

Table of Contents

Section H: Mortality & Causes of Death

- H.1 Total Medicare ESRD Patient Deaths
by Age, Race, Ethnicity, Gender, & Primary Diagnosis
- H.2 Annual Death Rates: Medicare ESRD Patients
per 1,000 Patient Years at Risk, Period Prevalent Patients, 2000, Adjusted for Age on January 1, Gender, Race, & Primary Diagnosis
- H.3 Annual Death Rates: Medicare Dialysis Patients
per 1,000 Patient Years at Risk, Period Prevalent Patients, 2000, Adjusted for Age on January 1, Gender, Race, & Primary Diagnosis
- H.4 Annual Death Rates: Medicare Hemodialysis Patients
per 1,000 Patient Years at Risk, Period Prevalent Patients, 2000, Adjusted for Age on January 1, Gender, Race, & Primary Diagnosis
- H.5 Annual Death Rates: Medicare CAPD/CCPD Patients
per 1,000 Patient Years at Risk, Period Prevalent Patients, 2000, Adjusted for Age on January 1, Gender, Race, & Primary Diagnosis
- H.6 Annual Death Rates: Medicare Transplant Patients
per 1,000 Patient Years at Risk, Period Prevalent Patients, 2000, Adjusted for Age on January 1, Gender, Race, & Primary Diagnosis

Table H.1
Total Medicare ESRD Patient Deaths
by demographic characteristics & primary diagnosis

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-4	23	25	22	15	19	18	18	18	14	16
5-9	11	*	*	*	*	13	*	10	*	*
10-14	15	16	17	11	14	17	18	13	21	*
15-19	41	36	39	36	41	39	37	29	41	33
20-29	411	454	442	409	399	420	406	382	388	369
30-39	1,495	1,624	1,703	1,696	1,760	1,746	1,708	1,590	1,726	1,619
40-49	2,576	2,902	2,995	3,269	3,549	3,712	3,856	3,935	4,101	4,217
50-59	4,200	4,594	5,050	5,521	5,841	6,145	6,609	7,091	7,828	8,172
60-64	3,637	3,953	4,083	4,300	4,591	4,763	5,030	5,338	5,724	5,849
65-69	4,975	5,443	5,946	6,229	6,672	7,083	7,413	7,748	8,016	8,241
70-79	8,991	10,502	11,779	12,523	13,959	15,283	16,271	17,820	19,382	19,835
80+	3,639	4,247	4,958	5,651	6,360	7,145	8,079	9,117	10,281	11,149
0-19	90	86	87	68	82	87	80	70	85	65
20-44	3,103	3,418	3,484	3,549	3,713	3,732	3,716	3,633	3,763	3,721
45-64	9,216	10,109	10,789	11,646	12,427	13,054	13,893	14,703	16,004	16,505
65-74	9,908	11,329	12,418	13,238	14,343	15,251	15,955	16,987	17,837	18,201
75+	7,697	8,863	10,265	11,165	12,648	14,260	15,808	17,698	19,842	21,024
Male	15,914	17,899	19,442	20,873	22,698	24,448	25,795	27,815	30,110	31,313
Female	14,100	15,906	17,601	18,793	20,515	21,936	23,657	25,276	27,421	28,203
White	20,122	22,769	24,718	26,188	28,443	30,208	32,102	34,694	37,256	38,839
Black	8,926	9,896	11,091	11,963	12,998	13,879	14,727	15,591	17,095	17,408
Native American	337	387	461	515	556	674	701	699	790	844
Asian	566	677	696	904	1,030	1,304	1,414	1,485	1,658	1,683
Other/unknown	63	76	77	96	186	319	508	622	732	742
†Hispanic						2,566	3,446	4,172	4,815	5,149
†Non-Hispanic						43,818	46,006	48,919	52,716	54,367
Diabetes	10,453	12,250	13,708	14,724	16,590	18,685	20,565	23,022	25,740	26,495
Hypertension	8,928	10,042	11,191	11,897	12,803	13,083	13,974	14,717	15,823	16,437
Glomerulonephritis	3,225	3,486	3,599	3,753	4,068	4,290	4,449	4,581	4,778	4,954
Cystic kidney	742	783	887	847	974	1,003	1,041	1,056	1,115	1,133
Other urologic	514	616	660	668	730	817	819	876	969	1,048
Other cause	3,113	3,273	3,521	3,600	3,909	4,477	4,764	5,035	5,565	5,690
Unknown cause	1,420	1,665	1,708	1,563	1,742	1,742	1,871	2,009	2,044	2,197
Missing cause	1,619	1,690	1,769	2,614	2,397	2,287	1,969	1,795	1,497	1,562
All	30,014	33,805	37,043	39,666	43,213	46,384	49,452	53,091	57,531	59,516

Age is as of the date of death.

Medicare patients are selected based on payer status (on January 1 for prevalent patients or day 90 of ESRD for incident patients) during the year of death.

†CMS has only started collecting Hispanic ethnicity data as of April, 1995, so Hispanic data in years prior to 1995 has been left blank.

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

Table H.2
Annual Death Rates: Medicare ESRD Patients

per 1,000 patient years at risk, period prevalent patients, 2000, adjusted for age on January 1, gender, race, & primary diagnosis

DIABETES	Male					Female					All				
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All
0-19	48.0	56.1	41.9	37.6	52.4	55.4	65.0	42.2	37.7	60.7	52.1	61.1	42.1	37.7	57.0
20-29	64.8	71.6	56.2	51.3	66.7	74.2	82.0	55.3	50.3	76.5	69.5	77.9	55.5	50.6	72.1
30-39	87.0	99.6	74.1	70.4	89.0	87.1	103.7	73.5	66.5	90.5	87.1	101.6	73.8	68.4	89.6
40-49	127.4	123.1	107.7	99.9	125.1	132.8	132.4	101.4	93.4	130.7	129.5	127.5	104.9	97.2	127.4
50-59	188.2	158.0	154.9	154.6	176.2	214.3	167.0	144.5	150.0	189.9	198.8	162.6	149.7	152.7	182.3
60-64	261.5	195.0	212.1	202.0	234.9	270.0	194.1	190.7	188.8	231.5	265.5	194.5	200.7	195.5	233.2
65-69	328.6	234.1	254.4	241.5	293.2	311.3	235.1	232.6	217.4	274.3	319.8	234.7	240.3	228.9	282.8
70-79	426.8	310.1	359.7	341.6	392.3	408.6	315.8	303.0	299.6	366.6	417.4	313.9	322.3	317.3	377.6
80+	600.9	462.5	502.3	526.4	564.6	606.4	433.2	440.1	456.1	531.0	603.8	442.2	461.2	486.9	545.2
All	256.1	200.8	194.6	229.3	237.9	282.3	226.0	197.4	227.3	256.3	268.1	215.2	196.2	228.3	247.1
HYPERTENSION															
0-19	16.8	21.2	17.3	11.0	19.2	19.1	24.6	17.5	11.1	21.0	18.2	22.9	17.4	11.1	20.2
20-29	25.4	28.4	26.2	17.1	27.1	28.2	35.2	26.3	16.9	32.0	26.5	30.5	26.3	17.0	28.8
30-39	37.3	42.4	39.7	26.5	40.5	42.2	47.1	38.6	25.3	44.8	38.9	44.0	39.3	26.0	41.9
40-49	66.5	69.6	66.6	42.7	68.1	70.6	73.2	61.9	42.1	71.1	67.8	70.8	64.9	42.4	69.1
50-59	123.3	105.6	108.9	77.8	110.6	123.4	110.6	102.5	69.2	112.8	123.3	107.4	106.9	73.8	111.4
60-64	196.1	158.9	169.8	113.9	173.3	202.7	152.0	155.6	109.4	169.9	198.6	155.8	163.3	112.4	171.9
65-69	239.0	202.4	229.9	155.6	221.4	253.5	211.8	210.6	139.7	227.1	244.7	207.1	220.0	147.5	224.0
70-79	359.2	293.1	359.1	260.4	338.7	366.0	292.8	306.7	228.8	330.6	362.0	292.9	327.6	245.5	335.0
80+	520.9	444.8	589.1	435.3	503.8	526.0	455.8	497.5	356.9	496.8	523.1	451.6	528.8	396.4	500.4
All	281.6	136.7	151.9	170.5	207.0	308.1	186.9	185.3	161.0	239.2	291.9	157.9	166.6	166.2	220.2
GLOMERULONEPHRITIS															
0-19	11.0	15.7	12.9	7.4	12.3	11.8	17.5	12.4	7.2	13.3	11.4	16.6	12.6	7.3	12.8
20-29	17.7	23.2	20.2	11.6	19.4	18.4	24.7	18.7	10.9	20.3	18.0	23.8	19.4	11.3	19.8
30-39	25.7	33.5	31.3	18.6	27.9	28.1	33.7	28.6	17.0	29.4	26.6	33.6	29.9	17.9	28.5
40-49	49.1	59.4	51.9	31.9	51.5	46.6	56.5	47.0	27.3	47.8	48.2	58.3	50.0	29.4	50.1
50-59	83.1	88.2	91.8	55.0	83.1	79.5	87.7	82.3	47.3	79.2	81.8	88.0	87.8	51.3	81.7
60-64	124.6	126.8	136.8	88.2	123.5	125.7	126.9	121.1	77.2	123.1	125.0	126.9	130.7	83.5	123.3
65-69	177.2	166.8	188.0	123.9	173.5	166.2	170.0	162.0	102.9	163.7	173.0	168.2	175.1	113.6	169.5
70-79	265.5	239.0	310.8	202.3	259.9	293.7	227.5	259.1	159.6	272.2	275.6	233.1	283.3	182.3	264.7
80+	452.7	408.6	522.5	353.9	445.1	466.3	377.5	434.6	278.8	440.2	458.0	391.7	471.3	312.4	443.0
All	114.6	76.4	86.8	65.5	101.6	116.9	82.4	79.7	55.6	101.6	115.5	78.9	83.5	60.7	101.6
OTHER															
0-19	16.1	27.7	19.4	12.9	18.5	19.8	34.5	19.8	13.3	22.7	17.5	30.4	19.6	13.1	20.2
20-29	24.6	39.9	28.8	20.0	28.3	29.4	48.5	29.2	20.3	34.9	26.7	44.5	29.0	20.1	31.4
30-39	35.4	60.8	43.0	29.9	43.0	42.8	70.8	42.4	29.9	51.2	38.9	65.8	42.7	29.9	47.0
40-49	61.1	86.0	68.8	46.4	68.6	62.2	86.6	65.8	44.9	69.4	61.6	86.3	67.5	45.5	69.0
50-59	109.2	126.5	110.8	81.6	112.9	101.0	132.1	106.7	72.0	107.6	105.3	129.1	108.8	76.3	110.4
60-64	162.2	189.7	170.8	123.4	167.6	156.8	193.7	154.4	110.4	164.2	159.6	191.7	163.5	116.7	166.0
65-69	215.2	234.1	229.3	164.8	217.4	212.3	252.1	214.8	149.1	219.3	213.9	243.3	223.4	157.2	218.3
70-79	344.3	330.3	347.7	265.8	340.3	319.2	343.5	293.5	223.8	320.3	333.3	337.0	319.2	242.7	331.2
80+	536.6	492.8	546.6	405.7	527.5	500.5	537.5	480.4	381.3	503.7	521.3	515.3	513.8	394.9	517.1
All	164.6	139.3	121.5	109.0	156.4	153.2	151.5	115.6	92.4	150.0	159.4	145.2	118.8	100.1	153.5
ALL															
0-19	15.2	24.0	17.3	11.1	17.2	17.7	28.2	17.0	10.8	20.0	16.2	25.8	17.1	10.9	18.4
20-29	25.3	32.1	25.9	15.9	27.4	30.3	41.9	27.3	17.0	33.9	27.5	36.5	26.7	16.4	30.3
30-39	48.7	51.6	48.1	27.9	49.1	52.8	60.8	45.8	28.5	54.5	50.4	55.5	47.0	28.2	51.4
40-49	83.1	80.6	82.4	52.9	81.1	85.0	88.6	79.8	45.3	84.3	83.8	83.7	81.3	49.1	82.4
50-59	139.2	124.1	137.8	104.2	132.3	146.7	137.5	132.7	90.8	140.4	142.3	130.0	135.4	98.0	135.7
60-64	205.3	176.1	196.7	150.3	193.0	214.5	178.6	180.9	145.7	196.6	209.4	177.4	188.7	148.2	194.7
65-69	260.5	218.2	241.7	195.9	245.2	263.1	227.0	225.0	177.6	245.2	261.7	223.1	231.6	186.5	245.2
70-79	365.0	301.6	354.2	285.8	348.0	367.4	306.3	300.4	255.4	340.9	366.1	304.5	320.3	269.7	344.5
80+	531.6	455.8	533.1	449.0	515.4	534.6	453.1	459.4	384.7	503.4	532.9	454.1	486.7	415.8	509.5
All	209.8	146.6	160.7	151.8	186.6	223.4	185.1	170.9	142.6	204.9	215.6	165.2	165.9	147.3	194.8

