



# SECTION H

Mortality &  
Causes of Death







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Table H.1  
**Total ESRD Patient Deaths**

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Age at death										
0-4	31	38	31	30	29	26	31	28	28	30
5-9	*	23	13	12	13	*	15	15	*	12
10-14	23	31	17	19	18	18	19	18	21	15
15-19	46	62	52	43	44	44	54	44	47	35
20-24	158	127	135	146	136	137	135	138	113	122
25-29	368	360	322	377	355	365	358	360	346	306
30-34	648	654	655	719	728	816	801	772	722	650
35-39	899	986	994	1,138	1,164	1,249	1,260	1,234	1,195	1,159
40-44	1,088	1,226	1,301	1,487	1,495	1,694	1,806	1,783	1,784	1,851
45-49	1,258	1,433	1,482	1,745	1,827	2,124	2,305	2,421	2,525	2,513
50-54	1,718	1,825	1,920	2,144	2,323	2,670	2,899	3,027	3,262	3,443
55-59	2,496	2,523	2,642	2,922	3,254	3,671	3,728	3,920	4,099	4,413
60-64	3,620	3,762	4,098	4,458	4,613	5,030	5,265	5,432	5,664	5,986
65-69	4,828	5,313	5,714	6,337	6,761	7,143	7,615	7,993	8,402	8,723
70-74	4,570	5,125	5,747	6,878	7,459	8,126	8,807	9,420	9,777	10,562
75-79	3,887	4,355	4,763	5,511	6,232	6,610	7,434	8,361	9,035	10,031
80-84	2,272	2,521	2,958	3,438	3,912	4,481	5,005	5,550	6,158	6,839
85+	1,051	1,187	1,432	1,743	2,041	2,409	2,643	3,029	3,585	4,149
White	19,215	21,090	22,930	26,634	28,500	30,845	33,047	34,793	37,194	40,072
Black	8,668	9,400	10,247	11,159	12,338	13,779	14,808	15,469	16,164	17,189
Native American	288	357	385	444	507	567	645	741	755	750
Asian	569	615	613	711	746	1,007	1,146	1,440	1,497	1,608
Unknown	45	28	32	70	48	102	93	58	95	79
Other	185	61	69	129	265	319	441	1,044	1,066	1,141
Male	15,762	17,018	18,300	20,731	22,408	24,603	26,382	28,222	29,661	31,952
Female	13,208	14,533	15,976	18,416	19,996	22,009	23,798	25,323	27,109	28,887
Primary diagnosis										
Diabetes	8,605	10,018	11,500	13,344	14,926	16,266	18,359	20,618	22,265	24,813
Hypertension	8,189	9,128	10,258	11,512	12,617	13,667	14,436	14,661	15,629	16,473
Glomerulonephritis	3,227	3,478	3,505	3,779	3,870	4,133	4,443	4,666	4,793	4,785
Cystic Kidney	771	819	780	838	925	910	1,043	1,054	1,081	1,071
Other Urologic	539	558	594	697	737	760	823	933	903	971
Other Cause	3,162	3,386	3,480	3,728	3,924	4,225	4,672	5,319	5,588	5,864
Unknown Cause	1,728	1,603	1,647	1,913	1,936	1,826	2,032	2,075	2,228	2,355
Missing	2,749	2,561	2,512	3,336	3,469	4,832	4,372	4,219	4,284	4,507
Total	28,970	31,551	34,276	39,147	42,404	46,619	50,180	53,545	56,771	60,839

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

Table H.2

**Death Rates: by Age Group**

*all dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	229.6	279.2	173.7	181.2	177.3	276.4	324.6	218.7	211.2	249.0	249.0	341.7	175.0	194.8	190.3	185.6	220.9	130.3	130.2	113.3
0-14	40.5	44.2	40.6	28.0	21.3	171.2	191.0	144.2	103.6	99.4	27.5	40.4	31.2	22.8	18.6	40.5	44.2	40.6	28.0	21.3
15-19	25.5	30.1	19.9	18.7	13.2	67.2	75.6	53.3	40.3	41.4	15.9	22.8	17.5	13.3	10.8	23.8	24.8	22.0	16.3	12.5
20-24	38.2	46.8	32.2	29.9	21.4	100.6	114.8	82.9	63.3	65.1	25.8	37.4	29.1	22.9	18.6	38.7	41.0	39.0	26.9	20.4
25-29	49.8	60.7	42.7	40.1	29.1	120.5	128.2	95.9	70.0	72.5	31.2	43.4	33.7	28.0	22.5	42.0	45.1	43.0	32.5	24.3
30-34	68.2	83.1	56.8	55.2	40.9	137.9	151.0	113.0	85.2	85.4	40.8	58.3	41.3	37.5	29.7	54.8	58.5	53.4	42.4	33.0
35-39	81.7	101.3	68.1	67.5	51.0	156.4	178.1	115.9	100.3	102.0	52.9	69.8	53.0	46.3	36.8	66.2	70.8	66.3	51.0	39.2
40-44	98.3	121.0	83.5	84.3	63.9	170.6	195.8	136.8	121.6	119.2	73.2	91.5	70.7	61.6	48.5	79.4	87.9	77.6	67.3	49.2
45-49	115.0	139.1	98.3	99.4	77.3	170.2	205.2	134.0	124.1	131.0	87.3	111.5	82.1	71.8	56.3	91.7	100.1	88.4	79.1	58.5
50-54	145.5	173.5	123.5	127.6	102.6	188.4	231.1	151.2	145.0	160.7	118.8	139.9	111.7	99.9	79.1	122.2	134.7	108.0	105.5	77.9
55-59	172.5	200.3	149.0	151.1	121.0	208.3	250.8	170.9	165.3	173.6	143.8	166.0	135.5	117.2	92.2	148.5	159.0	138.0	125.0	85.8
60-64	210.7	246.0	176.6	186.4	152.9	241.0	289.5	196.8	208.5	189.5	194.6	242.8	166.9	161.0	124.2	200.6	213.4	175.7	167.3	128.6
65-69	275.8	311.9	230.4	245.7	207.0	299.3	347.4	240.5	257.9	253.8	252.2	298.8	211.0	213.3	167.0	249.9	263.2	221.9	214.5	159.4
70-74	328.5	364.0	272.7	297.1	251.9	358.3	408.9	284.0	321.1	301.4	311.0	353.5	256.1	271.3	222.2	300.5	317.8	263.8	263.8	191.0
75-79	388.9	417.4	332.7	358.5	310.9	422.0	465.3	348.6	371.7	377.9	377.9	413.6	316.8	352.9	275.6	360.3	372.7	331.0	338.9	247.6
80-84	465.8	493.8	406.5	432.9	376.3	509.6	577.3	397.9	433.6	417.8	451.2	472.2	417.7	453.5	348.4	448.5	465.9	397.6	419.8	317.8
85+	587.8	619.7	523.0	561.4	498.4	611.0	679.7	506.6	524.7	509.7	590.5	628.4	528.5	601.8	482.0	562.1	576.2	532.4	584.7	419.7

