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Table H.1

Total ESRD Patient Deaths*by demographic characteristics & primary diagnosis*

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
0-4	33	34	30	33	36	31	42	35	42	50
5-9	16	12	14	*	19	18	11	14	19	15
10-14	19	20	19	18	25	23	28	15	31	17
15-19	53	44	46	47	61	54	52	47	57	52
20-29	466	533	497	514	537	560	510	495	512	521
30-39	1,652	1,870	1,915	2,076	2,170	2,201	2,143	2,062	2,200	2,128
40-49	2,794	3,244	3,348	3,843	4,279	4,514	4,689	4,816	5,155	5,340
50-59	4,590	5,084	5,605	6,371	6,829	7,311	7,892	8,559	9,621	10,219
60-64	4,107	4,476	4,633	5,043	5,402	5,719	6,042	6,455	6,995	7,291
65-69	5,714	6,339	6,769	7,148	7,656	8,055	8,513	8,845	9,198	9,590
70-79	10,513	12,382	13,693	14,734	16,311	17,914	18,981	20,776	22,493	23,278
80+	4,383	5,165	5,941	6,876	7,678	8,661	9,842	11,113	12,675	13,841
0-19	121	110	109	104	141	126	133	111	149	134
20-44	3,427	3,896	3,917	4,294	4,601	4,699	4,598	4,594	4,829	4,851
45-64	10,182	11,311	12,081	13,553	14,616	15,606	16,678	17,793	19,654	20,648
65-74	11,462	13,216	14,224	15,264	16,476	17,512	18,367	19,501	20,471	21,181
75+	9,148	10,670	12,179	13,494	15,169	17,118	18,969	21,233	23,895	25,528
Male	18,341	20,766	22,470	24,656	26,770	28,965	30,564	32,980	35,920	37,714
Female	15,999	18,436	20,039	22,046	24,233	26,096	28,180	30,252	33,073	34,515
Unknown	.	*	*	*	.	.	*	.	*	113
White	23,312	26,676	28,570	31,018	33,742	35,532	38,031	41,174	44,559	46,763
Black	9,924	11,134	12,345	13,684	14,866	16,113	16,929	18,126	19,982	20,611
Native American	372	440	510	565	647	777	804	801	917	964
Asian	628	739	775	1,033	1,196	1,525	1,619	1,755	1,985	2,000
Other/unknown	104	214	310	409	552	1,114	1,362	1,376	1,555	2,004
†Hispanic					3,174	4,144	5,004	5,749	6,291	
†Non-Hispanic					51,887	54,601	58,228	63,249	66,051	
Diabetes	11,508	13,370	14,963	16,340	18,756	21,387	23,656	26,682	29,879	31,153
Hypertension	10,267	11,517	12,627	13,707	14,659	15,089	16,305	17,249	18,614	19,475
Glomerulonephritis	3,516	3,789	3,898	4,156	4,530	4,850	5,049	5,162	5,504	5,641
Cystic kidney	782	838	931	913	1,056	1,082	1,144	1,138	1,227	1,253
Other urologic	595	699	737	764	840	950	943	1,032	1,133	1,223
Other cause	3,480	3,734	3,934	4,257	4,905	5,757	6,068	6,499	7,122	7,407
Unknown cause	1,644	1,920	1,936	1,825	2,042	2,137	2,303	2,470	2,570	2,748
Missing cause	2,548	3,336	3,484	4,747	4,215	3,809	3,277	3,000	2,949	3,442
All	34,340	39,203	42,510	46,709	51,003	55,061	58,745	63,232	68,998	72,342

Age is as of the date 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.

"." Zero values in this cell.

Table H.2

Annual Death Rates: 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	46.1	60.4	44.1	36.8	51.9	55.2	71.3	45.8	37.7	64.8	50.6	67.8	44.9	37.2	59.5
20-29	63.4	73.1	58.1	49.7	66.5	72.9	88.0	58.4	49.6	78.1	68.3	82.0	58.3	49.6	72.9
30-39	83.2	99.1	73.8	66.2	85.9	83.2	106.4	73.8	63.8	88.3	83.2	102.8	73.8	65.0	87.0
40-49	118.8	118.9	106.7	93.4	117.8	125.2	132.2	100.2	89.6	125.6	121.4	125.3	103.5	91.8	121.1
50-59	179.4	154.5	148.4	146.9	169.4	204.6	166.0	141.0	141.8	184.1	189.9	160.6	144.6	144.8	176.2
60-64	251.0	191.9	206.9	191.5	227.3	258.8	190.0	182.0	172.8	223.3	254.7	190.8	193.4	181.9	225.2
65-69	324.6	232.3	251.8	230.4	289.4	306.6	233.5	231.0	209.8	270.6	315.4	233.0	238.2	219.5	279.0
70-79	424.1	306.0	354.3	335.4	388.9	402.9	313.1	296.4	286.0	361.5	413.1	310.7	315.8	306.8	373.2
80+	589.8	456.1	483.7	511.3	554.4	589.7	424.4	425.2	442.9	517.8	589.8	434.1	446.1	473.0	533.3
All	242.6	194.3	187.5	214.7	226.7	266.5	219.4	188.2	210.6	244.3	253.7	208.8	187.9	212.6	235.5
HYPERTENSION															
0-19	15.9	22.6	18.5	10.5	19.5	19.0	27.4	19.5	11.0	22.2	17.7	24.9	19.3	11.0	21.0
20-29	23.7	29.5	27.6	16.3	27.2	27.7	38.3	28.9	16.4	33.7	25.2	32.3	28.3	16.3	29.4
30-39	34.9	43.0	40.2	24.3	40.0	40.0	49.3	40.3	23.7	45.4	36.6	45.2	40.2	24.1	41.8
40-49	61.2	69.6	66.7	38.8	66.4	66.6	76.0	63.4	39.4	71.8	62.9	71.7	65.4	39.1	68.2
50-59	114.9	104.9	107.0	72.2	107.3	116.9	112.2	104.0	63.3	111.3	115.6	107.6	106.0	67.9	108.8
60-64	186.2	155.5	167.9	105.4	167.1	192.9	150.5	154.9	100.5	164.9	188.8	153.2	161.9	103.6	166.1
65-69	235.4	200.0	233.0	149.3	218.0	249.7	209.6	216.6	135.5	223.8	241.0	204.9	224.5	142.3	220.6
70-79	355.9	290.4	360.6	253.7	335.2	362.0	290.6	309.2	219.1	327.0	358.3	290.5	329.8	237.1	331.5
80+	515.0	436.0	585.1	424.9	497.0	520.6	447.5	493.9	341.6	489.6	517.4	443.1	526.6	382.8	493.4
All	266.9	132.2	149.2	154.5	196.8	292.0	179.3	177.5	144.9	226.7	276.7	152.3	161.8	150.1	209.1
GLOMERULONEPHRITIS															
0-19	9.7	15.8	13.0	6.7	11.4	10.7	18.4	13.0	6.6	12.7	10.2	17.1	13.0	6.7	12.0
20-29	15.7	23.5	20.5	10.5	18.1	16.9	25.6	19.3	10.2	19.5	16.2	24.4	19.9	10.4	18.7
30-39	22.7	32.5	30.6	16.8	25.4	24.4	33.5	28.7	15.4	26.9	23.3	32.9	29.7	16.2	26.0
40-49	42.0	57.1	51.6	28.7	45.8	40.4	57.5	46.9	24.7	43.9	41.4	57.2	49.7	26.6	45.1
50-59	73.0	85.6	88.8	49.4	75.0	70.4	86.8	81.1	43.0	72.5	72.0	86.1	85.5	46.4	74.1
60-64	114.2	124.7	136.7	80.8	114.7	115.5	124.8	120.0	71.4	115.1	114.7	124.7	129.9	76.7	114.8
65-69	174.9	166.8	191.2	120.8	171.5	163.5	171.7	164.9	99.0	162.0	170.5	169.1	177.9	110.5	167.6
70-79	264.2	238.7	319.3	200.2	258.6	291.3	228.9	264.2	155.4	270.4	274.0	233.7	289.4	179.7	263.2
80+	449.4	411.8	535.8	349.6	442.1	466.8	381.0	442.4	272.7	440.3	456.2	394.9	481.4	308.1	441.4
All	99.1	72.8	82.0	57.9	90.1	100.7	80.0	76.6	49.1	90.7	99.7	75.8	79.5	53.7	90.3
OTHER															
0-19	13.1	25.4	17.1	10.6	15.7	16.7	33.2	18.2	11.3	19.8	14.5	28.4	17.5	10.9	17.3
20-29	20.3	36.5	25.4	16.5	24.1	24.4	47.2	26.5	17.3	30.6	22.1	42.1	25.9	16.9	27.1
30-39	29.3	56.8	37.2	24.4	36.9	35.9	65.5	37.6	25.0	44.5	32.4	61.2	37.4	24.7	40.6
40-49	50.1	78.6	60.1	38.6	58.2	51.8	83.7	59.1	37.9	60.6	50.9	80.9	59.6	38.3	59.3
50-59	92.2	115.7	97.6	69.9	97.3	86.6	122.8	95.8	61.9	94.0	89.6	119.0	96.7	65.4	95.7
60-64	143.4	178.4	152.4	106.3	149.9	139.5	181.2	138.6	96.9	147.5	141.5	179.8	146.1	101.6	148.7
65-69	208.6	226.6	215.1	152.9	210.4	205.2	246.6	201.6	137.0	212.2	207.0	236.8	209.2	145.1	211.3
70-79	338.7	324.1	333.8	253.8	334.3	311.4	330.5	280.9	210.7	311.3	326.7	327.4	305.1	230.3	323.8
80+	527.4	482.9	525.1	393.5	518.1	490.7	516.8	456.6	362.8	491.5	511.9	500.1	488.9	379.2	506.5
All	135.7	123.7	101.6	89.0	131.2	127.5	136.8	101.8	76.4	127.5	132.0	130.0	101.7	82.2	129.5
ALL															
0-19	12.7	23.1	16.0	9.2	15.0	15.6	29.1	16.4	9.6	18.5	13.9	25.6	16.1	9.4	16.5
20-29	21.9	32.1	24.9	14.0	25.1	26.9	43.3	27.3	15.4	32.0	24.1	37.1	26.2	14.7	28.2
30-39	42.8	50.9	45.8	24.8	44.9	46.6	60.5	44.7	25.3	50.4	44.4	55.0	45.2	25.0	47.3
40-49	72.4	78.2	79.5	47.1	73.7	74.9	88.9	78.4	41.3	78.4	73.4	82.5	79.0	44.2	75.6
50-59	125.4	120.7	130.7	95.5	122.7	133.1	136.1	128.4	83.0	131.9	128.6	127.5	129.6	89.5	126.7
60-64	190.3	172.0	190.7	138.4	182.1	199.8	174.4	172.5	132.0	186.4	194.5	173.3	181.3	135.4	184.2
65-69	256.2	215.6	238.9	186.0	241.0	258.2	225.1	223.6	170.9	241.1	257.1	220.9	229.5	178.3	241.0
70-79	361.7	298.1	350.1	279.0	344.4	361.9	303.1	295.2	244.0	335.9	361.8	301.1	315.2	260.4	340.1
80+	524.4	448.2	520.0	437.5	507.8	526.3	444.0	448.2	370.4	494.3	525.2	445.6	475.5	402.5	501.2
All	187.2	139.0	150.5	134.5	169.6	199.6	176.3	160.6	126.3	187.3	192.6	157.1	155.8	130.4	177.6

Age is determined on January 1 of each calendar year.
 U.S. only; unknown age, gender, & race; other & unknown are excluded.
 The 90 day rule has been applied.