Age is determined on January 1 of each calendar year.

U.S. only; patients of unknown age or gender, or of other or unknown race, are excluded so that rates can be calculated appropriately.

The 90 day rule has been applied.

Standard Errors

DIABETES	Male					Female					All				
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All
0-19	6.2	7.5	6.9	6.2	6.7	7.8	9.0	7.3	6.5	8.2	6.9	8.1	6.9	6.2	7.3
20-29	5.7	6.0	6.8	6.0	5.1	6.8	6.6	6.9	5.9	5.8	5.7	5.7	6.6	5.7	5.1
30-39	7.0	7.0	7.5	6.5	5.9	6.6	7.2	7.6	6.3	5.4	5.2	5.7	6.8	5.9	4.4
40-49	9.1	8.4	10.2	8.4	7.1	10.7	9.9	9.0	8.6	7.9	7.2	7.2	8.2	7.5	5.7
50-59	13.5	11.9	12.7	12.5	9.3	14.4	13.4	12.0	10.7	10.2	10.3	9.3	10.3	9.5	7.1
60-64	19.7	15.8	18.1	14.6	13.2	19.3	16.4	15.6	14.9	12.5	14.5	11.8	13.0	11.8	9.7
65-69	23.0	16.3	21.0	19.2	15.2	25.3	18.3	18.4	17.6	16.1	18.1	13.5	16.0	14.2	12.2
70-79	28.6	23.1	31.1	25.5	20.9	28.6	21.9	24.6	22.4	19.6	20.1	16.6	22.4	18.5	14.1
80+	50.7	34.0	47.8	41.8	37.5	47.1	32.9	37.6	33.2	31.6	38.9	26.5	36.1	29.1	27.3
All	9.7	8.0	12.2	11.4	6.9	11.5	9.8	11.4	11.4	8.2	7.5	6.6	9.7	9.1	5.2
HYPERTENSION															
0-19	2.5	3.1	3.4	2.1	2.7	3.0	3.7	3.5	2.1	3.1	2.7	3.3	3.4	2.1	2.9
20-29	2.3	2.6	4.3	2.4	2.2	2.6	2.9	4.4	2.3	2.4	2.2	2.4	4.2	2.3	2.1
30-39	3.1	3.6	5.6	3.0	3.0	3.3	3.7	5.6	2.8	2.9	2.7	3.0	5.3	2.7	2.4
40-49	4.8	5.1	8.2	4.2	4.0	5.7	5.3	8.0	4.0	4.2	4.1	3.9	7.5	3.7	3.1
50-59	8.7	7.9	12.3	6.4	6.2	8.4	8.7	11.6	6.5	6.5	6.6	5.8	11.0	5.7	4.7
60-64	14.0	10.1	18.1	9.1	8.7	13.1	11.2	16.7	8.3	8.7	10.6	8.1	15.8	7.8	6.9
65-69	18.6	13.2	23.9	13.3	11.7	19.4	14.1	20.7	11.9	11.6	14.4	10.2	20.0	10.5	8.4
70-79	27.4	20.6	36.8	20.9	20.8	28.7	22.0	32.5	17.8	18.6	20.7	14.9	30.1	16.1	14.1
80+	48.5	34.5	63.5	36.5	38.9	43.6	37.8	56.5	30.8	30.6	35.4	28.6	53.4	27.4	26.0
All	14.3	5.2	14.6	11.2	7.6	15.1	8.0	18.1	10.8	8.2	10.6	4.6	14.4	9.4	5.2
GLOMERULONEPHRITIS															
0-19	1.5	2.3	2.8	1.4	1.7	1.8	2.5	2.8	1.3	1.9	1.6	2.4	2.8	1.3	1.7
20-29	1.6	2.1	3.4	1.6	1.5	1.7	2.3	3.5	1.4	1.6	1.4	1.9	3.3	1.5	1.4
30-39	1.9	2.9	4.5	2.2	1.7	2.4	2.9	4.7	2.0	2.0	1.6	2.4	4.4	2.0	1.5
40-49	3.2	3.6	7.1	3.6	2.5	3.5	4.1	6.8	3.0	2.5	2.6	2.9	6.6	2.9	2.0
50-59	6.0	6.7	11.4	5.9	4.6	5.6	6.5	10.8	4.8	4.4	4.6	5.1	10.3	4.8	3.5
60-64	9.0	9.5	18.2	8.4	7.4	8.8	8.1	16.3	7.0	6.6	6.9	6.9	16.3	7.1	5.5
65-69	13.2	12.9	25.8	12.3	10.8	12.9	11.1	23.5	9.6	10.0	10.0	9.2	23.1	10.0	7.9
70-79	23.4	20.7	41.4	20.8	19.9	19.3	17.2	34.0	16.0	14.6	17.4	13.8	35.1	16.7	14.1
80+	37.6	34.1	76.7	38.0	33.8	34.3	28.9	61.2	29.6	28.7	28.7	24.8	63.6	30.4	25.3
All	5.2	3.5	10.8	6.0	3.8	4.8	3.6	10.4	4.9	3.3	4.0	2.7	9.9	5.0	2.7
OTHER															
0-19	2.2	3.7	3.6	2.2	2.3	2.5	4.5	3.8	2.2	2.7	2.2	3.8	3.6	2.1	2.4
20-29	2.0	3.5	4.5	2.6	2.1	2.6	4.1	4.8	2.5	2.6	1.9	3.4	4.4	2.5	2.1
30-39	2.8	4.5	6.0	3.3	2.6	3.1	4.7	6.1	3.2	2.6	2.3	3.7	5.8	3.0	2.1
40-49	4.3	6.4	8.9	4.4	3.7	5.0	7.3	8.8	4.3	4.2	3.4	5.2	8.3	3.9	3.1
50-59	7.5	9.4	12.9	7.2	5.9	7.8	10.5	13.4	7.0	6.7	5.4	7.2	12.1	6.2	4.5
60-64	11.8	13.0	19.9	10.4	9.4	11.9	14.2	18.5	9.4	9.5	9.1	10.5	17.9	8.8	7.4
65-69	14.9	18.5	26.2	14.1	12.5	14.6	18.6	24.8	13.1	12.1	10.8	14.0	23.9	12.1	8.9
70-79	23.7	27.1	40.7	23.9	20.0	24.8	26.9	37.5	22.1	19.9	18.7	21.4	36.0	19.5	15.4
80+	38.1	41.2	66.9	40.5	33.1	36.6	40.0	58.4	35.0	31.4	29.4	30.2	58.3	34.4	25.2
All	6.6	6.0	13.2	8.1	5.1	6.2	6.5	13.4	7.2	4.9	5.0	5.0	12.4	6.9	3.8
ALL															
0-19	2.0	3.1	3.0	1.8	2.1	2.2	3.6	3.1	1.7	2.4	2.0	3.2	2.9	1.7	2.2
20-29	1.7	2.2	3.3	1.8	1.6	2.2	2.7	3.6	1.8	2.1	1.7	2.2	3.2	1.7	1.7
30-39	2.7	2.6	4.5	2.4	2.1	2.7	2.7	4.7	2.4	2.1	2.1	2.1	4.1	2.2	1.7
40-49	3.8	3.5	6.5	3.5	2.8	4.7	4.1	6.4	3.1	3.3	3.2	3.0	5.6	2.9	2.4
50-59	6.7	6.0	9.5	6.3	4.8	7.1	7.1	9.9	5.3	5.3	5.3	4.7	8.0	4.6	3.8
60-64	10.1	8.8	14.2	7.9	7.3	10.6	9.6	13.3	9.1	7.5	7.9	6.9	10.5	6.6	6.0
65-69	11.3	10.0	17.1	11.2	8.4	13.6	11.0	16.0	11.3	9.4	9.7	8.0	13.4	8.9	7.3
70-79	15.1	13.7	25.6	14.9	12.0	16.0	14.1	19.9	14.0	11.7	11.4	9.9	17.9	11.4	8.8
80+	29.1	23.3	43.3	25.0	23.8	26.7	24.2	34.8	22.2	19.4	22.4	18.7	33.2	19.0	17.1
All	5.1	3.6	8.6	5.5	3.5	5.5	4.8	8.8	5.7	3.8	3.7	2.7	6.7	4.2	2.5

Table H.3
Annual Death Rates: Medicare Dialysis Patients

per 1,000 patient years at risk, period prevalent patients, 2000, adjusted for age on January 1, gender, race, & primary diagnosis