**STANDARD ERRORS**

All	1.0	0.8	0.7	2.9	2.0	2.2	2.3	2.2	7.3	7.0	2.4	2.9	1.9	15.6	7.9	1.9	1.8	2.0	9.4	4.8
0-14	4.1	5.0	5.4	5.4	3.6	27.2	27.5	21.6	19.9	17.8	5.0	6.4	4.9	4.9	3.6	4.1	5.0	5.4	5.4	3.6
15-19	3.2	4.0	2.7	3.2	2.1	11.8	12.3	8.8	7.8	7.7	2.8	3.8	2.9	2.9	2.1	2.8	3.4	3.2	3.2	2.2
20-24	2.5	3.2	2.3	3.6	2.2	10.7	11.7	8.8	9.2	8.8	3.0	4.1	3.0	3.9	2.7	2.4	3.2	3.2	4.0	2.6
25-29	2.1	2.8	2.1	4.0	2.5	7.0	8.5	7.6	8.8	8.5	2.7	4.0	2.8	4.3	2.9	2.0	2.8	2.8	4.3	2.7
30-34	2.0	2.8	2.1	4.7	3.0	5.2	6.8	7.1	9.4	9.0	2.7	4.7	2.8	5.3	3.5	2.1	2.9	2.8	5.1	3.4
35-39	1.8	2.7	2.0	5.0	3.2	4.6	6.3	6.3	10.0	9.7	2.5	4.9	2.8	6.0	4.0	2.0	3.0	2.9	5.7	3.6
40-44	1.8	2.7	2.0	5.4	3.5	4.0	5.8	5.8	10.4	10.3	2.6	5.4	2.9	7.4	4.8	2.1	3.2	3.1	7.0	4.2
45-49	1.7	2.6	2.0	5.4	3.8	3.2	5.0	4.5	9.2	10.0	2.5	5.7	2.9	8.1	5.2	2.2	3.2	3.4	7.7	4.7
50-54	1.9	2.8	2.3	5.9	4.4	2.9	4.7	4.1	9.4	10.4	3.0	6.1	3.5	10.6	6.8	2.7	3.8	4.3	9.8	6.0
55-59	1.9	2.8	2.5	6.2	4.6	2.7	4.4	3.9	9.6	10.3	3.2	6.1	3.9	12.0	7.5	3.1	4.1	5.3	11.5	6.5
60-64	2.0	2.9	2.6	7.1	5.3	2.7	4.3	4.0	11.5	10.2	3.5	6.5	4.4	15.7	9.5	3.6	4.7	6.3	15.0	9.2
65-69	2.2	3.0	3.1	9.1	6.4	2.8	4.3	4.3	13.4	11.4	3.4	5.6	4.7	19.9	11.2	3.7	4.6	7.4	18.6	10.5
70-74	2.5	3.2	3.6	11.8	7.4	3.3	4.9	5.2	17.6	13.0	3.5	5.2	5.4	24.0	13.1	3.8	4.8	8.3	22.8	11.9
75-79	3.0	3.7	4.9	16.4	9.8	4.6	6.6	7.6	24.4	18.0	4.0	5.6	6.9	31.2	15.8	4.6	5.6	11.2	30.2	15.6
80-84	4.5	5.3	7.5	23.9	13.6	7.9	11.4	12.4	34.8	24.8	5.5	7.2	10.6	43.9	20.3	6.8	8.1	16.2	41.8	22.0
85+	7.5	9.0	12.0	36.6	21.6	15.7	22.7	23.0	49.9	36.1	8.9	12.0	15.7	61.6	33.4	11.1	13.4	24.4	63.0	32.6



Table H.2S 1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year***all dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