Table H.3

Annual Death Rates: 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	91.6	71.5	58.9	53.1	82.9	106.5	81.9	58.6	53.1	90.6	99.3	78.9	58.8	53.1	87.8
20-29	105.8	80.7	69.5	63.5	94.3	120.6	96.0	67.3	62.0	106.5	113.6	89.5	67.9	62.4	101.0
30-39	153.1	119.3	94.4	90.1	141.0	162.4	130.0	90.3	84.5	146.8	156.8	124.6	92.3	87.5	143.5
40-49	192.6	135.0	126.3	117.2	168.6	203.6	143.2	114.4	108.1	171.6	197.0	139.1	120.6	113.2	169.9
50-59	226.7	166.3	169.0	169.3	200.7	239.8	174.5	154.5	155.1	204.4	232.5	170.7	161.3	163.1	202.5
60-64	283.9	201.9	222.9	209.3	249.9	279.6	196.1	191.1	185.0	236.2	281.7	198.5	205.0	196.6	242.5
65-69	348.0	242.6	270.9	241.9	307.4	317.8	236.7	233.9	216.5	277.7	332.1	239.0	246.1	228.1	290.6
70-79	433.1	309.8	357.5	338.1	395.9	406.6	314.8	294.3	284.0	364.0	419.1	313.2	314.9	306.4	377.4
80+	588.1	461.7	479.3	501.6	553.8	588.1	426.3	412.9	432.4	516.8	588.1	437.0	436.6	462.9	532.5
All	309.6	210.0	208.4	237.3	272.4	318.5	229.5	199.7	223.4	274.4	313.9	221.5	203.4	230.1	273.5
HYPERTENSION															
0-19	32.6	27.0	26.6	16.2	28.6	38.7	32.3	27.3	16.6	33.7	36.1	29.8	26.9	16.6	31.4
20-29	40.7	32.7	35.6	22.1	34.2	47.7	41.7	36.2	22.0	42.4	43.2	35.7	35.9	22.0	37.0
30-39	62.9	50.8	55.5	35.0	52.9	68.8	57.5	54.5	33.9	59.0	65.1	53.2	55.2	34.5	55.0
40-49	93.7	80.4	86.1	52.6	82.5	104.5	86.2	80.9	52.8	88.4	97.3	82.4	84.0	52.7	84.5
50-59	159.9	116.0	132.9	87.5	127.9	160.0	122.6	123.8	77.4	131.0	159.9	118.5	130.1	82.7	129.1
60-64	229.9	169.7	195.0	121.8	192.7	238.1	159.5	176.6	116.8	185.6	233.2	164.9	186.2	120.0	189.6
65-69	264.4	212.5	260.8	166.2	239.0	284.0	220.7	239.1	147.8	244.2	272.3	216.7	249.7	156.7	241.4
70-79	370.5	295.8	380.1	258.7	346.8	372.3	295.3	320.4	223.3	334.5	371.2	295.5	344.2	241.6	341.1
80+	516.9	441.2	614.7	429.4	499.7	521.1	449.9	509.6	343.1	490.8	518.7	446.6	547.4	385.7	495.4
All	321.4	149.0	189.5	190.5	230.5	340.9	195.2	215.4	173.8	255.8	329.3	169.5	201.4	182.6	241.2
GLOMERULONEPHRITIS															
0-19	25.2	22.4	23.8	13.1	23.2	28.2	26.0	22.9	12.7	26.4	26.6	24.2	23.4	13.0	24.7
20-29	33.8	30.1	32.5	17.8	31.1	36.1	32.3	29.8	16.9	32.9	34.8	31.1	31.1	17.4	31.9
30-39	48.2	44.9	51.4	29.4	45.6	52.6	44.4	46.5	26.4	46.8	49.9	44.7	48.7	28.2	46.1
40-49	83.3	72.5	79.3	44.9	76.5	77.6	74.2	70.1	39.8	72.5	81.2	73.1	76.1	42.1	75.0
50-59	124.2	104.9	126.0	72.9	114.5	118.2	105.1	111.6	61.9	109.6	121.9	105.0	120.0	67.9	112.6
60-64	169.0	142.7	179.9	109.9	159.2	167.6	137.6	153.7	94.8	153.3	168.5	140.3	167.4	103.4	156.8
65-69	238.2	186.4	239.7	148.1	222.5	212.7	188.3	201.7	121.1	200.7	227.6	187.3	223.3	134.4	213.0
70-79	291.6	250.8	362.7	222.9	283.6	323.2	234.9	291.7	172.1	294.6	303.2	242.5	321.8	198.9	288.0
80+	458.0	421.6	596.3	372.5	451.6	474.2	389.3	481.2	289.7	448.6	464.4	403.9	529.3	327.8	450.3
All	175.0	92.9	125.0	92.7	142.8	177.4	100.5	113.8	79.7	142.1	175.9	96.1	119.8	86.5	142.5
OTHER															
0-19	39.1	40.4	34.1	23.0	39.0	46.7	50.5	35.3	24.3	46.7	42.6	45.0	34.4	23.8	42.6
20-29	48.9	50.0	44.1	30.4	48.5	56.6	62.4	44.6	31.6	57.3	52.4	56.7	44.4	31.1	52.9
30-39	68.2	75.6	67.0	46.6	70.8	80.3	87.5	66.0	47.3	82.2	74.0	81.5	66.5	46.9	76.4
40-49	101.7	98.4	97.7	67.1	99.1	104.5	107.7	94.3	65.8	104.2	102.9	102.5	96.3	66.4	101.4
50-59	163.3	139.2	143.8	106.7	153.0	152.8	151.6	138.4	96.4	150.2	158.2	144.8	141.1	101.2	151.7
60-64	221.6	212.3	207.5	146.7	216.5	210.7	211.9	185.4	132.8	207.8	216.3	212.1	198.1	139.0	212.2
65-69	280.5	251.3	275.0	195.4	270.7	280.3	275.1	249.0	178.2	275.0	280.4	263.8	261.1	187.2	272.8
70-79	375.2	337.2	376.2	282.5	366.3	349.7	342.6	313.7	238.8	344.0	364.0	340.0	340.8	259.2	356.1
80+	535.8	486.6	578.1	422.2	526.6	498.2	519.9	495.4	387.7	498.9	519.9	503.6	534.4	405.9	514.4
All	241.6	154.4	162.8	145.9	210.8	223.0	171.1	159.5	123.9	201.4	233.1	162.5	161.2	134.2	206.4
ALL															
0-19	36.0	34.0	30.6	17.5	34.4	42.7	41.7	28.5	20.4	41.2	39.1	37.8	30.0	19.0	37.6
20-29	48.3	40.1	39.6	23.6	43.3	58.0	53.4	40.7	26.7	53.7	52.6	46.2	40.2	25.2	48.0
30-39	89.7	64.3	70.8	42.9	75.3	97.7	76.2	67.3	42.7	84.1	93.0	69.5	69.1	42.8	79.0
40-49	132.2	93.1	108.0	73.1	110.0	137.8	105.4	102.4	64.9	117.5	134.5	98.1	105.5	69.1	113.1
50-59	188.5	136.1	158.9	128.0	162.7	193.8	150.8	148.9	113.0	169.8	190.8	142.9	153.9	121.0	165.9
60-64	248.4	187.9	216.2	168.7	221.6	250.0	185.1	187.9	157.6	216.3	249.2	186.4	200.8	163.3	218.9
65-69	303.4	229.5	267.2	208.7	274.8	296.5	233.9	234.0	188.0	265.0	300.1	232.0	246.1	197.8	269.7
70-79	383.0	304.5	364.0	290.1	361.2	379.1	307.1	299.6	251.1	347.2	381.2	306.1	322.3	269.2	354.2
80+	528.1	453.4	540.0	443.4	511.9	528.6	446.5	453.6	372.3	496.6	528.3	449.1	486.4	406.2	504.3
All	276.3	161.2	189.7	181.7	228.6	282.8	197.2	189.2	168.0	240.3	279.2	179.2	189.4	174.9	234.1

Age is determined on January 1 of each calendar year.

U.S. only; unknown age, gender, & race; other & unknown are excluded.

The 90 day rule has been applied.

Table H.4

Annual Death Rates: 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	90.9	66.9	58.6	53.1	78.8	105.2	76.5	58.1	52.7	87.4	99.1	73.4	58.3	52.9	84.3
20-29	110.1	77.8	72.1	66.1	94.6	126.5	95.2	69.2	63.6	107.2	118.1	87.7	69.9	64.2	101.3
30-39	157.4	121.9	97.6	93.7	143.7	177.4	124.7	91.8	87.1	150.9	164.9	123.3	94.8	90.7	146.7
40-49	196.2	132.0	130.0	120.7	168.3	204.9	138.5	116.3	108.7	168.2	199.6	135.2	123.5	115.5	168.2
50-59	221.9	160.8	170.2	172.4	195.1	229.8	171.9	148.0	155.5	197.3	225.4	166.8	158.4	164.9	196.2
60-64	273.1	197.9	214.6	204.1	240.6	272.9	190.5	188.2	186.9	229.3	273.0	193.5	199.8	195.1	234.4
65-69	336.4	238.6	267.4	236.0	297.3	307.2	234.6	229.9	204.4	270.1	320.8	236.1	241.9	218.9	281.7
70-79	423.2	306.8	349.9	339.3	387.1	395.1	309.9	285.1	270.1	354.2	408.2	308.9	305.6	298.1	367.9
80+	587.1	456.4	469.1	497.3	550.1	575.0	425.8	402.4	411.8	507.5	580.7	435.2	426.6	450.2	525.4
All	308.2	207.7	207.8	238.9	269.1	315.8	227.5	197.3	217.7	270.7	311.9	219.4	201.7	227.8	270.0
HYPERTENSION															
0-19	32.9	25.6	27.8	16.4	27.1	39.1	30.8	28.6	16.9	33.2	37.2	28.3	28.2	16.9	30.6
20-29	42.7	32.6	38.6	23.4	34.6	50.2	41.2	39.2	23.3	42.7	45.1	35.3	38.9	23.3	37.1
30-39	64.5	51.9	60.1	36.8	54.0	73.3	57.6	59.4	35.6	59.9	67.7	53.9	60.0	36.3	56.1
40-49	97.0	80.9	91.9	54.7	83.5	110.9	85.9	87.3	54.5	89.4	101.5	82.5	90.2	54.6	85.5
50-59	161.1	115.5	137.5	89.0	127.2	157.8	121.7	129.4	78.5	129.6	159.8	117.8	135.1	84.1	128.1
60-64	227.5	165.2	200.7	121.4	188.1	233.8	157.7	179.5	116.8	181.6	230.0	161.7	189.6	119.8	185.3
65-69	260.9	213.0	270.3	164.7	236.4	281.6	215.5	245.4	148.8	239.6	269.2	214.3	255.9	156.7	237.9
70-79	366.7	296.1	384.7	252.2	343.3	368.1	292.2	325.0	223.1	329.8	367.3	293.8	348.7	238.1	337.0
80+	513.8	440.7	621.5	415.0	496.3	518.5	449.0	514.4	339.9	488.3	515.9	445.8	552.9	376.8	492.4
All	323.9	150.3	197.8	192.1	230.4	344.6	197.7	231.3	180.8	257.9	332.2	171.1	213.3	186.9	242.1
GLOMERULONEPHRITIS															
0-19	26.4	21.7	24.3	13.6	23.2	29.5	25.0	23.5	13.2	25.8	27.6	23.2	24.1	13.4	24.3
20-29	36.0	30.2	34.3	19.0	32.2	38.6	31.9	31.9	18.4	33.8	37.0	30.9	33.1	18.7	32.9
30-39	50.7	44.7	54.1	31.2	46.8	57.4	46.0	50.0	28.4	49.5	53.0	45.2	52.1	30.1	47.8
40-49	86.7	73.7	82.6	47.0	78.6	82.7	76.7	74.0	41.8	76.4	85.3	74.7	80.2	44.5	77.8
50-59	127.1	103.2	127.5	74.2	115.1	120.6	104.2	112.0	63.7	110.4	124.6	103.6	121.1	69.5	113.3
60-64	168.8	138.6	179.7	110.3	157.2	165.5	133.7	151.8	95.7	150.0	167.6	136.4	164.1	104.1	154.3
65-69	239.5	179.0	234.1	148.6	220.5	211.7	187.3	198.0	118.8	199.0	228.0	182.8	218.1	133.2	211.2
70-79	290.4	242.2	352.1	218.1	280.7	319.2	234.2	284.5	171.4	290.5	301.1	238.0	313.4	196.2	284.7
80+	453.8	419.5	576.2	363.8	446.9	468.1	389.1	465.0	287.5	443.2	459.5	402.7	513.3	323.9	445.3
All	181.2	93.1	128.4	98.3	145.4	190.6	105.1	127.8	86.8	150.9	184.7	98.0	128.2	93.0	147.6
OTHER															
0-19	39.4	38.7	35.7	23.4	38.7	49.0	48.1	37.6	24.5	47.3	43.8	43.1	35.9	24.1	42.7
20-29	51.1	51.1	47.8	32.2	50.3	60.7	65.3	49.6	34.2	61.1	55.3	58.7	48.8	33.3	55.5
30-39	68.7	75.5	72.6	49.0	71.3	86.6	89.9	73.4	50.2	86.7	76.8	82.4	73.0	49.6	78.5
40-49	105.4	99.8	104.8	69.1	101.7	108.0	110.3	103.3	69.7	107.6	106.5	104.2	104.2	69.4	104.3
50-59	168.1	139.7	148.6	109.4	155.8	156.5	155.0	146.2	98.2	153.6	162.6	146.4	147.3	103.3	154.8
60-64	222.9	212.4	213.3	147.9	217.4	219.2	215.9	192.9	133.2	214.7	221.1	214.2	205.2	140.1	216.1
65-69	280.4	251.6	279.4	192.5	270.2	284.1	277.9	258.9	180.5	278.3	282.1	265.3	269.6	186.8	274.1
70-79	375.9	336.7	379.8	275.2	366.5	349.7	351.4	326.9	240.9	346.1	364.4	344.2	352.0	256.9	357.2
80+	535.6	485.7	591.3	415.7	525.9	493.9	534.8	511.5	384.6	498.1	517.9	510.5	546.9	400.6	513.7
All	251.4	157.8	173.6	151.4	217.4	236.9	180.7	174.6	134.9	213.3	244.9	168.6	174.1	142.8	215.5
ALL															
0-19	36.4	31.8	32.1	17.1	33.6	45.8	39.6	29.2	19.7	41.5	40.7	35.6	31.5	18.5	37.3
20-29	50.7	40.1	41.6	25.2	44.3	61.6	54.4	44.3	29.0	55.9	55.2	46.4	43.1	27.1	49.3
30-39	91.0	64.8	74.3	46.0	75.7	105.2	76.9	73.2	46.1	87.1	96.6	69.8	73.8	46.0	80.4
40-49	135.4	93.3	112.7	76.3	110.7	141.7	105.6	107.2	68.9	118.9	137.9	98.1	110.4	72.8	113.9
50-59	188.5	133.9	161.0	132.1	160.7	191.6	150.1	144.9	116.2	167.8	189.9	141.3	152.9	124.7	163.9
60-64	243.2	184.0	211.6	166.1	216.0	248.6	181.8	185.8	160.0	213.0	245.7	182.8	197.6	163.2	214.5
65-69	297.9	227.3	265.8	205.0	269.4	291.5	231.4	231.2	181.6	260.3	294.8	229.7	243.5	192.8	264.6
70-79	378.9	302.8	359.9	286.7	357.0	373.0	304.2	293.8	244.6	341.4	376.2	303.7	316.9	263.9	349.0
80+	526.1	451.5	536.3	433.8	509.1	523.0	447.2	450.6	363.4	492.3	524.7	448.8	483.1	397.1	500.8
All	280.7	162.0	192.6	186.3	229.9	289.6	200.5	193.0	173.3	244.4	284.7	181.1	192.8	179.8	236.7

Age is determined on January 1 of each calendar year.
 U.S. only; unknown age, gender, & race; other & unknown are excluded.
 The 90 day rule has been applied.

