258	2,605	336	55	85	978	6,317
Asian	4,562	4,919	1,299	54	1,664	3,266	15,764	5,874	6,562	1,771	108	1,947	4,500	20,762
Other/unknown	1,037	781	145	*	118	1,955	4,043	1,560	1,355	299	12	152	3,149	6,527
†Hispanic	15,036	17,619	2,916	166	3,860	8,419	48,016	18,745	24,149	3,680	328	4,018	13,142	64,062
†Non-Hispanic	149,610	89,804	31,395	2,408	21,308	50,024	344,549	174,239	107,333	37,023	3,484	20,860	61,132	404,071
Diabetes	58,323	42,534	13,088	743	10,879	13,847	139,414	72,727	54,648	15,037	1,175	10,887	17,997	172,471
Hypertension	43,705	29,386	5,366	496	7,148	10,060	96,161	51,044	35,980	6,720	750	7,106	12,992	114,592
Glomerulonephritis	27,910	16,004	7,156	624	3,039	14,493	69,226	29,656	17,759	8,317	868	2,825	17,730	77,155
Cystic kidney	8,249	2,589	2,392	161	902	3,822	18,115	9,214	3,082	3,052	216	908	5,016	21,488
Other urologic	4,955	2,932	1,008	99	626	2,278	11,898	5,546	3,419	1,208	136	623	2,837	13,769
Other cause	15,100	10,200	4,077	343	1,660	8,590	39,970	17,172	11,788	4,869	491	1,682	10,948	46,950
Unknown cause	5,740	3,560	978	73	848	3,180	14,379	6,682	4,494	1,193	137	770	4,153	17,429
Missing cause	664	218	246	35	66	2,173	3,402	943	312	307	39	77	2,601	4,279
All	164,646	107,423	34,311	2,574	25,168	58,443	392,565	192,984	131,482	40,703	3,812	24,878	74,274	468,133



Table D.21 (continued)

Counts of point prevalent ESRD patients, by payor category: all patients*December 31 point prevalent patients, by age, gender, race, ethnicity, & primary diagnosis*

	2008		MSP		Other /		All
	M'care FFS	M'care/ Mcaid	EGHP	Non-EGHP	HMO	unk	
0-4	65	177	100	*	*	252	600
5-9	85	204	71	13	*	657	1,032
10-14	179	376	140	17	*	1,183	1,901
15-19	467	909	429	17	27	2,225	4,074
20-29	3,062	6,810	1,433	151	331	6,809	18,596
30-39	10,512	15,063	4,162	482	1,133	12,502	43,854
40-49	23,563	25,645	9,493	1,013	3,007	21,989	84,710
50-59	42,451	34,079	14,996	1,309	6,540	28,874	128,249
60-64	26,696	15,471	7,223	753	4,917	13,339	68,399
65-69	30,177	15,211	3,312	476	8,232	2,854	60,262
70-79	47,882	21,277	1,401	631	16,321	2,711	90,223
80-84	16,370	5,475	103	133	5,482	638	28,201
85+	10,663	3,411	39	86	3,175	505	17,879
Unknown	.	*	.	.	.	*	*
0-19	796	1,666	740	49	39	4,317	7,607
20-44	23,466	33,269	9,544	1,068	2,613	28,880	98,840
45-64	82,818	63,799	27,763	2,640	13,315	54,633	244,968
65-74	56,349	27,686	4,384	834	16,905	4,461	110,619
75+	48,743	17,688	471	492	16,305	2,247	85,946
Unknown	.	*	.	.	.	*	*
Male	129,065	70,900	26,103	3,419	27,296	52,427	309,210
Female	83,106	73,208	16,799	1,664	21,881	42,104	238,762
Unknown	*	*	.	.	.	*	*
White	139,929	69,178	29,543	3,304	31,637	59,909	333,500
African American	61,336	63,012	10,818	1,569	14,153	22,764	173,652
Native American	2,443	2,840	395	76	245	1,291	7,290
Asian	7,382	8,008	2,016	118	2,955	7,466	27,945
Other/unknown	1,082	1,071	130	16	187	3,109	5,595
†Hispanic	21,989	28,432	4,220	460	8,339	19,173	82,613
†Non-Hispanic	190,183	115,677	38,682	4,623	40,838	75,366	465,369
Diabetes	81,636	60,842	15,607	1,676	22,279	23,684	205,724
Hypertension	55,376	39,352	7,376	993	13,466	16,974	133,537
Glomerulonephritis	30,420	17,600	8,155	1,059	4,838	21,196	83,268
Cystic kidney	10,530	3,450	3,321	295	1,776	6,722	26,094
Other urologic	4,838	3,038	949	153	906	3,181	13,065
Other cause	20,879	13,947	5,733	647	3,988	14,094	59,288
Unknown cause	7,185	5,333	1,367	200	1,664	5,439	21,188
Missing cause	1,308	547	394	60	260	3,249	5,818
All	212,172	144,109	42,902	5,083	49,177	94,539	547,982

Table E.4

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

	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
<1	.	.	7.3	4.8	8.4	3.5	12.0	8.0	10.1	13.2	10.5	17.7	13.1
1-4	3.7	4.4	18.6	21.3	22.1	33.6	23.0	26.5	37.5	31.4	33.9	37.0	34.2
5-9	1.8	7.4	21.7	28.8	27.5	32.3	30.0	28.7	31.2	29.4	33.5	35.9	44.0
10-17	1.0	6.3	29.3	28.2	31.1	34.4	34.9	35.4	38.0	36.9	36.0	37.4	38.5
18-29	1.0	4.9	23.6	28.9	32.3	33.3	35.0	36.9	37.2	36.9	36.7	37.1	37.1
30-39	0.6	3.6	18.2	24.1	29.7	30.6	32.1	33.7	33.9	34.4	34.6	34.8	34.6
40-49	0.2	2.4	14.1	19.2	23.1	24.0	25.5	26.5	26.6	27.3	27.6	28.7	28.7
50-59	0.0	0.8	7.5	12.5	17.7	18.6	19.9	20.9	21.3	21.6	22.1	22.4	22.6
60-64	0.0	0.2	3.3	6.6	11.8	13.1	14.3	15.3	16.0	16.4	17.1	18.1	18.6
65-69	.	0.1	1.4	3.5	7.1	8.3	9.4	10.6	11.4	12.1	12.8	13.6	14.3
70-79	.	0.0	0.3	0.6	1.9	2.2	2.7	3.2	3.6	4.0	4.5	4.9	5.2
80-84	.	.	0.0	0.1	0.2	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.6
85+	.	.	0.1	.	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0-17	1.2	5.9	25.7	26.2	28.0	31.8	31.8	31.9	34.7	33.5	33.2	35.3	36.1
18-44	0.6	3.7	18.6	23.9	28.4	29.3	30.8	32.3	32.5	33.1	33.3	33.7	33.5
45-64	0.0	0.8	7.2	12.0	16.9	17.9	19.2	20.2	20.5	20.9	21.3	22.0	22.3
65-74	.	0.0	1.0	2.2	5.0	5.8	6.7	7.8	8.4	9.1	9.8	10.4	10.9
75+	.	.	0.1	0.2	0.5	0.6	0.7	0.8	0.9	1.1	1.2	1.4	1.5
Male	0.2	1.4	8.2	11.0	14.0	14.6	15.5	16.3	16.7	17.1	17.5	17.9	18.1
Female	0.2	1.4	6.5	8.8	11.5	12.2	13.1	13.9	14.2	14.5	14.9	15.5	15.7
White	0.2	1.3	7.6	9.9	12.2	12.7	13.4	14.2	14.5	14.8	15.2	15.7	15.9
African American	0.3	1.5	6.6	9.7	13.1	13.9	14.8	15.5	15.9	16.3	16.7	17.3	17.5
Native American	0.3	1.6	7.8	9.6	10.8	11.9	13.3	14.0	13.5	14.2	14.5	15.0	15.5
Asian	0.6	1.6	14.0	15.6	20.7	21.7	23.2	24.4	25.0	25.2	25.2	25.6	25.6
†Hispanic	0.4	2.3	12.0	11.3	14.7	15.7	16.7	17.9	18.7	19.3	20.0	20.4	20.4
†Non-Hispanic	0.2	1.3	7.1	9.8	12.5	13.2	14.0	14.7	15.0	15.3	15.6	16.1	16.4
Diabetes	0.0	0.4	4.6	6.5	9.1	9.7	10.5	11.3	11.7	12.1	12.7	13.2	13.5
Hypertension	0.2	1.0	5.3	7.7	10.7	11.4	11.9	12.7	13.1	13.5	13.8	14.1	14.2
Glomerulonephritis	0.5	2.7	13.1	18.4	23.7	25.0	26.7	28.0	28.6	29.4	29.9	31.0	31.2
Other cause	0.2	1.4	9.0	13.1	16.5	17.5	18.6	19.8	20.0	20.3	20.6	21.4	21.8
All	0.2	1.4	7.4	10.0	12.8	13.5	14.4	15.2	15.5	15.9	16.3	16.8	17.0



Table E.6

Renal transplants, by donor type

	Deceased	Living (Total)	Living donor relation						Unk.	Unk.	Total
			Related	Distantly related	Spouse/ life partner	Paired exchange	Unrelated directed	Non- directed			
1980	2,580	913	.	.	.	.	.	.	913	293	3,786
1981	2,868	1,135	.	.	.	.	.	.	1,135	224	4,227
1982	3,401	1,550	.	.	.	.	.	.	1,550	161	5,112
1983	3,964	1,710	.	.	.	.	.	.	1,710	200	5,874
1984	4,611	1,927	.	.	.	.	.	.	1,927	204	6,742
1985	4,939	2,328	.	.	.	.	.	.	2,328	238	7,505
1986	5,777	2,856	.	.	.	.	.	.	2,856	251	8,884
1987	6,050	2,694	.	.	.	.	.	.	2,694	190	8,934
1988	7,276	1,838	1,648	37	40	.	30	*	82	128	9,242
1989	7,104	1,919	1,731	31	54	.	31	.	72	126	9,149
1990	7,799	2,096	1,773	47	59	.	30	.	187	140	10,035
1991	7,744	2,403	2,193	48	59	.	47	.	56	124	10,271
1992	7,692	2,544	2,260	71	80	.	78	.	55	172	10,408
1993	8,187	2,872	2,457	100	120	.	69	.	126	111	11,170
1994	8,382	3,009	2,375	127	134	*	76	.	296	114	11,505
1995	8,610	3,395	2,793	181	260	.	155	.	*	160	12,165
1996	8,582	3,683	2,839	214	362	.	223	.	*	43	12,395
1997	8,619	3,938	3,000	233	381	.	274	.	*	47	116
1998	9,004	4,421	3,157	296	547	.	362	*	*	56	182
1999	8,976	4,723	3,286	348	577	.	476	*	*	29	149
2000	9,034	5,496	3,619	411	668	*	773	20	*	99	14,629
2001	9,115	6,042	3,885	468	716	*	926	28	*	73	15,230
2002	9,442	6,236	3,848	494	721	*	1,108	54	*	.	71
2003	9,530	6,473	3,850	478	732	19	1,307	75	*	*	71
2004	10,234	6,647	3,830	510	803	34	1,383	80	*	*	62
2005	10,811	6,570	3,696	506	833	27	1,426	69	11	*	69
2006	11,576	6,432	3,508	492	824	74	1,451	58	22	*	51
2007	11,451	6,043	3,181	491	798	121	1,276	79	91	*	25
2008	11382	5968	3045	463	757	240	1281	80	99	*	63

Table E.9

Renal transplant rates, by donor type*by age, gender, race, ethnicity, & primary diagnosis, per 100 dialysis patient years*

ALL	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
<1	77.6	52.9	34.1	41.4	36.4	48.4	51.2	49.0	42.8	45.0	50.6	42.1	33.9
1-4	36.6	68.6	72.1	43.8	48.6	62.0	54.2	62.5	60.5	56.7	59.7	65.9	46.7
5-9	54.4	76.8	59.1	51.5	42.9	45.3	49.9	51.5	40.6	51.3	48.1	49.7	49.4
10-17	31.1	44.1	41.2	45.6	38.0	39.4	38.8	41.9	37.5	44.9	48.8	42.9	43.5
18-29	21.5	26.3	23.9	18.5	15.5	15.2	14.1	14.4	14.7	14.0	14.0	12.1	12.0
30-39	14.9	19.5	16.9	13.8	11.9	11.8	11.6	10.9	11.3	10.4	10.0	9.6	8.6
40-49	9.5	13.1	12.3	9.6	8.6	8.4	8.2	7.9	8.0	7.8	7.6	7.0	6.7
50-59	3.5	5.5	6.8	6.0	5.9	5.9	6.0	5.8	6.0	5.8	5.8	5.5	5.1
60-64	0.5	1.7	2.7	3.2	3.6	3.8	3.8	4.0	4.1	4.3	4.2	4.2	4.2
65-69	0.2	0.5	1.2	1.5	2.2	2.2	2.5	2.7	2.8	3.1	3.2	3.0	3.0
70-79	.	0.1	0.2	0.3	0.5	0.6	0.7	0.7	0.8	1.0	1.0	1.0	1.1
80-84	.	0.1	.	.	0.1	.	.	0.1	0.1	0.1	0.1	0.1	0.1
85+	0.8	0.4	0.2	.	.	.	.	.	.	.	.	.	.
0-17	35.0	50.7	46.1	46.2	39.5	42.6	42.5	45.2	39.9	46.6	49.7	45.5	43.8
18-44	16.1	20.3	17.8	13.8	11.7	11.5	11.1	10.8	10.9	10.4	10.1	9.4	8.7
45-64	3.7	5.4	6.2	5.7	5.7	5.8	5.7	5.6	5.7	5.6	5.6	5.3	5.0
65-74	0.2	0.3	0.8	1.0	1.5	1.5	1.8	1.9	2.0	2.3	2.4	2.3	2.3
75+	.	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
Male	8.5	10.0	8.5	6.6	5.5	5.5	5.4	5.3	5.3	5.3	5.3	4.9	4.6
Female	6.2	6.9	6.1	4.6	4.3	4.3	4.3	4.1	4.2	4.2	4.1	3.8	3.7
White	8.6	10.1	9.1	7.1	6.4	6.2	6.2	5.9	5.8	5.7	5.6	5.1	4.8
African American	4.8	5.4	4.2	3.5	3.0	3.1	3.1	3.1	3.1	3.2	3.2	3.0	2.9
Native American	6.0	8.4	5.4	4.1	3.6	3.6	3.2	3.3	3.7	3.4	4.6	4.4	4.3
Asian	11.9	9.5	9.9	5.9	5.4	5.3	5.1	5.3	5.5	5.5	6.6	7.5	7.2
†Hispanic	11.1	14.3	10.3	6.0	4.7	4.7	4.7	4.5	4.5	4.5	4.4	4.1	4.0
†Non-Hispanic	7.4	8.3	7.2	5.6	5.0	5.0	4.9	4.8	4.9	4.8	4.8	4.5	4.3
Diabetes	9.3	9.0	6.2	4.3	3.4	3.3	3.4	3.2	3.3	3.2	3.1	3.0	2.8
Hypertension	5.2	5.1	4.1	3.3	3.0	3.1	3.0	2.8	3.0	3.1	3.1	3.0	2.9
Glomerulonephritis	11.4	12.6	11.7	9.9	9.5	9.2	9.5	9.4	9.7	9.4	9.7	8.8	8.4
Other cause	6.3	8.2	9.2	8.2	7.9	7.9	7.6	7.9	7.7	7.8	7.6	7.0	6.6
All	7.5	8.5	7.4	5.7	5.0	4.9	4.9	4.8	4.8	4.8	4.8	4.4	4.2



Table E.9 (continued)

Renal transplant rates, by donor type*age, gender, race, ethnicity, & primary diagnosis, per 100 dialysis patient-years*