RATES																				
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	224.1	272.6	155.9	145.0	155.3	246.7	288.7	184.9	164.4	203.7	259.8	341.8	163.3	175.5	173.3	202.9	240.2	138.8	121.9	100.4
0-14	39.5	40.2	48.0	24.1	12.4	135.7	151.5	134.0	74.4	50.7	21.8	31.9	26.1	16.0	9.2	39.5	40.2	48.0	24.1	12.4
15-19	19.2	18.5	14.4	10.4	6.3	39.3	35.8	27.4	16.8	13.1	9.9	11.3	9.1	5.8	3.4	17.6	14.0	16.1	8.6	4.6
20-24	31.5	35.8	29.7	21.2	13.1	67.8	74.9	58.1	37.1	29.4	19.3	25.8	21.1	14.1	8.4	33.5	31.2	38.9	20.1	10.7
25-29	37.7	44.3	33.7	25.8	16.4	75.4	82.1	60.3	37.7	30.7	20.6	27.7	21.6	15.7	9.6	32.3	31.6	36.6	21.7	11.9
30-34	60.6	70.7	54.6	43.3	28.4	100.2	110.0	86.0	57.6	46.8	32.6	44.2	33.6	26.0	16.3	52.6	49.5	60.7	35.5	19.9
35-39	66.0	78.2	59.4	48.1	32.4	106.7	121.9	83.9	63.9	53.6	38.9	51.5	38.9	31.2	19.9	61.2	55.8	72.3	41.0	23.2
40-44	73.5	88.5	63.7	55.0	37.7	112.2	127.1	91.9	69.3	59.1	46.4	60.6	45.4	37.7	23.9	64.4	66.0	72.2	47.8	27.1
45-49	88.9	105.9	74.9	70.9	48.7	122.2	142.7	98.0	85.8	70.7	63.2	83.3	57.8	48.0	31.6	72.5	76.0	77.2	61.7	35.7
50-54	117.6	139.9	98.0	89.3	68.8	147.4	177.1	119.9	100.7	98.9	84.8	109.6	76.9	69.1	46.3	107.6	114.0	108.0	83.2	51.7
55-59	143.6	168.3	116.2	113.8	85.1	167.2	200.5	130.0	124.4	121.0	116.0	142.8	100.0	94.3	62.8	137.7	146.4	133.2	113.3	64.0
60-64	178.5	211.2	138.2	134.6	106.6	196.1	237.2	148.4	149.8	133.7	156.3	196.8	125.5	121.8	86.0	196.7	207.5	176.3	143.4	91.5
65-69	267.6	301.6	211.1	211.0	184.0	279.1	320.8	217.2	221.5	211.3	244.9	287.8	188.0	189.5	137.1	261.6	273.1	233.5	202.9	153.0
70-74	325.8	360.9	252.2	269.1	217.5	337.2	384.3	248.5	282.5	252.8	311.6	350.0	236.5	249.2	190.1	314.9	329.8	283.3	271.7	169.4
75-79	393.1	417.7	331.7	333.5	283.3	413.0	446.9	339.2	345.4	329.1	371.9	398.2	314.2	328.0	243.3	389.0	400.6	358.4	344.4	232.3
80-84	477.4	497.5	426.9	425.6	362.2	525.2	567.6	434.8	400.8	410.3	453.4	473.9	405.0	466.6	326.2	459.8	468.8	451.9	477.8	314.6
85+	605.2	632.0	542.7	556.3	507.1	603.6	699.4	462.5	522.7	531.8	582.4	606.9	524.9	617.0	504.5	622.0	622.1	670.0	638.2	432.2
STANDARD ERRORS																				
All	1.7	1.9	1.7	7.0	4.8	2.9	2.8	2.9	9.5	8.5	3.8	4.0	3.1	25.3	11.2	3.2	3.0	3.4	15.8	7.5
0-14	6.4	6.8	8.9	8.1	3.5	29.3	31.9	28.9	24.4	14.8	5.4	7.7	6.2	6.1	3.0	6.4	6.8	8.9	8.1	3.5
15-19	5.7	5.3	4.2	4.0	2.2	11.2	10.7	8.3	6.2	4.5	2.9	3.5	2.8	2.4	1.3	4.2	3.8	4.4	3.2	1.6
20-24	5.1	5.3	4.5	5.8	3.1	11.5	12.7	10.2	9.8	7.0	3.6	4.9	3.8	4.6	2.2	4.4	4.6	5.7	5.7	2.6
25-29	4.3	4.7	3.8	6.0	3.3	8.2	9.3	8.2	8.5	6.3	3.1	4.4	3.2	4.6	2.3	3.5	3.9	4.5	5.5	2.5
30-34	4.5	5.2	4.3	8.6	4.9	7.5	8.7	9.3	11.3	8.4	3.9	6.0	4.0	6.9	3.4	4.2	4.9	5.6	8.1	3.8
35-39	4.0	4.7	3.9	8.4	4.9	6.5	7.9	7.9	11.2	8.8	3.9	6.4	4.0	7.6	3.8	4.0	4.7	5.6	8.6	4.0
40-44	3.7	4.4	3.6	8.3	5.1	5.5	6.9	7.2	10.6	8.8	3.9	6.6	4.0	8.6	4.2	3.9	4.9	5.4	9.3	4.3
45-49	3.5	4.3	3.6	9.1	5.8	4.6	6.2	6.0	11.3	9.3	4.3	7.8	4.4	10.1	5.1	4.0	4.9	5.7	11.2	5.3
50-54	3.8	4.5	4.2	9.7	7.0	4.3	6.1	5.8	11.4	11.1	5.2	8.7	5.5	13.6	6.9	5.2	6.2	7.9	14.3	7.1
55-59	3.9	4.6	4.4	11.0	7.8	4.1	5.8	5.5	12.5	12.2	5.8	9.2	6.3	17.7	8.6	6.0	6.9	9.5	18.7	8.4
60-64	4.1	4.6	4.6	12.1	8.6	4.1	5.7	5.5	14.4	11.9	5.9	8.9	6.8	21.5	10.8	6.9	7.8	11.6	22.8	11.3
65-69	4.8	5.2	6.0	17.9	12.3	4.7	6.1	6.8	19.8	15.4	6.4	8.5	8.3	32.3	15.3	7.2	7.9	13.7	31.2	17.1
70-74	5.4	5.5	7.1	24.0	13.7	5.7	7.1	8.3	26.6	17.8	6.6	8.1	9.5	40.6	18.8	7.6	8.2	15.7	42.7	18.1
75-79	6.7	6.5	9.8	34.4	18.5	7.8	9.4	12.5	38.9	24.9	7.4	8.5	12.2	53.7	22.9	9.2	9.7	20.6	55.5	25.4
80-84	9.7	9.2	15.4	53.3	26.7	13.5	16.1	21.5	54.3	37.1	9.8	10.9	17.9	81.5	30.9	12.7	13.2	29.6	86.7	36.2
85+	16.4	15.8	23.9	82.4	44.6	25.9	34.0	32.9	81.9	56.7	15.7	17.9	26.0	117.1	54.8	21.4	22.3	48.0	123.7	53.8

Table H.2S.2

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years**

*all dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	205.6	259.7	145.0	146.4	154.8	252.2	311.5	181.1	170.9	229.0	224.4	308.6	150.2	171.2	168.0	157.9	195.8	104.4	101.1	78.2
0-14	17.2	19.9	14.0	10.9	6.7	95.5	104.9	56.4	45.5	46.6	14.6	22.3	13.4	11.3	9.0	17.2	19.9	14.0	10.9	6.7
15-19	21.4	31.6	14.8	14.9	11.4	66.3	80.1	40.6	33.9	39.0	13.9	23.0	14.0	12.1	9.5	16.2	20.6	14.6	11.7	7.1
20-24	33.9	49.6	24.0	24.3	18.8	123.7	147.5	76.6	64.5	74.1	28.1	45.9	28.4	25.1	19.8	32.6	40.7	29.9	24.2	14.6
25-29	48.9	71.3	35.9	36.6	28.6	117.5	142.2	75.1	64.2	73.6	30.2	47.9	30.2	27.5	21.5	32.9	41.0	32.2	26.3	15.7
30-34	67.3	95.6	50.1	51.2	40.5	139.9	167.8	90.0	78.1	88.8	39.1	61.3	39.0	36.4	28.4	43.0	54.5	40.4	34.6	20.8
35-39	62.9	87.3	47.5	48.7	39.0	119.0	144.2	77.0	69.9	79.7	39.0	57.8	37.8	35.5	27.6	42.1	50.0	39.6	33.6	20.2
40-44	91.2	122.6	69.3	71.4	57.9	164.6	203.0	111.3	102.2	115.9	62.1	88.2	59.1	56.2	43.9	61.4	75.4	59.4	53.4	31.6
45-49	105.4	138.8	81.5	84.4	69.1	160.5	202.1	111.3	101.9	117.6	66.8	97.1	61.6	63.1	48.5	68.4	82.5	64.4	59.7	35.2
50-54	128.1	162.9	99.4	103.4	85.6	166.7	223.2	120.0	118.3	138.4	94.1	120.1	83.4	81.2	62.6	94.0	101.4	84.8	77.5	45.8
55-59	154.2	191.2	121.2	126.6	106.0	190.7	242.5	143.1	138.4	157.0	114.6	143.8	101.9	102.0	77.4	114.2	131.2	97.6	94.7	55.9
60-64	187.0	225.6	148.6	155.8	132.0	224.0	285.1	165.3	172.0	188.2	159.8	200.7	128.3	136.5	104.1	155.2	168.6	131.7	127.7	75.5
65-69	234.9	272.3	186.3	196.3	168.2	269.5	322.4	201.6	214.3	227.8	202.4	239.3	171.0	179.6	136.3	193.5	204.8	169.4	169.4	100.6
70-74	291.8	328.4	233.5	247.1	214.0	327.9	386.4	246.7	260.6	274.7	267.3	301.3	223.8	241.4	183.3	263.2	277.6	228.0	222.4	130.3
75-79	336.5	369.4	272.9	290.0	254.0	384.2	441.5	281.3	302.1	337.9	332.4	367.0	277.8	299.4	229.0	286.3	299.6	278.9	278.8	162.2
80-84	407.6	442.5	339.6	362.6	321.2	455.9	537.2	311.3	357.0	400.2	402.0	427.9	366.2	390.3	299.0	373.7	400.7	334.6	359.7	207.3
85+	526.8	564.9	450.5	483.1	432.7	551.8	626.7	417.4	436.8	478.4	552.7	606.5	451.3	538.8	405.6	469.8	494.0	462.4	493.7	282.8