Table H.5

Annual Death Rates: 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	114.6	100.4	48.4	46.7	114.6	120.6	105.2	50.9	45.1	107.1	116.0	105.2	49.6	45.9	109.3
20-29	107.0	93.1	50.4	47.9	101.7	113.2	97.4	53.3	46.5	107.1	110.9	96.0	52.0	47.0	105.2
30-39	142.4	116.5	72.8	68.1	135.7	144.8	128.0	77.4	66.1	139.1	143.6	122.6	75.2	67.1	137.4
40-49	179.3	151.9	104.4	96.4	170.9	197.4	165.0	111.2	94.5	183.4	187.2	158.8	108.9	95.4	176.7
50-59	266.2	222.8	170.8	154.3	249.3	298.2	224.7	186.6	152.0	265.1	280.1	223.9	179.5	153.3	256.8
60-64	360.6	277.1	255.9	228.0	335.3	366.6	298.1	268.8	217.4	336.4	363.3	289.5	264.2	223.0	335.9
65-69	433.1	317.5	324.8	286.8	404.5	445.6	329.1	348.5	285.7	400.4	438.7	324.6	337.3	286.1	402.4
70-79	530.9	393.1	454.7	384.3	506.4	573.4	427.6	490.7	397.8	530.6	549.4	414.9	472.0	390.4	517.8
80+	710.4	540.0	697.7	593.9	698.0	823.0	578.6	758.9	597.5	742.7	753.9	570.8	758.9	596.6	719.0
All	322.9	237.4	215.9	223.1	301.6	338.5	262.3	224.2	239.2	310.6	329.9	252.0	220.7	231.0	305.9
HYPERTENSION															
0-19	38.9	38.0	17.2	14.6	37.7	41.4	40.4	18.3	14.3	37.5	39.8	39.6	17.7	14.4	37.6
20-29	40.9	39.1	20.0	16.8	37.9	43.7	42.1	21.4	16.5	40.6	42.3	40.6	21.2	16.6	39.3
30-39	59.9	55.1	32.3	26.7	55.1	63.4	59.8	34.7	26.3	58.5	61.5	57.2	33.6	26.5	56.7
40-49	86.1	78.5	52.2	42.4	78.8	92.3	85.5	56.0	42.0	84.0	88.5	81.6	54.6	42.2	81.0
50-59	146.1	128.6	96.4	76.9	133.7	160.3	138.2	103.7	76.2	142.0	151.8	133.5	99.0	76.5	137.5
60-64	221.2	193.8	157.8	124.0	207.5	240.6	200.8	171.9	123.6	217.5	229.8	198.0	159.8	123.8	212.5
65-69	280.0	235.0	226.3	176.0	265.9	303.9	267.8	247.4	174.2	281.3	289.7	253.1	229.3	174.8	272.9
70-79	397.5	325.4	355.5	274.8	382.5	426.7	369.4	388.0	270.3	408.3	408.8	346.9	373.9	272.9	393.0
80+	589.0	502.6	611.5	464.5	577.2	650.5	552.6	672.6	460.6	625.4	612.9	530.6	642.1	462.6	597.0
All	295.1	132.1	135.9	153.2	228.4	311.1	154.8	112.0	147.6	230.5	301.6	143.4	124.5	150.3	229.3
GLOMERULONEPHRITIS															
0-19	29.0	31.7	20.3	12.0	28.3	28.1	30.6	19.5	10.6	28.3	28.5	31.1	19.7	11.6	28.3
20-29	31.2	33.2	24.0	14.0	30.3	30.3	32.4	23.1	12.4	29.7	30.7	32.7	23.4	13.2	30.0
30-39	45.9	48.0	39.2	22.6	44.1	44.5	45.9	37.9	20.0	43.4	45.2	46.7	38.1	21.5	43.7
40-49	68.7	68.7	63.9	36.1	67.0	65.8	67.3	62.1	32.3	62.1	67.3	67.9	62.7	33.3	64.4
50-59	115.4	115.3	119.5	66.6	112.4	111.7	111.9	117.6	59.4	107.6	113.7	113.6	118.7	62.7	110.1
60-64	171.9	168.2	198.1	108.7	169.4	168.6	164.4	195.8	97.7	164.9	170.4	165.5	198.1	103.9	167.2
65-69	228.2	219.0	289.9	155.6	225.1	223.1	212.6	286.1	141.7	217.5	226.0	214.7	289.9	148.9	221.6
70-79	314.8	305.7	459.9	243.4	312.0	324.6	296.7	455.1	219.9	316.8	318.1	300.9	455.1	233.0	313.8
80+	500.1	463.2	801.8	418.9	498.2	513.7	460.9	799.2	379.2	501.8	504.6	462.5	799.2	381.7	499.4
All	153.4	87.1	102.1	58.3	132.3	124.6	82.9	57.8	55.3	105.3	140.3	84.7	73.8	56.7	118.9
OTHER															
0-19	49.6	57.6	23.1	23.7	50.6	48.2	56.7	22.3	21.2	48.7	48.9	57.2	22.8	22.3	49.7
20-29	50.5	57.1	25.9	26.2	51.6	49.1	55.4	25.2	23.3	48.9	49.7	56.0	25.4	23.8	50.0
30-39	72.3	79.7	40.3	40.1	72.5	68.6	77.6	39.2	36.0	69.8	70.1	78.3	39.6	37.7	70.9
40-49	99.0	107.0	62.4	61.1	99.3	98.3	104.7	61.1	54.9	97.6	98.6	105.6	61.4	57.3	98.3
50-59	158.2	169.2	111.0	106.8	158.0	157.1	162.3	109.2	96.7	156.4	157.5	165.0	110.2	101.8	157.1
60-64	231.1	236.8	175.2	165.8	230.2	218.1	233.3	173.4	151.5	217.4	223.3	235.0	174.3	155.8	222.7
65-69	287.7	286.7	242.7	226.1	285.8	281.6	285.6	241.3	205.8	279.2	284.8	286.1	241.3	215.6	282.6
70-79	380.0	383.9	366.4	336.1	378.8	377.5	385.7	362.3	306.0	374.5	379.0	384.9	362.5	320.2	377.0
80+	574.3	563.9	602.6	547.0	573.6	592.0	563.8	604.9	504.3	590.3	580.5	563.9	602.6	541.4	579.3
All	205.3	133.7	91.8	126.6	186.0	169.3	124.4	103.4	88.9	152.8	186.4	128.1	99.1	103.9	167.8
ALL															
0-19	44.7	50.6	22.6	17.8	44.9	42.4	48.0	20.9	18.8	42.6	43.6	49.3	21.7	18.3	43.8
20-29	48.5	46.3	28.7	17.3	45.8	52.1	48.8	25.9	19.2	48.1	50.5	47.8	26.7	18.5	47.1
30-39	92.9	68.9	51.4	30.7	80.8	88.4	70.6	46.4	30.3	78.2	90.5	69.8	48.1	30.5	79.4
40-49	126.5	95.1	79.2	57.7	112.5	128.5	101.3	81.5	48.5	112.0	127.5	98.4	80.8	52.1	112.2
50-59	200.8	163.6	149.8	111.8	185.5	208.2	172.3	171.1	99.7	190.4	204.3	168.4	160.6	105.9	187.9
60-64	286.3	239.0	223.6	182.7	270.7	284.6	246.0	261.9	171.8	267.8	285.5	243.2	243.7	177.3	269.3
65-69	337.2	276.1	292.7	237.5	322.8	348.5	292.5	322.1	231.8	326.4	342.2	285.8	307.0	234.0	324.5
70-79	421.0	355.7	433.7	319.7	410.2	455.6	393.8	440.7	316.1	437.8	434.8	377.1	437.7	318.0	421.9
80+	591.4	513.6	602.6	495.2	583.9	650.6	560.4	769.5	493.2	629.4	613.3	541.2	704.8	494.1	602.0
All	258.5	151.8	168.9	146.5	226.9	244.9	165.2	160.6	133.0	212.7	252.2	159.3	164.1	139.3	219.9

Age is determined on January 1 of each calendar year.

U.S. only; unknown age, gender, & race; other & unknown are excluded.

The 90 day rule has been applied.

Table H.6

Annual Death Rates: 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	16.4	21.9	12.4	14.1	18.6	20.3	29.7	15.3	19.3	22.6	18.3	24.5	13.8	16.7	20.4
20-29	15.9	20.0	12.7	13.5	16.5	18.6	25.8	14.8	17.5	20.4	17.3	23.9	14.8	16.2	18.7
30-39	25.4	30.5	21.4	21.2	25.9	28.1	36.9	23.7	26.2	29.3	26.6	33.8	22.3	24.2	27.4
40-49	40.8	45.4	35.6	33.1	41.1	42.2	52.5	37.4	38.7	43.1	41.3	48.1	36.5	35.1	41.9
50-59	68.9	73.7	64.6	55.7	69.2	70.9	80.1	64.3	62.6	72.5	69.6	76.4	64.4	58.1	70.4
60-64	95.6	95.9	94.7	76.5	94.9	91.1	98.8	88.9	80.4	92.7	94.0	97.2	92.4	78.2	94.1
65-69	124.1	116.5	128.4	97.8	121.0	113.0	117.4	116.0	97.5	113.5	120.1	116.9	122.9	97.7	118.3
70-79	176.4	155.2	190.2	134.5	171.0	148.9	145.5	161.4	127.6	147.7	168.8	151.1	178.3	132.8	163.7
80+	245.5	204.9	280.5	185.7	234.4	198.9	182.1	226.1	166.7	198.9	232.7	204.9	253.3	176.2	226.7
All	56.0	69.8	73.8	59.4	58.4	51.9	71.5	68.7	60.0	55.7	54.4	70.6	71.6	59.6	57.3
HYPERTENSION															
0-19	6.1	9.7	3.4	6.4	7.4	6.1	10.6	3.3	7.0	6.7	6.1	10.0	3.3	7.0	7.0
20-29	6.6	9.9	3.8	6.7	8.3	6.2	10.2	3.6	7.0	7.7	6.4	10.0	3.7	6.8	8.1
30-39	11.7	16.5	7.2	11.8	13.7	10.5	16.1	6.4	11.6	12.7	11.3	16.4	6.8	11.7	13.4
40-49	20.7	27.0	13.2	20.2	23.6	17.4	25.3	11.1	19.0	21.0	19.6	26.4	12.4	19.7	22.8
50-59	39.0	49.6	26.6	38.3	43.7	31.7	43.7	21.3	34.0	36.6	36.4	47.8	24.8	36.1	41.2
60-64	60.9	70.9	43.1	57.7	64.4	46.1	60.0	32.6	48.6	51.3	55.6	67.0	39.0	53.9	59.6
65-69	87.6	96.4	65.2	81.4	89.7	62.1	76.3	46.9	65.6	67.2	78.6	87.7	54.2	74.7	81.1
70-79	132.9	142.4	106.7	125.2	134.4	93.3	106.4	72.9	95.1	97.4	120.5	125.1	89.8	112.7	121.2
80+	208.8	206.6	174.4	190.5	207.7	137.1	147.9	113.0	137.7	138.2	188.9	198.2	143.7	190.5	190.7
All	46.7	42.8	22.9	37.4	44.4	34.9	41.4	18.0	32.7	37.1	42.6	42.3	20.9	35.3	41.9
GLOMERULONEPHRITIS															
0-19	4.6	6.3	4.3	2.9	4.9	5.1	7.5	4.7	3.6	5.4	4.8	6.8	4.5	3.3	5.1
20-29	5.1	6.6	5.0	3.2	5.3	5.3	7.5	5.2	3.7	5.7	5.2	6.9	5.1	3.4	5.5
30-39	9.3	11.2	9.6	5.7	9.5	9.3	12.3	9.5	6.3	9.7	9.3	11.6	9.6	6.0	9.6
40-49	16.8	19.1	18.3	10.3	16.8	15.9	19.7	17.1	10.6	16.0	16.5	19.3	17.8	10.4	16.5
50-59	33.4	35.6	37.9	19.7	33.0	29.4	34.9	33.7	19.6	29.4	32.0	35.3	36.0	19.7	31.7
60-64	52.8	53.4	63.2	30.7	51.8	45.0	50.0	53.2	29.0	44.5	50.2	52.0	60.2	30.0	49.2
65-69	77.6	74.5	98.5	45.2	76.4	63.1	65.8	78.9	40.1	63.1	72.7	70.8	86.5	43.3	71.7
70-79	125.2	112.2	166.4	71.0	121.9	95.3	94.2	126.6	60.0	93.7	115.2	105.2	154.9	67.4	112.4
80+	199.5	169.7	280.3	111.8	198.1	145.3	134.7	202.0	89.7	143.1	184.8	146.4	241.1	100.7	181.1
All	28.2	22.8	28.3	14.8	26.7	22.7	22.5	24.3	13.7	22.0	26.2	22.7	26.5	14.3	24.9
OTHER															
0-19	5.3	8.1	2.4	3.3	5.7	5.7	9.6	2.6	3.9	6.1	5.5	8.5	2.5	3.5	5.9
20-29	5.7	8.3	2.7	3.5	6.0	5.9	9.3	2.8	3.9	6.3	5.8	8.8	2.7	3.7	6.1
30-39	10.3	14.0	5.2	6.1	10.6	10.2	14.9	4.9	6.6	10.8	10.2	14.5	5.1	6.4	10.7
40-49	18.3	23.2	9.6	10.6	18.6	16.9	23.4	8.7	10.8	17.6	17.7	23.3	9.2	10.7	18.1
50-59	35.7	42.6	19.5	20.4	36.0	30.0	40.3	16.8	19.5	30.8	33.1	41.5	18.3	19.8	33.5
60-64	54.1	62.3	31.7	31.0	54.2	44.8	55.5	26.0	28.2	45.4	49.8	59.3	28.7	29.8	50.1
65-69	78.5	86.2	48.5	44.1	78.0	61.9	72.8	37.7	38.0	62.2	70.9	79.9	46.4	40.9	70.8
70-79	124.0	125.4	80.3	68.0	122.9	92.3	101.7	58.9	55.7	91.7	109.3	114.6	75.9	60.0	108.4
80+	193.8	184.9	131.8	104.6	189.3	137.5	142.5	92.2	81.6	137.8	171.3	167.9	112.0	104.6	169.3
All	29.1	30.7	14.0	15.5	28.8	25.3	29.2	10.7	15.0	25.3	27.4	30.0	12.6	15.2	27.2
ALL															
0-19	5.2	7.8	2.9	3.2	5.6	5.6	9.1	3.4	3.8	6.0	5.4	8.2	3.1	3.5	5.8
20-29	6.0	8.3	3.6	3.8	6.4	6.6	10.2	4.5	4.2	7.2	6.3	9.1	4.0	3.9	6.7
30-39	13.8	15.8	9.7	7.5	13.9	14.7	18.2	9.2	8.5	15.0	14.2	16.9	9.5	8.0	14.4
40-49	24.7	27.0	18.7	14.9	24.6	24.0	27.0	19.2	13.7	23.9	24.4	27.0	18.9	14.3	24.3
50-59	44.0	50.6	45.5	29.5	44.8	38.2	49.9	43.4	26.1	39.9	41.7	50.3	44.6	27.8	42.8
60-64	63.4	73.2	70.5	45.7	64.6	53.3	69.2	59.6	43.2	56.0	59.4	71.5	66.0	44.6	61.2
65-69	87.8	97.0	97.2	67.5	88.7	69.8	83.7	90.1	56.9	72.2	80.7	91.3	94.0	62.9	82.0
70-79	132.8	136.0	155.6	94.9	132.2	97.4	111.3	135.9	70.4	98.8	119.3	124.9	148.5	84.1	119.1
80+	200.6	197.2	216.8	133.2	198.2	140.1	140.4	158.3	118.9	140.2	180.0	179.4	187.5	133.2	179.0
All	36.6	39.3	37.5	24.4	36.6	31.0	38.3	33.4	20.9	31.9	34.3	38.9	35.7	22.7	34.7