DECEASED DONORS													
	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
<1	49.4	34.8	13.2	10.1	9.1	10.3	7.4	12.7	10.7	12.8	20.1	20.4	15.0
1-4	21.3	40.9	38.9	17.6	17.5	17.6	24.1	25.0	21.9	25.4	37.1	35.6	23.6
5-9	29.2	37.8	32.9	21.2	18.4	18.9	21.3	24.1	20.2	26.5	29.6	29.6	32.1
10-17	18.0	24.8	23.2	22.2	17.9	16.8	16.8	20.5	20.3	25.4	33.5	28.4	28.2
18-29	12.9	16.3	16.2	11.4	7.9	7.0	6.7	6.2	6.4	6.4	6.5	5.6	5.8
30-39	10.2	13.0	12.9	9.6	7.2	7.0	6.8	6.2	6.6	6.2	6.0	6.0	5.3
40-49	7.2	9.2	10.3	7.2	5.4	5.1	5.0	4.8	4.9	4.8	4.8	4.5	4.3
50-59	2.9	3.8	5.9	4.6	3.9	3.9	3.8	3.6	3.8	3.7	3.9	3.7	3.4
60-64	0.4	1.2	2.5	2.5	2.5	2.4	2.6	2.7	2.7	2.9	2.9	2.9	3.0
65-69	0.2	0.3	1.1	1.2	1.6	1.5	1.6	1.8	1.9	2.2	2.3	2.2	2.2
70-79	.	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.8
80-84	.	.	.	.	.	.	.	0.1	0.1	0.1	0.1	0.1	0.1
85+	.	0.4	0.1	.	.	.	.	.	.	.	.	.	.
0-17	20.0	28.2	25.4	20.8	17.3	16.8	17.4	20.9	19.7	24.6	32.3	28.4	27.2
18-44	10.6	13.3	13.3	9.5	6.8	6.4	6.3	5.8	6.0	5.9	5.7	5.6	5.2
45-64	2.9	3.7	5.4	4.4	3.7	3.7	3.7	3.6	3.7	3.6	3.8	3.6	3.4
65-74	0.2	0.2	0.7	0.8	1.1	1.1	1.2	1.3	1.4	1.6	1.7	1.7	1.7
75+	.	.	0.1	.	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
Male	5.9	6.7	6.7	4.8	3.5	3.3	3.3	3.2	3.2	3.3	3.4	3.3	3.0
Female	4.1	4.4	4.7	3.2	2.6	2.5	2.5	2.4	2.5	2.6	2.6	2.5	2.4
White	5.7	6.4	6.9	4.9	3.7	3.5	3.4	3.2	3.2	3.3	3.3	3.1	2.9
African American	3.7	4.1	3.7	2.8	2.2	2.3	2.3	2.3	2.3	2.4	2.5	2.4	2.3
Native American	3.9	4.1	4.0	2.6	2.5	1.9	2.1	2.1	2.6	2.4	3.0	2.7	2.8
Asian	8.0	6.2	8.2	4.3	3.4	3.4	3.3	3.5	3.9	3.8	4.2	4.4	4.2
†Hispanic	5.7	7.9	7.8	4.0	2.8	2.8	2.9	2.7	2.8	2.9	2.9	2.8	2.7
†Non-Hispanic	5.1	5.5	5.6	4.0	3.1	3.0	2.9	2.8	2.9	3.0	3.1	2.9	2.8
Diabetes	6.4	5.9	4.8	3.3	2.3	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.1
Hypertension	3.7	3.6	3.6	2.5	2.0	2.1	2.0	1.9	2.0	2.1	2.2	2.2	2.1
Glomerulonephritis	7.4	8.2	8.7	6.6	5.6	5.1	5.3	5.1	5.5	5.3	5.7	5.2	5.0
Other cause	4.4	5.4	7.0	5.4	4.4	4.1	4.1	4.1	4.1	4.2	4.4	4.1	3.9
All	5.1	5.6	5.7	4.0	3.1	3.0	2.9	2.8	2.9	3.0	3.0	2.9	2.8

Table E.9 (continued)

Renal transplant rates, by donor type*age, gender, race, ethnicity, primary diagnosis, & donor relation, per 100 dialysis patient-years*

ALL LIVING DONORS													
	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
<1	28.2	18.1	20.9	31.2	27.3	38.1	43.7	36.4	32.1	32.2	30.5	21.7	18.9
1-4	15.2	23.2	32.3	26.1	29.5	44.4	30.1	37.5	38.6	31.2	22.7	30.4	23.0
5-9	19.0	33.9	24.5	29.3	24.2	25.7	28.3	27.3	20.2	24.8	18.6	20.2	17.4
10-17	9.4	17.2	17.4	22.5	19.7	21.9	21.4	21.2	17.0	19.5	15.2	14.5	15.3
18-29	6.7	9.2	7.4	6.8	7.5	8.1	7.2	8.2	8.2	7.5	7.4	6.5	6.1
30-39	3.5	5.9	3.7	4.0	4.6	4.7	4.7	4.7	4.7	4.2	4.0	3.6	3.3
40-49	1.8	3.6	1.8	2.3	3.2	3.2	3.2	3.1	3.0	2.9	2.8	2.5	2.4
50-59	0.4	1.6	0.9	1.3	2.0	2.1	2.1	2.2	2.2	2.1	1.9	1.8	1.6
60-64	.	0.5	0.2	0.6	1.1	1.4	1.3	1.3	1.4	1.3	1.3	1.2	1.2
65-69	.	0.1	0.1	0.3	0.6	0.7	0.9	0.9	0.9	0.9	0.9	0.8	0.8
70-79	.	.	.	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3
80-84	.	.	.	.	.	.	.	.	.	.	.	.	.
85+	0.8	.	0.1	.	.	.	.	.	.	.	.	.	.
0-17	11.1	19.9	19.9	24.6	21.7	25.2	24.6	24.2	20.0	22.0	17.3	17.1	16.6
18-44	4.2	6.3	4.3	4.1	4.8	5.0	4.8	5.0	4.9	4.5	4.3	3.8	3.5
45-64	0.5	1.5	0.7	1.3	2.0	2.1	2.0	2.0	2.1	2.0	1.9	1.7	1.6
65-74	.	0.1	0.1	0.2	0.4	0.4	0.6	0.6	0.6	0.6	0.7	0.6	0.6
75+	.	.	.	.	.	.	.	.	0.1	0.1	0.1	0.1	0.1
Male	2.0	3.0	1.7	1.7	2.0	2.1	2.1	2.1	2.1	2.0	1.9	1.7	1.6
Female	1.6	2.2	1.4	1.4	1.7	1.8	1.7	1.8	1.7	1.6	1.4	1.3	1.3
White	2.3	3.4	2.2	2.2	2.7	2.7	2.7	2.7	2.6	2.5	2.3	2.0	1.9
African American	0.7	1.1	0.5	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.5
Native American	1.8	4.2	1.5	1.5	1.0	1.7	1.1	1.2	1.1	1.0	1.6	1.7	1.5
Asian	1.9	3.0	1.6	1.5	1.9	1.9	1.8	1.7	1.6	1.6	2.4	3.1	3.0
†Hispanic	4.0	5.8	2.4	1.9	1.9	1.8	1.8	1.8	1.7	1.6	1.5	1.3	1.2
†Non-Hispanic	1.8	2.5	1.5	1.6	1.9	2.0	1.9	1.9	1.9	1.8	1.7	1.6	1.5
Diabetes	2.4	2.9	1.3	0.9	1.0	1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.7
Hypertension	1.0	1.4	0.5	0.7	0.9	0.9	1.0	0.9	1.0	0.9	0.9	0.8	0.8
Glomerulonephritis	3.0	4.1	2.8	3.2	3.9	4.1	4.1	4.3	4.1	4.0	3.9	3.6	3.4
Other cause	1.5	2.6	2.1	2.7	3.5	3.7	3.5	3.8	3.6	3.5	3.2	2.9	2.8
Related donor			1.3	1.3	1.2	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.7
Unrelated donor			0.1	0.3	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7
All	1.8	2.7	1.5	1.6	1.9	2.0	1.9	1.9	1.9	1.8	1.7	1.5	1.4



Table F.2

One-year graft survival probabilities: all deceased donor transplants*by age, gender, race, ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
<1	*	77.3	*	*	*	*	*	*	*	*	*	*	63.6	*	88.9	90.5
1-4	*	50.0	60.5	79.2	81.1	78.1	95.8	84.4	79.2	95.8	76.7	92.9	96.8	90.5	93.9	88.0
5-9	71.9	76.1	63.9	87.7	85.3	95.2	89.4	79.0	91.1	96.4	91.0	91.2	89.3	94.6	93.9	89.3
10-14	69.4	79.6	73.8	84.6	91.8	91.3	90.1	90.7	94.4	88.8	92.9	91.5	94.4	86.8	93.8	95.5
15-19	78.8	70.5	78.2	82.4	85.4	90.1	81.4	87.2	87.4	90.8	90.9	90.0	92.7	92.9	90.7	94.3
20-29	68.5	75.9	80.6	87.9	87.7	90.2	90.9	89.7	89.7	90.3	89.8	90.4	92.8	92.1	93.2	90.6
30-39	65.1	76.1	80.5	87.5	89.0	90.0	90.7	89.0	90.9	91.1	90.3	89.8	90.9	91.9	92.8	93.1
40-49	61.8	73.7	79.1	85.8	87.4	89.1	90.7	90.4	89.3	90.5	90.1	91.5	91.8	90.9	91.4	92.6
50-59	60.8	68.6	79.3	85.2	86.2	86.8	87.2	86.7	86.5	88.4	88.3	88.9	88.7	89.7	89.7	91.4
60-64	57.7	69.5	78.8	83.2	84.9	87.2	84.2	84.1	83.7	85.8	86.8	84.8	87.6	89.3	88.6	88.0
65-69	72.7	66.7	76.0	79.8	81.8	82.2	84.0	83.3	82.6	83.0	85.1	87.2	84.8	83.2	88.5	87.9
70-79	*	*	75.0	80.6	83.7	80.1	78.5	80.4	83.5	80.6	81.7	84.0	85.6	85.3	83.2	86.8
80-84	.	.	.	*	*	*	*	*	*	*	*	93.3	94.1	73.3	85.2	71.0
85+	.	*	*	*	*	.	*	*	*	*	*	.	*	.	*	*
Male	65.2	74.0	79.1	85.1	86.6	88.8	88.2	87.9	87.8	88.6	88.2	88.6	89.3	89.3	89.6	90.6
Female	66.2	73.0	79.4	86.5	87.3	87.3	89.0	87.5	87.8	89.1	89.4	89.8	90.1	90.1	91.1	91.3
White	67.7	74.5	79.6	85.5	87.4	88.6	88.9	88.6	88.8	89.5	89.5	90.1	89.8	89.8	90.6	91.5
African American	58.6	70.4	77.2	85.4	85.3	86.2	86.6	85.2	84.7	86.9	86.5	86.4	88.1	88.3	88.6	88.9
Other race	61.5	78.1	82.7	89.6	87.6	93.2	92.4	89.6	90.3	89.9	89.9	90.5	93.1	92.2	92.7	92.9
†Hispanic					89.0	90.5	91.5	89.6	90.1	91.6	91.9	91.4	91.6	91.1	91.3	92.7
†Non-Hispanic					86.7	88.0	88.1	87.5	87.5	88.4	88.2	88.7	89.3	89.3	90.0	90.5
Diabetes	62.3	75.9	78.3	86.6	87.5	87.7	88.4	88.1	87.4	89.3	87.9	88.7	88.4	88.7	88.5	90.1
Hypertension	64.8	71.6	79.3	85.8	87.4	86.1	87.7	86.9	85.0	87.1	87.3	87.8	89.7	89.1	90.5	90.7
Glomerulonephritis	69.3	75.8	80.1	85.7	86.9	89.7	89.1	87.8	89.3	89.8	89.9	89.7	90.1	90.2	91.0	91.7
Other cause	64.3	71.5	79.0	84.5	86.0	88.9	88.6	87.9	88.7	88.6	89.5	89.9	90.6	90.4	91.1	91.2
First transplant	66.5	75.7	79.9	86.3	87.2	88.5	88.9	88.1	88.2	89.3	88.8	89.5	90.1	89.8	90.3	91.0
Subsequent transplants	57.8	63.4	74.6	81.2	84.8	86.1	86.0	85.0	85.1	85.4	88.0	85.6	86.1	88.3	89.1	89.4
All	65.5	73.7	79.2	85.6	86.9	88.2	88.5	87.7	87.8	88.8	88.7	89.1	89.6	89.6	90.2	90.8
ADJUSTED																
0-19	72.5	71.2	72.5	83.4	86.1	89.7	86.6	86.6	88.6	90.9	90.2	90.5	91.8	90.4	91.4	92.5
20-44	64.2	75.4	79.6	87.3	88.4	89.8	91.2	89.6	90.3	90.9	90.8	90.9	91.7	92.2	92.7	92.7
45-64	56.0	69.2	78.8	84.9	86.1	87.6	87.3	87.2	86.7	88.6	88.3	88.7	89.4	89.8	90.0	91.0
65-74	74.5	61.2	74.1	79.8	82.0	81.5	82.7	82.7	83.0	82.6	84.2	86.4	85.7	84.6	87.0	87.8
75+	.	*	*	66.2	76.7	76.6	74.5	73.1	76.2	75.9	78.8	83.3	80.6	77.5	81.7	83.2
Male	58.3	70.1	76.5	83.9	85.5	88.0	87.5	87.2	87.3	88.3	88.0	88.5	89.3	89.4	89.9	90.8
Female	59.8	69.2	76.6	85.2	86.3	86.3	88.2	86.6	87.1	88.6	89.0	89.6	89.8	89.9	90.9	91.2
White	60.4	70.1	76.8	84.2	86.4	87.7	88.2	87.8	88.4	89.1	89.3	90.1	89.8	90.0	90.8	91.8
African American	55.6	68.6	76.0	84.8	84.7	85.7	86.2	84.8	84.2	86.6	86.2	86.2	87.9	88.2	88.5	88.9
Other race	52.4	72.8	79.2	87.8	86.1	92.2	91.3	88.8	89.4	89.1	89.0	90.1	92.6	91.8	92.2	92.5
Diabetes	53.0	70.1	73.9	84.6	85.8	86.3	87.3	87.1	86.6	88.7	87.5	88.5	88.4	88.9	88.8	90.4
Hypertension	65.1	72.3	80.0	86.5	88.1	87.0	88.6	87.8	86.2	88.3	88.5	89.0	90.7	90.3	91.5	91.8
Glomerulonephritis	65.2	73.0	78.1	84.6	85.9	88.9	88.2	87.0	88.7	89.3	89.4	89.3	89.7	90.0	91.0	91.6
Other cause	59.3	68.2	76.3	82.9	84.5	87.7	87.5	86.7	87.7	87.6	88.7	89.3	89.9	89.8	90.6	90.7
First transplant	59.6	71.7	77.3	85.3	86.3	87.8	88.3	87.5	87.8	89.1	88.7	89.6	90.2	89.9	90.6	91.3
Subsequent transplants	52.6	59.3	71.1	78.5	82.6	84.2	84.1	83.1	83.1	83.7	86.6	84.2	84.5	87.2	88.0	88.5
All	58.8	69.8	76.5	84.4	85.8	87.3	87.7	87.0	87.2	88.4	88.4	88.9	89.5	89.6	90.2	91.0