**STANDARD ERRORS**

All	2.2	2.8	2.3	8.9	6.7	3.0	3.9	3.4	11.0	11.2	3.4	5.0	3.4	23.4	13.1	2.7	3.3	3.4	15.2	7.7
0-14	5.8	7.3	5.3	5.3	3.0	35.0	40.1	22.0	21.4	20.8	5.5	8.8	5.3	5.8	4.2	5.8	7.3	5.3	5.3	3.0
15-19	6.2	9.0	4.2	5.3	3.8	23.9	29.4	15.0	14.8	16.3	5.1	8.6	5.2	5.8	4.2	5.4	7.2	5.2	5.3	3.0
20-24	5.2	7.6	3.7	6.0	4.1	22.3	27.1	14.5	18.4	19.3	5.4	9.1	5.4	8.7	5.8	5.1	7.0	5.3	7.7	4.0
25-29	4.8	7.0	3.6	7.2	4.9	13.7	17.5	10.2	15.1	15.6	4.5	7.2	4.3	8.3	5.3	4.0	5.3	4.3	7.3	3.7
30-34	4.6	6.6	3.6	8.5	5.8	11.1	14.2	9.4	15.5	16.0	4.7	7.5	4.4	9.9	6.2	4.2	5.5	4.3	8.6	4.3
35-39	3.7	5.3	3.0	7.0	4.9	8.6	11.1	7.4	12.2	12.8	4.0	6.5	3.8	8.8	5.4	3.6	4.7	3.8	7.7	3.8
40-44	3.9	5.4	3.2	8.5	6.0	8.6	12.0	8.4	15.1	16.1	5.1	8.2	4.8	12.6	7.7	4.2	5.7	4.8	11.2	5.3
45-49	3.7	5.0	3.1	8.3	6.1	6.7	9.8	7.2	12.7	14.2	4.8	8.1	4.5	13.0	7.6	4.4	5.6	4.9	11.7	5.4
50-54	3.8	5.0	3.3	8.4	6.3	5.9	9.4	6.6	12.9	14.4	5.9	8.9	5.6	15.5	8.9	5.5	6.2	6.3	14.4	6.5
55-59	3.9	5.0	3.4	8.5	6.4	5.6	8.8	6.8	13.4	14.3	6.4	9.4	6.3	18.2	10.0	6.2	7.3	6.9	17.0	7.5
60-64	4.0	4.9	3.5	9.3	6.6	5.7	8.7	7.2	15.8	15.4	7.3	10.8	7.3	23.0	12.3	7.2	8.2	8.9	22.4	9.6
65-69	4.3	5.1	4.0	11.8	7.3	5.9	8.6	7.8	19.3	16.9	7.0	10.0	8.4	28.9	14.7	7.5	8.5	10.9	29.5	12.3
70-74	5.0	5.7	4.9	16.9	9.2	7.1	10.1	9.8	25.4	20.3	7.6	10.1	10.4	38.5	18.8	8.6	9.8	14.3	39.8	15.8
75-79	6.0	6.7	6.4	24.1	12.4	9.9	13.4	13.2	35.0	27.1	8.7	11.2	13.1	48.1	23.1	9.5	10.7	18.2	52.0	20.1
80-84	8.9	9.7	9.7	36.7	19.0	16.3	21.8	18.8	48.6	37.7	11.9	14.5	19.3	67.2	30.8	14.2	16.1	24.0	72.3	27.5
85+	15.1	16.3	16.2	58.7	31.7	30.9	38.0	31.4	69.8	53.6	19.5	24.3	27.4	98.7	47.5	22.7	24.9	37.1	107.1	40.8



Table H.2S3

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years***all dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