Age is determined on January 1 of each calendar year.
 U.S. only; unknown age, gender, & race; other & unknown are excluded.
 The 90 day rule has been applied.

Table H.7

Standardized Mortality Ratios: by State & Territory*based on 2000 rates, & adjusted for age on January 1, race, gender, & diabetic status*

	1998-2000	1998	1999	2000
Alabama	1.04	1.04	1.11	0.98
Alaska	1.24	0.96	1.36	1.55
Arizona	0.97	0.96	0.97	0.98
Arkansas	1.24	1.21	1.24	1.26
California	0.96	0.95	0.97	0.96
Colorado	0.88	0.91	0.88	0.87
Connecticut	0.93	0.93	0.93	0.91
Delaware	0.99	0.98	1.00	1.00
District of Columbia	1.05	1.17	0.96	1.03
Florida	1.06	1.04	1.05	1.08
Georgia	1.05	0.99	1.06	1.09
Hawaii	1.12	1.11	1.19	1.07
Idaho	1.00	1.08	0.77	1.15
Illinois	1.02	1.02	1.05	0.99
Indiana	1.02	1.02	1.02	1.01
Iowa	0.95	0.96	1.01	0.90
Kansas	1.00	1.03	0.98	0.99
Kentucky	1.18	1.15	1.25	1.13
Louisiana	1.15	1.15	1.17	1.15
Maine	0.88	0.83	0.89	0.92
Maryland	1.10	1.11	1.08	1.13
Massachusetts	0.98	0.94	0.99	1.01
Michigan	1.07	1.01	1.14	1.05
Minnesota	0.90	0.94	0.88	0.89
Mississippi	1.02	1.00	1.04	1.02
Missouri	1.05	1.04	1.05	1.06
Montana	0.90	0.97	0.86	0.89
Nebraska	1.06	1.01	1.10	1.06
Nevada	1.22	1.16	1.19	1.30
New Hampshire	1.06	1.11	1.07	1.01
New Jersey	1.07	1.05	1.07	1.08
New Mexico	0.77	0.76	0.87	0.68
New York	0.96	0.96	0.96	0.97
North Carolina	1.07	1.05	1.11	1.04
North Dakota	1.04	0.96	1.02	1.12
Ohio	1.06	1.03	1.09	1.07
Oklahoma	1.14	1.19	1.15	1.10
Oregon	1.05	0.99	1.11	1.04
Pennsylvania	1.03	1.02	1.05	1.03
Rhode Island	0.99	0.94	1.00	1.03
South Carolina	1.09	1.10	1.08	1.10
South Dakota	0.96	0.90	0.95	1.01
Tennessee	1.08	1.08	1.14	1.02
Texas	0.90	0.91	0.90	0.89
Utah	0.99	1.01	1.10	0.88
Vermont	0.78	0.76	0.80	0.77
Virginia	1.01	0.97	1.04	1.00
Washington	1.01	0.95	1.04	1.05
West Virginia	1.16	1.19	1.16	1.13
Wisconsin	1.01	1.00	0.95	1.08
Wyoming	0.83	0.93	0.80	0.77
American Samoa	1.30	2.23	0.62	1.13
Guam	1.17	1.46	0.99	1.10
Puerto Rico & Virgin Islands	1.16	1.18	1.19	1.11
Saipan	0.75	0.58	0.95	0.70

Table H.8
Death Rates by Primary Cause of Death: ESRD Patients
rates per 1,000 patient years at risk, period prevalent patients, 1998-2000 combined

	0-19		20-44				45-64					
	All	Male	Female	White	Black	All	Male	Female	White	Black	All	
Acute M.I.	0.16	3.43	2.74	3.26	3.12	3.14	12.84	11.98	13.46	11.14	12.46	
Hyperkalemia	0.11	1.29	1.17	1.17	1.42	1.24	1.51	1.86	1.99	1.16	1.66	
Pericarditis	0.11	0.12	0.07	0.08	0.12	0.10	0.22	0.18	0.20	0.21	0.20	
Atherosclerotic H.D.	0.05	0.58	0.58	0.70	0.40	0.58	3.17	3.27	3.82	2.45	3.21	
Cardiomyopathy	0.32	1.06	1.06	0.87	1.43	1.06	4.20	3.43	4.43	3.23	3.86	
Cardiac arrhythmia	0.68	2.33	2.44	2.15	2.93	2.38	6.63	6.60	7.04	6.11	6.61	
Cardiac arrest	2.84	10.28	10.96	8.85	14.26	10.57	26.35	28.16	26.22	29.27	27.15	
Valvular heart disease	0.05	0.40	0.37	0.34	0.51	0.39	0.58	0.82	0.66	0.75	0.68	
Pulmonary edema	0.16	0.44	0.38	0.33	0.57	0.42	0.89	1.16	1.08	0.90	1.01	
AIDS	0.21	2.22	1.63	0.26	5.20	1.97	0.69	0.34	0.10	1.31	0.54	
Cachexia	.	0.26	0.39	0.38	0.23	0.31	0.76	0.98	1.00	0.67	0.86	
Cerebrovascular disease	1.11	2.64	3.40	2.58	3.68	2.96	5.90	8.85	6.64	7.95	7.20	
G.I. hemorrhage	0.21	0.32	0.34	0.24	0.51	0.33	1.03	1.03	0.87	1.20	1.03	
Other hemorrhage	0.42	0.79	0.95	0.64	1.27	0.86	1.01	1.33	0.88	1.59	1.15	
Septicemia	2.16	5.39	7.75	5.42	8.17	6.39	14.07	19.26	15.46	18.12	16.35	
Pulmonary infection	0.21	1.08	0.78	0.85	1.23	0.95	2.28	2.01	2.40	1.72	2.16	
Viral infection	0.21	0.20	0.17	0.14	0.27	0.19	0.24	0.21	0.22	0.22	0.23	
Other infection	0.42	0.33	0.41	0.35	0.44	0.37	0.65	0.95	0.86	0.72	0.78	
Malignant disease	0.58	1.08	1.05	1.22	0.86	1.06	4.80	4.55	5.09	4.48	4.69	
Other cause	6.27	14.32	14.67	14.48	15.51	14.47	31.90	31.57	35.33	28.19	31.76	
Unknown cause	1.53	5.07	4.99	3.72	7.51	5.03	10.10	9.96	9.10	11.86	10.04	
All	17.80	53.62	56.29	48.02	69.62	54.75	129.81	138.50	136.85	133.26	133.63	
Years at risk	18,993	143,914	105,204	146,409	84,076	249,117	225,863	177,072	225,593	145,585	402,936	
Patients	20,974	159,199	116,521	159,997	95,006	275,720	264,712	210,274	267,030	170,798	474,986	

	65+		All									
	Male	Female	White	Black	All	Male	Female	White	Black	N. Am.	Asian	All
Acute M.I.	30.19	26.36	30.47	23.96	28.27	15.30	14.80	16.67	12.65	13.29	13.07	15.08
Hyperkalemia	5.08	5.40	6.68	2.33	5.24	2.49	2.94	3.40	1.55	2.57	2.13	2.70
Pericarditis	0.31	0.31	0.30	0.37	0.31	0.21	0.20	0.20	0.23	0.44	0.10	0.21
Atherosclerotic H.D.	13.95	12.69	15.84	8.71	13.32	5.66	5.98	7.21	3.71	4.51	3.83	5.81
Cardiomyopathy	17.27	11.74	17.49	8.69	14.51	7.21	5.82	8.07	4.31	4.64	4.77	6.58
Cardiac arrhythmia	17.72	15.47	18.50	13.44	16.59	8.70	8.73	9.74	7.34	6.65	6.50	8.71
Cardiac arrest	69.81	69.79	70.95	68.41	69.80	34.66	38.73	37.22	36.43	32.98	32.11	36.51
Valvular heart disease	1.92	2.17	2.39	1.53	2.05	0.93	1.19	1.18	0.91	0.56	0.58	1.05
Pulmonary edema	2.84	3.33	3.82	1.63	3.09	1.34	1.74	1.84	1.02	1.69	0.79	1.52
AIDs	0.09	0.06	<0.05	0.22	0.07	0.90	0.54	0.11	1.98	0.19	<0.05	0.74
Cachexia	3.79	4.29	4.91	2.49	4.04	1.52	2.02	2.21	1.08	1.19	1.12	1.75
Cerebrovascular disease	14.55	20.37	17.56	17.33	17.46	7.53	11.61	9.37	9.49	10.03	8.45	9.38
G.I. hemorrhage	2.70	2.80	2.74	2.63	2.75	1.32	1.50	1.36	1.43	1.07	1.98	1.40
Other hemorrhage	2.55	2.91	2.79	2.63	2.73	1.40	1.80	1.49	1.79	0.88	1.52	1.58
Septicemia	32.06	38.37	33.85	38.55	35.22	16.92	23.19	19.19	21.27	19.69	14.24	19.77
Pulmonary infection	10.87	7.56	10.25	6.37	9.21	4.49	3.69	4.74	2.92	5.27	4.67	4.13
Viral infection	0.41	0.31	0.35	0.36	0.36	0.28	0.24	0.25	0.27	0.25	0.30	0.26
Other infection	1.40	1.72	1.62	1.53	1.56	0.79	1.09	0.99	0.88	0.50	0.71	0.93
Malignant disease	15.31	10.18	13.81	11.84	12.75	6.89	5.70	7.11	5.64	3.51	3.17	6.35
Other cause	76.10	76.14	87.03	57.51	76.12	39.97	43.29	47.80	33.14	31.35	25.51	41.48
Unknown cause	23.08	23.73	24.07	23.67	23.41	12.48	13.63	12.89	14.03	14.80	5.64	13.00
All	342.00	335.71	365.42	294.18	338.85	170.99	188.42	193.04	162.07	156.06	131.24	178.92
Years at risk	163,334	163,296	210,086	95,031	326,630	544,215	453,460	594,996	328,998	15,949	39,393	997,676
Patients	220,170	218,398	289,187	121,693	438,568	656,231	554,017	730,330	392,351	18,865	46,364	1,210,248

Age is determined on January 1 of each calendar year.
 All category includes patients of other & unknown races.
 U.S. only; unknown age, gender, & race; other & unknown are excluded.
 "." Zero values in this cell.