Table F.6

Ten-year graft survival probabilities: all deceased donor transplants*by age, gender, race, ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1985	1990	1995	1996	1997	1998
<1	*	54.6	*	*	*	*	*
1-4	*	17.7	51.2	62.5	54.1	56.3	75.0
5-9	34.4	32.8	34.7	49.1	48.5	61.3	60.6
10-14	26.4	28.7	32.0	45.3	39.8	40.8	42.6
15-19	38.7	24.6	33.1	33.5	36.0	35.9	35.4
20-29	33.4	33.8	39.1	41.9	42.8	44.9	45.8
30-39	25.4	30.8	39.1	47.3	48.8	48.6	52.4
40-49	20.2	26.1	37.2	45.5	45.7	47.8	49.4
50-59	18.2	18.6	33.9	40.2	38.2	40.8	42.2
60-64	11.5	15.9	30.0	28.9	34.1	33.2	32.5
65-69	9.1	7.7	19.6	27.3	28.3	21.9	30.1
70-79	*	*	21.9	15.1	20.4	16.7	20.5
80-84	.	.	.	*	*	*	*
85+	.	.	*	*	*	.	*
Male	24.9	26.7	35.4	40.9	41.3	42.3	44.2
Female	27.2	28.7	37.2	42.9	43.1	43.6	45.3
White	29.4	31.1	39.2	44.3	44.9	46.4	47.9
African American	12.3	14.3	24.7	32.2	32.3	31.5	33.9
Other race	25.6	41.8	45.7	55.0	51.6	53.0	53.3
†Hispanic					49.3	48.3	50.6
†Non-Hispanic					41.3	42.3	43.9
Diabetes	21.0	22.6	30.1	38.3	36.0	36.4	39.7
Hypertension	19.3	18.0	31.4	34.2	35.5	36.5	36.1
Glomerulonephritis	31.0	33.3	38.4	44.3	45.9	45.4	47.7
Other cause	25.2	29.6	41.4	47.9	49.3	51.7	52.8
First transplant	27.0	29.6	36.6	42.6	42.8	43.3	45.1
Subsequent transplants	15.1	16.8	33.5	35.5	36.6	39.4	41.2
All	25.7	27.4	36.1	41.7	42.0	42.8	44.6
ADJUSTED							
0-19	30.6	26.3	33.6	40.3	39.9	42.6	44.8
20-44	25.3	30.3	37.9	46.4	47.4	47.5	50.2
45-64	15.5	19.2	33.4	39.3	39.1	41.8	42.5
65-74	6.9	5.8	18.1	23.8	25.3	20.1	27.5
75+	.	*	*	0.0	30.2	13.6	18.7
Male	18.5	21.5	31.5	38.3	38.6	40.2	42.3
Female	20.0	23.5	32.1	39.8	40.5	40.8	42.7
White	21.5	25.0	34.7	41.4	42.4	43.9	46.0
African American	10.4	12.7	23.2	31.0	31.1	30.7	33.1
Other race	17.8	32.2	39.0	49.8	48.1	48.7	49.0
Diabetes	13.1	15.7	24.0	33.5	31.6	32.7	36.3
Hypertension	20.1	18.7	32.9	36.2	37.9	39.4	39.4
Glomerulonephritis	25.5	28.5	34.6	41.4	43.3	42.7	44.9
Other cause	20.5	25.1	37.1	44.6	46.0	48.2	49.8
First transplant	20.0	23.9	32.3	40.3	40.6	41.3	43.4
Subsequent transplants	11.9	13.9	28.8	30.6	32.1	35.0	37.0
All	18.9	22.2	31.7	38.8	39.4	40.4	42.4



Table F.8

One-year graft survival probabilities: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
<1	*	*	87.5	89.7	88.0	100.0	97.0	97.1	87.0	92.1	97.5	87.1	93.6	89.2	97.0	96.2
1-4	*	85.7	71.0	97.1	85.4	92.6	90.6	95.9	93.0	98.3	91.5	96.4	96.4	98.0	100.0	97.6
5-9	91.7	82.4	85.0	88.9	90.1	98.3	97.1	94.3	98.3	93.4	97.5	96.2	98.5	95.3	93.6	96.2
10-14	91.5	82.6	77.2	91.4	95.8	92.3	96.9	93.0	93.0	94.8	98.5	97.1	93.1	94.3	96.8	94.3
15-19	87.9	91.2	83.2	91.8	94.0	92.3	92.1	96.2	93.8	94.6	95.2	95.8	94.3	92.0	97.9	95.5
20-29	88.8	89.7	93.1	92.8	94.8	95.3	93.4	93.9	93.4	94.7	95.8	95.3	96.1	95.5	96.0	96.2
30-39	90.5	88.4	90.2	94.1	93.5	95.4	95.1	94.7	95.7	95.2	95.4	95.1	94.0	95.1	96.0	97.1
40-49	81.5	91.4	89.4	93.1	94.8	93.3	95.7	94.5	93.9	94.4	94.7	95.5	96.4	95.6	96.1	96.6
50-59	78.6	91.6	87.4	89.3	92.5	92.6	94.3	93.6	93.4	93.6	94.1	95.9	95.3	94.8	95.7	96.5
60-64	.	94.9	89.7	87.7	92.9	91.2	92.8	93.4	94.8	92.5	94.3	94.6	93.5	95.9	96.8	95.4
65-69	*	91.7	86.4	82.7	89.1	92.1	93.1	93.7	92.8	91.8	93.6	93.7	95.4	95.0	95.0	95.6
70-79	.	*	*	88.5	92.0	93.9	78.3	91.4	88.4	92.6	92.6	91.3	89.8	92.3	94.5	96.7
80-84	.	.	.	.	.	.	.	*	*	*	*	*	*	*	*	*
85+	*	.	*	.	.	.	.	.	.	.	.	*	.	*	*	*
Male	86.5	89.9	89.0	91.7	94.6	94.5	94.8	94.9	94.2	94.4	95.0	95.5	95.9	95.3	96.1	96.7
Female	88.8	89.2	88.9	92.2	92.2	92.9	93.8	93.2	93.6	93.8	94.5	94.9	94.0	94.6	95.7	95.8
White	87.9	90.4	88.8	92.0	94.0	93.9	94.5	94.4	94.3	94.3	94.9	95.3	95.2	94.9	96.1	96.5
African American	84.3	85.8	88.1	91.1	91.1	92.9	93.1	92.4	92.1	92.7	93.6	94.7	93.7	94.1	94.7	95.4
Other race	85.0	87.1	94.4	94.6	96.0	96.2	95.7	97.1	93.5	95.3	96.0	95.9	97.4	97.8	96.7	96.9
†Hispanic					94.5	95.6	94.6	94.7	94.4	95.1	96.0	96.1	96.0	95.2	96.9	96.9
†Non-Hispanic					93.5	93.6	94.3	94.1	93.9	94.0	94.6	95.1	95.0	95.0	95.8	96.3
Diabetes	84.8	84.8	87.4	91.6	93.0	92.3	93.6	94.0	93.7	93.5	93.6	94.6	94.4	93.7	96.0	96.2
Hypertension	88.2	92.8	89.5	91.2	94.8	94.5	93.9	92.2	92.8	94.0	95.0	95.3	94.7	95.3	96.2	96.4
Glomerulonephritis	89.8	91.0	90.1	91.9	93.9	94.1	94.9	94.4	93.8	94.4	95.6	95.3	95.8	95.2	95.9	96.3
Other cause	86.2	90.1	88.7	92.5	93.2	94.2	94.6	94.9	94.7	94.3	94.8	95.5	95.2	95.5	96.0	96.5
First transplant	87.2	90.0	89.5	91.9	93.7	94.0	94.5	94.4	94.2	94.3	95.0	95.3	95.3	95.3	96.2	96.7
Subsequent transplants	91.8	85.6	82.0	92.5	93.0	92.0	92.8	91.7	91.3	92.2	93.0	94.8	93.4	92.5	93.9	93.6
All	87.4	89.6	89.0	92.0	93.6	93.8	94.4	94.2	94.0	94.1	94.8	95.2	95.1	95.0	96.0	96.4
ADJUSTED																
0-19	86.9	84.5	78.9	90.1	91.4	92.6	93.5	94.1	92.6	93.5	95.4	94.9	93.7	92.1	96.6	94.4
20-44	87.6	89.8	91.4	93.4	94.4	95.0	94.7	94.4	94.4	94.9	95.2	95.6	95.2	95.3	96.2	96.4
45-64	79.2	91.3	87.8	91.0	93.7	92.6	94.8	94.1	94.1	93.9	94.7	95.4	95.6	95.4	96.0	96.5
65-74	*	93.1	86.6	85.3	89.6	92.3	90.2	93.2	91.6	92.8	94.0	93.4	94.5	94.7	95.2	96.0
75+	*	*	*	*	*	*	*	*	83.2	84.3	88.0	88.1	89.0	86.8	94.0	98.3
Male	83.5	88.9	87.5	91.1	94.3	94.1	94.5	94.7	94.0	94.3	95.0	95.5	95.9	95.4	96.2	96.8
Female	87.2	88.5	88.2	92.1	92.0	92.7	93.6	93.0	93.5	93.7	94.5	94.8	93.9	94.5	95.7	95.6
White	85.2	89.2	87.4	91.3	93.5	93.3	94.1	94.0	94.1	94.1	94.9	95.2	95.2	94.9	96.2	96.5
African American	83.5	86.1	88.4	91.3	91.2	93.1	93.3	92.5	92.3	92.9	93.8	94.9	93.8	94.3	94.8	95.5
Other race	80.3	85.0	93.7	94.0	95.8	96.1	95.5	96.8	92.9	95.4	96.0	95.6	97.1	97.6	96.5	96.6
Diabetes	81.3	82.3	85.0	90.9	92.6	91.9	93.3	93.9	93.7	93.6	93.8	94.7	94.5	94.0	96.3	96.4
Hypertension	87.3	92.9	89.1	91.5	95.0	94.7	94.2	92.6	93.2	94.3	95.4	95.7	95.2	95.7	96.5	96.7
Glomerulonephritis	88.6	90.3	89.3	91.6	93.5	93.7	94.5	94.0	93.4	94.2	95.4	95.2	95.7	95.1	95.7	96.1
Other cause	84.7	89.3	87.7	92.0	92.9	93.8	94.3	94.6	94.4	94.0	94.6	95.3	95.0	95.3	95.8	96.3
First transplant	84.8	89.2	88.4	91.5	93.5	93.7	94.3	94.3	94.1	94.3	95.1	95.3	95.4	95.4	96.3	96.7
Subsequent transplants	90.1	83.8	80.3	91.7	92.1	91.0	91.8	90.5	90.3	91.4	92.2	94.3	92.6	91.6	93.3	92.9
All	85.0	88.7	87.8	91.5	93.3	93.5	94.1	94.0	93.8	94.0	94.8	95.2	95.1	95.0	96.0	96.3

Table F.12

Ten-year graft survival probabilities: all living donor transplants*by age, gender, race/ethnicity, primary diagnosis, & transplant number*

UNADJUSTED	1980	1985	1990	1995	1996	1997	1998
<1	*	*	75.0	69.0	76.0	78.6	81.8
1-4	*	71.4	48.4	60.0	68.8	81.5	75.0
5-9	45.8	51.0	56.7	63.0	63.4	63.3	73.5
10-14	38.3	37.2	51.9	47.4	51.3	54.8	62.2
15-19	45.5	39.5	36.8	53.6	55.8	51.4	44.6
20-29	60.2	55.8	59.3	56.5	59.0	62.3	56.9
30-39	58.9	52.6	61.0	62.5	61.5	65.5	65.3
40-49	45.2	55.4	57.3	58.0	60.4	59.1	64.5
50-59	33.3	50.5	42.5	48.4	52.8	54.1	56.5
60-64	.	64.4	28.2	37.0	45.6	43.6	47.4
65-69	*	33.3	50.0	27.2	40.6	43.0	32.4
70-79	.	*	*	38.5	24.0	18.2	37.0
80-84	.	.	.	.	.	.	.
85+	*	.	*	.	.	.	.
Male	51.8	51.2	55.5	56.6	58.7	59.5	59.6
Female	54.6	54.3	54.1	53.3	55.7	57.0	58.6
White	53.5	54.3	56.5	56.4	59.6	60.8	61.0
African American	46.1	39.1	38.5	46.6	45.4	43.9	46.3
Other race	60.0	60.0	64.4	63.0	63.1	62.9	66.8
†Hispanic					62.1	65.4	63.6
†Non-Hispanic					56.8	57.4	58.5
Diabetes	45.7	40.0	46.4	45.6	47.2	44.6	48.4
Hypertension	54.0	48.6	49.3	48.3	48.9	51.3	53.0
Glomerulonephritis	54.2	55.9	57.7	56.9	60.0	63.4	61.5
Other cause	53.7	58.2	59.2	61.9	64.9	64.4	66.0
First transplant	52.5	52.2	55.5	55.5	58.2	58.7	59.9
Subsequent transplants	59.2	54.6	46.0	51.2	48.3	54.8	51.3
All	52.9	52.4	54.9	55.2	57.4	58.4	59.1
ADJUSTED							
0-19	37.1	39.3	42.5	50.4	53.4	54.0	54.4
20-44	56.2	55.6	60.9	60.4	60.6	62.8	62.1
45-64	36.3	52.9	43.7	51.8	57.1	55.5	59.6
65-74	*	41.6	49.7	32.1	40.6	38.8	36.3
75+	*	*	*	*	*	*	*
Male	44.4	48.4	51.3	54.2	57.2	57.3	58.0
Female	48.8	51.7	50.9	52.4	54.4	55.5	57.3
White	46.1	50.5	52.4	53.8	57.4	58.1	58.9
African American	42.8	40.1	38.6	47.0	45.8	45.0	47.3
Other race	50.3	56.9	60.2	60.3	62.8	62.9	66.8
Diabetes	37.1	34.1	39.4	42.5	45.4	42.8	47.1
Hypertension	51.1	50.0	47.4	49.8	50.3	52.6	54.6
Glomerulonephritis	49.4	52.6	53.6	54.3	57.5	60.7	58.7
Other cause	49.3	55.6	56.0	59.9	63.1	62.5	64.3
First transplant	46.0	49.5	51.9	54.0	57.3	57.2	58.7
Subsequent transplants	52.4	51.0	42.9	48.2	44.2	50.9	47.3
All	46.0	49.5	50.9	53.2	55.9	56.4	57.6



Table G.1

Total admission rates: ESRD patients*per 1,000 patient years, period prevalent patients, by age, gender, race, ethnicity, & primary diagnosis*