RATES																				
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	260.2	320.4	195.3	217.3	209.6	320.7	382.8	250.5	253.3	308.1	262.0	367.0	184.1	212.8	201.6	200.4	240.8	133.3	132.0	121.7
0-14	61.9	69.1	53.1	29.4	29.0	354.9	386.3	251.1	150.9	190.3	54.7	79.1	53.3	31.8	31.5	61.9	69.1	53.1	29.4	29.0
15-19	35.5	48.2	25.9	23.5	18.9	149.2	175.7	110.3	71.3	92.7	31.4	48.2	32.7	20.6	20.0	35.3	41.8	32.5	19.0	18.4
20-24	43.7	59.5	33.0	30.6	24.7	156.2	184.2	116.6	79.0	100.8	37.0	55.4	37.9	25.1	23.9	40.4	47.8	38.0	23.0	21.9
25-29	64.6	88.4	50.4	47.8	38.8	175.1	201.9	133.3	93.0	116.8	45.1	67.3	46.6	32.6	30.3	50.8	58.3	47.3	30.0	27.7
30-34	74.9	98.9	58.0	56.3	46.0	171.8	193.3	124.8	90.8	111.0	48.2	70.0	46.7	35.3	31.9	49.2	57.7	47.1	32.1	29.2
35-39	104.6	137.6	83.1	82.4	67.8	209.5	245.4	152.6	121.5	144.5	66.3	94.9	65.2	51.4	45.8	73.2	83.4	66.4	46.9	41.6
40-44	125.1	163.5	101.6	103.1	85.3	229.0	270.4		147.2	171.3	89.8	117.1	86.3	68.3	59.8	87.9	102.0	81.3	62.1	53.8
45-49	139.1	177.0	113.1	117.5	97.7	212.1	264.1	164.8	149.9	176.1	98.0	129.9	92.3	77.2	65.9	99.1	110.9	90.3	70.2	60.2
50-54	172.5	213.3	140.2	149.0	124.7	239.9	297.4	185.4	177.8	201.1	120.8	158.4	110.2	100.2	84.6	122.0	138.5	105.3	90.6	75.7
55-59	204.1	246.4	166.7	181.2	152.6	261.3	319.2	210.1	204.2	227.2	152.7	190.0	139.1	127.5	105.6	153.6	166.2	133.3	115.7	94.2
60-64	250.4	296.5	206.4	229.5	194.4	308.1	380.5	246.4	260.7	284.1	225.2	278.5	188.4	184.7	146.9	203.6	216.6	177.2	165.3	134.4
65-69	292.5	335.9	240.5	273.7	233.3	329.4	394.8	256.2	290.7	312.0	263.0	318.7	210.9	224.0	177.7	237.7	252.7	207.0	197.8	152.7
70-74	343.2	384.5	283.3	329.7	282.8	393.4	450.2	311.9	359.8	370.6	318.5	375.6	258.2	291.6	225.8	295.0	314.9	247.0	262.5	198.7
75-79	404.4	441.0	334.3	398.0	343.4	447.0	502.9	361.6	412.9	429.3	393.8	441.6	317.1	384.2	292.3	363.6	377.8	313.9	339.0	262.3
80-84	469.3	503.9	393.0	478.8	415.6	507.0	593.1	392.3	487.7	466.9	458.8	494.9	402.8	483.9	366.0	454.0	468.0	381.3	432.5	326.1
85+	575.4	612.4	491.5	612.5	534.9	580.0	638.1	470.5	580.2	560.4	604.7	650.2	525.5	646.2	465.8	535.7	562.5	464.9	574.8	417.0
STANDARD ERRORS																				
All	2.2	2.9	2.3	10.4	7.3	3.0	4.1	3.5	12.0	12.3	2.9	4.8	2.9	24.0	12.5	2.5	3.2	3.3	15.1	8.0
0-14	12.5	16.7	13.5	10.1	8.7	81.4	99.7	66.4	50.2	58.0	13.0	21.2	14.2	11.7	10.1	12.5	16.7	13.5	10.1	8.7
15-19	6.3	12.0	6.5	7.2	5.3	35.3	46.8	29.6	23.0	28.0	7.5	13.1	8.8	7.4	6.3	7.4	10.5	8.3	6.5	5.5
20-24	4.0	7.8	4.4	6.3	4.4	21.3	27.7	17.8	17.6	20.1	5.2	8.8	5.7	6.8	5.2	4.5	6.5	5.3	5.7	4.4
25-29	3.6	7.1	4.1	7.9	5.2	14.8	19.6	13.9	16.8	18.4	4.5	7.7	4.9	7.6	5.5	3.9	5.6	4.6	6.4	4.5
30-34	3.1	6.0	3.6	7.9	5.2	10.2	13.9	10.5	14.2	15.2	3.9	6.8	4.1	7.5	5.2	3.3	4.7	4.0	6.3	4.3
35-39	3.1	6.1	3.8	9.8	6.4	9.3	13.5	10.5	16.4	17.1	4.2	7.9	4.5	9.9	6.6	3.9	5.6	4.7	8.4	5.4
40-44	2.9	5.8	3.7	10.3	6.9	8.3	12.6	10.3	17.0	17.9	4.4	8.5	4.9	12.1	7.8	4.0	5.9	5.0	10.2	6.3
45-49	2.7	5.3	3.5	9.7	6.7	6.3	10.7	8.1	14.7	16.2	4.3	8.4	4.8	12.6	7.8	4.1	5.8	5.3	10.7	6.5
50-54	2.9	5.3	3.6	10.0	7.1	5.8	10.2	7.7	15.1	16.3	4.7	9.1	5.3	15.2	9.1	4.7	6.5	6.1	13.0	7.6
55-59	2.9	5.2	3.7	10.0	7.2	5.3	9.5	7.5	15.3	16.6	5.3	9.7	6.2	18.2	10.5	5.5	7.3	7.4	15.9	9.0
60-64	3.0	5.3	3.9	10.8	7.7	5.6	9.9	7.9	18.1	19.1	6.4	11.8	7.6	25.1	13.7	6.3	8.3	9.5	22.0	12.2
65-69	3.0	5.1	4.0	12.6	8.1	5.2	8.9	7.6	19.7	19.0	5.9	10.5	7.6	29.4	15.2	6.2	8.1	10.6	26.0	13.3
70-74	3.3	5.5	4.7	17.3	9.9	6.1	10.0	9.3	26.5	22.1	6.1	10.0	8.7	37.4	18.3	6.6	8.8	12.1	34.9	17.1
75-79	4.1	6.6	6.2	25.5	13.8	8.2	13.0	12.7	35.3	28.7	7.1	10.6	11.3	50.3	23.7	8.0	10.4	16.3	46.6	23.1
80-84	6.0	9.4	9.1	37.8	20.2	14.0	22.2	18.6	50.3	36.6	9.5	13.6	16.4	66.8	30.6	11.6	14.5	22.9	64.0	31.0
85+	9.9	15.4	14.6	58.8	32.1	25.7	34.6	30.1	70.6	50.7	15.6	22.2	25.0	95.2	44.3	18.2	23.0	30.1	91.9	44.3

Table H.2S.4

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years**

*all dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

RATES																				
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	222.6	254.3	194.6	236.4	199.1	340.9	391.0	301.4	315.5	343.1	234.0	337.0	191.6	224.9	231.8	171.0	195.7	133.9	154.1	140.3
0-14	66.1	71.4	56.0	64.3	45.5	358.8	394.1	275.1	313.5	258.9	54.3	72.4	52.6	59.0	45.9	66.1	71.4	56.0	64.3	45.5
15-19	34.7	38.8	27.6	41.3	22.2	136.4	153.5	104.9	118.5	103.2	28.6	38.3	28.0	31.2	24.7	34.2	37.3	29.4	33.7	24.2
20-24	46.2	53.1	38.2	55.6	31.3	159.3	184.5	126.8	142.4	126.2	37.8	51.2	37.6	41.7	33.6	44.9	49.6	39.3	44.3	32.4
25-29	53.6	61.4	44.8	63.4	37.4	166.7	187.2	129.7	144.0	129.8	44.3	57.6	42.6	46.9	38.4	50.0	55.0	43.6	49.3	36.7
30-34	72.1	81.5	60.4	83.0	51.3	172.1	198.8	141.7	156.4	143.4	53.5	69.6	51.6	56.7	47.3	63.1	66.3	53.0	58.9	45.1
35-39	92.9	106.6	80.1	107.0	69.3	220.7	240.5	168.0	184.2	172.1	71.1	90.3	68.0	73.8	62.5	75.9	83.6	67.9	75.4	58.5
40-44	109.5	127.1	97.0	125.8	85.3	235.3	265.8	189.6	206.0	193.8	87.5	114.5	83.7	91.9	78.9	94.8	103.4	85.2	93.2	73.0
45-49	134.6	155.8	120.5	151.9	108.0	264.8	305.2	210.7	226.6	220.2	109.1	138.5	105.6	113.4	99.5	114.2	124.8	104.6	113.6	90.4
50-54	176.0	200.7	157.5	192.9	143.8	291.1	343.1	246.0	267.0	263.2	154.7	180.0	144.6	149.1	132.7	147.6	164.3	130.2	146.6	118.3
55-59	205.0	233.4	185.8	221.1	172.7	294.7	364.8	254.4	276.1	277.0	177.0	208.6	167.8	170.2	155.3	170.9	181.5	159.8	167.4	136.4
60-64	252.9	285.2	230.3	266.3	218.0	333.5	406.5	303.1	328.5	326.0	235.3	286.3	212.7	223.1	206.3	228.8	244.0	201.1	216.6	182.2
65-69	320.9	357.2	292.6	328.6	282.0	390.3	477.0	346.0	366.6	382.9	298.4	359.1	269.8	282.3	264.8	290.6	306.6	255.5	272.6	227.9
70-74	355.6	388.6	322.9	352.4	316.9	418.5	498.2	360.0	378.0	402.1	347.4	402.4	309.2	322.2	311.4	316.6	333.7	288.6	302.2	265.5
75-79	420.8	452.5	381.3	404.4	381.1	466.6	540.6	403.5	413.1	446.7	427.6	492.6	369.7	394.0	382.5	383.0	399.5	349.5	367.5	319.8
80-84	514.2	544.9	465.9	480.1	474.1	520.2	611.1	444.0	462.1	501.6	529.1	578.9	481.6	487.8	480.9	499.5	511.8	430.9	444.7	405.0
85+	659.1	695.7	603.3	604.1	625.2	632.8	711.0	524.7	536.9	593.7	686.3	770.8	611.2	622.9	630.5	613.1	631.1	547.8	570.9	524.4