Table H.9

Death Rates by Primary Cause of Death: Dialysis Patients

rates per 1,000 patient years at risk, period prevalent patients, 1998-2000 combined

	0-19		20-44			45-64					
	All	Male	Female	White	Black	All	Male	Female	White	Black	All
Acute M.I.	0.48	5.89	4.69	7.11	4.06	5.38	18.09	15.92	21.2	12.92	17.09
Hyperkalemia	0.32	2.44	2.17	2.92	1.88	2.33	2.25	2.57	3.35	1.38	2.4
Pericarditis	0.32	0.23	0.13	0.21	0.16	0.18	0.32	0.23	0.31	0.25	0.28
Atherosclerotic H.D.	0.16	1.02	1.06	1.64	0.54	1.03	4.61	4.46	6.26	2.88	4.54
Cardiomyopathy	0.96	1.91	1.97	2.06	1.88	1.93	6.13	4.64	7.22	3.82	5.44
Cardiac arrhythmia	1.44	4.18	4.48	5.11	3.8	4.31	9.65	8.89	11.53	7.08	9.3
Cardiac arrest	7.04	18.65	19.89	20.99	18.59	19.17	38.72	38.12	43.05	34.42	38.44
Valvular heart disease	0.16	0.72	0.67	0.79	0.67	0.7	0.85	1.11	1.09	0.88	0.97
Pulmonary edema	0.32	0.83	0.69	0.79	0.75	0.77	1.31	1.55	1.78	1.06	1.42
AIDS	0.64	4.24	3.13	0.65	6.96	3.77	1.05	0.48	0.17	1.57	0.79
Cachexia	.	0.45	0.71	0.9	0.3	0.56	1.13	1.36	1.67	0.81	1.24
Cerebrovascular disease	2.24	4.72	5.99	5.86	4.76	5.25	8.53	11.91	10.67	9.35	10.08
G.I. hemorrhage	0.64	0.59	0.58	0.56	0.64	0.59	1.5	1.38	1.39	1.43	1.44
Other hemorrhage	1.12	1.38	1.66	1.39	1.63	1.49	1.39	1.72	1.33	1.81	1.54
Septicemia	5.28	9.69	13.83	12.66	10.62	11.44	20.41	25.84	24.97	21.21	22.9
Pulmonary infection	0.48	1.67	1.24	1.66	1.47	1.49	3.01	2.5	3.53	1.9	2.77
Viral infection	0.32	0.36	0.24	0.25	0.35	0.31	0.26	0.21	0.23	0.21	0.24
Other infection	1.12	0.51	0.73	0.76	0.53	0.6	0.91	1.24	1.33	0.84	1.06
Malignant disease	0.96	1.59	1.64	2.32	1.01	1.61	6.22	5.73	7.25	5.05	6
Other cause	11.2	17.94	18.29	20.53	16.91	18.09	32.59	34.05	40.78	26.89	33.26
Unknown cause	3.84	8.98	8.72	8.43	9.57	8.87	14.02	13.27	14.15	13.61	13.68
All	39.03	87.98	92.47	97.61	87.08	89.88	172.94	177.16	203.24	149.39	174.88
Years at risk	6,251	74,850	54,959	56,787	62,622	129,809	148,968	126,913	132,073	121,283	275,882
Patients	8,549	92,721	68,037	72,896	74,987	160,758	189,612	161,325	175,132	147,559	350,937

	65+					All						
	Male	Female	White	Black	All	Male	Female	White	Black	N. Am.	Asian	All
Acute M.I.	32.81	27.84	33.18	24.84	30.28	21.32	19.36	24.89	14.74	16.46	18.14	20.39
Hyperkalemia	5.59	5.71	7.35	2.43	5.65	3.59	3.91	5.25	1.83	3.21	2.98	3.74
Pericarditis	0.33	0.33	0.33	0.37	0.33	0.3	0.26	0.3	0.27	0.48	0.14	0.28
Atherosclerotic H.D.	15.28	13.47	17.37	9.07	14.36	8.06	7.96	11.05	4.36	5.62	5.42	8.01
Cardiomyopathy	18.98	12.44	19.2	9.06	15.65	10.31	7.72	12.36	5.08	5.94	6.75	9.08
Cardiac arrhythmia	19.41	16.41	20.29	13.97	17.88	12.34	11.52	14.85	8.56	8.43	9.12	11.95
Cardiac arrest	76.44	73.96	77.78	71.04	75.18	49.31	51.16	56.74	42.69	41.84	44.94	50.19
Valvular heart disease	2.09	2.29	2.62	1.55	2.19	1.31	1.57	1.8	1.05	0.72	0.83	1.43
Pulmonary edema	3.09	3.51	4.15	1.69	3.3	1.91	2.29	2.8	1.19	2.17	1.11	2.09
AIDS	0.09	0.07	<0.05	0.23	0.08	1.3	0.72	0.16	2.35	0.24	<0.05	1.03
Cachexia	4.17	4.55	5.4	2.6	4.37	2.19	2.69	3.4	1.28	1.53	1.58	2.43
Cerebrovascular disease	15.86	21.51	19.12	17.99	18.73	10.6	15.22	14.08	11.1	12.77	11.85	12.79
G.I. hemorrhage	2.95	2.96	2.99	2.73	2.95	1.88	1.96	2.05	1.67	1.28	2.8	1.92
Other hemorrhage	2.75	3.08	3.03	2.7	2.92	1.92	2.32	2.19	2.05	1.12	2.08	2.11
Septicemia	34.88	40.47	36.84	39.93	37.72	23.84	30.36	28.87	24.83	24.41	19.76	26.93
Pulmonary infection	11.71	7.95	11.08	6.56	9.8	6.16	4.75	6.98	3.32	6.26	6.32	5.49
Viral infection	0.38	0.31	0.33	0.35	0.35	0.33	0.26	0.28	0.29	0.32	0.36	0.3
Other infection	1.49	1.8	1.72	1.59	1.64	1.06	1.4	1.44	1.02	0.56	0.93	1.22
Malignant disease	16.39	10.61	14.77	12.2	13.45	9.27	7.24	10.2	6.46	4.18	4.13	8.3
Other cause	76.4	77.36	89.09	56.87	76.89	46.75	50.97	61.56	34.36	34.53	28.81	48.75
Unknown cause	24.94	25.08	26.14	24.46	25.01	17.23	17.82	19.18	16.19	18.23	7.65	17.51
All	366.05	351.68	392.79	302.23	358.74	230.97	241.45	280.44	184.72	190.34	175.77	235.94
Years at risk	148,134	153,482	190,509	91,095	301,615	375,262	338,295	382,758	277,122	12,451	27,837	713,557
Patients	204,869	208,521	269,428	117,772	413,390	491,716	441,918	522,210	343,118	15,499	35,271	933,634

Age is determined on January 1 of each calendar year.

All category includes patients of other & unknown races.

U.S. only; unknown age, gender, & race; other & unknown are excluded.

"." Zero values in this cell.

Table H.10
Death Rates by Primary Cause of Death: Hemodialysis Patients
rates per 1,000 patient years at risk, period prevalent patients, 1998-2000 combined

	0-19	20-44				45-64					
	All	Male	Female	White	Black	All	Male	Female	White	Black	All
Acute M.I.	0.29	5.74	5.04	7.33	4.16	5.46	17.36	15.62	20.66	12.68	16.57
Hyperkalemia	0.58	2.53	2.46	3.17	2.02	2.50	2.32	2.64	3.51	1.41	2.46
Pericarditis	0.29	0.25	0.12	0.23	0.16	0.20	0.32	0.25	0.34	0.25	0.29
Atherosclerotic H.D.	0.29	0.87	1.06	1.52	0.53	0.95	4.34	4.33	6.04	2.81	4.34
Cardiomyopathy	1.16	1.90	1.98	2.13	1.85	1.93	5.68	4.43	6.73	3.72	5.11
Cardiac arrhythmia	1.75	4.23	4.83	5.36	3.94	4.47	9.64	8.56	11.56	6.93	9.15
Cardiac arrest	7.28	18.85	21.06	22.09	18.90	19.74	38.54	38.36	43.58	34.13	38.46
Valvular heart disease	0.29	0.73	0.78	0.90	0.67	0.75	0.90	1.12	1.15	0.90	1.00
Pulmonary edema	0.29	0.86	0.71	0.81	0.78	0.80	1.32	1.59	1.84	1.08	1.44
AIDS	1.16	4.49	3.73	0.75	7.31	4.18	1.11	0.49	0.17	1.61	0.83
Cachexia	.	0.34	0.67	0.70	0.31	0.47	1.03	1.30	1.59	0.76	1.15
Cerebrovascular disease	3.20	4.88	6.01	6.13	4.65	5.34	8.61	11.77	10.56	9.36	10.05
G.I. hemorrhage	0.29	0.55	0.67	0.63	0.60	0.59	1.44	1.35	1.38	1.36	1.40
Other hemorrhage	1.16	1.39	1.82	1.49	1.65	1.56	1.45	1.79	1.34	1.91	1.60
Septicemia	4.66	9.25	13.26	11.76	10.38	10.87	19.50	24.43	23.59	20.31	21.74
Pulmonary infection	0.58	1.75	1.15	1.63	1.53	1.51	3.03	2.52	3.62	1.94	2.80
Viral infection	0.29	0.41	0.25	0.25	0.40	0.34	0.25	0.21	0.22	0.24	0.23
Other infection	1.16	0.50	0.64	0.70	0.49	0.56	0.77	1.22	1.21	0.79	0.98
Malignant disease	0.87	1.61	1.84	2.53	1.05	1.70	6.55	5.91	7.77	5.20	6.26
Other cause	11.06	18.10	19.04	21.55	17.08	18.48	32.03	33.60	40.56	26.55	32.75
Unknown cause	2.62	9.32	9.44	9.05	9.87	9.37	13.91	13.34	14.29	13.35	13.65
All	39.29	88.53	96.56	100.70	88.35	91.77	170.12	174.82	201.70	147.26	172.26
Years at risk	3,436	64,135	43,444	44,220	55,022	107,579	130,734	109,555	110,336	110,563	240,289
Patients	4,746	79,194	53,815	56,679	65,967	133,009	165,771	138,886	146,068	134,266	304,657

	65+					All						
	Male	Female	White	Black	All	Male	Female	White	Black	N. Am.	Asian	All
Acute M.I.	32.26	27.54	32.73	24.62	29.84	21.07	19.69	25.06	14.86	15.95	18.98	20.41
Hyperkalemia	5.71	5.90	7.66	2.51	5.80	3.72	4.16	5.61	1.91	3.32	3.23	3.93
Pericarditis	0.34	0.32	0.33	0.38	0.33	0.31	0.26	0.31	0.28	0.45	0.08	0.29
Atherosclerotic H.D.	14.79	13.19	17.00	8.91	13.97	7.89	8.07	11.13	4.39	5.20	5.70	7.97
Cardiomyopathy	17.58	11.74	17.93	8.70	14.58	9.75	7.55	11.93	5.01	5.65	6.83	8.71
Cardiac arrhythmia	19.00	16.22	20.06	13.69	17.57	12.34	11.65	15.12	8.57	8.07	9.68	12.01
Cardiac arrest	76.40	73.75	77.83	70.85	75.04	49.92	52.58	58.38	43.28	43.46	46.27	51.18
Valvular heart disease	2.12	2.28	2.67	1.52	2.20	1.36	1.62	1.91	1.06	0.72	0.84	1.48
Pulmonary edema	3.12	3.44	4.18	1.67	3.28	1.96	2.34	2.92	1.21	2.42	1.05	2.14
AIDS	0.10	0.07	<0.05	0.23	0.08	1.35	0.77	0.17	2.38	0.27	<0.05	1.08
Cachexia	4.00	4.19	5.13	2.48	4.10	2.10	2.58	3.31	1.25	1.34	1.42	2.33
Cerebrovascular disease	15.62	21.07	18.68	17.89	18.42	10.70	15.33	14.15	11.23	13.53	12.53	12.89
G.I. hemorrhage	2.95	2.94	2.98	2.74	2.94	1.87	2.00	2.11	1.66	1.25	2.77	1.93
Other hemorrhage	2.86	3.15	3.17	2.72	3.01	2.01	2.44	2.31	2.13	1.16	2.14	2.21
Septicemia	33.96	39.05	35.39	39.24	36.57	23.29	29.69	28.07	24.55	23.66	19.95	26.31
Pulmonary infection	11.70	7.80	11.06	6.49	9.70	6.29	4.84	7.23	3.40	6.72	6.37	5.60
Viral infection	0.39	0.30	0.33	0.36	0.35	0.34	0.26	0.28	0.31	0.36	0.38	0.30
Other infection	1.36	1.57	1.54	1.47	1.47	0.96	1.30	1.32	0.96	0.45	0.80	1.12
Malignant disease	16.71	10.69	15.04	12.32	13.62	9.69	7.57	10.82	6.72	4.03	4.27	8.69
Other cause	75.90	76.06	88.71	56.33	75.98	47.01	51.67	63.01	34.60	35.04	29.04	49.21
Unknown cause	25.21	25.27	26.43	24.59	25.24	17.54	18.42	19.87	16.38	19.36	8.34	17.96
All	362.08	346.54	388.85	299.70	354.10	231.47	244.80	285.02	186.13	192.40	180.70	237.76
Years at risk	134,438	141,710	170,913	86,999	276,148	331,159	296,293	327,110	253,971	11,159	23,862	627,451
Patients	185,340	191,811	241,153	112,178	377,151	432,845	386,718	446,236	314,252	13,884	30,263	819,563

Age is determined on January 1 of each calendar year.
 All category includes patients of other & unknown races.
 U.S. only; unknown age, gender, & race; other & unknown are excluded.
 "." Zero values in this cell.