UNADJUSTED	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	2,259	2,048	2,592	2,371	2,273	2,310	2,183	2,220	2,217	2,471	2,094	2,205	2,800	2,563	2,462	2,252
5-9	1,579	1,787	1,550	1,751	1,860	1,762	1,919	1,534	2,224	1,630	1,807	1,619	1,782	1,961	1,929	1,731
10-14	1,587	1,700	1,751	1,439	1,363	1,670	1,415	1,421	1,489	1,645	1,719	1,513	1,724	1,721	1,611	1,416
15-19	1,598	1,618	1,652	1,572	1,383	1,535	1,605	1,651	1,722	1,738	1,695	1,680	1,645	1,852	1,728	1,754
20-29	1,678	1,621	1,630	1,593	1,556	1,551	1,605	1,579	1,609	1,661	1,689	1,746	1,762	1,761	1,834	1,914
30-39	1,702	1,736	1,730	1,716	1,676	1,678	1,722	1,706	1,735	1,778	1,753	1,812	1,811	1,769	1,736	1,719
40-49	1,631	1,630	1,668	1,668	1,636	1,627	1,687	1,714	1,786	1,802	1,803	1,881	1,870	1,829	1,772	1,733
50-59	1,731	1,781	1,748	1,762	1,749	1,726	1,778	1,768	1,806	1,824	1,825	1,838	1,833	1,786	1,765	1,730
60-64	1,762	1,814	1,836	1,854	1,809	1,836	1,874	1,846	1,890	1,935	1,891	1,941	1,912	1,857	1,817	1,779
65-69	1,912	1,947	1,941	1,958	1,930	1,961	1,994	1,956	1,995	2,018	2,004	1,994	2,008	1,928	1,870	1,863
70-79	1,932	1,978	2,008	2,037	2,005	2,006	2,055	2,035	2,067	2,070	2,049	2,066	2,074	1,994	1,966	1,965
80-84	2,034	2,107	2,082	2,113	2,105	2,066	2,140	2,079	2,136	2,112	2,075	2,093	2,150	2,061	2,025	2,034
85+	2,057	2,118	2,106	2,160	2,183	2,134	2,210	2,153	2,203	2,171	2,202	2,185	2,191	2,146	2,098	2,083
Male	1,679	1,713	1,700	1,709	1,684	1,692	1,736	1,714	1,760	1,775	1,779	1,815	1,818	1,752	1,719	1,705
Female	1,924	1,962	1,995	2,009	1,981	1,982	2,043	2,037	2,084	2,109	2,081	2,102	2,108	2,062	2,025	2,005
White	1,816	1,839	1,863	1,867	1,839	1,854	1,896	1,881	1,920	1,936	1,923	1,937	1,943	1,876	1,843	1,835
African American	1,797	1,855	1,839	1,869	1,839	1,824	1,893	1,879	1,943	1,963	1,957	2,010	2,014	1,970	1,933	1,901
Native American	1,800	1,921	1,998	1,912	1,888	1,909	1,983	1,954	1,924	1,964	1,958	1,988	1,904	1,824	1,744	1,695
Asian	1,253	1,259	1,253	1,274	1,316	1,351	1,404	1,396	1,382	1,420	1,394	1,396	1,419	1,375	1,351	1,350
†Hispanic						1,803	1,843	1,800	1,863	1,890	1,890	1,875	1,865	1,794	1,762	1,741
†Non-Hispanic						1,831	1,886	1,874	1,918	1,935	1,922	1,957	1,963	1,907	1,871	1,854
Diabetes	2,203	2,229	2,207	2,229	2,176	2,178	2,230	2,202	2,229	2,225	2,207	2,219	2,211	2,139	2,080	2,054
Hypertension	1,747	1,787	1,777	1,774	1,745	1,732	1,789	1,767	1,822	1,846	1,834	1,865	1,864	1,810	1,784	1,762
Glomerulonephritis	1,473	1,480	1,525	1,487	1,469	1,462	1,470	1,477	1,505	1,526	1,528	1,551	1,559	1,517	1,479	1,482
Other cause	1,560	1,593	1,608	1,631	1,606	1,615	1,671	1,650	1,704	1,737	1,710	1,754	1,771	1,716	1,712	1,697
All	1,795	1,831	1,840	1,852	1,824	1,828	1,881	1,866	1,911	1,930	1,918	1,946	1,950	1,892	1,857	1,839
ADJUSTED																
0-19	1,914	1,921	1,800	1,869	1,654	1,742	1,799	1,915	1,688	1,405	1,470	1,330	1,481	2,546	2,655	2,766
20-44	1,870	1,873	1,885	1,875	1,823	1,815	1,881	1,862	1,919	1,965	1,957	2,019	2,018	1,954	1,912	1,909
45-64	1,756	1,781	1,768	1,770	1,740	1,731	1,775	1,774	1,812	1,831	1,819	1,855	1,839	1,797	1,769	1,734
65-74	1,901	1,940	1,934	1,957	1,930	1,938	1,979	1,937	1,969	1,976	1,979	1,966	1,976	1,903	1,867	1,856
75+	2,035	2,088	2,091	2,119	2,085	2,065	2,117	2,094	2,132	2,129	2,091	2,127	2,153	2,079	2,033	2,038
Male	1,766	1,799	1,767	1,779	1,747	1,745	1,786	1,759	1,796	1,803	1,802	1,834	1,836	1,767	1,732	1,718
Female	1,973	2,001	2,020	2,030	1,994	1,986	2,037	2,028	2,070	2,093	2,064	2,084	2,086	2,041	2,006	1,988
White	1,898	1,910	1,914	1,910	1,873	1,876	1,908	1,887	1,917	1,928	1,912	1,924	1,924	1,858	1,824	1,817
African American	1,855	1,917	1,894	1,929	1,893	1,872	1,942	1,927	1,982	1,999	1,992	2,046	2,052	2,005	1,967	1,939
Native American	1,744	1,834	1,939	1,884	1,884	1,945	1,977	1,903	1,899	1,921	1,871	1,902	1,842	1,770	1,697	1,675
Asian	1,399	1,384	1,365	1,390	1,425	1,438	1,476	1,461	1,426	1,456	1,425	1,423	1,444	1,388	1,365	1,358
†Hispanic						1,832	1,863	1,798	1,858	1,886	1,876	1,858	1,846	1,776	1,751	1,728
†Non-Hispanic						1,860	1,910	1,895	1,934	1,948	1,932	1,965	1,968	1,913	1,876	1,860
Diabetes	2,207	2,237	2,204	2,233	2,179	2,180	2,235	2,210	2,237	2,235	2,223	2,242	2,241	2,188	2,134	2,117
Hypertension	1,733	1,761	1,757	1,747	1,724	1,711	1,759	1,741	1,788	1,811	1,799	1,833	1,827	1,773	1,747	1,731
Glomerulonephritis	1,563	1,563	1,614	1,577	1,568	1,557	1,561	1,571	1,600	1,610	1,615	1,629	1,644	1,602	1,560	1,561
Other cause	1,583	1,628	1,629	1,671	1,649	1,648	1,707	1,680	1,730	1,766	1,749	1,799	1,813	1,753	1,751	1,736
All	1,860	1,890	1,882	1,894	1,860	1,855	1,901	1,882	1,922	1,936	1,922	1,948	1,950	1,892	1,857	1,840

Table G.2

Total admission rates: dialysis patients*per 1,000 patient years, period prevalent patients, by age, gender, race, ethnicity, & primary diagnosis*

UNADJUSTED	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	2,723	2,569	3,311	2,664	2,517	2,473	2,321	2,137	2,199	2,728	2,410	2,819	3,374	2,905	2,958	3,153
5-9	2,026	2,420	2,036	2,177	2,379	2,106	2,499	2,004	3,157	1,703	2,047	2,128	2,419	2,911	2,460	1,928
10-14	1,900	2,033	2,153	1,624	1,489	1,868	1,654	1,611	1,640	1,802	1,816	1,529	1,642	1,693	1,744	1,491
15-19	1,680	1,740	1,730	1,703	1,490	1,605	1,547	1,720	1,789	1,946	1,719	1,760	1,787	2,015	1,972	1,975
20-29	1,800	1,700	1,694	1,687	1,635	1,602	1,659	1,617	1,673	1,739	1,793	1,859	1,866	1,886	1,989	2,075
30-39	1,804	1,807	1,825	1,808	1,782	1,772	1,812	1,791	1,825	1,863	1,859	1,899	1,897	1,869	1,835	1,816
40-49	1,684	1,681	1,743	1,746	1,697	1,690	1,757	1,784	1,853	1,873	1,895	1,974	1,970	1,925	1,864	1,817
50-59	1,778	1,837	1,798	1,822	1,803	1,784	1,839	1,829	1,862	1,878	1,893	1,903	1,900	1,851	1,829	1,796
60-64	1,796	1,850	1,874	1,890	1,847	1,880	1,917	1,884	1,938	1,990	1,941	1,998	1,969	1,911	1,873	1,833
65-69	1,929	1,965	1,959	1,980	1,952	1,986	2,023	1,987	2,024	2,050	2,045	2,034	2,049	1,973	1,924	1,918
70-79	1,936	1,983	2,013	2,045	2,011	2,012	2,062	2,042	2,075	2,081	2,062	2,083	2,092	2,015	1,990	1,995
80-84	2,033	2,107	2,083	2,113	2,105	2,067	2,141	2,079	2,137	2,111	2,078	2,095	2,151	2,064	2,029	2,037
85+	2,057	2,119	2,106	2,160	2,184	2,135	2,210	2,153	2,203	2,172	2,203	2,184	2,191	2,146	2,098	2,084
Male	1,724	1,757	1,746	1,766	1,735	1,741	1,785	1,759	1,803	1,822	1,833	1,870	1,874	1,808	1,779	1,764
Female	1,978	2,015	2,050	2,065	2,036	2,035	2,098	2,091	2,140	2,162	2,143	2,160	2,167	2,120	2,084	2,064
White	1,897	1,920	1,947	1,957	1,926	1,938	1,976	1,956	1,993	2,010	2,006	2,016	2,024	1,952	1,924	1,918
African American	1,804	1,860	1,850	1,884	1,850	1,836	1,912	1,898	1,963	1,984	1,983	2,037	2,041	2,001	1,963	1,933
Native American	1,823	1,930	2,030	1,954	1,934	1,951	2,007	1,980	1,955	2,003	1,994	2,012	1,915	1,848	1,777	1,718
Asian	1,299	1,294	1,305	1,339	1,361	1,391	1,451	1,447	1,426	1,466	1,439	1,430	1,461	1,429	1,407	1,387
†Hispanic						1,850	1,902	1,848	1,917	1,952	1,962	1,937	1,923	1,847	1,820	1,792
†Non-Hispanic						1,885	1,939	1,926	1,969	1,986	1,980	2,014	2,022	1,966	1,933	1,917
Diabetes	2,231	2,257	2,242	2,268	2,214	2,213	2,267	2,235	2,262	2,255	2,243	2,254	2,245	2,174	2,117	2,091
Hypertension	1,770	1,813	1,809	1,810	1,772	1,761	1,818	1,795	1,849	1,872	1,869	1,898	1,900	1,851	1,825	1,804
Glomerulonephritis	1,551	1,529	1,585	1,551	1,534	1,521	1,531	1,534	1,562	1,587	1,600	1,618	1,641	1,586	1,558	1,564
Other cause	1,622	1,670	1,678	1,712	1,683	1,687	1,738	1,718	1,779	1,819	1,801	1,849	1,862	1,805	1,806	1,795
All	1,847	1,882	1,893	1,911	1,880	1,882	1,935	1,917	1,963	1,982	1,978	2,004	2,009	1,951	1,918	1,900
ADJUSTED																
0-19	2,236	2,237	1,965	1,986	1,794	2,031	1,993	2,030	1,860	1,409	1,424	1,351	1,540	2,767	2,962	3,053
20-44	1,983	1,965	2,004	2,001	1,941	1,923	1,986	1,961	2,026	2,064	2,081	2,141	2,134	2,067	2,020	2,013
45-64	1,790	1,820	1,813	1,820	1,784	1,780	1,827	1,822	1,859	1,883	1,881	1,913	1,903	1,857	1,830	1,794
65-74	1,909	1,946	1,943	1,969	1,941	1,950	1,993	1,952	1,985	1,996	2,006	1,993	2,004	1,936	1,908	1,901
75+	2,035	2,089	2,092	2,120	2,085	2,064	2,118	2,095	2,132	2,129	2,092	2,129	2,155	2,082	2,038	2,045
Male	1,788	1,819	1,793	1,814	1,776	1,776	1,818	1,788	1,825	1,837	1,842	1,875	1,878	1,810	1,778	1,765
Female	2,007	2,035	2,062	2,069	2,031	2,021	2,075	2,066	2,112	2,133	2,115	2,131	2,136	2,090	2,057	2,040
White	1,949	1,961	1,972	1,972	1,932	1,935	1,965	1,941	1,972	1,985	1,981	1,991	1,993	1,924	1,894	1,889
African American	1,860	1,918	1,899	1,936	1,898	1,876	1,952	1,937	1,995	2,013	2,009	2,065	2,070	2,028	1,989	1,964
Native American	1,743	1,834	1,965	1,914	1,913	1,970	1,976	1,909	1,918	1,960	1,907	1,922	1,852	1,794	1,736	1,694
Asian	1,403	1,385	1,377	1,411	1,423	1,436	1,482	1,468	1,428	1,461	1,429	1,419	1,443	1,401	1,383	1,362
†Hispanic						1,849	1,886	1,813	1,881	1,915	1,916	1,891	1,876	1,805	1,785	1,762
†Non-Hispanic						1,898	1,949	1,934	1,974	1,988	1,980	2,015	2,020	1,966	1,931	1,915
Diabetes	2,247	2,274	2,249	2,282	2,226	2,228	2,286	2,254	2,281	2,273	2,269	2,289	2,286	2,236	2,182	2,162
Hypertension	1,751	1,782	1,785	1,778	1,747	1,737	1,782	1,767	1,814	1,837	1,836	1,867	1,865	1,815	1,789	1,775
Glomerulonephritis	1,602	1,578	1,643	1,608	1,598	1,589	1,595	1,603	1,632	1,651	1,666	1,676	1,706	1,649	1,620	1,625
Other cause	1,614	1,669	1,666	1,713	1,693	1,689	1,749	1,723	1,779	1,821	1,813	1,865	1,877	1,822	1,824	1,812
All	1,886	1,917	1,915	1,930	1,892	1,888	1,936	1,915	1,957	1,973	1,966	1,992	1,996	1,937	1,905	1,890

Table G.5

Total admission rates: transplant patients*per 1,000 patient years, period prevalent patients, by age, gender, race, ethnicity, & primary diagnosis*

UNADJUSTED	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	1,149	1,064	1,398	1,379	1,515	1,634	1,378	1,755	1,731	1,793	1,315	1,190	1,806	1,578	1,348	1,295
5-9	826	1,001	869	1,001	948	1,199	1,300	1,061	1,062	1,285	1,180	1,055	1,028	1,202	1,042	1,203
10-14	973	840	892	794	896	1,015	777	921	1,028	1,052	1,054	1,067	1,173	1,364	1,120	947
15-19	897	823	1,054	986	958	969	1,098	1,234	1,188	1,013	1,147	1,152	1,033	1,236	1,067	1,142
20-29	854	858	885	816	822	889	883	909	872	919	880	895	947	857	869	923
30-39	891	974	878	920	874	870	910	912	902	982	899	921	956	885	811	822
40-49	872	907	825	830	850	845	828	822	901	899	834	851	829	786	766	744
50-59	895	849	896	856	889	823	829	835	895	898	840	853	850	810	810	784
60-64	849	880	843	872	951	886	896	984	912	901	968	921	904	867	798	842
65-69	852	937	992	922	862	902	987	911	1,002	991	930	957	988	890	832	814
70-79	980	972	988	840	1,017	957	1,035	957	1,054	994	1,017	993	968	959	912	808
80-84	*	*	*	*	*	*	917	1,318	1,104	2,133	597	936	1,023	1,246	923	986
85+	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	767
Male	846	858	832	817	821	810	820	835	862	866	839	841	827	780	747	744
Female	932	973	957	950	970	960	977	975	1,014	1,043	971	988	1,024	990	947	931
White	839	867	846	834	832	831	852	867	898	910	869	872	870	843	799	776
African American	1,071	1,087	1,047	1,050	1,079	1,030	1,011	1,010	1,039	1,069	1,011	1,029	1,055	970	941	946
Native American	1,064	1,081	1,109	918	936	1,014	1,029	1,054	1,105	925	938	1,142	1,126	1,079	931	941
Asian	580	529	479	406	575	558	614	539	602	594	550	555	568	539	559	644
†Hispanic						886	822	870	889	900	850	876	872	857	781	795
†Non-Hispanic						869	893	895	930	944	900	906	913	866	834	821
Diabetes	1,314	1,379	1,286	1,285	1,255	1,215	1,226	1,229	1,256	1,260	1,209	1,192	1,212	1,153	1,052	1,045
Hypertension	874	847	790	767	865	830	807	794	844	913	842	832	792	744	756	744
Glomerulonephritis	684	725	721	696	696	678	677	723	757	753	743	758	717	712	667	697
Other cause	735	712	737	719	718	759	812	797	812	807	739	779	835	781	778	736
All	881	905	882	870	881	871	884	892	924	938	893	902	907	865	827	817
ADJUSTED																
0-19	953	863	1,299	1,130	1,155	931	890	716	849	673	931	799	1,041	934	659	555
20-44	1,063	1,081	1,011	1,021	1,027	1,005	1,027	1,020	1,019	1,111	1,005	1,011	1,049	999	949	960
45-64	1,009	1,018	954	945	974	931	922	936	984	970	935	946	931	874	855	847
65+	1,003	1,055	1,142	1,015	1,006	993	1,112	1,021	1,114	1,105	1,060	1,027	1,057	985	922	865
Male	1,018	1,044	1,009	961	967	947	949	942	992	984	957	959	937	875	825	808
Female	1,027	1,052	1,073	1,006	1,017	993	1,085	1,023	1,096	1,109	1,038	1,018	1,079	1,020	987	951
White	977	993	956	902	902	896	932	921	985	976	931	930	941	900	857	817
African American	1,049	1,131	1,202	1,144	1,123	1,074	1,170	1,102	1,149	1,180	1,125	1,087	1,130	1,018	978	959
Other race	1,004	831	788	626	786	877	907	775	887	775	732	783	776	790	745	757
†Hispanic						963	875	873	953	917	893	955	970	965	885	843
†Non-Hispanic						934	997	966	1,028	1,029	978	960	976	919	883	856
Diabetes	1,321	1,328	1,280	1,246	1,184	1,141	1,222	1,221	1,282	1,258	1,215	1,188	1,237	1,169	1,077	1,047
Hypertension	878	901	899	806	926	898	896	810	890	939	888	860	842	789	803	773
Glomerulonephritis	772	831	858	830	830	773	822	812	884	815	843	863	792	771	745	739
Other cause	755	795	855	812	757	828	913	829	856	870	762	833	900	784	742	710
All	1,021	1,044	1,036	975	983	962	1,012	975	1,038	1,039	990	979	998	937	896	869