DIABETES	Male					Female					All				
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All
0-19	102.8	74.5	62.4	60.5	83.3	115.9	84.7	60.6	59.7	97.3	110.5	79.4	61.5	60.1	90.5
20-29	109.0	81.8	69.4	67.4	96.9	123.4	92.4	65.8	65.2	106.1	116.4	88.0	66.8	66.0	101.9
30-39	157.8	120.9	95.3	96.0	145.2	168.7	126.3	90.6	88.7	149.3	162.0	123.5	93.0	92.4	146.9
40-49	200.0	138.4	126.8	123.8	174.7	208.7	142.8	114.6	112.7	174.5	203.4	140.5	121.3	119.0	174.6
50-59	234.0	169.9	176.5	179.7	206.7	250.7	175.2	159.0	165.1	210.5	241.3	172.7	167.4	173.5	208.5
60-64	296.0	204.7	228.2	220.7	258.1	292.4	199.9	200.7	203.3	245.0	294.2	201.9	213.2	211.8	251.2
65-69	353.2	244.8	275.6	254.5	312.1	323.1	238.3	236.4	225.4	281.7	337.5	240.8	249.4	238.9	295.0
70-79	436.0	313.9	364.5	344.7	399.6	412.4	317.6	301.2	298.0	369.2	423.6	316.4	322.3	317.4	382.1
80+	599.6	467.2	496.7	517.0	564.0	605.1	434.6	426.4	446.6	530.0	602.4	444.6	450.3	477.4	544.4
All	320.8	216.3	216.8	252.3	282.3	332.3	235.8	209.2	240.9	285.4	326.3	227.7	212.5	246.4	283.9
HYPERTENSION															
0-19	36.0	28.0	26.8	18.3	29.9	40.7	32.1	26.6	18.4	33.4	38.6	30.3	26.8	18.4	31.9
20-29	42.7	31.7	33.9	23.2	33.9	47.4	39.0	33.2	22.9	40.4	44.4	34.0	33.4	23.1	36.1
30-39	65.4	50.1	53.8	37.4	52.7	69.5	55.0	51.2	35.8	57.3	66.8	51.7	53.1	36.8	54.3
40-49	98.4	79.8	83.4	56.0	83.1	105.6	82.7	76.6	55.2	86.2	100.7	80.8	81.0	55.7	84.1
50-59	167.0	115.9	132.4	93.1	129.8	164.7	120.7	120.0	84.6	131.4	166.2	117.7	128.5	89.3	130.4
60-64	240.6	172.4	194.6	131.0	198.3	246.0	160.6	175.5	127.1	189.8	242.8	167.0	185.6	129.7	194.7
65-69	269.1	215.5	257.6	173.6	243.3	289.0	223.2	233.0	152.7	248.2	277.1	219.5	245.1	162.5	245.5
70-79	374.2	298.9	378.5	266.4	350.6	376.5	297.4	315.8	234.4	338.2	375.1	298.0	340.6	251.2	344.9
80+	522.6	449.7	616.8	440.5	506.4	526.3	458.0	508.1	357.9	497.7	524.3	454.9	545.2	399.4	502.2
All	332.5	153.6	190.6	207.1	239.8	352.5	203.1	220.9	190.7	267.2	340.5	175.3	204.4	199.5	251.4
GLOMERULONEPHRITIS															
0-19	28.3	23.6	24.4	15.1	25.5	30.6	26.1	22.6	14.3	27.6	29.4	24.9	23.7	14.7	26.6
20-29	36.0	29.3	31.5	19.0	31.8	36.7	30.9	27.9	17.7	32.5	36.3	30.0	29.6	18.4	32.1
30-39	50.4	44.5	50.4	31.4	46.7	54.6	43.1	44.2	28.0	47.1	52.0	43.9	46.9	30.0	46.9
40-49	88.3	73.5	75.8	47.9	79.5	80.0	70.3	66.9	41.8	72.1	85.2	72.4	72.6	44.5	76.7
50-59	129.6	106.4	126.8	78.8	118.4	121.4	103.7	108.7	66.6	111.3	126.4	105.4	119.0	73.2	115.6
60-64	175.7	144.0	178.6	117.8	164.5	174.0	138.2	150.8	100.5	157.5	175.1	141.3	164.9	110.5	161.7
65-69	241.1	187.0	235.6	152.8	225.2	213.9	186.6	196.1	125.9	201.4	229.9	186.8	218.8	138.7	214.9
70-79	292.7	251.6	355.6	226.4	284.9	325.1	232.8	285.3	176.9	296.0	304.6	241.7	315.9	202.7	289.3
80+	460.6	421.9	588.3	383.7	454.5	473.2	386.1	473.7	298.3	448.3	465.6	402.5	521.6	336.4	451.9
All	185.0	95.6	126.4	101.6	150.6	186.3	101.2	113.4	86.9	148.2	185.5	97.9	120.2	94.5	149.6
OTHER															
0-19	44.0	43.2	37.6	26.7	43.1	53.1	52.9	38.0	27.8	51.8	48.0	47.6	37.7	27.3	47.0
20-29	50.9	50.9	45.6	32.9	50.1	60.2	61.5	45.5	33.9	58.9	55.1	56.5	45.5	33.5	54.5
30-39	70.7	77.1	70.1	50.5	72.9	83.7	91.0	68.4	51.1	85.5	76.9	83.9	69.2	50.8	79.0
40-49	108.1	102.2	102.1	70.9	104.2	110.4	106.8	96.9	69.8	107.0	109.1	104.2	100.1	70.3	105.5
50-59	174.2	145.9	152.1	114.0	162.1	160.9	154.8	145.9	103.0	156.6	167.7	149.9	149.1	108.2	159.5
60-64	233.8	220.8	222.4	160.3	227.9	220.7	220.6	198.9	142.3	217.8	227.3	220.7	212.7	150.2	222.9
65-69	286.5	257.2	288.4	203.7	277.0	287.2	280.1	263.7	188.2	281.7	286.8	269.2	275.9	196.1	279.3
70-79	380.6	342.3	389.4	290.6	372.0	355.8	354.4	325.4	250.6	351.6	369.8	348.4	354.1	269.3	362.7
80+	545.2	497.9	602.3	426.6	536.1	508.3	543.8	525.2	407.4	512.0	529.6	521.1	564.0	418.0	525.6
All	259.3	165.0	175.1	159.5	226.6	239.3	182.5	169.9	136.8	216.4	250.1	173.4	172.6	147.4	221.8
ALL															
0-19	40.1	36.4	32.9	21.2	37.9	46.6	41.3	30.3	22.3	43.3	43.1	38.8	32.2	21.8	40.4
20-29	50.5	39.4	39.3	25.5	44.0	60.0	51.1	39.8	28.1	53.6	54.7	44.7	39.6	26.8	48.3
30-39	93.5	64.0	70.9	46.1	77.1	100.7	75.1	66.4	46.1	85.2	96.5	68.6	68.7	46.1	80.5
40-49	139.1	94.1	107.8	77.6	113.6	141.9	103.0	101.5	67.5	118.2	140.2	97.6	105.2	72.6	115.4
50-59	196.6	138.4	165.1	136.1	167.9	201.7	150.7	152.4	120.3	174.0	198.8	143.9	158.9	129.0	170.6
60-64	259.9	191.0	221.2	179.4	229.4	260.8	188.4	195.8	172.2	223.9	260.3	189.7	207.8	176.0	226.7
65-69	308.4	232.3	270.6	219.5	279.5	301.6	235.9	235.9	195.3	269.1	305.1	234.3	248.8	206.7	274.2
70-79	386.4	308.1	369.2	296.9	365.1	384.2	310.2	304.5	263.1	352.1	385.4	309.4	327.8	278.9	358.5
80+	535.2	461.2	553.9	455.0	519.4	537.0	455.7	462.9	386.9	505.7	536.0	457.8	496.6	419.7	512.7
All	289.5	167.3	196.9	196.6	239.6	296.7	204.5	197.4	182.7	251.9	292.7	185.8	197.2	189.6	245.4

Age is determined on January 1 of each calendar year.

U.S. only; patients of unknown age or gender, or of other or unknown race, are excluded so that rates can be calculated appropriately.

The 90 day rule has been applied.

Standard Errors

DIABETES	Male					Female					All				
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All
0-19	15.2	11.5	12.8	11.4	12.3	17.5	13.1	12.4	11.1	14.4	16.1	11.9	12.2	10.9	13.1
20-29	10.3	7.5	9.3	8.8	8.1	11.1	8.4	8.6	8.0	8.2	9.5	7.3	8.4	7.9	7.4
30-39	12.2	8.3	10.7	10.5	9.4	12.1	8.9	9.6	9.4	8.0	9.5	6.9	9.4	9.1	7.0
40-49	15.4	11.1	12.4	12.5	10.5	15.6	12.0	10.9	10.4	9.8	11.6	8.7	10.2	10.2	7.9
50-59	18.8	13.9	16.1	15.1	12.2	21.1	14.7	13.2	12.6	13.1	14.5	10.0	11.8	11.4	9.1
60-64	25.3	16.6	18.2	18.7	16.5	25.6	17.6	17.1	16.2	15.4	18.8	12.6	13.4	13.9	11.8
65-69	27.7	18.3	23.3	23.5	18.3	29.8	20.1	20.4	19.3	18.2	21.7	15.5	17.3	16.5	14.3
70-79	31.6	24.0	34.0	27.5	23.1	29.9	23.5	24.8	23.2	20.1	21.8	17.8	23.3	19.0	15.2
80+	51.2	38.7	51.8	42.6	39.6	45.1	35.7	37.6	32.8	31.4	37.8	29.2	37.0	29.5	27.5
All	13.6	9.0	14.2	14.8	9.2	14.8	11.1	12.1	12.7	9.6	10.4	7.5	10.5	11.1	6.6

HYPERTENSION																
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	
0-19	5.9	4.7	6.1	4.1	4.8	6.8	5.2	6.2	4.1	5.3	6.2	4.8	6.1	4.1	5.0	
20-29	4.1	3.6	5.3	3.4	3.4	4.9	3.4	5.6	3.4	3.4	4.0	3.2	5.2	3.3	3.1	
30-39	5.3	4.6	7.0	4.5	4.1	6.2	5.2	7.3	4.6	4.6	4.7	3.8	6.7	4.3	3.4	
40-49	7.4	6.3	9.3	5.5	5.2	9.1	6.3	9.6	5.8	5.4	6.2	4.7	8.6	5.1	4.0	
50-59	11.6	9.3	13.5	8.9	7.8	11.8	10.1	13.7	8.0	8.1	8.6	7.1	12.3	7.7	5.9	
60-64	17.3	12.8	19.6	11.8	10.4	17.1	12.5	19.2	10.1	10.5	13.1	9.8	17.4	10.2	8.1	
65-69	22.5	16.4	25.1	14.7	14.2	23.5	15.9	24.5	13.9	13.9	17.4	11.8	21.7	12.1	9.9	
70-79	30.6	23.1	40.0	21.3	23.1	30.5	23.2	36.7	21.1	19.8	22.4	16.2	34.0	17.5	15.3	
80+	49.7	37.8	71.7	33.8	40.1	45.0	40.3	67.0	35.6	31.9	36.4	30.4	62.5	28.8	26.9	
All	18.1	6.3	17.3	12.8	9.4	17.7	9.4	23.4	14.2	9.5	13.0	5.6	17.9	11.4	6.4	