STANDARD ERRORS																				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	2.4	2.3	1.9	10.4	6.6	2.9	6.1	4.9	17.5	19.9	2.0	5.6	2.7	27.6	14.6	1.3	2.4	2.4	13.0	7.1
0-14	15.3	18.0	14.5	21.7	13.8	90.6	104.2	73.8	106.9	82.4	14.0	19.6	14.1	22.5	15.1	15.3	18.0	14.5	21.7	13.8
15-19	7.5	9.5	6.8	12.7	6.3	33.2	38.8	26.8	37.5	31.0	7.0	9.8	7.1	11.1	7.6	7.5	8.9	7.2	10.5	6.9
20-24	4.9	6.3	4.7	11.6	5.6	22.9	25.7	18.2	31.7	25.7	5.4	7.3	5.2	11.4	7.1	4.8	5.9	5.0	9.8	5.9
25-29	3.6	4.8	3.6	10.9	5.3	17.0	18.4	13.4	26.8	21.8	4.6	6.1	4.2	11.4	6.8	3.5	4.4	3.8	9.3	5.4
30-34	3.4	4.5	3.5	12.0	6.1	12.1	14.0	11.1	24.8	20.7	4.3	5.9	3.9	12.5	7.4	3.3	4.0	3.6	9.8	5.7
35-39	3.2	4.4	3.4	13.1	6.9	11.7	13.3	11.1	25.4	21.9	4.4	6.3	4.1	15.0	8.6	3.2	4.1	3.8	11.2	6.5
40-44	3.2	4.5	3.4	13.1	7.3	10.8	13.0	10.8	24.7	22.2	4.3	7.2	4.2	17.4	9.8	3.5	4.5	4.1	12.6	7.1
45-49	3.4	4.7	3.6	13.3	7.8	10.5	13.6	10.5	23.6	22.9	4.5	7.8	4.5	20.1	11.3	3.9	5.0	4.7	14.1	8.0
50-54	4.0	5.5	4.3	14.2	8.8	10.3	14.2	11.0	24.4	24.7	5.7	9.2	5.7	25.0	13.7	4.8	6.1	5.8	16.9	9.6
55-59	4.4	6.0	4.7	14.0	9.1	9.4	14.7	10.0	22.5	24.2	6.3	10.1	6.3	27.3	15.0	5.6	6.7	7.0	18.7	10.4
60-64	4.9	6.7	5.3	15.5	10.1	9.7	15.4	10.9	25.4	26.8	7.6	12.6	7.7	34.8	18.7	7.1	8.6	8.6	24.2	13.6
65-69	5.6	7.5	6.2	19.6	12.6	10.3	16.8	11.7	28.8	30.4	8.6	14.0	9.1	43.5	23.1	8.1	9.6	10.7	31.1	17.0
70-74	5.9	7.9	6.9	23.9	15.1	11.0	17.1	12.6	32.5	32.4	9.2	13.9	10.5	49.6	26.4	8.3	9.9	12.1	36.0	20.5
75-79	7.6	9.9	9.2	32.7	21.3	15.0	21.6	16.5	40.2	39.0	11.4	16.6	13.5	62.2	33.9	10.6	12.2	16.3	47.7	26.8
80-84	11.9	14.9	14.3	46.6	32.0	23.6	30.8	23.3	52.1	48.5	16.8	21.8	20.9	80.7	46.1	16.7	18.6	23.3	63.3	38.9
85+	20.3	25.2	23.9	69.8	50.7	39.8	44.2	34.3	70.4	64.6	27.1	35.9	31.0	108.5	66.2	26.6	29.0	34.4	90.1	56.8