Table H.1

Total patient deaths: ESRD patients*period prevalent patients, by age, gender, race, ethnicity, primary diagnosis, & patient vintage*

	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	*	23	57	37	38	52	38	32	36	41	38	36	39
5-9	15	15	26	16	12	20	*	21	13	*	12	*	13
10-14	28	23	36	25	17	17	28	32	24	29	20	19	*
15-19	47	46	69	61	53	55	52	77	56	72	64	40	47
20-29	345	412	565	591	533	584	611	577	579	596	593	560	569
30-39	792	1,213	1,857	2,333	2,189	2,253	2,231	2,169	2,104	2,054	2,009	2,061	1,923
40-49	1,125	1,717	2,860	4,528	5,481	5,822	5,964	5,988	6,028	6,095	5,963	5,830	5,546
50-59	2,179	3,458	4,707	7,159	10,347	11,128	11,581	12,177	12,519	12,812	13,579	13,356	13,444
60-64	1,470	2,819	4,063	5,654	7,406	7,771	7,870	8,580	8,793	8,785	9,110	9,233	9,584
65-69	1,731	3,212	5,396	7,755	9,631	10,003	10,004	10,376	10,507	10,600	10,657	10,848	11,181
70-79	2,215	5,269	9,606	16,455	23,295	24,181	24,769	25,076	25,247	25,374	25,311	24,937	25,124
80-84	383	1,133	2,526	5,046	8,418	9,187	9,853	10,287	10,804	11,288	11,533	11,647	11,487
85+	138	452	1,164	2,627	5,422	5,936	6,648	7,209	7,508	8,236	8,830	9,290	9,654
0-19	100	107	188	139	120	144	128	162	129	151	134	105	108
20-44	1,602	2,353	3,729	4,947	4,987	5,115	5,215	5,095	4,994	4,960	4,864	4,797	4,609
45-64	4,309	7,266	10,323	15,318	20,969	22,443	23,042	24,396	25,029	25,382	26,390	26,243	26,457
65-74	3,061	6,250	10,589	16,650	21,220	21,893	22,246	22,508	22,760	22,841	22,755	22,870	23,385
75+	1,406	3,816	8,103	15,233	25,546	27,414	29,028	30,440	31,306	32,657	33,576	33,852	34,061
Male	5,947	10,979	17,681	27,361	38,002	40,383	41,885	43,926	45,191	46,474	47,586	48,084	48,861
Female	4,531	8,813	15,251	24,921	34,839	36,625	37,774	38,670	39,027	39,515	40,131	39,783	39,759
Unk.	.	.	.	*	*	*	.	*	.	*	*	.	.
White	7,556	14,108	22,878	35,229	48,405	51,074	53,055	54,763	55,635	57,013	58,646	58,913	59,571
Af Am	2,653	5,189	9,111	15,066	20,670	22,033	22,491	23,520	24,118	24,368	24,603	24,466	24,533
N Am	30	157	364	561	903	872	936	964	945	976	955	954	1,053
Asian	14	187	490	1,180	1,917	2,124	2,242	2,419	2,523	2,684	2,771	2,950	2,902
Other/unk.	225	151	89	251	947	906	935	935	997	950	744	584	561
†Hispanic	.	.	.	.	7,199	7,824	8,212	8,786	9,070	9,404	9,614	9,584	9,960
†Non-Hisp.	.	.	.	.	65,643	69,185	71,447	73,815	75,148	76,587	78,105	78,283	78,660
Diabetes	1,239	5,066	10,859	20,494	32,365	34,803	35,874	37,351	38,183	39,013	40,074	39,918	40,320
HTN	1,209	4,824	9,921	16,113	20,443	21,454	22,288	23,138	23,774	24,334	24,745	24,898	25,232
GN	983	2,405	4,131	5,360	6,318	6,364	6,480	6,561	6,326	6,347	6,184	6,068	5,747
Cystic kidney	264	624	901	1,167	1,323	1,457	1,423	1,419	1,427	1,444	1,466	1,498	1,398
Oth. urologic	150	595	993	1,264	2,053	2,136	2,240	2,292	2,380	2,267	1,865	1,767	1,568
Other cause	784	1,925	3,158	5,062	6,722	7,100	7,606	7,926	8,066	8,325	9,117	9,562	10,004
Unk. cause	981	1,481	1,712	2,007	2,746	2,950	3,015	3,129	3,271	3,386	3,385	3,393	3,447
Missing	4,868	2,872	1,257	820	872	745	733	785	791	875	883	763	904
<2 years	6,538	10,858	18,062	26,040	35,615	37,227	38,006	38,866	38,874	39,356	39,804	39,423	39,170
2-<5 years	3,228	5,627	8,817	15,919	20,854	22,191	23,204	23,973	24,586	24,829	25,191	24,834	25,183
5+ years	712	3,307	6,053	10,328	16,373	17,591	18,449	19,762	20,758	21,806	22,724	23,610	24,267
All	10,478	19,792	32,932	52,287	72,842	77,009	79,659	82,601	84,218	85,991	87,719	87,867	88,620
All with unknowns dropped	9,287	18,171	31,142	50,040	69,177	73,180	75,742	78,571	79,983	81,697	83,611	83,913	84,632



Table H.2

Annual mortality rates: ESRD patients*per 1,000 patient years at risk, period prevalent patients, by age, gender, race, ethnicity, primary diagnosis, & patient vintage*

UNADJUSTED	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	116.7	67.8	69.5	60.2	64.8	81.6	61.7	59.0	51.1	43.9	41.8	45.5	49.1
5-9	61.1	33.6	14.1	17.8	13.3	17.0	8.7	18.6	13.5	8.2	8.2	6.0	9.1
10-14	40.6	34.2	13.2	13.9	7.0	6.8	14.4	17.1	11.2	15.7	10.4	10.2	4.3
15-19	27.8	24.4	16.4	23.1	17.0	17.8	16.1	21.6	16.1	17.3	16.8	11.0	12.3
20-29	48.0	39.8	39.9	36.7	30.6	34.3	35.6	34.2	33.1	32.9	33.0	31.0	30.6
30-39	79.3	68.3	66.1	61.7	52.7	54.7	52.5	50.0	48.0	47.1	46.2	46.3	42.7
40-49	112.3	97.6	92.4	88.9	79.8	82.3	81.2	79.2	76.8	75.7	73.0	68.9	64.3
50-59	153.1	162.2	147.6	138.3	128.2	128.3	125.0	123.3	119.3	114.3	114.1	107.8	103.2
60-64	228.0	228.4	210.3	196.8	184.3	182.1	173.7	178.5	171.3	160.8	157.8	148.0	142.2
65-69	290.3	287.7	276.6	250.1	238.7	235.7	227.1	222.5	216.1	209.0	198.5	190.2	182.6
70-79	351.8	371.1	358.6	335.5	332.0	327.3	321.8	313.6	306.8	300.3	289.3	275.5	266.4
80-84	498.2	497.3	452.1	453.8	447.0	451.8	441.0	430.7	418.2	421.0	411.6	400.4	384.4
85+	612.8	599.5	567.8	539.8	575.6	561.1	566.3	549.1	532.4	536.0	523.9	521.4	499.1
Male	161.6	172.5	171.6	170.0	168.3	169.7	167.2	167.3	164.3	161.5	158.2	152.7	147.8
Female	159.3	170.8	176.2	182.4	187.0	188.3	186.1	183.1	177.6	173.9	170.3	162.9	156.7
White	164.3	179.9	182.6	186.6	189.0	189.5	188.0	185.9	180.8	178.4	175.6	169.4	164.1
Af Am	152.2	156.3	160.0	161.6	159.5	163.7	159.4	160.1	158.2	154.1	149.7	142.9	137.1
Other race	149.9	142.1	134.4	132.8	149.7	143.4	141.1	138.4	133.2	128.5	122.3	116.5	111.7
†Hispanic					149.0	149.9	146.9	145.3	140.0	136.5	130.6	121.8	117.8
†Non-Hisp.					180.6	182.1	179.9	178.7	175.0	171.9	168.9	163.2	157.7
Diabetes	257.2	266.1	245.0	234.0	232.8	234.4	227.8	225.4	219.6	214.1	209.5	199.3	192.6
HTN	135.8	189.4	204.1	204.9	200.8	201.8	200.7	198.3	195.5	193.6	190.4	183.2	177.2
GN	75.7	91.3	100.5	95.0	89.1	87.6	86.3	85.4	80.0	78.7	75.3	72.5	67.3
Other cause	188.9	169.4	142.8	135.3	134.9	135.4	134.7	133.9	130.3	126.5	123.3	120.4	115.9
<2 years	194.2	222.9	224.6	217.6	224.9	227.3	224.5	224.6	218.5	215.2	211.2	203.1	196.3
2-<5 years	140.5	153.7	165.5	186.6	184.1	186.1	186.4	183.8	181.7	179.0	176.9	169.2	164.1
5+ years	78.2	106.1	107.3	110.3	115.9	117.1	114.7	115.2	113.9	112.5	110.2	107.9	104.8
All	160.6	171.7	173.7	175.7	176.8	178.1	175.7	174.4	170.2	167.0	163.5	157.2	151.7
ADJUSTED													
0-19	51.1	51.1	36.2	35.7	30.2	30.8	29.7	34.0	30.4	30.4	27.3	24.0	22.2
20-44	91.6	82.6	76.2	71.2	64.5	64.7	65.2	64.2	62.1	60.8	59.4	57.4	54.8
45-64	170.3	184.2	162.8	144.3	131.4	131.2	127.4	126.4	123.0	119.4	116.7	111.2	106.8
65-74	274.3	312.7	290.0	264.8	254.4	250.9	244.1	238.4	230.9	225.1	215.3	203.9	195.3
75+	386.3	429.7	410.9	393.9	398.9	399.2	390.5	383.7	376.7	372.6	365.6	354.4	342.4
Male	220.9	236.8	216.2	194.6	182.2	181.1	176.4	174.2	170.3	167.0	162.8	156.2	150.6
Female	200.6	218.1	200.5	190.5	184.8	184.5	180.7	177.4	171.6	167.3	163.2	156.5	150.5
White	227.9	251.1	225.5	206.4	191.7	189.6	184.8	181.1	175.3	171.4	167.3	160.9	155.4
Af Am	180.9	190.4	187.9	179.5	174.8	177.7	173.9	173.4	171.0	168.2	163.3	155.4	148.8
Other race	193.3	209.9	173.5	145.0	154.3	150.2	144.3	140.5	136.1	132.3	126.5	120.4	115.1
Diabetes	274.3	292.0	259.0	235.6	224.1	222.5	215.1	211.0	204.5	199.7	194.7	186.0	178.7
HTN	161.1	193.4	188.5	180.5	170.7	170.5	167.9	165.6	161.9	159.7	156.7	150.9	146.4
GN	139.9	152.8	153.6	137.8	128.5	127.8	125.0	123.0	118.0	115.1	110.7	105.8	100.1
Other cause	199.8	210.5	187.8	172.9	167.6	168.1	165.8	164.8	162.0	158.4	152.7	146.5	140.9
<2 years	256.2	256.7	228.6	202.9	193.1	193.0	189.0	187.3	182.5	179.2	175.2	168.6	162.7
2-<5 years	214.4	219.8	205.9	200.6	184.3	182.7	179.0	175.3	170.5	166.2	162.4	155.2	149.4
5+ years	144.4	194.6	182.8	169.0	166.9	166.3	161.0	157.6	153.1	149.4	144.5	138.4	132.7
All	211.3	228.2	208.9	192.5	183.2	182.5	178.2	175.4	170.7	167.0	162.8	156.2	150.5

period prevalent patients, by age, gender, race, ethnicity, primary diagnosis, & patient vintage

Table H.4

Annual mortality rates: dialysis patients*per 1,000 patient years at risk, period prevalent patients, by age, gender, race, ethnicity, primary diagnosis, & patient vintage*