GLOMERULONEPHRITIS																
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	
0-19	4.4	3.8	6.3	3.0	3.9	5.0	4.2	5.9	2.8	4.3	4.5	3.9	6.0	2.8	4.0	
20-29	3.3	2.8	5.9	2.6	2.5	3.5	3.2	5.6	2.3	2.7	3.0	2.6	5.5	2.3	2.3	
30-39	4.5	3.8	8.6	3.6	3.3	5.0	4.3	7.8	3.2	3.6	3.7	3.2	7.8	3.2	2.7	
40-49	6.0	5.3	12.1	4.9	4.2	6.4	5.5	10.9	4.1	4.2	4.9	4.4	11.2	4.0	3.5	
50-59	9.4	8.4	17.8	7.6	6.7	8.8	8.2	15.6	6.2	6.2	7.0	6.8	15.8	6.1	5.1	
60-64	13.8	11.4	25.6	10.7	10.4	13.0	10.5	21.4	8.9	8.9	10.4	8.7	22.1	8.8	7.7	
65-69	17.2	13.9	35.8	13.5	13.6	17.7	13.1	28.6	11.9	12.6	13.1	10.8	31.2	11.3	10.1	
70-79	27.9	22.1	53.4	23.1	23.8	21.0	20.2	41.6	17.7	15.8	20.4	15.3	44.0	17.8	16.5	
80+	43.1	37.3	93.0	40.0	38.4	35.9	35.2	71.6	33.8	29.8	31.9	28.7	76.5	33.1	27.7	
All	9.5	4.6	17.7	8.4	6.2	7.7	5.2	15.8	7.4	4.8	7.0	3.8	15.9	7.1	4.4	

OTHER																
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	
0-19	6.3	6.4	8.5	4.8	5.9	7.0	7.1	8.5	4.9	6.5	6.2	6.4	8.3	4.7	5.9	
20-29	4.7	4.8	7.6	4.2	4.0	5.4	5.5	7.8	4.3	4.4	4.2	4.4	7.3	4.0	3.6	
30-39	6.0	6.4	10.3	5.5	4.7	6.7	7.1	10.1	5.8	5.2	5.0	5.3	9.6	5.2	4.0	
40-49	8.6	8.3	13.2	6.9	6.0	9.6	9.6	13.1	7.0	6.7	6.7	6.7	12.2	6.1	4.9	
50-59	12.7	11.8	17.5	10.4	8.8	12.7	13.1	18.2	9.5	10.1	9.1	9.3	16.3	8.6	6.9	
60-64	17.1	15.4	26.0	14.1	12.7	18.0	17.4	24.4	13.5	13.3	13.8	12.4	23.2	12.2	10.3	
65-69	20.6	20.9	31.3	17.3	16.3	20.4	20.1	28.9	15.4	15.8	15.1	15.8	27.3	14.3	11.6	
70-79	28.9	28.5	46.4	26.3	23.9	28.9	28.9	42.0	24.4	23.0	22.4	21.8	39.6	21.4	18.4	
80+	44.4	45.5	77.7	41.5	38.2	40.7	43.2	67.8	35.9	34.6	32.7	32.3	67.2	34.9	27.8	
All	11.8	7.6	18.7	11.7	8.2	10.5	8.1	19.1	10.3	7.6	8.8	6.2	17.2	9.7	6.0	

ALL																
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	
0-19	5.6	5.2	7.1	3.8	5.1	6.2	5.5	6.5	3.9	5.5	5.6	5.2	6.8	3.7	5.1	
20-29	3.6	3.0	5.4	2.9	2.8	4.4	3.6	5.4	3.2	3.4	3.5	2.9	5.1	2.8	2.8	
30-39	5.4	3.5	7.3	4.0	3.5	5.1	3.8	7.1	4.2	3.3	4.3	2.9	6.7	3.7	2.8	
40-49	6.7	4.5	8.9	5.8	4.1	7.3	5.2	8.7	4.7	4.4	5.2	3.7	7.7	4.5	3.3	
50-59	10.7	7.1	12.8	9.0	6.8	12.1	8.2	11.3	7.3	7.6	8.5	5.4	9.6	6.6	5.4	
60-64	14.4	10.1	15.1	11.4	9.6	16.0	11.2	14.7	11.2	10.0	11.6	8.2	11.2	9.0	7.8	
65-69	15.0	11.9	18.9	14.6	10.7	17.9	12.6	18.0	12.7	11.5	12.5	9.6	14.6	10.7	8.9	
70-79	17.3	14.7	28.1	15.9	13.8	17.4	15.1	21.0	14.2	12.6	12.9	10.6	19.5	11.8	9.8	
80+	30.2	25.0	47.0	24.3	24.9	27.4	25.7	37.5	24.5	19.9	22.9	20.0	35.6	20.6	17.5	
All	7.6	4.3	10.6	7.7	4.8	8.0	6.0	9.9	7.4	4.9	5.5	3.5	7.6	5.8	3.3	

Table H.4
Annual Death Rates: Medicare Hemodialysis Patients

per 1,000 patient years at risk, period prevalent patients, 2000, adjusted for age on January 1, gender, race, & primary diagnosis

DIABETES	Male					Female					All				
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All
0-19	109.5	74.4	67.2	64.6	75.1	122.7	84.4	64.6	63.1	105.7	122.2	77.6	65.9	63.8	90.6
20-29	113.1	78.7	72.7	70.2	97.0	131.2	90.9	68.0	66.7	106.5	121.5	85.7	69.2	68.0	102.0
30-39	162.0	122.8	99.6	99.5	147.8	184.7	120.3	92.3	91.1	152.8	170.0	121.6	96.1	95.4	149.8
40-49	204.0	134.2	130.4	126.4	174.1	208.8	137.7	115.7	113.5	169.9	205.8	135.9	124.0	121.0	172.3
50-59	229.0	164.1	177.5	181.8	200.7	239.4	172.4	151.8	164.0	202.4	233.5	168.5	164.2	174.1	201.5
60-64	285.0	200.2	219.6	217.2	248.4	285.8	193.6	196.1	205.4	237.6	285.4	196.3	206.8	211.1	242.6
65-69	341.4	240.7	271.3	248.6	301.8	312.8	236.7	231.8	214.5	274.5	326.3	238.2	244.7	230.5	286.3
70-79	426.0	310.9	356.4	345.8	390.7	401.2	312.9	291.7	283.5	359.5	412.8	312.2	312.6	308.7	372.6
80+	597.7	461.3	485.1	513.9	559.6	592.5	433.3	412.6	426.8	520.6	595.0	441.9	437.6	465.6	537.0
All	319.2	213.6	216.0	253.9	278.8	329.5	233.9	206.2	234.7	281.5	324.2	225.5	210.4	243.9	280.2
HYPERTENSION															
0-19	39.3	28.7	30.9	20.0	29.8	44.7	33.1	30.5	20.1	35.3	43.6	31.1	30.9	20.1	33.1
20-29	45.4	32.0	37.9	24.7	34.5	50.5	39.2	37.0	24.3	41.3	47.1	34.2	37.3	24.6	36.6
30-39	67.6	51.3	59.6	39.4	54.0	74.4	55.4	56.7	37.6	58.4	69.9	52.7	59.1	38.7	55.5
40-49	101.6	80.3	90.3	57.9	84.0	112.2	82.3	83.4	56.5	87.1	105.0	80.9	88.1	57.3	85.0
50-59	168.3	115.1	138.6	93.9	128.8	162.6	119.0	126.3	85.5	129.4	166.2	116.5	134.7	90.3	129.0
60-64	237.5	168.3	202.5	131.2	193.6	242.7	158.3	179.6	125.9	185.5	239.5	163.8	190.6	129.5	190.2
65-69	265.8	216.1	269.7	171.1	240.8	287.1	218.2	240.2	154.1	243.8	274.3	217.2	252.8	162.4	242.2
70-79	370.7	299.3	386.1	260.4	347.4	372.6	294.4	321.1	233.1	333.7	371.5	296.5	346.7	247.3	341.0
80+	519.8	449.5	625.7	424.4	503.2	524.0	457.4	513.2	355.3	495.5	521.7	454.4	551.6	389.9	499.4
All	335.3	155.1	201.4	208.2	239.9	356.7	206.1	238.1	199.1	269.9	343.9	177.3	218.4	204.1	252.5
GLOMERULONEPHRITIS															
0-19	31.6	24.3	26.7	16.8	27.2	33.4	26.4	24.7	15.7	28.5	32.4	25.4	26.1	16.2	27.8
20-29	38.3	29.4	33.2	20.5	32.9	38.9	30.1	29.7	19.1	33.1	38.5	29.7	31.6	19.9	32.9
30-39	53.0	44.0	53.2	33.5	47.7	59.0	44.3	46.9	30.0	49.4	55.1	44.1	50.2	32.1	48.4
40-49	90.7	74.6	78.3	50.3	81.0	83.7	71.4	69.4	43.7	74.8	88.3	73.5	75.8	47.0	78.8
50-59	131.6	104.6	128.0	80.4	118.4	122.5	102.4	107.3	68.4	111.3	128.1	103.8	119.1	75.1	115.7
60-64	176.2	140.2	178.2	119.2	162.9	171.4	133.9	147.2	101.5	153.8	174.4	137.4	160.3	111.8	159.3
65-69	243.3	180.0	230.6	155.5	224.0	213.1	185.0	190.9	124.5	199.6	230.9	182.3	213.1	138.9	213.5
70-79	292.0	243.9	345.4	225.4	282.7	321.1	233.3	276.0	177.8	292.1	302.7	238.3	306.4	202.7	286.5
80+	457.5	421.6	568.4	379.9	451.2	466.4	386.0	453.0	300.0	442.7	461.0	402.1	503.2	337.0	447.6
All	191.3	95.9	129.7	108.6	153.2	198.6	105.9	127.6	95.9	157.0	194.0	99.9	128.8	102.7	154.7
OTHER															
0-19	48.4	44.1	42.1	29.1	46.2	58.6	53.5	42.6	29.7	55.4	52.8	48.3	42.1	29.5	50.2
20-29	53.5	51.9	49.4	34.9	52.1	63.6	63.1	49.5	36.3	61.7	57.9	57.6	49.4	35.7	56.7
30-39	71.1	76.4	75.5	53.1	73.0	89.5	92.8	74.3	53.6	89.6	79.4	84.1	74.9	53.4	80.7
40-49	111.2	103.6	108.0	73.2	106.5	113.1	106.9	103.1	72.5	108.7	112.0	105.0	106.4	72.8	107.4
50-59	178.4	144.6	155.1	116.5	163.7	162.5	154.8	149.4	103.2	157.4	170.9	149.1	152.2	109.3	160.8
60-64	232.8	219.0	225.9	161.7	226.7	227.3	219.8	200.2	141.7	221.8	230.2	219.4	215.3	150.9	224.3
65-69	286.2	256.0	289.0	201.3	276.0	288.1	279.2	264.5	187.8	281.8	287.1	268.1	277.3	194.6	278.8
70-79	380.5	340.1	387.5	283.4	371.1	353.2	355.5	328.1	250.9	350.1	368.4	347.9	356.9	266.0	361.5
80+	542.6	493.5	605.6	421.9	533.0	500.5	545.1	523.1	401.1	505.9	524.7	519.5	562.4	412.4	521.1
All	267.8	167.5	184.5	165.9	232.1	251.2	190.0	181.0	147.8	226.4	260.4	178.1	182.9	156.5	229.5
ALL															
0-19	43.8	36.9	37.5	22.4	40.0	52.1	41.4	33.2	22.4	45.6	47.5	39.0	36.7	22.4	42.6
20-29	53.2	39.6	41.5	27.5	45.1	62.9	51.6	43.4	30.1	55.1	57.2	44.8	42.6	28.7	49.4
30-39	95.0	64.2	74.8	49.4	77.3	107.8	75.4	72.1	49.8	87.7	99.9	68.7	73.6	49.6	81.4
40-49	141.9	94.1	112.3	80.6	113.9	144.5	102.4	105.7	71.5	118.5	142.9	97.2	109.8	76.4	115.7
50-59	196.2	135.7	167.3	139.9	165.3	198.1	149.2	147.5	123.4	170.7	197.0	141.7	157.5	132.4	167.7
60-64	254.1	186.8	216.5	178.2	223.2	259.2	184.2	192.0	174.6	219.8	256.4	185.4	203.4	176.5	221.5
65-69	302.9	230.0	269.0	215.8	274.0	296.4	233.5	232.3	189.3	264.3	299.8	232.0	245.5	202.0	268.9
70-79	382.4	306.3	364.6	294.3	360.7	377.7	306.8	297.9	256.0	345.8	380.2	306.6	321.6	273.6	353.2
80+	532.8	458.8	548.1	445.7	516.2	530.9	455.0	455.4	378.7	500.6	531.9	456.4	489.6	411.1	508.5
All	293.4	167.9	200.0	201.5	240.5	302.9	207.6	200.8	188.8	255.5	297.6	187.5	200.4	195.2	247.5