Table H.11

Death Rates by Primary Cause of Death: CAPD/CCPD Patients

rates per 1,000 patient years at risk, period prevalent patients, 1998-2000 combined

	0-19		20-44			45-64					
	All	Male	Female	White	Black	All	Male	Female	White	Black	All
Acute M.I.	0.87	7.51	3.50	6.98	3.34	5.39	24.71	18.27	25.01	16.24	21.51
Hyperkalemia	.	2.02	0.80	1.98	0.76	1.37	1.76	2.19	2.58	0.99	1.98
Pericarditis	0.44	0.11	0.20	0.19	0.15	0.16	0.26	0.07	0.11	0.22	0.16
Atherosclerotic H.D.	.	2.02	1.00	2.17	0.61	1.48	6.86	5.58	7.83	3.51	6.23
Cardiomyopathy	0.87	2.24	1.70	1.98	1.97	1.96	9.41	6.18	9.98	4.50	7.81
Cardiac arrhythmia	1.31	4.03	3.00	4.62	2.12	3.49	10.20	10.96	11.75	8.45	10.58
Cardiac arrest	7.86	18.49	16.60	18.57	17.13	17.49	41.64	36.40	41.21	37.97	39.04
Valvular heart disease	.	0.67	0.20	0.38	0.61	0.42	0.59	1.00	0.75	0.88	0.79
Pulmonary edema	0.44	0.78	0.70	0.85	0.61	0.74	1.31	1.33	1.61	0.77	1.32
AIDS	.	2.80	0.80	0.38	4.25	1.74	0.65	0.33	0.16	1.21	0.49
Cachexia	.	1.23	1.00	1.79	0.30	1.11	1.90	1.93	2.31	1.21	1.91
Cerebrovascular disease	1.31	4.15	5.90	5.00	5.91	5.07	7.91	13.15	11.65	9.22	10.51
G.I. hemorrhage	1.31	1.01	0.30	0.38	1.06	0.63	1.96	1.53	1.40	2.52	1.75
Other hemorrhage	0.44	1.46	0.80	1.04	1.36	1.11	0.85	1.20	1.18	0.66	1.02
Septicemia	6.98	13.67	16.50	17.25	12.74	15.17	27.91	35.87	33.22	31.27	31.86
Pulmonary infection	0.44	1.34	1.60	1.98	0.91	1.48	2.81	2.39	3.06	1.32	2.60
Viral infection	0.44	0.11	0.20	0.28	.	0.16	0.33	0.27	0.32	.	0.30
Other infection	1.31	0.56	1.00	0.94	0.76	0.79	1.83	1.46	1.88	1.43	1.65
Malignant disease	1.31	1.34	0.80	1.51	0.61	1.06	3.60	4.25	4.45	3.18	3.92
Other cause	11.79	16.48	15.60	16.59	16.07	16.01	33.47	36.00	39.87	28.42	34.72
Unknown cause	4.37	7.17	6.20	6.79	7.43	6.66	15.17	13.02	14.17	16.02	14.10
All	41.47	89.22	78.38	91.65	78.70	83.49	195.13	193.35	214.50	169.98	194.25
Years at risk	2,291	8,922	10,002	10,606	6,595	18,924	15,298	15,055	18,634	9,113	30,353
Patients	3,168	11,360	12,412	13,860	7,805	23,772	19,983	19,400	24,932	11,193	39,383

	65+					All						
	All	Male	Female	White	Black	All	Male	Female	White	Black	Asian	All
Acute M.I.	39.35	32.39	38.07	30.95	36.23	24.31	17.18	24.67	13.71	21.78	12.82	20.81
Hyperkalemia	3.99	3.26	4.31	0.32	3.66	2.46	2.01	2.96	0.77	2.61	1.19	2.23
Pericarditis	0.27	0.33	0.25	0.32	0.29	0.22	0.20	0.17	0.21	0.87	0.60	0.21
Atherosclerotic H.D.	20.65	18.04	21.59	12.90	19.48	9.71	7.35	11.03	3.92	9.58	3.58	8.55
Cardiomyopathy	34.75	22.18	32.08	18.70	29.10	15.17	8.93	15.46	5.77	9.58	5.07	12.10
Cardiac arrhythmia	23.84	18.48	22.53	19.67	21.43	12.63	10.34	13.49	7.89	12.20	5.96	11.51
Cardiac arrest	74.19	75.55	75.33	74.48	74.80	44.83	40.20	46.80	35.83	27.00	33.09	42.55
Valvular heart disease	1.95	2.50	2.43	1.61	2.20	1.01	1.13	1.22	0.88	0.87	0.60	1.07
Pulmonary edema	2.13	4.67	3.56	2.26	3.27	1.42	1.98	2.06	0.98	.	1.49	1.69
AIDS	0.09	.	.	0.32	<0.05	0.98	0.37	0.15	2.06	.	.	0.68
Cachexia	6.38	9.89	8.42	5.80	7.96	3.06	3.67	4.22	1.60	3.48	2.68	3.36
Cerebrovascular disease	18.97	28.81	24.40	19.99	23.39	10.20	14.78	14.20	9.59	6.10	7.75	12.45
G.I. hemorrhage	2.75	3.48	3.12	1.93	3.08	1.94	1.70	1.73	1.91	1.74	2.98	1.82
Other hemorrhage	1.42	1.85	1.50	1.93	1.61	1.17	1.21	1.24	1.08	0.87	1.49	1.19
Septicemia	45.29	63.48	52.73	59.00	53.46	29.11	36.67	35.43	28.61	32.23	18.78	32.82
Pulmonary infection	11.26	8.48	10.36	7.42	10.01	4.99	3.67	5.23	2.17	1.74	5.66	4.34
Viral infection	0.27	0.43	0.37	0.32	0.34	0.27	0.28	0.34	0.05	.	0.30	0.28
Other infection	2.75	4.67	3.43	3.87	3.61	1.83	2.12	2.18	1.60	1.74	1.49	1.97
Malignant disease	12.41	9.13	11.61	9.99	10.94	5.67	4.46	6.15	3.35	4.36	2.38	5.08
Other cause	73.21	86.42	84.75	57.71	79.14	40.73	42.72	49.13	28.46	25.26	24.44	41.71
Unknown cause	22.07	22.50	23.15	20.63	22.26	14.98	13.31	15.23	13.61	8.71	3.58	14.16
All	397.98	416.54	423.99	350.14	406.32	226.69	214.26	253.10	164.05	170.73	135.94	220.58
Years at risk	11,282	9,200	16,024	3,102	20,482	36,653	35,397	46,690	19,397	1,148	3,355	72,050
Patients	15,718	12,798	22,621	4,127	28,516	48,656	46,183	63,444	23,904	1,423	4,176	94,839

Age is determined on January 1 of each calendar year.

All category includes patients of other & unknown races.

U.S. only; unknown age, gender, & race; other & unknown are excluded.

"." Zero values in this cell.

Table H.12
Death Rates by Primary Cause of Death: Transplant Patients
rates per 1,000 patient years at risk, period prevalent patients, 1998-2000 combined

	0-19					20-44					45-64					
	All	Male	Female	White	Black	All	Male	Female	White	Black	All	Male	Female	White	Black	All
Acute M.I.	.	0.74	0.55	0.77	0.36	0.66	2.42	1.81	2.28	2.08	2.18					
Hyperkalemia	.	<0.05	0.08	0.06	0.05	0.05	<0.05	0.08	<0.05	0.09	0.06					
Pericarditis	.	.	.	.	.	.	<0.05	0.06	<0.05	.	<0.05					
Atherosclerotic H.D.	.	0.09	0.06	0.09	.	0.08	0.34	0.27	0.34	0.35	0.32					
Cardiomyopathy	.	0.14	0.06	0.11	0.10	0.11	0.44	0.34	0.47	0.22	0.40					
Cardiac arrhythmia	0.25	0.32	0.21	0.27	0.41	0.28	0.67	0.74	0.64	1.11	0.70					
Cardiac arrest	0.67	1.06	1.14	1.07	1.42	1.09	2.27	2.57	2.26	3.23	2.39					
Valvular heart disease	.	0.06	<0.05	0.06	0.05	0.05	0.05	0.08	0.07	0.09	0.07					
Pulmonary edema	.	<0.05	<0.05	<0.05	0.05	<0.05	0.05	0.17	0.09	0.09	0.10					
AIDS	.	<0.05	.	<0.05	0.05	<0.05	.	.	.	.	.
Cachexia	.	<0.05	<0.05	0.06	.	<0.05	<0.05	<0.05	<0.05	.	<0.05					
Cerebrovascular disease	0.42	0.32	0.55	0.46	0.41	0.42	0.71	1.05	0.87	0.89	0.85					
G.I. hemorrhage	.	<0.05	<0.05	<0.05	0.10	<0.05	0.10	0.15	0.13	<0.05	0.12					
Other hemorrhage	0.08	0.11	0.13	0.12	0.15	0.12	0.22	0.25	0.21	0.31	0.23					
Septicemia	0.42	0.66	1.07	0.77	0.96	0.83	1.53	2.23	1.73	2.30	1.80					
Pulmonary infection	0.08	0.34	0.21	0.27	0.41	0.28	0.69	0.69	0.69	0.62	0.69					
Viral infection	0.17	<0.05	0.11	0.07	0.05	0.06	0.18	0.17	0.17	0.22	0.17					
Other infection	0.08	0.11	<0.05	0.06	0.15	0.08	0.08	0.17	0.12	0.09	0.12					
Malignant disease	0.42	0.54	0.42	0.53	0.46	0.49	2.12	1.62	2.08	1.73	1.92					
Other cause	3.68	9.84	10.22	10.12	10.91	10.00	29.41	24.34	26.91	32.55	27.41					
Unknown cause	0.33	0.83	0.78	0.70	1.32	0.81	2.43	1.37	1.87	2.79	2.01					
All	6.61	15.35	15.80	15.66	17.41	15.54	43.79	38.22	41.05	48.80	41.59					
Years at risk	11,957	65,140	47,466	85,180	19,702	112,606	72,772	47,493	88,975	22,583	120,265					
Patients	12,425	66,478	48,484	87,101	20,019	114,962	75,100	48,949	91,898	23,239	124,049					

	65+					All						
	Male	Female	White	Black	All	Male	Female	White	Black	N. Am.	Asian	All
Acute M.I.	4.15	2.76	3.79	2.70	3.60	1.78	1.27	1.68	1.33	1.82	0.74	1.57
Hyperkalemia	0.07	0.42	0.21	.	0.21	<0.05	0.11	0.06	0.06	0.30	0.09	0.07
Pericarditis	0.07	0.11	0.05	0.27	0.08	<0.05	<0.05	<0.05	<0.05	0.30	.	<0.05
Atherosclerotic H.D.	1.11	0.53	0.91	0.54	0.88	0.29	0.19	0.27	0.21	0.61	.	0.25
Cardiomyopathy	0.55	0.85	0.80	0.27	0.67	0.31	0.25	0.33	0.17	.	.	0.28
Cardiac arrhythmia	0.90	0.74	0.80	0.81	0.84	0.53	0.49	0.48	0.77	0.30	0.09	0.51
Cardiac arrest	4.91	3.82	4.22	6.47	4.48	1.95	1.96	1.87	2.65	1.22	1.20	1.95
Valvular heart disease	0.28	0.32	0.16	1.08	0.29	0.08	0.08	0.07	0.15	.	.	0.08
Pulmonary edema	0.42	0.42	0.48	0.27	0.42	0.08	0.13	0.10	0.08	.	.	0.10
AIDS	.	.	.	.	.	<0.05	.	<0.05	<0.05	.	.	<0.05
Cachexia	0.07	0.11	0.11	.	0.08	<0.05	<0.05	0.05	.	.	.	<0.05
Cerebrovascular disease	1.59	2.66	2.19	1.89	2.01	0.62	0.95	0.79	0.79	0.30	0.28	0.75
G.I. hemorrhage	0.21	0.32	0.27	0.27	0.25	0.08	0.11	0.09	0.08	0.30	.	0.09
Other hemorrhage	0.55	0.42	0.43	1.08	0.50	0.20	0.20	0.19	0.29	.	0.18	0.20
Septicemia	3.94	4.89	3.95	6.47	4.32	1.34	1.88	1.47	2.02	2.73	0.83	1.56
Pulmonary infection	2.42	1.27	2.08	1.35	1.97	0.67	0.51	0.61	0.56	1.82	0.46	0.61
Viral infection	0.69	0.32	0.53	0.54	0.54	0.16	0.16	0.16	0.19	.	0.18	0.16
Other infection	0.48	0.53	0.59	.	0.50	0.13	0.14	0.14	0.10	0.30	0.18	0.13
Malignant disease	4.98	3.72	4.65	3.78	4.48	1.65	1.23	1.59	1.33	1.22	0.92	1.48
Other cause	73.13	56.50	66.65	72.28	66.57	24.19	20.11	22.45	25.55	18.84	16.84	22.53
Unknown cause	5.12	2.44	4.01	5.12	4.06	1.92	1.17	1.51	2.27	2.73	0.74	1.62
All	105.64	83.16	96.88	105.18	96.77	36.07	31.01	33.94	38.66	32.81	22.73	34.02
Years at risk	14,454	9,416	18,724	3,708	23,870	159,725	108,973	201,872	47,983	3,291	10,867	268,698
Patients	15,301	9,877	19,759	3,921	25,178	164,515	112,099	208,120	49,233	3,366	11,093	276,614

Age is determined on January 1 of each calendar year.
 All category includes patients of other & unknown races.
 U.S. only; unknown age, gender, & race; other & unknown are excluded.
 "." Zero values in this cell.