UNADJUSTED	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	111.6	85.0	124.8	109.5	142.5	163.1	114.6	120.4	93.6	84.0	80.8	94.9	96.0
5-9	74.2	69.1	34.6	44.5	34.8	61.0	13.9	59.8	59.3	28.8	43.2	32.3	39.0
10-14	40.7	46.9	42.9	34.0	17.1	17.5	34.2	51.2	34.3	36.7	26.0	40.8	18.8
15-19	36.2	45.1	26.1	42.3	35.7	39.9	33.1	44.7	36.0	28.2	42.0	27.1	29.0
20-29	66.7	63.0	70.5	64.1	51.8	56.0	58.8	60.2	56.9	56.6	54.6	51.7	51.1
30-39	94.7	99.4	111.0	105.0	89.2	91.0	88.6	84.0	80.1	77.9	77.2	76.5	70.4
40-49	120.5	121.7	130.6	130.9	120.1	124.2	123.7	122.8	119.9	118.6	113.9	107.3	99.6
50-59	160.4	179.0	180.5	176.1	168.9	170.8	168.7	167.1	164.2	156.9	157.7	149.6	143.3
60-64	230.3	235.9	233.4	224.7	219.7	218.1	211.6	218.9	212.6	201.6	200.3	189.7	184.2
65-69	291.9	291.0	287.8	269.5	267.0	266.8	259.3	256.7	250.9	245.1	236.8	229.5	223.0
70-79	352.5	372.5	362.3	343.0	345.8	342.6	339.1	332.1	328.6	324.6	315.3	302.0	296.5
80-84	498.2	497.4	452.9	455.2	449.3	455.2	444.9	435.1	422.8	426.5	417.7	407.4	391.9
85+	613.2	599.5	568.4	540.2	576.8	562.3	567.8	551.3	534.0	538.0	526.8	523.9	502.8
Male	184.3	217.7	231.8	228.2	226.9	228.4	226.1	226.9	223.8	220.0	216.1	208.9	202.9
Female	179.6	204.1	223.0	231.2	239.5	242.0	240.6	237.4	232.1	228.5	224.6	215.4	207.5
White	192.2	234.2	260.7	268.4	274.9	275.3	275.3	272.9	266.8	263.3	259.5	249.5	241.8
Af Am	160.5	171.7	179.4	181.5	181.1	186.5	182.1	183.6	182.7	178.4	174.0	167.2	160.5
Other race	170.5	179.2	180.1	169.7	189.5	181.2	178.5	175.9	169.6	165.9	160.7	156.1	153.1
†Hispanic					185.7	186.7	185.1	184.6	178.2	174.0	166.1	156.0	150.7
†Non-Hisp.					239.7	242.2	240.4	239.4	235.9	232.5	229.6	222.1	215.2
Diabetes	286.2	309.6	294.2	274.8	271.3	272.7	265.7	263.1	256.3	250.9	245.3	233.7	226.1
HTN	147.6	211.7	233.4	234.9	234.1	235.3	234.4	232.7	230.3	228.0	225.8	218.1	211.3
GN	92.0	124.3	152.2	148.4	142.2	141.0	142.8	142.5	136.6	134.2	129.9	126.8	118.0
Other cause	210.6	212.1	204.8	207.3	215.4	217.8	219.5	219.5	217.3	212.0	207.4	201.3	195.3
<2 years	209.5	244.6	245.2	232.8	239.3	241.5	238.5	238.7	232.0	228.3	224.9	216.3	208.7
2-<5 years	162.3	200.8	231.8	249.2	236.3	237.2	236.5	232.6	229.0	224.8	221.1	210.2	204.0
5+ years	104.0	146.4	176.3	193.9	212.5	215.6	214.7	215.1	216.3	213.4	208.6	204.9	198.9
All	182.1	211.3	227.5	229.7	232.9	234.8	232.9	231.8	227.6	223.9	220.0	211.8	204.9
ADJUSTED													
0-19	66.5	78.4	60.6	64.9	61.1	66.2	58.9	68.3	62.2	56.7	55.7	52.5	50.1
20-44	112.6	113.2	119.4	114.1	104.3	103.4	104.7	103.2	100.1	97.8	94.3	89.9	84.9
45-64	183.3	203.3	199.1	185.6	177.1	177.7	175.1	174.5	171.5	166.5	163.3	156.0	149.8
65-74	288.7	324.1	309.5	292.9	293.5	292.1	288.2	284.4	278.8	274.2	265.0	252.4	244.4
75+	404.9	444.3	433.6	419.3	432.5	434.2	427.7	420.6	414.9	411.1	404.8	393.7	382.0
Male	234.9	256.1	249.4	229.7	220.2	219.6	215.8	213.9	210.5	206.5	201.7	193.6	187.1
Female	213.2	232.8	224.3	220.2	218.9	219.5	217.3	214.4	209.1	204.0	199.6	191.5	184.6
White	243.9	273.6	263.5	249.7	239.8	238.3	235.2	232.0	226.5	221.7	216.9	208.3	201.4
Af Am	191.3	199.5	203.3	196.6	191.8	195.5	192.1	191.9	189.8	186.7	181.2	172.9	165.5
Other race	202.9	223.6	195.0	166.0	179.9	175.3	168.5	164.3	159.0	154.5	148.5	141.5	137.1
Diabetes	296.1	319.8	300.7	278.3	268.7	267.1	259.9	255.0	247.6	241.2	235.0	224.0	215.0
HTN	170.7	206.4	211.4	207.9	200.4	200.4	198.3	196.9	193.7	190.9	187.5	180.4	175.6
GN	147.1	163.8	175.5	164.2	158.4	159.0	158.7	158.3	154.6	151.4	147.0	142.4	135.9
Other cause	212.8	225.5	216.1	209.0	212.8	215.1	215.4	215.3	214.1	210.9	205.3	197.6	191.3
<2 years	259.7	264.9	239.0	213.2	205.1	205.1	201.8	200.6	195.9	192.2	188.1	181.0	174.7
2-<5 years	224.3	242.3	243.1	236.7	215.9	213.9	210.6	206.5	201.3	196.0	191.7	182.8	176.3
5+ years	175.9	221.3	231.6	231.2	242.8	244.5	241.8	239.1	235.9	231.7	225.8	217.3	209.9
All	224.7	245.6	238.0	225.2	219.4	219.4	216.3	213.9	209.6	205.2	200.5	192.5	185.8

Table H.10

Annual mortality rates: transplant patients*per 1,000 patient years at risk, period prevalent patients, by age, gender, race, ethnicity, primary diagnosis, & patient vintage*

UNADJUSTED	1980	1985	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	124.2	48.3	22.4	10.1	4.3	16.3	22.9	15.0	15.6	10.9	10.7	7.0	10.0
5-9	48.9	13.2	6.4	8.5	7.2	3.0	7.1	7.0	1.3	2.6	.	.	2.5
10-14	40.4	26.0	0.0	5.8	3.9	3.1	6.9	4.4	2.9	8.1	5.7	1.4	0.0
15-19	17.3	8.8	9.6	11.5	6.7	6.9	7.3	9.4	5.9	11.8	4.7	3.4	4.7
20-29	15.5	16.1	11.8	8.1	7.1	9.8	9.5	5.6	7.1	7.4	9.5	8.2	7.4
30-39	40.5	27.5	20.9	16.5	14.1	16.2	14.2	13.4	12.7	12.8	10.6	11.1	9.5
40-49	73.5	40.3	36.9	31.0	24.6	25.9	24.7	21.8	20.2	19.8	19.6	17.9	17.1
50-59	66.2	71.1	54.2	45.7	42.4	40.4	36.9	37.7	33.5	35.0	34.1	31.6	29.9
60-64	131.2	90.4	69.4	70.7	62.3	62.7	55.0	59.0	55.7	51.3	48.6	45.3	42.9
65-69	60.2	99.6	100.6	90.4	83.5	77.3	74.5	73.1	75.3	72.8	64.4	61.8	58.4
70-79	91.7	59.5	103.2	118.6	115.1	115.0	107.9	113.5	98.9	95.0	95.8	97.4	85.3
80-84	.	403.1	98.5	136.0	200.9	153.0	143.5	149.7	163.0	169.9	173.3	168.9	172.7
85+	.	602.7	297.4	.	190.9	216.3	199.2	110.9	240.3	237.5	137.6	232.8	170.3
Male	48.8	37.5	37.9	36.9	35.9	37.7	35.6	35.8	35.0	36.1	35.1	34.6	32.9
Female	34.3	31.2	27.0	29.3	32.5	32.6	31.5	32.6	30.2	30.2	30.4	29.6	29.1
White	38.5	33.8	32.1	33.1	34.2	35.4	33.2	34.3	33.0	33.9	33.4	33.5	32.0
Af Am	61.5	42.9	43.7	39.6	38.8	39.4	39.4	38.8	35.8	36.3	35.6	32.2	32.4
Other race	65.6	27.4	21.8	27.1	24.8	25.7	25.5	23.4	25.4	23.8	23.6	23.7	22.3
†Hispanic					27.9	28.5	24.5	23.6	23.9	25.5	28.1	24.1	24.7
†Non-Hisp.					35.2	36.4	35.0	35.9	34.2	34.8	33.9	33.8	32.3
Diabetes	79.1	62.7	53.1	54.9	55.5	57.8	54.4	55.6	56.3	53.3	55.4	51.9	50.1
HTN	33.4	33.1	38.3	38.5	39.3	40.9	41.6	38.9	35.8	39.9	37.3	37.4	37.0
GN	22.0	21.6	23.7	23.8	25.6	25.9	23.3	24.2	21.8	23.8	23.2	22.6	21.9
Other cause	54.1	37.9	31.0	28.4	26.5	27.1	26.1	27.3	25.8	26.1	24.6	25.4	23.5
<2 years	59.7	37.2	26.1	20.4	15.5	19.1	19.3	17.9	16.9	21.3	15.0	15.1	15.7
2-<5 years	45.0	35.7	31.4	26.4	24.5	25.0	24.3	23.0	22.8	22.0	20.8	21.9	18.6
5+ years	14.2	33.4	36.9	39.6	40.5	41.2	38.7	40.0	37.8	38.3	38.4	37.1	36.0
All	42.9	35.0	33.6	33.8	34.5	35.6	33.9	34.5	33.1	33.7	33.2	32.6	31.3
ADJUSTED													
0-19		31.0	21.9	16.8	11.8	10.2	12.1	12.8	10.4	13.3	9.1	6.5	5.3
20-44		35.5	27.6	19.4	15.5	16.4	15.7	14.9	13.6	13.6	12.5	11.9	10.9
45-64		66.9	55.1	46.2	36.7	36.9	34.5	33.8	30.9	31.1	28.8	26.6	24.9
65-74		87.4	89.6	90.4	77.8	77.0	73.2	71.8	67.5	67.3	61.2	58.0	52.9
75+		147.8	76.2	130.4	111.7	116.1	110.9	116.0	112.8	106.7	101.8	96.5	91.9
Male		81.8	64.5	68.3	52.0	53.4	50.6	50.0	47.1	47.6	43.6	41.0	37.1
Female		66.2	49.7	48.3	45.0	45.6	43.5	44.2	41.5	40.2	37.8	35.2	33.7
White		79.4	58.1	58.1	48.7	49.7	46.8	47.4	44.7	45.0	42.0	39.5	36.7
Af Am		72.1	58.6	62.0	51.1	52.4	50.7	49.6	45.7	44.1	40.5	37.2	34.6
Other race		44.1	51.4	48.0	36.6	35.7	32.8	31.5	31.8	31.7	30.6	29.3	28.5
Diabetes		86.6	70.1	78.8	67.4	68.9	64.5	64.8	62.1	59.4	56.1	51.1	47.0
HTN		60.5	52.1	50.4	41.2	42.2	41.3	40.6	36.9	38.8	35.8	34.8	32.6
GN		74.3	49.2	41.5	35.5	35.5	32.9	33.0	29.5	30.6	28.2	26.8	25.2
Other cause		85.2	55.9	49.4	37.7	37.6	35.3	35.6	34.3	34.3	30.7	29.0	27.3
<2 years		79.1	51.4	47.1	33.2	35.9	35.6	35.9	33.3	35.6	30.4	27.6	25.8
2-<5 years		74.1	55.3	52.4	44.9	44.5	41.8	41.0	39.1	36.7	34.7	33.6	30.1
5+ years		69.4	68.2	82.4	77.1	76.9	70.9	72.2	68.2	65.7	64.4	60.6	57.1
All		74.7	57.8	58.7	48.8	49.7	47.2	47.3	44.5	44.1	40.8	38.3	35.5



Table I.2

One-year survival probabilities: incident ESRD patients*from day 91 to one year + 90 days, by age, gender, race, ethnicity, & primary diagnosis*

UNADJUSTED	1980	1985	1990	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
0-4	93.5	88.9	85.0	89.3	92.0	89.3	88.5	87.5	84.0	88.8	90.3	90.9	89.3	93.9	85.9	91.1
5-9	93.5	95.0	97.1	97.2	95.7	96.1	100.0	96.7	96.1	98.0	94.4	97.2	98.6	98.6	96.0	98.4
10-14	97.7	97.6	96.8	97.5	97.0	97.8	97.8	98.0	97.7	98.0	96.7	97.9	97.5	97.2	97.9	98.6
15-19	96.5	95.8	97.6	97.3	96.7	98.3	96.8	98.0	97.9	97.9	97.8	98.3	97.3	97.5	97.7	97.5
20-29	91.8	92.3	92.6	92.7	94.3	95.4	95.1	95.5	93.7	95.0	94.1	93.8	94.1	94.4	94.9	94.6
30-39	89.5	89.4	90.2	88.7	90.3	91.0	91.3	91.0	91.0	91.5	91.6	91.8	92.2	92.2	93.0	93.2
40-49	88.0	88.0	89.0	89.2	89.5	90.1	89.1	89.6	89.6	89.1	88.9	89.0	89.5	89.6	90.1	90.8
50-59	83.7	82.2	84.2	85.9	85.2	85.8	85.4	86.0	85.5	85.9	85.9	85.6	86.1	86.1	87.0	87.2
60-64	78.6	76.4	78.3	80.2	81.4	81.7	79.9	81.2	80.9	81.8	81.1	82.1	82.2	83.0	83.1	83.3
65-69	72.7	71.2	75.6	76.9	77.4	76.7	76.3	76.3	77.0	77.2	77.0	78.0	77.5	78.9	79.5	79.4
70-79	67.1	66.9	68.5	70.5	70.3	69.5	69.7	69.3	69.5	70.0	70.1	70.6	71.1	72.1	72.1	72.5
80-84	59.5	60.1	61.6	62.6	61.8	61.3	60.0	61.5	60.5	61.0	62.1	62.3	63.5	63.0	63.3	63.9
85+	52.8	51.1	54.0	55.8	53.6	54.1	52.9	52.6	53.1	53.8	53.6	54.2	55.3	55.3	56.0	57.5
Male	81.4	78.8	79.5	79.8	79.9	79.6	79.1	79.3	79.0	79.3	79.1	79.2	79.4	79.7	80.6	80.6
Female	82.1	79.3	79.5	79.9	79.3	78.8	78.0	78.1	77.7	78.0	77.7	78.0	78.7	79.0	79.6	80.1
White	80.4	77.1	77.1	77.7	77.2	76.6	76.2	76.5	76.2	76.2	76.2	76.5	76.9	77.3	78.1	78.2
African American	85.2	83.1	83.8	83.2	83.9	83.8	82.7	82.6	82.0	82.8	82.1	81.9	82.4	82.8	83.4	83.8
Other race	82.1	83.8	86.5	84.5	83.2	84.3	82.9	83.0	84.0	85.2	84.2	85.1	85.5	85.9	86.4	87.7
†Hispanic					83.8	83.1	83.3	82.9	83.7	84.0	83.2	83.8	84.6	84.8	85.8	86.2
†Non-Hispanic					79.1	78.7	78.0	78.1	77.6	77.9	77.7	77.9	78.2	78.6	79.2	79.5
Diabetes	76.1	74.3	77.1	78.9	78.7	78.2	77.4	78.1	78.1	78.4	78.3	78.7	79.2	79.7	80.5	80.8
Hypertension	84.5	79.1	78.1	79.0	78.4	77.5	76.9	77.0	76.7	76.8	76.9	76.9	77.1	77.0	78.0	78.6
Glomerulonephritis	91.5	88.1	87.4	87.8	88.3	88.3	88.5	87.6	88.4	88.4	88.2	88.6	89.1	89.8	89.7	90.7
Other cause	79.4	78.4	80.2	78.0	78.0	78.6	78.1	77.8	76.6	77.1	76.2	76.6	77.1	77.9	78.5	78.4
All	81.7	79.1	79.5	79.8	79.6	79.2	78.6	78.7	78.4	78.7	78.5	78.7	79.1	79.4	80.1	80.4
ADJUSTED																
0-19	93.5	91.7	93.0	93.7	93.4	94.4	93.8	94.1	92.6	94.2	93.4	95.0	93.6	95.1	93.2	94.6
20-44	87.9	88.9	89.7	89.1	90.5	91.1	90.7	90.9	90.7	90.9	90.8	91.0	91.4	91.6	92.3	92.6
45-64	80.2	80.0	82.9	85.0	85.1	85.7	84.8	85.6	85.3	85.7	85.4	85.4	85.8	86.1	86.7	86.8
65-74	69.7	69.0	73.2	75.2	75.4	74.7	74.7	74.7	75.0	75.4	75.2	75.8	76.1	76.9	78.0	77.9
75+	61.1	62.0	63.2	64.5	63.8	63.4	62.8	63.0	63.1	63.6	63.9	64.0	64.7	64.7	65.2	65.9
Male	72.3	72.1	75.4	77.1	77.8	78.1	77.8	78.2	78.2	78.6	78.5	78.8	79.0	79.3	80.1	80.3
Female	74.0	74.4	77.1	78.8	78.7	78.6	77.9	78.1	78.1	78.6	78.4	78.7	79.2	79.5	80.1	80.5
White	70.2	70.7	74.3	76.8	76.9	76.8	76.7	77.2	77.2	77.4	77.6	77.9	78.4	78.6	79.3	79.4
African American	79.6	77.8	79.7	79.8	80.9	81.0	80.0	79.8	79.5	80.4	79.8	79.4	79.9	80.4	81.0	81.6
Other race	72.1	77.7	83.2	82.9	81.9	83.3	81.6	82.2	83.1	84.2	83.3	84.4	84.7	85.2	85.7	86.9
Diabetes	68.1	68.4	73.9	77.0	77.2	77.2	76.5	77.3	77.6	78.1	78.0	78.4	78.9	79.4	80.2	80.5
Hypertension	80.5	78.2	79.1	80.5	80.3	79.9	79.6	79.7	79.6	79.8	80.1	79.9	80.1	80.0	80.8	81.1
Glomerulonephritis	83.6	81.8	82.0	83.3	84.3	84.3	84.6	83.9	84.6	84.3	84.5	84.8	85.1	86.0	86.0	87.0
Other cause	73.9	73.6	75.8	74.2	74.5	75.6	75.0	74.9	73.8	74.5	73.5	74.0	74.5	75.5	76.2	76.2
All	73.1	73.2	76.3	78.0	78.2	78.3	77.8	78.2	78.2	78.6	78.5	78.7	79.1	79.4	80.1	80.4