Age is determined on January 1 of each calendar year.

U.S. only; patients of unknown age or gender, or of other or unknown race, are excluded so that rates can be calculated appropriately.

The 90 day rule has been applied.

Standard Errors

DIABETES	Male					Female					All				
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All
0-19	20.2	14.5	15.7	14.8	14.6	23.6	17.0	15.5	15.1	20.3	23.4	15.1	15.3	14.6	17.1
20-29	12.2	8.0	10.1	9.7	9.2	12.5	8.9	9.9	8.9	9.0	10.9	7.7	9.5	8.7	8.2
30-39	14.1	8.7	10.6	10.6	10.4	12.6	9.3	10.7	9.8	8.4	10.9	7.1	9.7	9.3	7.6
40-49	15.4	11.4	14.0	12.5	10.4	17.5	12.3	12.3	11.1	10.6	11.7	9.2	11.5	10.3	8.0
50-59	20.4	13.4	15.9	16.4	12.5	21.8	15.2	13.7	15.1	13.4	15.9	10.4	11.7	12.7	9.7
60-64	25.4	17.7	20.3	20.7	16.3	25.4	19.0	16.7	14.6	15.6	19.1	13.7	14.6	13.8	12.0
65-69	28.8	19.0	24.6	22.1	18.5	29.5	20.7	22.8	20.7	18.1	21.8	15.5	19.2	16.5	14.2
70-79	32.1	26.3	33.4	30.3	23.4	32.0	23.9	27.0	25.2	21.6	22.4	18.3	24.5	21.4	15.8
80+	52.2	39.6	55.4	44.3	39.1	46.1	35.2	43.2	35.1	31.5	38.5	27.9	42.0	31.1	27.3
All	14.4	9.4	14.6	15.2	9.6	15.6	11.2	13.4	14.1	10.2	10.8	7.6	11.5	11.7	7.0
HYPERTENSION															
0-19	7.7	5.7	8.1	5.0	5.8	9.1	6.9	8.3	5.3	7.2	8.7	6.2	8.1	5.3	6.5
20-29	4.9	3.6	6.4	4.0	3.6	5.6	3.8	6.8	3.9	3.8	4.7	3.3	6.3	3.8	3.3
30-39	6.3	4.9	8.8	5.2	4.5	7.2	5.1	9.3	5.0	4.7	5.5	3.9	8.6	4.8	3.7
40-49	9.0	6.3	11.7	6.6	5.4	9.0	6.7	11.4	6.1	5.8	7.2	4.8	10.8	5.8	4.2
50-59	12.7	9.5	16.5	9.0	8.2	12.3	10.4	15.4	8.2	8.4	9.4	7.1	15.0	7.6	6.0
60-64	18.7	12.7	23.0	12.8	10.8	18.6	12.3	21.3	11.0	10.6	14.2	9.6	19.9	10.9	8.4
65-69	23.8	16.5	29.8	15.1	14.5	24.8	16.4	26.7	13.8	13.8	18.1	12.3	24.9	11.5	9.9
70-79	31.2	24.7	44.6	22.9	23.2	33.6	24.5	36.2	18.2	21.0	24.1	17.1	35.1	16.5	15.9
80+	52.0	40.6	75.4	40.9	41.8	46.4	44.1	64.4	38.6	32.8	38.2	33.0	61.7	34.3	27.8
All	18.9	6.6	20.8	15.1	9.7	19.4	10.0	25.0	15.0	10.0	14.2	5.8	20.3	12.8	6.7
GLOMERULONEPHRITIS															
0-19	6.2	4.9	7.6	4.2	5.3	6.7	5.6	6.9	4.0	5.7	6.3	5.1	7.3	4.0	5.4
20-29	3.9	3.0	6.6	3.3	2.9	4.5	3.2	6.1	2.8	3.2	3.7	2.7	6.2	2.9	2.7
30-39	4.8	4.0	9.1	4.4	3.3	5.1	4.1	8.3	3.8	3.5	4.0	3.3	8.3	3.9	2.8
40-49	7.2	5.3	13.0	6.2	4.5	7.0	5.6	10.9	4.9	4.3	5.6	4.4	11.9	5.0	3.5
50-59	10.4	8.8	18.4	8.7	7.0	9.6	8.3	15.5	7.1	6.8	7.9	6.7	16.2	7.1	5.3
60-64	14.7	12.1	26.2	11.8	10.9	13.5	10.8	21.3	9.3	9.2	11.0	9.2	22.1	9.7	8.1
65-69	19.1	14.1	36.4	16.5	14.8	19.2	12.5	29.3	13.5	13.6	14.1	10.6	31.6	13.3	10.8
70-79	29.3	23.3	54.1	24.9	24.3	22.2	19.9	43.2	19.6	16.6	21.6	16.4	45.4	19.5	17.0
80+	44.9	40.3	92.1	44.8	39.9	40.9	33.7	72.0	36.5	33.9	33.9	29.5	76.9	36.0	29.4
All	10.6	4.7	18.9	10.4	6.7	9.6	5.2	18.3	9.2	6.0	8.2	3.9	17.6	8.8	4.9
OTHER															
0-19	8.8	8.6	10.9	6.9	8.4	10.4	10.4	11.2	7.2	9.9	9.3	9.2	10.9	7.0	8.9
20-29	5.3	5.1	8.7	5.1	4.5	6.5	5.5	9.1	5.2	5.0	5.0	4.6	8.6	4.9	4.1
30-39	7.2	6.3	11.8	6.9	5.2	8.1	7.9	12.2	6.8	6.1	6.0	5.5	11.4	6.4	4.5
40-49	9.1	8.8	16.0	8.0	6.6	10.3	10.2	15.2	8.4	7.4	6.9	7.0	14.8	7.5	5.2
50-59	13.3	11.7	19.7	11.8	9.0	13.4	13.4	20.1	12.2	10.1	9.7	9.1	18.5	10.6	7.1
60-64	18.8	17.2	26.7	15.5	13.9	20.0	17.9	25.1	14.5	14.1	15.6	13.2	24.2	13.1	11.4
65-69	20.8	20.9	33.6	18.1	16.2	23.6	22.6	31.1	16.6	18.2	16.5	16.5	29.9	14.7	12.6
70-79	29.1	31.5	51.7	25.6	24.4	31.1	31.5	43.5	26.4	25.0	22.9	24.2	42.8	22.1	19.0
80+	44.9	46.9	82.7	45.3	38.9	44.4	47.0	72.1	38.0	37.8	33.7	35.0	71.0	36.7	29.0
All	12.5	7.9	21.7	12.9	8.9	12.4	9.5	21.6	12.5	8.8	9.7	6.9	20.0	11.1	6.8
ALL															
0-19	7.9	7.0	9.3	5.2	7.2	9.3	7.9	8.2	5.3	8.2	8.3	7.3	9.0	5.1	7.6
20-29	4.3	3.1	6.1	3.6	3.3	5.2	3.7	6.3	3.8	3.7	4.2	3.0	5.8	3.4	3.2
30-39	6.0	3.4	7.7	4.8	3.7	5.9	3.9	8.2	4.8	3.5	5.0	2.8	7.3	4.4	3.0
40-49	7.0	4.6	10.2	6.4	4.2	8.5	5.7	10.0	5.6	5.0	5.4	3.9	8.9	5.2	3.5
50-59	11.6	6.9	13.0	9.9	7.0	12.8	8.4	11.8	8.9	7.7	9.3	5.5	9.8	7.6	5.7
60-64	14.9	11.0	16.8	12.6	10.0	16.4	11.9	14.2	10.4	10.2	12.2	8.7	12.1	8.9	8.1
65-69	16.0	12.0	20.5	13.9	11.0	18.7	13.0	19.9	13.2	11.9	13.1	9.6	16.3	10.3	9.2
70-79	17.6	16.3	27.8	17.3	13.9	18.6	15.7	22.6	15.8	13.5	13.7	11.4	20.3	12.9	10.4
80+	30.9	26.3	49.5	27.8	25.3	28.3	27.9	39.9	25.7	20.3	23.6	20.9	38.5	22.5	17.7
All	8.4	4.6	11.4	8.7	5.2	8.6	6.2	11.0	8.5	5.3	6.2	3.6	8.6	6.4	3.7

Table H.5
Annual Death Rates: Medicare CAPD/CCPD Patients

per 1,000 patient years at risk, period prevalent patients, 2000, adjusted for age on January 1, gender, race, & primary diagnosis