Table H.3

**Death Rates: by Age Group**

male dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	226.6	279.4	157.9	177.0	182.3	278.2	325.5	203.3	210.7	258.7	243.4	335.3	161.4	189.3	192.2	190.2	227.0	126.7	133.6	120.9
0-14	38.9	44.1	38.2	27.1	21.2	165.5	186.1	134.2	100.3	97.6	28.8	42.4	31.7	23.8	19.8	38.9	44.1	38.2	27.1	21.2
15-19	24.2	29.2	18.7	18.3	13.0	67.4	73.6	50.0	39.4	40.8	17.0	23.9	17.9	13.9	11.5	22.2	24.3	21.1	15.8	12.3
20-24	36.3	45.9	30.1	29.7	21.4	99.8	113.7	77.9	63.4	65.3	27.1	40.0	29.7	24.4	20.1	36.9	41.2	36.2	27.1	20.8
25-29	47.3	59.2	40.2	40.2	29.3	110.8	121.2	87.2	70.4	71.7	32.2	45.8	34.5	29.5	24.1	40.2	44.9	41.1	32.5	24.8
30-34	65.3	80.9	54.3	56.0	41.3	135.1	148.1	104.4	86.6	86.9	41.9	60.9	42.5	39.8	31.9	51.8	56.2	52.6	42.8	33.0
35-39	80.0	97.9	67.3	69.5	52.2	152.1	168.3	115.6	102.3	103.7	54.6	71.9	55.4	50.0	40.1	65.1	67.7	66.9	53.5	41.1
40-44	97.1	120.3	81.1	86.4	65.6	168.9	190.4	131.4	122.4	122.7	74.5	94.7	71.4	65.2	52.2	80.6	89.9	77.7	68.5	51.3
45-49	115.1	140.9	95.6	103.6	79.6	173.4	207.3	130.6	131.6	131.3	87.5	107.8	83.6	77.3	60.2	96.8	106.1	89.2	82.1	61.2
50-54	145.0	171.7	121.6	133.1	106.1	193.1	226.3	156.9	158.3	163.5	119.9	143.1	110.3	104.6	84.1	123.8	135.4	109.9	105.6	81.8
55-59	174.1	201.0	147.2	160.6	126.5	219.4	257.7	174.8	181.3	183.6	143.7	167.5	133.1	128.0	99.0	150.9	157.6	141.5	133.4	94.3
60-64	217.7	251.0	178.2	199.4	159.3	252.2	298.5	198.8	225.9	207.0	205.7	248.1	172.1	176.1	133.3	207.8	218.7	180.8	175.1	129.0
65-69	285.5	319.2	233.1	263.1	213.8	318.6	366.6	247.1	271.5	259.4	259.5	299.0	213.9	235.3	175.6	256.9	266.5	230.1	231.3	167.9
70-74	338.6	367.5	277.3	321.8	264.1	376.0	415.2	293.3	346.9	330.3	323.1	358.0	261.7	296.1	228.1	304.4	320.0	266.8	291.6	203.9
75-79	400.1	423.9	334.5	388.6	325.1	439.3	477.5	345.8	393.6	377.9	390.5	419.9	323.4	386.1	291.3	368.2	377.4	335.3	372.2	271.4
80-84	475.3	499.6	403.7	477.4	397.5	534.4	590.4	406.9	471.2	427.9	456.6	476.3	402.6	506.6	380.4	455.0	472.8	403.1	470.3	327.8
85+	599.1	621.9	530.3	626.5	527.2	604.2	654.1	505.0	587.0	526.6	607.1	633.7	544.2	676.5	504.3	569.5	582.0	545.7	647.6	441.7
	STANDARD ERRORS																			
All	1.0	1.4	1.2	6.2	4.2	2.4	3.5	3.3	12.1	10.8	2.3	4.1	2.6	19.2	10.5	1.9	2.8	2.6	12.2	6.8
0-14	4.3	5.3	5.1	5.0	3.5	23.0	25.6	19.0	18.4	16.5	4.3	6.2	4.6	4.9	3.5	4.3	5.3	5.1	5.0	3.5
15-19	3.0	3.9	2.5	3.1	2.0	10.4	11.5	7.9	7.4	7.3	2.6	3.8	2.8	2.9	2.1	2.8	3.5	3.1	3.0	2.1
20-24	2.4	3.3	2.2	3.5	2.2	10.2	11.2	7.9	8.7	8.3	2.8	4.1	2.9	4.0	2.7	2.8	3.4	3.2	3.9	2.6
25-29	2.2	2.9	2.1	4.0	2.5	7.8	8.8	7.1	8.4	7.8	2.6	3.9	2.7	4.3	2.9	2.4	3.0	2.9	4.2	2.7
30-34	2.1	3.0	2.2	4.9	3.0	6.4	7.8	7.1	9.2	8.6	2.8	4.6	2.9	5.3	3.5	2.5	3.2	3.2	5.1	3.3
35-39	2.1	3.0	2.2	5.3	3.4	5.6	7.1	7.0	9.9	9.4	2.9	4.9	3.1	6.2	4.1	2.5	3.4	3.5	5.8	3.7
40-44	2.0	3.1	2.2	5.8	3.8	5.1	6.9	6.8	10.6	10.3	3.0	5.7	3.2	7.6	4.9	2.6	3.8	3.6	7.0	4.4
45-49	2.0	3.1	2.3	6.1	4.1	4.2	6.3	5.7	10.2	10.1	3.0	5.9	3.3	8.5	5.3	2.9	4.1	4.0	8.0	4.9
50-54	2.3	3.3	2.7	7.0	4.9	4.0	6.1	5.7	11.3	11.1	3.6	6.8	4.1	10.9	7.0	3.5	4.8	5.1	9.9	6.3
55-59	2.4	3.5	3.1	7.8	5.3	3.9	6.0	5.6	12.1	11.7	4.0	7.1	4.8	13.1	7.9	4.1	5.3	6.5	12.2	7.1
60-64	2.7	3.8	3.5	9.4	6.2	4.0	6.2	6.0	14.9	12.5	4.7	8.0	5.8	17.2	10.1	4.9	6.2	8.1	15.9	9.4
65-69	3.0	4.0	4.3	12.5	7.7	4.3	6.3	6.9	17.8	14.2	4.7	7.1	6.5	22.6	12.4	5.0	6.1	9.6	20.8	11.7
70-74	3.3	4.1	5.2	16.3	9.3	5.2	7.1	8.6	24.3	18.1	4.8	6.6	7.8	27.8	14.7	5.1	6.3	10.7	26.2	13.8
75-79	4.0	4.8	6.9	21.9	12.0	7.1	9.5	12.2	31.1	22.0	5.5	7.2	10.0	36.8	18.4	6.1	7.2	14.3	34.4	18.5
80-84	5.9	6.8	10.1	30.9	16.2	12.3	16.3	19.0	42.0	28.2	7.5	9.3	15.2	51.5	24.7	8.8	10.4	19.9	47.3	23.8
85+	9.9	11.3	15.9	46.0	24.7	23.3	29.2	30.5	57.5	38.7	12.8	15.9	23.6	72.5	36.8	14.8	17.1	31.0	69.9	34.6



Table H.3S 1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year**

male dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

RATES																					
1998	All	Diabetes					Hypertension					Other									
		All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian					
All	222.7	271.5	141.1	142.1	158.6	248.5	288.1	171.9	166.3	213.5	254.8	331.6	148.3	170.9	174.7	210.8	248.0	136.5	127.9	109.1	
0-14	41.2	43.6	47.1	25.0	13.3	139.3	156.3	128.4	76.4	52.5	24.9	36.3	27.9	17.9	10.6	41.2	43.6	47.1	25.0	13.3	
15-19	19.5	19.2	13.5	10.6	6.4	40.4	36.5	26.2	17.4	13.5	11.3	12.7	9.7	6.6	3.9	18.4	15.3	15.9	9.0	4.9	
20-24	32.1	38.1	27.3	22.0	13.5	70.8	78.0	56.9	39.5	30.9	21.9	29.5	22.7	16.1	9.8	34.9	35.3	37.0	21.6	11.8	
25-29	38.4	44.7	32.1	27.1	17.0	71.5	78.4	56.5	40.7	32.2	23.3	31.1	23.5	18.0	11.1	35.1	35.4	38.1	23.7	13.0	
30-34	61.7	72.5	52.7	45.4	29.1	101.9	112.8	82.9	61.5	49.2	36.5	49.5	36.0	29.6	18.5	55.6	53.4	62.5	38.4	21.6	
35-39	67.1	79.1	59.2	51.3	33.6	106.2	119.6	85.2	69.4	56.1	43.9	56.7	43.0	35.8	22.6	63.2	60.6	71.7	45.1	25.5	
40-44	74.8	91.0	63.5	58.5	38.9	115.7	129.5	91.4	74.9	62.1	50.6	66.2	48.0	42.4	26.9	68.3	70.0	74.7	52.7	29.6	
45-49	90.5	106.9	74.1	74.0	49.9	121.8	141.2	95.4	89.8	73.4	64.1	82.3	59.0	53.4	34.3	80.1	83.9	82.8	66.5	38.1	
50-54	119.7	137.9	98.5	98.3	70.4	153.7	178.9	123.6	116.0	100.0	90.5	114.1	81.2	77.6	50.7	105.5	110.5	110.0	90.5	55.0	
55-59	146.4	166.7	118.1	124.8	88.2	178.3	205.6	138.2	144.1	123.6	119.3	142.5	103.8	102.6	67.7	136.8	143.7	134.4	121.7	69.9	
60-64	182.9	214.6	144.0	152.1	110.8	208.9	244.8	159.2	173.6	142.0	164.2	197.4	130.7	138.9	93.2	204.3	215.2	182.5	156.6	95.8	
65-69	273.4	301.9	214.0	234.2	186.0	291.0	331.2	213.1	241.0	227.7	243.6	276.7	186.6	214.5	147.0	267.9	269.2	262.6	236.0	153.3	
70-74	333.9	361.9	267.5	300.2	229.3	357.0	390.6	266.8	318.9	282.0	319.9	345.6	249.4	279.7	193.4	320.4	330.2	294.6	307.9	188.0	
75-79	400.4	422.7	318.3	376.1	293.0	421.2	454.5	316.7	394.9	338.3	374.1	402.4	291.5	368.5	258.5	396.7	404.6	375.0	391.4	249.2	
80-84	486.0	500.1	408.0	482.0	374.1	533.9	569.7	418.6	469.4	410.2	460.2	477.6	381.0	508.0	355.0	459.3	471.1	443.5	533.2	326.2	
85+	617.0	629.7	536.9	634.8	511.1	589.7	677.6	446.4	594.9	529.9	595.8	612.8	517.6	689.3	498.4	618.3	611.3	680.9	719.2	449.9	