Table I.6

Ten-year survival probabilities: incident ESRD patients*from day 91 to ten years + 90 days, by age, gender, race, ethnicity, & primary diagnosis*

UNADJUSTED	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-4	76.1	73.3	75.6	76.1	67.4	74.0	72.4	72.5	75.9	74.4	76.5	77.4	77.8	78.7	78.2
5-9	80.6	83.2	86.6	83.8	90.1	85.2	87.1	90.0	90.3	80.2	89.2	86.1	82.9	92.2	91.0
10-14	79.7	82.0	85.8	89.8	81.5	80.7	81.5	86.7	82.2	83.4	82.5	87.3	87.4	84.1	85.9
15-19	80.3	76.7	79.1	79.0	80.5	83.1	83.0	79.2	80.7	79.7	82.6	80.7	77.6	80.3	77.1
20-29	64.4	64.1	65.7	65.1	67.0	64.6	66.0	64.8	66.2	69.0	68.7	67.5	69.2	71.0	70.8
30-39	47.0	47.3	49.5	47.6	49.6	50.0	50.7	49.6	50.6	50.8	50.5	52.2	52.5	53.9	54.9
40-49	33.4	35.7	36.3	36.2	36.5	34.6	36.2	34.9	37.1	37.3	37.4	38.1	37.7	39.0	39.7
50-59	16.5	18.1	18.9	19.9	18.1	18.5	18.5	19.6	19.5	19.8	21.3	21.7	21.8	22.7	24.2
60-64	8.8	9.4	9.1	8.9	9.5	8.9	9.0	9.4	10.0	10.3	11.0	11.4	12.3	12.7	12.6
65-69	4.8	6.3	5.2	5.0	5.2	5.0	5.4	4.8	5.1	5.8	5.7	6.1	6.4	6.3	7.5
70-79	2.8	2.9	2.4	2.8	2.6	2.3	2.1	2.0	2.2	2.5	2.3	2.5	2.7	2.7	2.9
80-84	2.2	0.9	1.0	1.0	0.7	0.8	0.4	0.7	0.8	0.8	0.7	1.0	1.0	0.8	0.6
85+	1.1	0.4	0.3	0.0	0.2	0.6	0.3	0.6	0.4	0.5	0.7	0.4	0.9	0.4	0.5
Male	25.4	23.3	23.8	22.9	22.4	21.7	22.0	20.7	21.1	21.6	21.1	22.0	21.5	21.0	21.4
Female	25.6	22.2	21.4	20.6	20.9	19.4	18.7	18.2	18.3	18.1	18.3	18.4	17.9	17.9	18.2
White	26.0	22.7	22.4	21.6	20.6	19.6	19.5	18.4	18.5	18.7	18.3	18.9	18.3	17.9	18.3
African American	24.2	22.0	22.0	21.2	22.7	21.9	21.1	20.6	21.4	21.2	21.6	22.1	22.1	21.9	21.9
Other race	27.0	31.8	33.4	30.8	32.2	30.3	31.2	29.9	27.9	29.1	27.6	25.6	24.6	25.7	27.0
†Hispanic													23.8	24.6	25.2
†Non-Hispanic													19.3	18.9	19.2
Diabetes	14.2	12.4	12.8	12.2	11.8	11.5	10.8	10.6	10.9	11.2	11.5	11.4	11.3	11.1	11.6
Hypertension	26.6	17.8	17.6	15.9	17.3	16.2	16.3	15.6	16.4	15.9	16.2	17.5	17.0	16.7	16.6
Glomerulonephritis	47.6	39.8	39.9	39.5	39.8	39.0	39.4	37.3	39.7	40.5	39.5	41.4	40.5	41.7	43.1
Other cause	21.5	28.0	28.5	29.1	28.5	29.1	30.6	30.7	30.0	31.2	30.9	30.3	30.6	30.8	31.3
All	25.5	22.8	22.7	21.8	21.7	20.7	20.5	19.6	19.8	20.0	19.8	20.3	19.8	19.6	19.9
ADJUSTED															
0-19	70.2	68.1	72.2	73.1	71.1	73.4	73.7	72.4	73.4	71.2	74.9	74.6	72.1	74.9	73.3
20-44	43.2	46.0	47.4	46.3	47.6	47.9	48.6	47.6	48.7	49.4	49.7	49.9	50.1	51.7	51.6
45-64	12.7	15.4	16.4	16.9	16.7	16.9	17.1	18.0	19.0	19.6	20.9	21.6	22.3	23.1	24.2
65-74	3.5	4.7	3.9	4.0	4.0	4.0	4.2	3.8	4.2	4.7	4.6	4.9	5.3	5.3	6.2
75+	1.9	1.4	1.3	1.5	1.4	1.3	0.8	1.1	1.1	1.3	1.2	1.4	1.5	1.4	1.3
Male	13.2	14.7	15.2	15.1	15.0	15.3	15.7	15.5	16.2	16.8	17.0	17.6	17.9	18.3	19.0
Female	14.2	15.4	15.3	15.5	15.7	15.5	15.3	15.7	16.1	16.4	16.9	17.2	17.3	17.6	18.4
White	13.1	14.6	14.7	15.0	14.8	15.0	15.2	15.2	16.0	16.6	16.9	17.4	17.7	18.0	18.7
African American	14.0	14.3	14.6	14.3	15.0	14.6	14.5	14.7	15.2	15.4	15.9	16.3	16.6	17.0	17.4
Other race	13.3	19.4	20.7	19.0	21.0	20.7	21.9	22.0	21.6	22.4	21.8	22.3	22.4	23.5	24.8
Diabetes	9.0	9.3	9.6	9.7	9.5	9.5	9.4	9.6	10.1	10.7	11.2	11.2	11.6	11.7	12.4
Hypertension	19.5	17.1	17.3	16.9	17.4	17.2	17.5	17.2	17.9	18.0	18.5	19.3	19.3	19.8	20.0
Glomerulonephritis	24.0	23.7	24.2	23.8	24.4	24.4	24.2	24.3	25.8	26.3	26.3	27.7	27.6	28.5	30.2
Other cause	14.6	19.5	19.8	20.5	20.1	20.8	21.4	21.8	21.6	22.6	22.5	22.5	23.2	23.9	24.4
All	13.6	15.1	15.3	15.3	15.3	15.3	15.5	15.6	16.1	16.6	16.9	17.4	17.7	18.0	18.7



Table J.1

Certified dialysis & transplant facilities: by Medicare certification

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Certified units										
Facilities	2,148	2,292	2,456	2,624	2,876	3,083	3,344	3,576	3,833	4,013
Dialysis patients	141,942	156,834	170,958	186,316	199,711	213,731	229,834	245,365	259,159	273,009
Transplanted patients	9,997	10,090	10,903	11,295	11,885	12,179	12,367	13,316	13,479	14,300
Veterans Administration										
Facilities	12	12	13	13	12	12	11	11	10	10
Dialysis patients	546	520	521	506	451	372	356	345	334	324
Transplanted patients	14	11	*	*	.	.	.	.	.	.
Total facilities	2,160	2,304	2,469	2,637	2,888	3,095	3,355	3,587	3,843	4,023
Total dialysis patients	142,488	157,354	171,479	186,822	200,162	214,103	230,190	245,710	259,493	273,333
Patients transplanted	10,011	10,101	10,910	11,296	11,885	12,179	12,367	13,316	13,479	14,300
Total transplants	10,026	10,115	10,934	11,312	11,902	12,198	12,427	13,272	13,483	14,311
Living donor	2,382	2,536	2,828	3,000	3,416	3,703	3,915	4,520	4,644	5,427
Deceased donor	7,644	7,579	8,106	8,312	8,486	8,495	8,512	8,752	8,839	8,884

	2001	2002	2003	2004	2005	2006	2007	2008
Certified units								
Facilities	4,175	4,379	4,530	4,673	4,870	4,997	5,170	5,430
Dialysis patients	285,645	296,322	307,909	318,170	330,132	342,752	355,443	368,639
Transplanted patients	14,608	15,055	15,661	16,488	17,146	17,712	17,254	16,961
Veterans Administration								
Facilities	10	54	61	59	71	70	70	71
Dialysis patients	337	2,030	2,186	2,234	2,658	2,551	2,652	2,696
Transplanted patients	.	22	51	41	114	106	100	93
Total facilities	4,185	4,433	4,591	4,732	4,941	5,067	5,240	5,501
Total dialysis patients	285,982	298,352	310,095	320,404	332,790	345,303	358,095	371,335
Patients transplanted	14,608	15,077	15,712	16,529	17,260	17,818	17,354	17,054
Total transplants	14,628	15,106	15,738	16,568	17,295	17,870	17,380	17,098
Living donor	5,804	5,893	6,244	6,506	6,480	6,361	5,987	5,858
Deceased donor	8,824	9,213	9,494	10,062	10,815	11,509	11,393	11,240

Table K.1

Total Medicare costs (\$) of reported ESRD per calendar year*all ESRD patients with at least one Medicare claim, by age, gender, race, ethnicity, & primary diagnosis*

	1995	2000	2005	2006	2007	2008
0-4	10,765,454	7,643,219	16,498,765	15,416,216	14,521,786	19,894,428
5-9	9,354,976	9,507,997	11,543,800	12,327,707	13,780,102	13,904,033
10-14	19,668,184	16,635,862	28,656,189	26,943,689	25,949,120	25,084,744
15-19	47,099,670	47,054,601	64,575,602	70,576,140	64,796,978	73,293,962
20-29	335,203,873	354,523,666	450,527,089	477,439,419	489,798,751	531,112,621
30-39	811,577,702	894,482,958	1,216,128,949	1,252,856,130	1,279,298,500	1,360,663,142
40-49	1,174,696,743	1,593,397,886	2,438,139,710	2,504,689,613	2,568,401,951	2,755,742,305
50-59	1,464,094,862	2,176,675,595	3,731,444,937	4,001,395,523	4,193,347,151	4,633,716,598
60-64	923,819,304	1,270,146,998	2,127,629,254	2,230,629,845	2,361,782,356	2,661,575,705
65-69	1,320,604,349	1,667,142,841	2,643,865,366	2,724,747,345	2,811,581,505	3,116,420,013
70-79	2,131,508,801	3,122,695,648	4,675,841,308	4,766,074,183	4,879,450,911	5,284,369,824
80-84	414,559,458	670,732,315	1,273,139,896	1,321,523,492	1,364,574,516	1,504,417,509
85+	188,880,657	381,179,618	774,347,231	847,738,125	921,705,164	1,060,721,419
Unknown	591,046	590,980	133,230	1,162,876	376,325	410,720
0-19	86,888,283	80,841,679	121,274,356	125,263,751	119,047,987	132,177,167
20-44	1,694,341,107	1,957,413,135	2,723,762,274	2,811,439,375	2,866,485,409	3,076,253,030
45-64	3,015,051,377	4,331,813,967	7,240,107,665	7,655,571,154	8,026,143,300	8,866,557,340
65-74	2,574,160,373	3,368,356,099	5,125,648,187	5,248,892,426	5,430,337,326	5,968,741,306
75+	1,481,392,891	2,473,394,322	4,241,545,614	4,411,190,719	4,546,974,769	4,997,187,460
Unknown	591,046	590,980	133,230	1,162,876	376,325	410,720
Male	4,452,369,830	6,227,233,739	10,274,186,308	10,737,214,845	11,172,984,238	12,325,412,851
Female	4,399,944,725	5,985,176,445	9,178,198,592	9,516,297,710	9,816,376,510	10,715,888,248
Unknown	110,522	.	86,426	7,746	4,368	25,924
White	5,234,703,778	6,950,899,877	11,081,778,470	11,489,484,618	11,938,572,661	13,145,071,968
African American	3,269,268,038	4,631,968,326	7,295,395,270	7,653,282,608	7,907,508,110	8,634,091,733
Native American	112,637,886	171,057,611	261,007,387	267,430,439	277,204,905	302,822,446
Asian	218,795,391	366,057,911	631,485,024	681,474,860	723,430,368	828,217,866
Other/unknown	.	92,426,458	182,805,175	161,847,776	142,649,071	131,123,011
†Hispanic		1,404,603,460	2,533,570,963	2,681,597,262	2,836,809,727	3,179,540,900
†Non-Hispanic		10,072,550,779	16,598,538,703	17,293,964,472	17,894,997,872	19,564,202,284
Unknown	3,329,550,577	735,255,944	320,361,660	277,958,568	257,557,517	297,583,839
Diabetes	3,343,175,854	5,231,683,319	8,841,936,520	9,272,887,013	9,637,075,105	10,574,833,748
Hypertension	2,623,280,405	3,316,998,185	5,213,373,544	5,394,749,307	5,592,767,160	6,126,990,775
Glomerulonephritis	1,266,026,607	1,521,157,209	2,066,059,543	2,093,217,623	2,101,393,342	2,241,595,744
Other cause	1,322,037,119	1,732,687,603	2,652,476,869	2,770,835,622	2,902,506,339	3,239,853,909
Unknown	297,905,092	409,883,867	678,624,849	721,830,736	755,623,169	858,052,847
All	8,852,425,077	12,212,410,183	19,452,471,326	20,253,520,301	20,989,365,115	23,041,327,023



Table K.6

Per person per year costs (\$): dialysis patients, with unknowns dropped (model 1)*period prevalent patients, as-treated model, primary payor only, by age, gender, race, ethnicity, & primary diagnosis*

	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	60,998	54,615	55,279	59,202	65,557	78,642	88,648	78,637	79,361	116,423
5-9	39,343	49,100	49,737	47,542	48,453	52,210	56,834	74,540	69,018	73,683
10-14	43,532	41,074	43,090	45,415	49,112	48,230	55,705	60,557	61,784	60,631
15-19	42,151	43,706	46,417	50,223	49,122	49,941	57,084	60,205	57,684	66,513
20-29	41,318	44,479	46,527	48,755	51,063	53,640	56,121	60,129	62,113	65,747
30-39	44,168	48,064	50,690	52,726	54,136	56,363	59,854	62,768	64,071	66,974
40-49	44,660	49,833	52,793	55,528	57,387	60,649	63,437	65,303	66,057	69,473
50-59	46,851	52,896	56,158	58,577	60,555	63,599	65,995	68,058	68,792	72,476
60-64	48,741	54,752	58,617	61,771	63,508	66,967	68,984	70,493	71,596	74,920
65-69	53,244	58,618	61,914	65,288	67,715	70,627	73,102	74,587	75,614	80,156
70-79	54,261	60,099	63,647	66,174	68,199	71,330	74,354	76,642	78,288	83,179
80-84	55,185	59,667	63,635	66,356	68,364	70,661	74,749	77,422	79,494	84,405
85+	55,740	60,198	63,482	65,715	69,234	70,357	74,738	77,901	79,743	84,110
0-19	43,975	44,384	46,669	49,610	50,351	52,141	59,312	63,040	61,234	70,550
20-44	43,792	47,698	50,465	52,901	54,542	57,156	60,588	63,452	64,495	67,749
45-64	46,960	52,957	56,279	58,944	60,877	64,116	66,349	68,166	69,087	72,636
65-74	53,607	59,395	62,780	65,635	67,929	70,796	73,599	75,331	76,862	81,536
75+	54,952	59,945	63,630	66,276	68,447	71,140	74,680	77,409	79,015	83,850
Male	47,435	52,997	56,178	58,912	61,056	63,950	67,195	69,285	70,363	74,283
Female	51,869	57,668	61,331	64,115	66,095	69,089	71,542	73,753	75,082	79,334
White	50,240	55,787	59,095	61,710	63,971	66,582	69,601	71,708	72,993	77,225
African American	49,229	54,991	58,737	61,627	63,713	67,183	69,991	72,293	73,331	77,291
Native American	45,497	49,810	52,060	56,120	56,585	59,002	59,799	60,982	62,200	64,551
Asian	43,273	50,845	52,721	55,751	56,020	58,268	60,457	62,075	62,867	66,884
Other/unknown	56,568	57,584	59,106	60,407	59,502	62,732	65,665	66,419	69,663	71,390
†Hispanic		54,242	57,252	60,462	62,383	64,912	67,526	69,780	71,295	75,393
†Non-Hispanic		55,209	58,802	61,525	63,630	66,607	69,509	71,615	72,720	76,732
Diabetes	55,226	60,408	64,131	66,588	68,487	71,973	75,021	77,257	78,306	82,700
Hypertension	48,162	52,972	56,283	59,002	61,069	63,456	66,095	68,224	69,421	73,294
Glomerulonephritis	43,213	47,231	49,695	52,325	54,018	56,227	58,282	59,982	60,782	63,966
Other cause	46,615	53,336	56,525	59,491	61,969	64,265	67,104	68,731	70,229	73,835
Unknown cause	48,140	52,912	55,012	58,386	59,462	63,668	67,158	69,632	70,734	75,632
All	49,594	55,230	58,630	61,369	63,425	66,351	69,213	71,348	72,527	76,587