DIABETES	Male					Female					All				
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All
0-19	112.1	95.1	45.6	49.6	112.0	117.7	97.9	47.7	48.5	99.7	113.1	97.9	46.7	49.1	103.3
20-29	107.8	92.1	49.4	51.8	101.9	112.9	94.4	52.1	51.1	106.3	111.1	93.6	50.9	51.3	104.7
30-39	148.2	118.5	74.1	74.9	140.7	149.1	129.4	79.0	73.8	142.7	148.6	124.3	76.6	74.3	141.7
40-49	186.3	160.1	109.0	106.2	178.3	210.1	170.5	116.3	105.5	194.2	196.5	165.5	113.7	105.8	185.6
50-59	276.8	234.7	180.1	167.5	260.5	317.2	228.1	198.2	167.8	278.9	294.2	230.9	189.9	167.6	269.2
60-64	375.7	288.9	273.1	242.5	349.9	376.4	309.5	286.3	234.7	349.0	376.0	300.8	280.5	239.2	349.5
65-69	443.0	322.5	337.9	294.6	414.3	448.5	323.6	360.9	296.4	402.0	445.5	323.2	351.2	295.7	408.2
70-79	537.9	404.5	479.3	386.7	514.7	582.2	433.8	515.8	416.1	540.0	557.1	423.2	496.8	399.7	526.6
80+	729.5	569.7	752.7	600.9	716.2	854.5	603.4	821.3	617.3	776.7	779.9	595.7	821.3	613.1	745.1
All	337.2	248.8	228.3	238.5	315.7	355.8	269.3	238.6	259.5	325.6	345.4	260.8	234.0	248.9	320.4
HYPERTENSION															
0-19	36.7	34.5	13.5	15.7	34.8	38.6	35.7	14.2	15.4	33.2	37.4	35.2	13.9	15.5	34.0
20-29	39.9	36.8	16.5	18.4	36.2	42.2	38.7	17.4	18.2	38.2	41.1	37.8	17.2	18.3	37.2
30-39	60.6	54.0	27.8	30.0	54.9	63.3	57.3	29.5	29.8	57.3	61.8	55.5	28.8	29.8	56.0
40-49	88.7	78.8	46.4	47.9	80.3	93.6	84.0	49.2	47.9	83.5	90.5	81.2	48.1	47.9	81.7
50-59	151.8	131.8	87.2	86.4	138.3	165.7	138.8	92.9	86.4	144.3	157.1	135.4	89.2	86.4	141.1
60-64	231.9	201.4	143.9	136.7	216.9	247.3	201.9	155.7	138.5	222.9	238.8	201.7	145.5	137.5	219.9
65-69	283.1	235.3	202.5	187.8	268.9	303.7	267.5	219.9	185.8	282.8	291.6	253.2	204.9	186.3	275.4
70-79	402.0	330.6	325.1	292.7	387.5	429.2	374.2	352.3	289.9	412.5	412.6	352.0	340.5	291.6	397.6
80+	596.7	526.3	575.0	497.0	586.9	656.2	565.7	628.3	493.3	634.9	619.8	548.0	601.6	495.3	606.4
All	304.1	136.6	122.7	178.8	237.5	320.9	157.5	105.1	160.6	237.9	310.8	147.0	114.6	169.5	237.7
GLOMERULONEPHRITIS															
0-19	30.7	31.4	19.9	12.5	29.5	30.1	30.0	19.2	11.3	29.1	30.3	30.6	19.4	12.1	29.3
20-29	33.7	33.7	24.3	14.6	31.9	32.8	32.7	23.4	13.2	31.2	33.2	33.1	23.6	13.9	31.5
30-39	50.1	49.9	40.5	23.6	47.6	48.6	46.7	39.3	21.3	45.9	49.3	47.9	39.5	22.6	46.6
40-49	75.7	71.4	66.8	37.4	72.2	72.2	69.5	65.2	34.2	66.1	74.0	70.3	65.7	35.0	68.9
50-59	124.9	119.6	124.6	67.4	120.2	120.8	114.5	123.7	61.3	114.3	123.0	117.1	124.3	64.0	117.4
60-64	180.6	172.3	204.3	106.3	176.9	178.5	166.6	203.6	97.6	172.3	179.7	168.1	204.2	102.9	174.7
65-69	229.7	216.9	288.8	143.2	226.3	225.1	207.5	286.7	133.8	217.4	227.8	210.6	288.8	138.2	222.2
70-79	312.2	301.7	459.3	219.0	308.7	328.4	286.4	457.1	202.7	317.9	317.7	293.6	457.1	211.9	312.0
80+	494.2	455.1	807.5	372.9	491.9	519.1	449.3	811.1	343.9	502.1	502.4	453.4	811.1	345.8	495.5
All	163.5	90.4	108.2	59.8	140.6	135.5	84.7	59.8	56.2	111.9	151.0	87.1	76.9	57.7	126.4
OTHER															
0-19	47.5	54.0	22.1	24.1	48.0	47.5	53.2	21.7	22.4	47.5	47.5	53.7	21.9	23.2	47.8
20-29	50.1	55.3	25.8	27.1	50.8	50.1	54.0	25.5	25.0	49.2	50.1	54.5	25.7	25.4	49.8
30-39	74.3	80.7	41.8	42.3	74.1	71.2	78.8	41.4	39.4	71.9	72.4	79.5	41.6	40.5	72.8
40-49	102.8	108.8	66.4	64.6	102.4	104.2	108.3	66.3	60.1	102.5	103.6	108.5	66.3	61.7	102.5
50-59	163.9	176.5	119.7	111.6	163.9	167.0	168.8	120.3	104.9	165.3	165.7	171.7	119.9	108.2	164.7
60-64	240.7	246.6	189.6	169.9	240.0	226.2	243.5	191.8	161.0	226.5	232.0	244.9	190.7	163.6	232.0
65-69	289.0	288.9	257.1	221.4	287.0	286.0	290.2	261.8	209.8	284.6	287.6	289.7	261.8	216.3	285.8
70-79	382.2	392.6	395.1	327.8	381.1	383.8	400.0	397.5	309.9	382.1	382.8	396.5	397.4	318.7	381.5
80+	580.7	590.6	662.0	531.1	580.9	617.3	593.8	681.1	511.4	615.6	593.2	591.7	662.1	528.3	592.6
All	219.2	141.5	102.2	131.8	198.5	182.8	130.7	115.6	94.0	163.8	200.2	134.9	110.3	109.1	179.5
ALL															
0-19	43.3	46.1	21.7	18.5	42.7	42.2	45.3	20.5	19.0	41.7	42.8	45.7	21.0	18.8	42.2
20-29	48.9	45.0	28.1	18.2	45.5	54.1	46.8	25.7	21.0	48.5	51.7	46.1	26.5	19.9	47.2
30-39	96.2	69.6	51.7	33.1	83.5	91.0	70.6	47.4	32.8	79.8	93.5	70.2	48.9	33.0	81.5
40-49	132.8	97.4	80.4	62.5	117.2	136.8	102.3	83.2	52.4	116.6	134.7	100.0	82.3	56.0	116.9
50-59	209.0	169.8	154.8	119.5	193.1	221.2	175.0	179.2	106.7	199.2	214.6	172.6	166.9	113.2	196.1
60-64	297.9	248.1	233.2	191.2	281.7	292.2	249.6	276.0	184.7	275.2	295.2	249.0	252.5	188.3	278.4
65-69	342.1	278.6	287.7	245.9	327.8	350.6	289.7	338.9	242.5	328.4	345.8	285.2	313.4	243.8	328.1
70-79	424.5	362.3	447.2	321.4	414.1	461.6	399.0	455.2	327.4	444.5	439.2	382.9	451.7	324.0	426.9
80+	597.1	534.5	662.2	515.6	590.9	665.1	577.1	817.6	509.1	644.9	622.4	558.8	748.1	511.9	612.4
All	271.3	158.4	174.5	158.7	238.5	260.1	169.2	167.2	140.7	223.7	266.2	164.4	170.3	149.0	231.2

Age is determined on January 1 of each calendar year.

U.S. only; patients of unknown age or gender, or of other or unknown race, are excluded so that rates can be calculated appropriately.

The 90 day rule has been applied.

Standard Errors

DIABETES	Male					Female					All					
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	
0-19	29.2	26.2	25.8	25.9	29.2	30.7	27.7	26.7	25.3	27.6	29.0	27.7	25.1	24.9	27.1	
20-29	17.6	14.3	21.9	16.7	15.6	18.4	14.5	20.4	17.0	16.2	17.1	13.8	19.8	16.2	15.2	
30-39	16.0	13.2	25.3	20.5	14.0	15.5	13.7	23.8	20.3	13.4	13.4	12.1	22.1	19.2	11.8	
40-49	16.5	15.0	30.2	22.7	13.7	16.4	16.6	27.3	23.3	13.8	12.9	13.7	24.3	21.2	11.0	
50-59	18.7	19.3	40.2	30.8	14.8	24.3	20.3	37.8	28.7	18.4	16.5	15.8	30.4	26.5	13.1	
60-64	30.7	26.2	56.3	37.8	25.0	34.5	26.9	52.1	37.0	25.8	26.0	21.4	39.6	32.4	20.8	
65-69	31.4	27.4	75.0	42.7	26.1	38.4	30.0	68.4	38.5	27.7	27.4	24.0	55.7	33.1	21.7	
70-79	40.4	42.2	121.6	62.7	35.7	42.8	42.5	114.3	56.1	34.7	31.5	34.9	98.2	51.0	26.9	
80+	74.4	69.7	232.1	107.2	70.5	77.6	71.2	228.6	1	7.4	65.0	64.5	65.1	228.5	98.4	57.2
All	15.1	16.1	46.7	34.2	12.4	17.1	17.4	40.6	32.9	13.6	11.8	13.2	31.5	27.7	9.3	

HYPERTENSION															
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All
0-19	10.3	9.7	9.2	9.4	9.5	10.9	10.3	9.8	8.9	9.3	10.2	9.8	9.2	8.8	9.1
20-29	8.2	6.5	10.2	7.8	6.4	8.6	6.7	10.3	7.5	6.6	8.0	6.2	10.0	7.3	6.2
30-39	9.6	7.2	14.8	10.8	7.0	9.4	7.3	15.3	10.3	6.8	8.8	6.6	14.4	10.1	6.3
40-49	10.1	7.9	21.6	13.4	7.0	11.0	8.7	22.7	13.3	7.6	9.2	6.9	21.1	12.5	6.2
50-59	16.2	12.1	38.9	20.6	10.8	15.5	14.6	41.0	19.9	11.8	13.7	10.9	37.5	18.6	9.3
60-64	20.8	17.1	62.7	28.4	16.4	23.5	18.9	67.8	27.7	17.5	18.2	15.9	61.5	25.4	14.4
65-69	23.6	24.2	87.9	36.4	19.5	26.0	24.9	94.3	34.1	20.0	19.2	21.3	86.1	31.8	15.6
70-79	30.6	35.2	146.5	51.5	27.1	34.6	36.5	159.2	51.1	29.5	24.3	30.1	145.3	45.6	21.4
80+	52.5	67.1	274.7	95.4	49.3	60.1	70.8	306.2	94.9	54.0	44.5	62.0	275.5	86.1	41.5
All	16.3	9.9	52.7	31.3	11.0	19.0	11.4	45.0	27.8	11.9	12.6	8.7	46.2	26.1	8.0