Table H.13

Death Rates by Cause of Withdrawal

rates per 1,000 patient years at risk, period prevalent patients, 1998-2000 combined

	0-19		20-44				45-64				
	All	Male	Female	White	Black	All	Male	Female	White	Black	All
Withdraw, access failure	0.32	0.25	0.42	0.37	0.30	0.32	0.52	0.87	0.84	0.51	0.68
Withdraw, transplant failure	.	<0.05	0.09	0.05	<0.05	<0.05	0.06	<0.05	0.10	<0.05	0.05
Withdraw, failure to thrive	1.12	2.83	3.66	5.02	1.79	3.18	7.48	9.75	12.96	4.11	8.53
Withdraw, med. complication	2.24	3.39	5.68	5.67	3.27	4.36	8.73	11.65	14.16	6.14	10.08
Withdraw, other	1.28	1.84	1.97	2.41	1.58	1.90	4.09	4.61	6.32	2.33	4.33
Did not withdraw	29.28	71.64	73.62	76.06	72.51	72.48	136.21	135.60	150.67	123.47	135.93
Missing data	4.80	8.00	7.04	8.03	7.57	7.60	15.83	14.64	18.18	12.80	15.28
Other cause	.	.	.	.	.	.	<0.05	.	<0.05	<0.05	<0.05
All	39.03	87.98	92.47	97.61	87.08	89.88	172.94	177.16	203.24	149.39	174.88
Years at risk	6,251	74,850	54,959	56,787	62,622	129,809	148,968	126,913	132,073	121,283	275,882
Patients	8,549	92,721	68,037	72,896	74,987	160,758	189,612	161,325	175,132	147,559	350,937
	65+										
	All	Male	Female	White	Black	All					
Withdraw, access failure	1.36	2.44	2.11	1.60	1.91						
Withdraw, transplant failure	<0.05	0.05	<0.05	0.05	<0.05						
Withdraw, failure to thrive	33.93	35.99	45.04	17.40	34.98						
Withdraw, med. complication	25.36	27.40	32.99	14.50	26.39						
Withdraw, other	13.31	13.12	16.77	6.98	13.21						
Did not withdraw	253.64	235.93	253.22	231.94	244.63						
Missing data	38.42	36.75	42.62	29.75	37.57						
Other cause	<0.05	.	<0.05	.	<0.05						
All	366.05	351.68	392.79	302.23	358.74						
Years at risk	148,134	153,482	190,509	91,095	301,615						
Patients	204,869	208,521	269,428	117,772	413,390						
	All										
	All	Male	Female	White	Black	N. Am.	Asian	DM	Non-DM	All	
Withdraw, access failure	0.79	1.51	1.40	0.82	1.37	0.68	1.25	1.05	1.13		
Withdraw, transplant failure	<0.05	0.05	0.06	<0.05	.	.	0.05	<0.05	<0.05		
Withdraw, failure to thrive	16.93	20.60	27.65	7.93	11.73	10.60	20.76	17.53	18.67		
Withdraw, med. complication	14.17	17.74	22.16	8.21	14.94	9.70	18.71	14.20	15.87		
Withdraw, other	7.26	8.01	10.90	3.68	6.91	3.63	8.39	7.21	7.61		
Did not withdraw	168.68	170.19	189.56	146.90	143.76	137.41	201.51	148.62	169.40		
Missing data	23.09	23.35	28.71	17.13	11.65	13.76	24.27	22.29	23.21		
Other cause	<0.05	.	<0.05	<0.05	.	.	<0.05	<0.05	<0.05		
All	230.97	241.45	280.44	184.72	190.34	175.77	274.95	210.94	235.94		
Years at risk	375,262	338,295	382,758	277,122	12,451	27,837	274,890	419,817	713,557		
Patients	491,716	441,918	522,210	343,118	15,499	35,271	370,180	540,027	933,634		

Age is determined on January 1 of each calendar year.

All category includes patients of other & unknown races.

U.S. only; unknown age, gender, & race; other & unknown are excluded.

"." Zero values in this cell.

Table H.14
Adjusted First-Year Death Rates
per 1,000 patient years at risk, incident patients by modality & demographic characteristics

DIALYSIS	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-19	53.3	55.1	53.9	49.3	46.0	38.6	44.7	42.3	46.6	45.7
20-44	114.1	122.8	115.9	109.5	108.6	108.6	102.9	96.9	100.2	96.3
45-64	203.6	201.4	198.2	186.3	179.2	176.8	171.7	165.0	171.8	162.9
65-74	303.0	309.7	296.4	284.9	284.7	284.3	280.4	286.0	290.6	293.3
75+	445.5	439.5	440.0	417.4	416.5	425.8	415.8	423.8	445.8	451.1
Male	268.2	267.1	263.2	245.4	243.8	242.7	236.2	236.3	241.7	234.7
Female	247.8	252.4	244.3	237.0	232.5	233.8	229.0	228.7	239.1	240.7
White	288.2	290.0	283.0	268.5	264.3	262.7	255.8	258.3	262.0	254.4
Black	209.8	212.2	207.0	198.1	196.4	197.5	194.4	190.5	205.4	213.3
Other race	189.3	189.1	187.4	175.2	176.1	185.2	179.3	170.1	185.5	181.1
†Hispanic‡							176.7	179.2	179.2	185.6
†Non-Hispanic‡							242.9	248.3	258.0	257.1
Diabetes	320.7	316.8	308.6	284.7	282.3	282.2	273.1	271.9	275.8	257.0
Hypertension	231.5	239.5	233.7	223.8	223.1	215.2	210.9	214.1	221.5	220.6
Glomerulonephritis	182.7	186.7	175.9	164.7	165.9	162.5	159.3	158.0	156.5	157.3
Other cause	212.7	215.2	215.5	218.7	209.8	222.6	220.2	218.6	238.1	260.7
All	258.2	260.0	254.0	241.3	238.3	238.3	232.7	232.6	240.4	237.6
HEMODIALYSIS										
0-19	43.8	57.2	59.2	47.4	42.6	36.9	47.8	45.0	44.0	49.3
20-44	115.3	124.8	116.6	114.8	111.9	112.8	105.8	99.9	104.7	102.5
45-64	203.7	201.9	200.1	189.4	180.2	177.6	174.8	166.3	174.1	167.9
65-74	301.3	308.9	297.5	287.5	285.5	287.5	284.0	289.1	292.1	295.4
75+	446.5	437.0	441.7	418.4	415.6	428.0	424.2	426.6	448.4	453.4
Male	273.2	272.2	271.2	253.6	249.7	250.5	245.4	244.7	249.5	245.2
Female	255.1	259.4	251.4	246.3	240.3	242.5	240.2	238.0	249.4	251.7
White	295.7	298.2	292.5	278.9	272.6	272.2	267.1	268.7	272.1	266.5
Black	215.9	216.7	213.3	204.9	202.5	207.1	205.5	199.5	214.9	224.0
Other race	199.5	198.4	198.5	192.2	187.1	190.5	188.0	177.7	196.0	188.8
†Hispanic‡							180.1	181.4	183.2	193.4
†Non-Hispanic‡							252.9	255.3	265.4	265.5
Diabetes	321.5	318.1	311.9	287.3	283.3	286.4	276.7	275.7	280.6	264.1
Hypertension	238.5	246.7	241.1	233.0	230.3	222.9	219.7	223.4	229.8	230.7
Glomerulonephritis	193.9	192.7	187.3	175.5	174.4	173.2	171.0	166.4	165.2	171.2
Other cause	223.0	226.1	227.4	235.5	224.4	237.2	242.8	235.0	255.0	277.3
All	264.3	265.9	261.5	250.0	245.1	246.6	242.8	241.4	249.5	248.4

The age of the incident patient is determined as of the date of ESRD initiation.

The 90 day rule has been applied.

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

‡Hispanic & non-Hispanic death rates are unadjusted.

U.S. only; unknown age, gender, & race; other & unknown are excluded.

Table H.14 (continued)

Adjusted First-Year Death Rates*per 1,000 patient years at risk, incident patients by modality & demographic characteristics*

CAPD/CCPD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-19	75.1	53.0	49.4	60.5	45.5	45.2	45.7	42.1	52.9	44.9
20-44	98.4	101.7	99.1	93.9	92.3	81.1	80.4	71.9	68.3	56.1
45-64	188.7	180.2	178.1	166.0	164.2	156.7	152.6	141.7	144.4	124.6
65-74	302.2	292.5	278.4	281.9	275.4	261.7	274.5	251.6	255.8	271.3
75+	469.0	442.8	461.3	441.0	465.6	434.2	406.5	432.6	419.7	429.7
Male	230.3	217.6	212.3	202.8	200.3	189.5	190.7	173.5	178.5	163.8
Female	202.8	199.4	200.5	195.4	195.9	183.7	178.3	177.9	173.0	175.6
White	235.9	224.4	223.4	215.5	212.6	202.3	198.0	190.7	190.5	180.9
Black	170.5	175.8	163.3	162.8	169.3	148.3	149.9	139.9	141.1	137.6
Other race	162.1	146.4	160.3	134.5	128.4	133.3	148.3	114.0	119.2	130.5
†Hispanic‡							128.8	134.2	116.1	99.7
†Non-Hispanic‡							188.9	183.7	185.5	181.8
Diabetes	299.8	280.9	277.4	267.2	259.3	248.1	247.0	241.7	234.7	216.4
Hypertension	177.1	174.1	178.9	168.5	168.7	157.7	154.2	139.5	144.8	147.6
Glomerulonephritis	125.5	132.0	120.0	114.1	123.6	107.2	104.9	102.4	98.9	75.6
Other cause	162.8	156.9	155.6	156.7	160.6	151.6	149.6	134.8	147.1	162.8
All	217.7	209.3	206.9	199.4	198.3	186.9	185.0	175.5	176.0	169.2
TRANSPLANT										
0-19	20.7	13.5	17.7	19.9	15.3	14.7	17.6	16.9	8.8	12.9
20-44	26.7	19.7	25.7	22.6	17.9	24.7	19.2	19.7	12.5	17.6
45-64	45.6	36.9	37.9	34.1	34.5	32.3	28.7	29.3	24.2	26.0
65-74	83.6	59.3	64.3	59.6	55.0	52.6	49.0	51.2	45.1	39.5
75+	129.1	98.2	112.0	105.1	98.1	94.5	77.1	84.4	77.7	80.7
Male	71.7	55.4	59.1	55.1	52.7	49.9	42.3	44.4	39.9	40.9
Female	67.1	48.5	57.4	52.3	47.3	48.4	43.3	45.9	37.0	37.7
White	67.9	50.5	56.5	53.2	49.2	49.6	41.7	43.9	37.1	37.7
Black	79.4	61.2	67.3	60.9	57.2	51.2	47.1	50.2	45.7	45.6
Other race	53.1	44.4	42.6	33.6	38.5	38.0	34.8	35.2	29.0	37.7
†Hispanic‡							28.1	21.2	25.4	36.8
†Non-Hispanic‡							45.9	51.3	44.9	45.4
Diabetes	110.2	83.8	96.4	86.3	76.9	70.6	63.0	66.6	56.9	53.5
Hypertension	66.5	48.8	56.9	51.1	48.7	53.4	44.2	43.4	35.1	42.6
Glomerulonephritis	49.3	38.9	41.4	37.7	36.2	36.3	31.9	33.2	28.2	31.1
Other cause	54.0	39.7	41.2	41.4	40.5	39.3	33.4	36.9	33.6	32.9
All	69.9	52.8	58.5	54.0	50.6	49.3	42.7	45.0	38.8	39.7

The age of the incident patient is determined as of the date of ESRD initiation.

The 90 day rule has been applied.

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

‡Hispanic & non-Hispanic death rates are unadjusted.

U.S. only; unknown age, gender, & race; other & unknown are excluded.