Table K.7

Per person per year costs (\$): hemodialysis patients, with unknowns dropped (model 1)*period prevalent patients, as-treated model, primary payor only, by age, gender, race, ethnicity, & primary diagnosis*

	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	82,293	85,329	95,828	79,830	65,272	89,582	130,926	105,570	103,491	173,772
5-9	49,487	50,196	61,090	59,505	64,517	66,074	69,567	93,160	68,503	101,587
10-14	45,763	45,585	51,456	54,444	55,175	51,316	58,852	60,679	70,155	66,713
15-19	44,837	45,762	48,899	52,974	51,641	53,456	59,609	63,817	61,259	68,714
20-29	42,488	45,678	48,183	50,481	52,874	55,620	57,825	61,912	63,927	67,445
30-39	45,672	49,185	52,147	54,302	55,838	58,184	61,513	64,470	65,814	68,574
40-49	45,800	50,872	53,917	56,555	58,592	62,108	65,028	66,747	67,441	70,756
50-59	47,688	53,594	56,990	59,474	61,600	64,689	67,139	69,153	69,917	73,546
60-64	49,548	55,191	59,237	62,459	64,394	67,994	69,906	71,449	72,619	75,894
65-69	53,840	59,122	62,214	65,812	68,350	71,342	73,865	75,233	76,321	80,890
70-79	54,660	60,088	63,657	66,380	68,463	71,784	74,755	77,080	78,710	83,598
80-84	55,205	59,281	63,225	65,945	67,935	70,353	74,448	77,130	79,262	84,282
85+	55,449	59,495	62,786	64,930	68,400	69,659	74,172	77,414	79,035	83,553
0-19	47,075	46,997	51,131	54,370	53,189	54,605	61,807	65,848	64,180	74,176
20-44	45,138	48,856	51,850	54,395	56,168	58,950	62,307	65,089	66,159	69,259
45-64	47,872	53,651	57,137	59,809	61,906	65,259	67,519	69,307	70,235	73,733
65-74	54,172	59,724	63,025	66,099	68,473	71,499	74,277	75,939	77,517	82,212
75+	55,046	59,615	63,293	66,009	68,202	71,008	74,572	77,361	78,911	83,790
Male	48,198	53,433	56,659	59,452	61,735	64,699	67,910	70,027	71,009	74,946
Female	53,020	58,477	62,234	65,118	67,141	70,328	72,788	74,898	76,388	80,584
White	51,518	56,512	59,885	62,584	64,983	67,659	70,678	72,735	74,079	78,331
African American	49,811	55,409	59,204	62,145	64,289	67,947	70,692	72,983	74,003	77,920
Native American	45,819	50,282	52,572	56,848	57,075	59,645	60,324	61,425	62,665	64,799
Asian	44,531	51,923	53,812	56,926	57,240	59,598	62,042	63,620	64,235	68,096
Other/unknown	58,039	58,805	60,655	61,852	60,558	63,921	66,993	67,723	70,989	72,642
†Hispanic		55,195	58,161	61,438	63,433	65,947	68,673	70,836	72,344	76,453
†Non-Hispanic		55,759	59,423	62,234	64,442	67,579	70,439	72,522	73,646	77,648
Diabetes	55,930	60,735	64,495	67,026	69,054	72,600	75,638	77,823	78,913	83,234
Hypertension	48,815	53,345	56,659	59,521	61,604	64,177	66,817	68,946	70,168	74,046
Glomerulonephritis	44,742	48,439	51,013	53,759	55,495	58,006	60,007	61,485	62,475	65,709
Other cause	47,700	54,131	57,570	60,546	63,172	65,617	68,376	69,980	71,365	74,969
Unknown cause	49,260	53,442	55,458	58,822	60,272	64,076	67,627	70,499	71,390	76,215
All	50,551	55,836	59,303	62,118	64,267	67,320	70,165	72,268	73,464	77,506



Table K.8

Per person per year costs (\$): CAPD/CCPD patients, with unknowns dropped (model 1)*period prevalent patients, as-treated model, primary payor only, by age, gender, race, ethnicity, & primary diagnosis*

	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	53,296	41,087	46,426	53,158	65,433	70,322	79,055	71,386	71,250	95,881
5-9	36,701	47,056	41,277	40,376	39,809	45,142	49,994	61,736	69,743	53,865
10-14	41,101	34,832	32,873	36,318	43,227	44,983	52,975	59,809	52,804	54,479
15-19	37,415	38,092	40,187	42,367	41,811	39,176	48,356	48,286	47,236	59,282
20-29	37,509	38,120	38,406	39,760	41,267	43,217	45,986	49,002	50,344	55,111
30-39	38,545	41,227	41,452	42,537	42,548	43,279	47,274	49,966	50,804	53,648
40-49	39,747	41,812	43,412	45,909	46,085	46,766	47,407	50,685	50,934	55,562
50-59	42,082	45,299	46,472	48,097	48,030	49,997	51,059	53,297	53,314	56,888
60-64	42,618	47,666	48,539	49,560	49,043	50,620	52,602	53,307	53,491	57,492
65-69	45,487	47,350	51,470	51,952	52,644	53,597	54,290	57,231	56,413	60,019
70-79	43,914	49,483	50,981	49,992	51,049	51,600	54,710	56,264	57,144	60,911
80-84	44,252	45,303	48,016	51,067	52,275	52,566	56,667	58,469	58,798	61,144
85+	42,164	47,208	45,505	46,714	51,360	48,356	52,411	55,736	58,072	56,298
0-19	40,492	38,766	39,321	42,007	45,961	46,839	55,010	57,518	56,141	64,136
20-44	38,688	40,408	41,455	42,736	42,964	44,442	47,300	50,665	50,972	55,036
45-64	41,654	45,254	46,196	48,058	48,062	49,388	50,471	52,347	52,729	56,525
65-74	44,958	48,452	51,201	50,787	52,174	52,403	54,371	56,902	56,680	60,230
75+	43,400	47,927	49,698	50,461	50,949	51,941	55,196	56,679	57,883	60,636
Male	40,835	43,789	45,332	46,804	47,091	48,698	51,381	53,227	54,520	57,611
Female	42,744	45,871	47,261	48,165	49,024	49,569	51,186	54,044	53,219	57,668
White	41,767	44,709	46,233	47,377	47,775	49,418	51,543	53,981	53,791	57,213
African American	42,502	45,770	47,447	48,891	49,856	49,937	52,759	54,809	55,775	60,151
Native American	42,643	42,205	45,094	45,311	48,289	47,963	49,678	51,538	52,364	56,615
Asian	34,902	41,416	41,503	41,980	41,771	41,967	42,059	43,929	46,351	51,498
Other/unknown	39,377	44,654	40,850	44,421	44,678	43,738	43,176	50,170	51,017	51,732
†Hispanic		41,531	43,833	45,385	45,620	48,362	47,842	50,396	51,005	55,358
†Non-Hispanic		44,871	46,594	47,728	48,406	49,274	51,786	54,111	54,275	57,927
Diabetes	48,196	51,677	53,323	54,402	54,355	56,715	58,605	61,320	61,222	66,281
Hypertension	40,158	42,612	44,637	44,822	45,970	46,192	48,633	50,644	50,848	54,425
Glomerulonephritis	36,339	38,781	39,954	41,332	42,783	42,744	45,052	47,782	46,703	49,836
Other cause	39,465	42,664	43,585	45,533	45,910	46,824	48,941	51,039	52,500	55,569
Unknown cause	38,969	41,255	41,461	43,766	41,794	44,263	46,737	47,226	50,950	51,930
All	41,757	44,828	46,288	47,474	48,044	49,125	51,286	53,622	53,887	57,639

Table K.9

Per person per year costs (\$): transplant patients, with unknowns dropped (model 1)*period prevalent patients, as-treated model, primary payor only, by age, gender, race, ethnicity, & primary diagnosis*

	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008
0-4	23,775	26,817	26,603	33,269	38,164	35,995	51,015	45,409	43,272	48,852
5-9	16,419	13,817	16,302	16,937	20,864	19,806	25,211	28,553	37,725	39,942
10-14	15,472	13,235	14,404	17,185	21,472	27,066	33,798	29,706	33,079	34,985
15-19	19,037	16,119	19,550	20,160	23,275	26,239	28,161	30,843	27,031	32,371
20-29	18,571	17,228	19,305	20,382	20,733	22,931	25,067	27,107	25,903	27,497
30-39	17,952	17,271	18,815	20,032	20,298	22,665	23,905	23,597	23,551	24,643
40-49	18,217	17,406	19,264	20,268	20,385	22,622	23,996	23,793	23,678	24,526
50-59	19,842	19,470	20,543	21,607	21,771	23,651	24,430	24,721	24,548	26,362
60-64	19,518	20,490	21,491	21,828	24,338	24,239	25,801	26,008	25,388	27,297
65-69	19,675	21,203	22,468	24,365	24,646	26,310	27,213	26,306	25,797	28,147
70-79	18,493	21,028	24,148	24,007	24,718	25,404	26,844	25,737	26,184	28,293
80-84	18,333	18,729	20,409	19,146	20,743	23,543	26,171	24,175	22,832	30,834
85+	10,425	17,349	18,003	18,311	14,426	32,720	21,740	26,508	23,267	27,479
0-19	18,056	15,539	17,963	19,743	23,611	26,474	31,373	31,743	31,557	35,710
20-44	18,101	17,099	18,889	20,131	20,398	22,531	24,336	24,196	23,862	25,021
45-64	19,357	19,309	20,540	21,341	22,013	23,643	24,539	24,884	24,658	26,256
65-74	19,406	21,383	22,892	24,048	24,621	25,891	27,064	26,171	26,055	28,218
75+	17,398	18,579	24,763	24,539	24,183	25,774	26,662	25,041	24,945	28,676
Male	18,559	18,286	20,196	20,906	21,869	23,625	24,950	24,946	24,534	26,265
Female	18,989	19,113	20,404	22,041	22,222	24,122	25,486	25,335	25,423	27,273
White	17,759	17,414	18,946	20,055	20,734	22,575	23,727	23,637	23,496	25,321
African American	22,920	23,179	25,168	26,312	26,949	28,199	30,197	30,104	29,843	31,367
Native American	18,300	18,374	19,948	19,979	21,262	23,867	25,857	25,552	24,539	28,236
Asian	14,814	15,446	17,923	18,502	17,859	20,418	21,503	21,868	21,393	23,378
Other/unknown	15,729	25,796	15,121	18,894	35,231	46,924	35,683	33,561	27,357	26,677
†Hispanic		18,744	20,369	21,157	21,789	23,803	25,261	25,891	24,995	27,285
†Non-Hispanic		19,456	21,095	22,203	22,762	24,314	25,574	25,443	25,354	26,855
Diabetes	25,525	25,158	27,094	29,040	29,541	31,341	32,809	32,087	31,743	33,862
Hypertension	19,523	18,899	21,605	22,318	22,825	24,271	25,584	24,909	25,005	26,840
Glomerulonephritis	15,545	15,431	16,468	17,272	17,888	19,627	20,469	20,897	20,439	21,737
Other cause	16,020	15,743	17,016	17,748	18,845	20,468	22,027	22,444	22,467	24,051
Unknown cause	13,968	15,461	16,521	17,178	16,103	19,276	21,062	21,613	20,453	22,380
All	18,730	18,619	20,280	21,366	22,012	23,826	25,167	25,103	24,892	26,668



Table K.b

Medicare payments (\$) per person per year: 2008, by claim type & modality (model 1)*period prevalent patients, as-treated model; Medicare primary payor only*

	All ESRD	All dialysis	Hemodialysis	CAPD/CCPD	Other dialysis	Transplant
Patient years at risk	336,753	264,600	245,728	17,778	1,094	72,153
Total Medicare	65,891	76,587	77,506	57,639	178,116	26,668
Total inpatient	24,346	27,108	27,051	22,806	109,791	14,218
Medical DRG	12,332	14,070	14,057	11,063	65,844	5,960
Surgical DRG	10,215	11,813	11,779	10,626	38,748	4,353
Other DRG	116	127	131	58	300	74
Rehabilitation	745	858	845	853	3,940	330
Transplant DRG	696	0	0	0	0	3,246
Non-transplant pass-throughs	230	240	239	207	959	193
Transplant pass-throughs	13	0	0	0	0	62
Total outpatient	23,909	29,677	30,140	23,755	21,853	2,758
Outpatient hemodialysis	12,861	16,331	17,507	696	6,320	135
Outpatient peritoneal dialysis	971	1,231	64	17,092	5,672	17
Outpatient other dialysis	13	17	18	3	33	0
Outpatient ESA	4,535	5,735	5,907	3,463	4,051	135
Outpatient vitamin D hormones	1,048	1,331	1,430	33	203	9
Outpatient iron	567	719	763	127	514	10
Outpatient other injectables	221	208	214	108	314	272
Radiology	363	404	415	261	355	212
Pharmacy	94	109	110	76	258	41
Ambulance	68	80	81	50	274	24
Laboratory/pathology	420	324	324	297	595	773
Outpatient other	2,748	3,189	3,307	1,551	3,264	1,130
Skilled nursing facility	2,357	2,853	2,956	772	13,706	534
Home health agency	1,560	1,805	1,854	1,067	2,782	661
Hospice	230	278	278	184	1,746	54
Total physician/supplier	13,490	14,866	15,227	9,055	28,238	8,443
Transplant surgery	66	5	5	5	24	289
Inpatient surgery	441	476	474	443	1,591	314
Outpatient surgery	704	759	780	494	568	502
-E&M nephrology inpatient	424	471	472	362	2,111	249
-E&M nephrology outpatient	65	24	23	34	70	219
-E&M non-nephrology inpatient	1,549	1,795	1,805	1,224	8,722	650
-E&M non-nephrology outpatient	699	732	738	630	1,010	579
Dialysis capitation	1,712	2,172	2,207	1,753	1,300	24
Inpatient dialysis	239	299	293	324	1,350	19
Home dialysis	12	14	5	130	242	1
Vascular access	1,153	1,456	1,549	171	1,439	46
Peritoneal access	8	9	5	60	113	4
Physician/supplier ESA	32	9	8	25	90	114
Physician/supplier iron	0	0	0	1	2	1
Immunosuppressive drugs	684	9	8	7	249	3,157
Durable medical equipment	334	387	398	222	479	140
Physician/supplier radiology	453	495	503	371	869	300
Physician/supplier lab/pathology	1,196	1,392	1,398	1,279	1,950	478
Physician/supplier ambulance	2,358	2,954	3,130	432	4,361	173
Other physician/supplier	1,360	1,408	1,430	1,088	1,696	1,184