GLOMERULONEPHRITIS															
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All
0-19	8.2	9.0	13.9	7.1	7.9	7.8	8.3	12.8	6.3	7.5	7.7	8.4	12.6	6.7	7.4
20-29	6.0	6.5	14.0	5.6	5.5	6.1	5.9	12.2	5.1	5.3	5.7	5.8	12.2	5.1	5.0
30-39	6.3	7.1	20.0	8.2	5.6	6.0	5.9	17.7	7.2	4.8	5.4	5.7	17.4	7.4	4.4
40-49	7.4	8.9	29.7	11.3	6.7	8.1	8.1	27.2	10.2	6.2	6.3	7.4	26.3	10.0	5.3
50-59	10.7	13.9	50.5	18.4	9.2	11.8	12.5	49.0	16.8	9.3	9.0	11.1	46.5	16.4	7.2
60-64	16.8	21.0	83.1	28.5	15.6	17.3	20.7	81.8	27.6	15.2	14.1	18.6	83.0	26.6	12.7
65-69	21.2	26.6	121.3	39.7	20.0	23.4	26.6	122.6	38.8	20.6	17.4	23.3	121.3	37.2	15.8
70-79	33.2	43.2	201.4	61.5	31.5	30.1	41.6	208.2	60.9	28.1	26.8	37.1	208.0	58.3	24.9
80+	54.7	76.7	400.7	119.3	53.9	61.4	76.1	420.2	1	20.1	60.2	48.2	420.0	118.9	46.7
All	11.8	9.8	44.0	15.9	9.4	10.1	8.5	24.2	15.4	7.4	8.4	7.6	28.9	14.7	6.0

OTHER																
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	
0-19	10.7	13.6	16.3	11.9	10.8	11.3	13.7	14.7	10.3	11.1	10.5	13.2	15.0	10.6	10.5	
20-29	8.3	10.1	17.1	9.5	8.0	8.1	9.4	14.4	7.9	7.4	7.7	9.2	14.9	7.9	7.3	
30-39	9.1	11.3	22.1	12.7	8.4	8.8	9.4	19.2	10.6	7.1	8.0	9.1	19.3	10.7	6.8	
40-49	9.2	12.8	32.9	16.0	8.7	9.6	12.3	27.6	14.1	8.2	8.0	11.1	27.5	13.7	7.2	
50-59	15.0	19.7	52.9	26.0	13.0	14.5	18.3	45.3	23.0	13.0	11.7	16.3	46.4	22.4	10.5	
60-64	20.1	28.1	83.1	38.8	18.5	21.8	27.0	70.1	34.7	19.5	18.0	24.7	70.6	33.3	16.2	
65-69	24.9	35.0	115.5	50.2	22.9	24.4	36.0	98.8	47.5	22.4	19.9	31.6	98.8	45.4	18.3	
70-79	32.6	53.7	184.5	76.1	30.7	33.6	53.6	163.3	77.5	31.5	26.8	47.4	162.3	71.1	25.2	
80+	51.5	90.1	344.4	134.4	50.1	58.5	96.0	311.0	3	39.8	57.9	45.2	85.0	344.3	131.5	44.2
All	13.2	14.1	45.1	28.5	10.8	10.7	12.2	42.9	20.0	8.7	9.4	11.4	40.5	21.4	7.3	

ALL															
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All
0-19	9.6	11.3	14.9	8.9	9.5	9.7	11.3	11.8	8.6	9.5	9.3	11.0	12.3	8.5	9.2
20-29	7.2	6.9	13.1	5.8	6.4	8.0	6.9	10.7	6.2	6.6	7.2	6.5	10.7	5.6	6.2
30-39	8.8	7.0	17.2	8.6	7.0	7.7	5.9	14.1	7.8	5.7	7.2	5.7	13.4	7.6	5.6
40-49	9.1	7.1	21.3	11.9	6.7	8.8	7.3	18.6	10.0	6.4	7.2	6.2	16.4	9.5	5.6
50-59	11.2	10.6	32.3	18.9	8.9	13.3	11.1	32.4	15.6	10.3	10.1	8.9	24.0	14.6	8.2
60-64	19.6	17.9	45.5	26.1	16.7	20.4	16.8	48.1	24.4	16.2	17.1	14.4	31.7	20.8	14.6
65-69	17.8	19.8	60.5	31.2	15.9	21.4	20.4	60.3	27.6	17.3	16.2	16.8	43.9	22.9	14.2
70-79	21.7	29.3	108.0	41.2	20.1	23.1	30.1	97.7	41.1	20.2	17.9	24.2	82.0	33.4	16.5
80+	37.3	58.1	343.7	83.9	35.8	44.3	57.1	259.3	81.7	41.0	33.4	50.7	218.1	71.5	31.8
All	8.6	7.8	32.9	18.4	6.7	8.5	7.6	25.8	15.2	6.1	6.5	5.7	18.9	12.4	5.0

Table H.6
Annual Death Rates: Medicare Transplant Patients

per 1,000 patient years at risk, period prevalent patients, 2000, adjusted for age on January 1, gender, race, & primary diagnosis

DIABETES	Male					Female					All				
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All
0-19	15.0	18.6	9.6	13.0	15.0	17.3	24.4	11.6	16.5	19.7	16.5	24.4	10.6	14.8	18.5
20-29	17.1	20.4	11.9	14.7	17.6	18.9	25.6	13.8	17.9	20.8	18.0	23.8	13.8	16.3	19.3
30-39	27.2	31.5	20.7	23.3	27.5	28.8	37.5	22.9	27.1	29.9	27.9	34.5	21.4	25.7	28.6
40-49	44.9	49.2	36.6	37.7	45.2	44.9	56.2	38.7	41.8	45.9	44.9	51.9	37.5	39.2	45.5
50-59	74.1	78.3	66.4	62.1	74.3	72.6	85.6	67.1	66.7	75.2	73.6	81.4	66.7	63.6	74.6
60-64	97.2	99.1	95.3	81.4	97.0	89.9	103.1	91.7	82.6	93.6	94.7	100.8	93.8	81.9	95.7
65-69	122.6	118.8	129.5	101.5	120.9	109.4	120.7	120.6	98.6	112.1	117.9	119.5	125.9	100.4	117.7
70-79	173.8	161.0	198.2	141.0	170.6	145.8	154.4	175.1	131.3	149.3	166.2	158.2	187.9	138.5	164.0
80+	241.7	216.4	301.5	195.8	241.7	195.8	198.3	255.0	174.1	195.8	229.1	207.4	278.2	184.9	229.1
All	60.4	74.8	74.7	67.4	63.0	54.0	76.5	74.2	64.1	58.6	58.0	75.6	74.5	66.1	61.3
HYPERTENSION															
0-19	5.7	8.1	2.4	5.9	6.6	5.2	8.4	2.3	6.0	5.7	5.4	8.2	2.3	6.0	6.1
20-29	7.2	9.9	3.3	7.5	8.6	6.4	9.8	3.1	7.3	7.7	6.8	9.9	3.2	7.4	8.3
30-39	12.7	16.8	6.5	13.2	14.5	10.9	16.0	5.7	12.2	13.0	12.1	16.6	6.1	12.8	14.1
40-49	23.2	28.9	12.7	23.6	26.1	18.7	26.6	10.7	21.0	22.6	21.8	28.2	12.0	22.4	25.0
50-59	42.9	52.3	25.6	43.6	47.2	33.3	45.7	20.7	37.0	38.9	39.6	50.2	24.0	40.2	44.3
60-64	63.4	72.9	40.7	63.0	66.9	46.6	61.4	31.5	51.1	52.6	57.7	68.8	37.0	58.2	61.9
65-69	88.4	97.8	61.9	87.3	90.9	61.8	78.1	45.8	68.0	67.6	79.0	89.4	52.2	79.5	82.1
70-79	135.6	147.2	105.0	135.6	137.7	93.4	112.2	74.3	100.7	99.4	122.4	130.7	89.6	121.1	124.2
80+	212.8	218.5	177.6	208.6	213.9	138.7	160.5	120.1	148.5	138.7	192.3	218.5	148.9	208.5	197.0
All	52.1	45.3	21.7	43.8	48.5	37.8	43.8	17.7	36.5	40.0	47.4	44.8	20.1	40.6	45.6
GLOMERULONEPHRITIS															
0-19	4.3	5.2	2.9	2.5	4.4	4.6	6.2	3.2	2.9	4.7	4.4	5.6	3.1	2.7	4.5
20-29	5.6	6.5	4.1	3.2	5.7	5.7	7.4	4.3	3.6	6.0	5.7	6.9	4.2	3.4	5.8
30-39	10.2	11.3	8.0	5.8	10.2	10.0	12.5	8.2	6.3	10.3	10.1	11.8	8.1	6.0	10.2
40-49	19.1	20.2	16.3	10.8	18.7	17.8	21.2	15.8	11.0	17.7	18.6	20.6	16.1	10.9	18.4
50-59	36.9	37.1	33.8	20.4	36.0	32.4	37.3	31.5	20.0	32.0	35.4	37.2	32.9	20.2	34.6
60-64	55.0	53.7	55.2	30.4	53.5	47.0	51.9	49.1	28.5	46.3	52.4	53.0	54.0	29.6	51.1
65-69	78.6	74.0	86.3	43.5	77.1	64.6	68.3	73.5	38.8	64.4	73.9	71.6	78.7	41.7	72.6
70-79	126.8	113.8	150.8	69.2	123.6	98.7	100.5	122.9	59.1	97.1	117.7	108.7	142.7	65.5	114.8
80+	202.6	175.1	262.1	109.6	201.2	151.6	147.6	204.1	89.8	150.8	188.2	156.8	233.1	99.7	185.1
All	32.8	24.2	27.5	15.7	30.3	26.1	24.2	23.3	14.1	24.7	30.4	24.2	25.6	14.9	28.2
OTHER															
0-19	5.6	7.4	2.2	3.4	5.8	5.5	8.3	2.2	3.7	5.7	5.6	7.7	2.2	3.5	5.8
20-29	7.1	9.1	3.0	4.3	7.2	6.7	9.6	2.9	4.4	7.1	6.9	9.3	3.0	4.4	7.1
30-39	12.5	15.4	5.8	7.6	12.7	11.4	15.6	5.4	7.4	11.9	12.0	15.5	5.6	7.5	12.3
40-49	22.7	26.6	11.4	13.5	22.9	19.5	25.7	10.2	12.7	20.2	21.3	26.1	10.8	13.0	21.6
50-59	42.6	47.6	22.9	24.9	42.6	34.1	44.0	19.6	22.3	34.8	38.7	45.9	21.4	23.4	39.0
60-64	61.1	66.5	36.3	35.9	60.8	47.7	58.5	29.6	30.9	48.4	55.0	63.1	32.9	33.7	55.2
65-69	84.5	90.1	55.0	49.6	83.9	63.9	75.4	43.0	40.7	64.4	75.2	83.4	53.0	45.2	75.1
70-79	132.2	133.1	93.3	76.5	131.2	95.8	107.8	69.6	60.1	95.3	115.8	122.0	88.3	65.4	114.9
80+	205.9	197.7	156.9	117.7	203.3	142.1	153.4	112.3	88.6	142.5	179.9	186.6	134.6	117.6	179.4
All	37.7	36.9	18.8	19.7	36.9	30.4	32.2	12.8	18.0	30.0	34.4	34.6	16.1	18.8	33.7
ALL															
0-19	5.4	6.8	2.4	3.2	5.5	5.3	7.7	2.6	3.4	5.5	5.3	7.2	2.5	3.3	5.5
20-29	7.1	8.6	3.4	4.3	7.3	7.2	10.3	4.0	4.3	7.8	7.2	9.3	3.7	4.3	7.5
30-39	16.1	16.7	10.0	8.4	15.9	16.5	19.0	8.9	9.0	16.6	16.3	17.6	9.5	8.7	16.2
40-49	29.3	29.5	19.7	17.4	28.8	27.5	29.4	19.1	15.3	27.1	28.6	29.5	19.4	16.3	28.1
50-59	50.4	54.7	47.7	34.7	50.7	42.7	54.2	47.8	29.1	44.5	47.5	54.5	47.7	31.9	48.3
60-64	68.8	76.4	70.3	51.5	69.7	56.2	73.1	65.2	46.2	59.7	63.9	75.1	68.3	49.3	65.8
65-69	90.5	99.2	99.2	71.4	91.4	70.8	86.4	89.7	59.3	73.5	82.8	93.9	95.2	66.3	84.3
70-79	136.8	141.7	156.9	101.8	136.5	100.0	118.4	145.4	74.0	102.1	123.1	131.5	152.6	89.1	123.3
80+	208.1	208.0	224.5	163.1	207.1	144.3	149.6	172.9	125.3	144.7	186.0	194.5	198.7	163.0	186.5
All	43.8	43.7	41.6	29.6	43.2	35.7	42.3	37.5	23.8	36.4	40.6	43.2	39.9	26.8	40.5