Table H.15
Adjusted Second-Year Death Rates
per 1,000 patient years at risk, incident patients by modality & demographic characteristics

DIALYSIS	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-19	45.8	54.2	54.5	51.9	49.2	44.8	37.0	42.5	41.1	42.2
20-44	116.6	116.1	121.5	111.6	109.4	105.8	104.0	97.8	94.2	90.7
45-64	203.0	207.1	199.2	190.9	186.2	174.5	169.4	163.2	160.5	155.6
65-74	303.1	308.2	306.4	285.5	284.8	277.3	272.4	266.6	278.2	263.3
75+	429.9	453.3	434.8	423.9	417.2	405.6	408.0	395.3	412.2	403.9
Male	264.0	272.8	264.3	253.5	245.3	237.4	232.5	224.5	229.9	219.0
Female	246.4	252.2	249.7	235.4	236.9	226.4	224.0	217.7	222.5	216.7
White	282.6	293.2	286.9	272.6	268.4	257.4	251.7	243.2	251.2	237.4
Black	213.1	213.5	209.9	199.4	198.0	191.3	189.3	184.8	185.3	186.1
Other race	187.8	192.6	187.0	180.6	175.2	171.5	177.5	170.5	165.5	168.1
†Hispanic‡								173.6	173.4	168.8
†Non-Hispanic‡								219.1	227.6	220.3
Diabetes	316.4	326.3	313.4	297.3	284.6	274.9	270.3	259.6	264.5	249.9
Hypertension	228.9	235.5	236.9	225.1	223.7	217.3	206.2	200.5	208.2	200.7
Glomerulonephritis	184.7	185.9	184.7	169.5	164.7	161.6	155.6	151.4	153.6	141.8
Other cause	209.2	216.4	212.9	207.6	218.6	204.3	213.2	209.3	212.7	215.7
All	255.4	262.7	257.2	244.7	241.2	232.1	228.3	221.2	226.3	217.8
HEMODIALYSIS										
0-19	44.7	43.5	55.2	55.8	46.0	40.5	34.1	44.1	42.6	38.9
20-44	113.0	114.7	120.4	110.0	111.5	106.4	104.3	97.7	94.4	92.5
45-64	196.7	202.6	194.8	188.8	183.9	171.2	164.2	161.4	157.2	153.9
65-74	291.7	299.6	298.2	280.7	279.1	271.4	265.9	262.3	273.3	258.2
75+	421.5	444.0	421.8	416.7	406.2	395.0	395.8	391.7	403.2	396.4
Male	262.5	271.7	262.7	255.9	246.2	237.3	231.7	226.6	231.3	220.6
Female	244.3	253.7	250.4	237.2	239.2	228.4	224.3	221.8	224.9	220.5
White	281.3	294.1	287.8	276.0	270.8	259.1	251.7	246.6	254.0	240.5
Black	211.9	214.7	209.2	201.2	198.9	192.4	191.5	189.8	188.5	190.0
Other race	192.3	198.4	191.5	187.3	186.6	177.8	176.2	173.6	167.9	173.3
†Hispanic‡								173.3	168.7	170.2
†Non-Hispanic‡								220.3	227.0	220.4
Diabetes	310.3	319.8	307.1	294.3	279.0	269.3	264.8	255.5	260.6	248.1
Hypertension	227.6	237.2	238.1	227.5	226.2	218.9	206.2	202.8	211.1	203.2
Glomerulonephritis	189.5	192.8	186.0	176.7	170.4	165.7	160.2	157.9	157.3	146.1
Other cause	210.2	221.8	218.2	214.6	228.7	213.3	219.3	224.2	222.2	225.4
All	253.5	262.8	256.7	246.7	242.8	232.9	228.1	224.2	228.2	220.5

The age of the incident patient is determined as of the date of ESRD initiation.

The 90 day rule has been applied.

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

‡Hispanic & non-Hispanic death rates are unadjusted.

U.S. only; unknown age, gender, & race; other & unknown are excluded.

Table H.15 (continued)

Adjusted Second-Year Death Rates*per 1,000 patient years at risk, incident patients by modality & demographic characteristics*

CAPD/CCPD	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-19	55.1	95.1	67.3	59.7	74.4	55.8	57.2	55.9	55.0	66.5
20-44	139.7	124.6	129.2	119.7	115.5	113.3	102.6	98.4	93.9	86.0
45-64	248.1	238.9	229.0	215.1	204.2	201.6	198.1	186.8	185.1	181.6
65-74	396.0	382.7	371.7	336.3	346.7	338.1	330.8	336.0	328.7	321.8
75+	562.2	593.9	562.7	557.3	542.4	571.5	548.8	497.5	565.1	528.1
Male										
Female	287.9	291.7	276.6	256.4	249.4	245.9	239.6	233.4	226.6	224.5
	274.7	256.8	253.3	242.2	240.3	240.4	232.2	218.2	232.4	217.6
White										
Black	304.6	298.7	285.1	269.8	265.0	260.9	255.8	242.3	249.2	239.7
Other race	227.9	215.8	223.5	197.3	200.2	207.8	187.5	183.4	182.8	177.4
	201.1	205.2	186.1	193.6	165.4	157.7	168.4	181.6	148.9	149.9
†Hispanic‡								164.1	197.5	136.5
†Non-Hispanic‡								224.5	226.3	225.9
Diabetes	376.0	379.5	357.0	335.1	328.7	318.3	313.6	302.3	315.7	295.3
Hypertension	235.5	224.3	221.2	216.0	207.2	207.1	199.3	188.7	182.3	182.1
Glomerulonephritis	168.6	158.9	167.8	144.9	140.4	151.7	135.5	128.4	133.7	124.5
Other cause										
All	218.6	206.1	199.5	188.0	192.7	197.2	191.6	183.1	176.1	185.1
TRANSPLANT										
0-19	10.0	9.8	7.9	9.9	11.1	9.5	7.7	11.3	8.5	5.2
20-44	17.0	12.6	11.6	14.4	12.6	11.1	13.0	12.3	9.9	7.3
45-64	27.0	21.5	21.7	21.2	19.0	21.3	17.0	18.5	14.6	14.2
65-74	46.0	39.4	34.8	36.0	33.2	34.0	27.6	31.6	25.6	26.5
75+	74.8	60.9	57.7	62.7	58.6	60.7	49.7	49.7	42.3	45.6
Male	42.0	33.8	32.5	33.1	30.7	32.6	26.2	27.2	22.2	23.4
Female	37.3	31.6	28.5	32.1	29.1	29.2	25.4	27.9	23.0	21.7
White	38.1	32.0	29.6	31.7	29.6	30.4	26.0	26.8	22.0	21.8
Black	48.0	37.4	35.9	37.7	33.9	35.4	26.9	30.3	25.1	26.9
Other race	32.5	25.0	26.1	23.9	18.7	23.8	20.0	22.4	17.6	17.0
†Hispanic‡								22.3	16.4	9.5
†Non-Hispanic‡								28.5	24.2	26.3
Diabetes	62.1	51.9	49.2	54.0	48.1	47.6	37.1	40.6	33.3	33.4
Hypertension	39.1	31.3	28.7	31.9	28.5	30.1	28.0	28.4	21.7	20.6
Glomerulonephritis	28.3	23.3	22.9	23.2	21.0	22.4	19.1	20.5	16.6	16.6
Other cause	31.6	25.5	23.3	23.1	23.1	25.0	20.6	21.5	18.5	19.7
All	40.2	33.0	31.0	32.8	30.1	31.3	25.9	27.5	22.5	22.8

The age of the incident patient is determined as of the date of ESRD initiation.

The 90 day rule has been applied.

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

‡Hispanic & non-Hispanic death rates are unadjusted.

U.S. only; unknown age, gender, & race; other & unknown are excluded.

Table H.16
Adjusted Third-Year Death Rates
per 1,000 patient years at risk, incident patients by modality & demographic characteristics

DIALYSIS	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
0-19	60.2	49.1	57.1	56.2	58.2	52.5	48.3	39.2	45.3	41.3
20-44	121.1	125.1	122.3	125.3	125.1	116.8	114.1	110.0	104.2	94.6
45-64	217.2	217.8	218.3	205.6	214.0	198.8	188.2	179.2	173.9	161.1
65-74	321.4	325.3	324.9	316.2	320.0	304.0	299.0	288.1	284.0	279.3
75+	482.1	461.3	477.7	448.7	475.0	445.3	437.5	431.5	421.1	413.8
Male	291.5	283.3	287.6	272.7	284.1	261.8	256.1	245.9	239.1	230.8
Female	259.9	264.4	265.8	257.7	263.7	252.8	244.2	236.9	231.9	223.3
White	305.9	303.2	309.0	296.0	305.5	286.4	277.6	266.2	259.0	252.2
Black	223.5	228.6	225.0	216.6	223.5	211.3	206.3	200.2	196.9	186.0
Other race	222.9	201.5	203.0	193.0	202.4	186.9	185.0	187.7	181.5	166.1
†Hispanic‡									176.4	170.8
†Non-Hispanic‡									225.1	218.3
Diabetes	344.6	339.5	343.8	323.4	333.2	303.7	296.5	285.9	276.5	265.5
Hypertension	247.7	245.6	248.2	244.5	252.2	238.7	234.4	218.1	213.5	209.1
Glomerulonephritis	189.2	198.2	195.9	190.5	189.9	175.7	174.3	164.6	161.3	154.2
Other cause	226.9	224.5	228.1	219.7	232.6	233.3	220.4	225.5	222.9	213.5
All	276.0	274.1	276.9	265.4	274.2	257.4	250.3	241.5	235.6	227.2
HEMODIALYSIS										
0-19	65.5	48.5	46.1	57.2	61.8	48.5	43.4	36.1	47.1	42.9
20-44	117.3	122.8	121.3	124.8	121.8	117.4	114.1	110.3	104.3	95.1
45-64	209.5	213.7	214.4	201.9	208.9	193.7	183.7	173.6	172.4	158.4
65-74	312.1	316.9	317.1	309.1	310.6	294.0	291.1	281.1	280.0	275.4
75+	472.1	458.0	469.8	437.2	461.2	427.8	423.7	418.5	418.2	406.4
Male	289.9	285.2	287.5	272.3	283.2	259.3	254.6	245.0	241.9	233.1
Female	259.5	265.4	268.5	259.5	262.5	251.9	245.1	237.2	236.8	226.7
White	306.8	305.6	311.2	298.4	305.4	285.2	278.0	266.2	263.3	256.0
Black	221.2	230.2	227.2	216.8	222.7	209.5	206.5	202.5	202.6	190.0
Other race	226.5	208.9	210.0	198.5	207.2	196.6	190.8	186.3	185.3	169.2
†Hispanic‡									170.8	171.6
†Non-Hispanic‡									227.8	217.7
Diabetes	340.8	337.1	338.4	318.3	325.7	293.8	288.9	280.0	272.8	262.6
Hypertension	247.5	247.3	251.0	246.8	251.7	238.3	234.8	218.0	216.6	212.8
Glomerulonephritis	187.3	205.9	204.1	192.7	195.5	179.5	177.8	169.4	168.6	158.5
Other cause	227.8	228.4	234.7	226.2	237.5	240.8	228.8	231.9	239.4	223.9
All	274.8	275.4	278.1	266.0	273.0	255.7	249.9	241.2	239.4	230.0

The age of the incident patient is determined as of the date of ESRD initiation.

The 90 day rule has been applied.

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

‡Hispanic & non-Hispanic death rates are unadjusted.

U.S. only; unknown age, gender, & race; other & unknown are excluded.

Table H.16 (continued)

Adjusted Third-Year Death Rates

per 1,000 patient years at risk, incident patients by modality & demographic characteristics

CAPD/CCPD	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
0-19	81.0	56.8	102.0	71.7	70.5	87.5	62.4	62.4	60.8	56.9
20-44	152.9	144.2	133.7	137.6	141.4	135.8	126.6	112.0	107.0	96.9
45-64	278.8	256.0	256.3	243.9	254.0	240.2	225.2	216.3	203.1	191.2
65-74	432.8	408.6	410.6	395.8	397.2	407.9	377.7	361.2	365.4	339.5
75+	701.9	580.1	637.2	599.1	658.2	638.1	638.4	599.2	541.1	583.7
Male	342.6	297.0	312.9	294.5	302.9	293.4	274.7	261.6	253.9	234.0
Female	293.3	283.5	275.5	269.7	286.1	282.7	268.6	253.6	237.3	240.0
White	342.3	314.3	320.5	303.6	318.7	311.8	291.5	279.2	263.5	257.3
Black	258.8	235.1	231.6	237.9	233.0	235.5	232.1	204.7	199.5	188.8
Other race	261.5	207.5	220.2	198.1	228.7	194.6	176.1	183.9	197.5	153.8
†Hispanic‡									206.9	162.1
†Non-Hispanic‡									225.9	224.3
Diabetes	420.9	387.9	407.2	380.1	395.8	386.6	355.6	342.5	328.8	326.1
Hypertension	273.6	243.0	240.6	235.6	255.2	243.8	231.3	217.6	205.2	188.2
Glomerulonephritis	204.1	174.0	170.5	178.6	171.2	165.1	169.5	147.9	139.6	138.1
Other cause	249.3	225.5	221.1	212.4	222.0	226.7	220.2	209.2	199.1	181.9
All	320.1	290.8	295.8	283.2	295.2	288.5	271.9	257.9	246.3	236.7
TRANSPLANT										
0-19	14.2	9.4	11.1	9.3	10.5	13.6	9.8	9.1	12.1	10.8
20-44	15.5	15.9	14.3	13.6	15.3	15.5	11.4	15.3	13.2	12.6
45-64	30.9	25.3	24.4	25.5	22.6	23.4	22.1	20.0	19.7	18.7
65-74	50.7	43.1	44.7	41.1	38.3	40.9	35.2	32.5	33.8	32.7
75+	79.0	70.2	69.1	68.0	66.7	72.0	62.8	58.5	53.1	54.0
Male	45.2	39.4	38.3	38.3	35.2	37.8	33.7	30.9	29.1	28.4
Female	41.3	35.0	35.9	33.6	34.2	35.8	30.3	30.0	29.8	29.4
White	41.5	35.7	36.3	35.0	33.7	36.4	31.5	30.7	28.7	28.0
Black	51.7	45.1	42.5	42.4	40.1	41.7	36.6	31.7	32.4	32.1
Other race	36.0	30.4	28.4	30.7	25.4	23.0	24.6	23.5	24.0	22.5
†Hispanic‡									20.0	16.7
†Non-Hispanic‡									30.4	31.0
Diabetes	69.4	58.2	59.0	58.0	57.4	59.1	49.3	43.7	43.4	42.6
Hypertension	40.1	36.7	35.6	33.8	33.9	35.0	31.2	33.0	30.4	27.7
Glomerulonephritis	30.7	26.6	26.4	27.0	24.7	25.8	23.2	22.4	21.9	21.2
Other cause	34.3	29.6	28.9	27.5	24.5	28.4	25.9	24.3	23.0	23.6
All	43.7	37.7	37.4	36.6	34.8	37.0	32.4	30.5	29.4	28.7

The age of the incident patient is determined as of the date of ESRD initiation.

The 90 day rule has been applied.

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

‡Hispanic & non-Hispanic death rates are unadjusted.

U.S. only; unknown age, gender, & race; other & unknown are excluded.