Age is determined on January 1 of each calendar year.

U.S. only; patients of unknown age or gender, or of other or unknown race, are excluded so that rates can be calculated appropriately.

The 90 day rule has been applied.

Standard Errors

DIABETES	Male					Female					All				
	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All	White	Black	N. Am.	Asian	All
0-19	4.3	5.9	8.1	6.7	4.3	5.1	7.9	10.4	8.6	5.8	4.7	7.9	8.9	7.4	5.3
20-29	3.0	3.9	7.2	6.0	3.1	3.3	4.6	8.3	7.0	3.4	3.0	4.2	8.3	6.2	3.1
30-39	2.6	3.8	8.9	7.2	2.5	2.8	4.6	9.6	8.4	2.7	2.3	3.7	8.5	7.5	2.2
40-49	3.0	5.0	10.8	10.0	2.8	3.0	5.4	11.9	11.0	2.8	2.3	4.3	9.8	9.4	2.2
50-59	4.5	6.6	15.6	14.4	3.8	5.4	8.1	17.7	15.8	4.8	3.6	5.8	13.5	13.3	3.2
60-64	7.6	9.2	21.9	17.9	6.5	7.7	10.5	24.8	18.9	7.1	6.3	7.7	18.8	15.9	5.3
65-69	10.8	13.6	34.1	23.7	9.8	10.8	13.9	37.1	24.3	9.6	9.5	11.6	30.2	21.0	8.4
70-79	17.0	22.2	66.8	36.7	15.8	16.3	22.3	71.2	37.6	16.0	15.1	19.5	62.3	34.2	14.0
80+	50.0	53.1	143.6	66.9	50.0	42.0	49.0	141.4	64.2	42.0	46.5	48.7	134.3	61.2	46.5
All	2.8	5.8	16.4	14.7	2.7	3.1	6.6	19.1	14.6	3.0	2.2	4.8	13.9	12.9	2.0
HYPERTENSION															
0-19	1.8	2.7	2.8	3.2	2.1	1.9	3.0	2.8	3.1	2.0	1.8	2.8	2.8	3.1	1.9
20-29	1.4	1.9	3.0	3.2	1.6	1.3	1.9	2.8	2.8	1.4	1.3	1.8	2.8	3.0	1.4
30-39	1.7	2.2	4.7	4.1	1.6	1.8	2.2	4.1	3.6	1.7	1.6	2.0	4.3	3.7	1.5
40-49	2.6	2.9	8.1	6.2	2.2	2.5	2.9	6.9	5.5	2.2	2.2	2.5	7.4	5.3	1.9
50-59	3.6	4.6	15.6	10.3	3.2	3.9	5.0	12.7	9.0	3.6	3.1	4.0	14.0	8.4	2.6
60-64	5.4	6.9	25.7	14.7	4.7	5.5	6.8	20.2	13.3	5.1	4.6	5.7	22.3	12.5	3.9
65-69	7.3	10.0	39.6	22.3	6.6	7.3	9.1	30.6	19.0	6.6	6.1	7.9	32.4	18.9	5.3
70-79	12.7	17.2	71.8	41.5	12.0	11.4	14.9	56.0	34.0	10.7	10.6	13.9	60.8	35.5	9.8
80+	44.3	49.1	143.1	87.6	44.0	30.6	37.2	106.5	68.5	30.6	39.2	49.1	119.3	87.5	39.8
All	3.3	3.4	13.2	10.1	2.5	3.8	4.2	11.0	8.9	3.2	2.8	2.9	11.7	8.4	2.0
GLOMERULONEPHRITIS															
0-19	1.2	1.6	2.3	1.3	1.2	1.5	2.2	2.6	1.4	1.5	1.3	1.8	2.4	1.3	1.3
20-29	0.9	1.1	2.5	1.4	0.8	1.1	1.4	2.7	1.4	1.0	0.9	1.2	2.5	1.3	0.9
30-39	1.1	1.6	3.9	1.8	1.0	1.3	1.9	3.8	1.9	1.2	1.1	1.6	3.6	1.7	1.0
40-49	1.7	2.5	6.6	2.9	1.5	1.8	2.6	6.5	3.0	1.5	1.5	2.2	6.0	2.6	1.3
50-59	2.7	4.3	12.4	5.1	2.4	3.0	4.7	12.3	5.1	2.6	2.3	3.9	11.3	4.5	2.0
60-64	4.6	6.8	19.9	8.0	4.2	4.2	7.3	19.3	8.1	3.9	3.8	6.3	18.7	7.2	3.5
65-69	6.4	10.3	33.6	12.6	6.0	6.1	9.6	32.2	12.2	5.8	5.1	8.9	30.0	11.4	4.8
70-79	12.0	18.8	66.1	23.3	11.5	10.9	17.9	63.5	22.1	10.5	9.9	16.8	61.7	21.4	9.5
80+	42.0	44.1	136.4	48.9	41.6	32.9	38.7	129.6	44.5	32.4	38.0	38.6	126.1	44.4	37.1
All	1.9	2.6	9.9	3.9	1.7	2.0	2.9	9.1	3.7	1.7	1.6	2.4	8.7	3.4	1.3
OTHER															
0-19	1.4	2.3	2.3	1.7	1.5	1.5	2.7	2.5	1.7	1.6	1.4	2.3	2.4	1.6	1.5
20-29	1.1	1.8	2.5	1.7	1.1	1.1	1.8	2.4	1.6	1.1	1.0	1.7	2.4	1.5	1.0
30-39	1.3	1.9	4.0	2.3	1.2	1.1	2.0	3.6	2.2	1.1	1.0	1.7	3.6	2.1	1.0
40-49	1.8	3.2	6.7	3.7	1.7	1.8	3.1	5.9	3.3	1.6	1.5	2.7	6.1	3.1	1.4
50-59	2.7	4.9	12.0	5.9	2.4	2.5	5.0	10.2	5.3	2.3	2.0	4.3	10.6	4.9	1.9
60-64	4.8	7.2	18.9	8.7	4.3	4.1	7.2	15.4	8.2	3.8	3.7	6.3	16.2	7.5	3.4
65-69	6.2	10.6	29.5	13.3	5.7	5.0	10.0	23.5	11.9	4.9	4.6	8.8	27.8	11.4	4.4
70-79	10.6	19.1	55.2	24.5	10.3	8.2	16.5	44.8	21.5	8.0	7.9	16.1	51.6	21.0	7.7
80+	37.7	49.8	116.2	47.2	37.5	26.4	39.0	87.2	40.7	26.6	31.9	45.7	97.8	47.1	32.0
All	1.8	3.4	9.8	4.7	1.6	1.7	3.4	6.8	4.4	1.5	1.4	2.9	8.0	4.0	1.2
ALL															
0-19	1.4	2.0	2.0	1.5	1.4	1.5	2.5	2.2	1.5	1.5	1.4	2.1	2.1	1.4	1.4
20-29	1.0	1.3	2.0	1.5	1.0	1.1	1.6	2.3	1.3	1.1	1.0	1.4	2.0	1.3	1.0
30-39	1.2	1.5	3.9	2.0	1.1	1.3	1.9	3.4	2.1	1.2	1.1	1.5	3.4	1.8	1.0
40-49	1.6	2.2	5.4	3.3	1.4	1.6	2.3	5.4	2.8	1.4	1.3	1.8	4.6	2.5	1.2
50-59	2.2	3.3	10.0	5.2	2.0	2.2	4.1	11.6	4.6	2.1	1.8	2.9	8.1	3.6	1.8
60-64	3.8	5.0	14.3	7.5	3.5	3.5	5.9	16.4	8.1	3.4	3.3	4.3	11.6	5.7	3.1
65-69	4.7	7.8	23.6	12.2	4.5	4.3	7.4	27.1	11.9	4.2	4.0	6.1	20.6	9.7	3.8
70-79	7.4	13.8	49.7	22.8	7.3	6.8	13.0	57.8	20.8	6.8	6.0	11.5	47.3	19.2	5.9
80+	37.3	45.0	106.1	60.7	37.3	26.3	36.5	96.6	47.3	26.4	32.6	41.0	94.9	60.7	32.8
All	1.4	2.2	7.9	4.1	1.2	1.4	2.8	8.7	3.8	1.2	1.1	1.8	6.0	2.8	1.0