STANDARD ERRORS																					
1998	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	
All	0.5	2.8	2.7	12.5	8.3	3.3	3.8	4.0	14.8	12.2	3.9	5.1	3.7	28.2	13.4	3.5	4.0	4.1	19.0	9.4	
0-14	7.0	7.7	8.9	8.1	3.6	27.2	31.1	26.3	24.1	14.4	5.3	7.9	6.0	6.5	3.2	7.0	7.7	8.9	8.1	3.6	
15-19	4.7	5.0	3.6	3.6	2.0	10.7	10.5	7.7	6.2	4.5	3.0	3.8	2.8	2.7	1.4	4.5	4.2	4.4	3.4	1.6	
20-24	4.2	5.2	3.8	5.3	2.8	11.2	12.8	9.6	10.0	7.0	3.6	5.2	3.8	5.0	2.4	4.8	5.3	5.7	6.0	2.7	
25-29	3.6	4.5	3.4	5.6	3.0	8.2	9.4	7.5	8.9	6.2	3.1	4.5	3.2	5.0	2.4	3.9	4.3	4.7	5.8	2.6	
30-34	3.8	5.1	4.0	8.0	4.3	8.2	9.7	9.0	11.6	8.3	3.9	6.0	4.1	7.5	3.6	4.7	5.3	6.2	8.5	3.9	
35-39	3.4	4.7	3.8	8.0	4.5	7.2	8.7	8.2	11.8	8.6	4.1	6.3	4.2	8.4	4.0	4.5	5.3	6.1	9.2	4.2	
40-44	3.1	4.6	3.6	8.0	4.6	6.5	8.1	7.8	11.3	8.7	4.1	6.6	4.3	9.3	4.4	4.5	5.6	6.0	10.0	4.5	
45-49	3.0	4.6	3.7	8.9	5.3	5.6	7.4	7.0	12.1	9.2	4.5	7.5	4.7	10.9	5.1	4.8	6.0	6.5	11.9	5.4	
50-54	3.3	4.9	4.5	10.5	6.6	5.7	7.8	7.6	14.0	11.3	5.7	9.2	6.1	14.9	7.0	5.9	7.0	8.7	15.3	7.2	
55-59	3.5	5.2	5.0	12.2	7.4	5.7	7.7	7.7	16.1	12.8	6.7	10.0	7.4	18.9	8.7	7.0	8.2	10.5	20.0	8.8	
60-64	3.7	5.5	5.7	14.4	8.4	6.0	8.0	8.3	19.3	13.6	7.3	10.4	8.4	24.6	11.1	8.5	9.8	13.3	25.1	11.4	
65-69	4.5	6.1	7.6	22.2	12.6	6.8	8.6	10.1	26.6	19.3	7.9	10.1	10.6	36.9	16.3	8.9	9.8	17.4	37.5	17.2	
70-74	5.1	6.5	9.5	30.5	15.0	8.3	9.9	13.3	37.2	23.8	8.5	10.0	13.5	48.2	19.8	9.4	10.2	19.2	49.8	20.6	
75-79	6.3	7.7	12.1	42.4	19.5	11.1	13.1	18.1	51.9	29.3	9.3	10.8	15.7	63.8	25.8	11.3	12.1	25.1	64.9	27.8	
80-84	9.1	10.8	18.9	63.5	27.5	19.1	22.0	29.9	71.0	41.0	12.9	14.2	24.3	92.9	35.6	15.4	16.4	33.6	98.0	37.8	
85+	15.2	18.6	29.0	94.9	43.4	33.9	43.3	39.4	98.8	58.4	21.2	23.5	35.7	134.4	56.6	26.3	27.4	58.3	141.9	56.1	





Table H.3S.2

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years**

male dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	205.4	261.5	132.8	131.7	150.9	261.3	319.4	173.0	155.5	232.6	221.6	303.5	138.4	150.1	162.8	162.6	202.2	102.1	94.8	80.3
0-14	17.3	20.5	13.6	10.3	6.5	94.7	106.2	54.6	42.5	45.4	15.0	23.3	13.3	10.8	9.0	17.3	20.5	13.6	10.3	6.5
15-19	20.8	31.0	14.7	14.4	11.1	66.3	81.7	39.9	32.0	38.5	14.4	24.2	14.1	11.6	9.7	16.0	21.2	14.3	11.1	7.0
20-24	33.3	48.6	24.0	23.5	18.3	122.3	150.7	75.1	61.4	73.7	29.3	48.4	28.9	24.3	20.2	33.4	42.6	29.5	23.1	14.6
25-29	47.9	69.7	36.1	35.4	27.9	119.8	145.6	74.4	61.6	73.7	31.1	50.7	30.8	26.6	22.0	33.4	43.9	31.5	25.2	15.8
30-34	67.1	94.9	50.0	49.6	39.3	143.8	171.3	89.5	75.4	89.9	40.9	65.0	40.2	35.4	29.1	44.7	56.9	40.9	33.5	21.0
35-39	63.3	87.3	47.3	47.1	38.0	124.8	147.8	78.0	67.2	80.3	40.8	60.4	38.8	34.3	28.2	43.4	52.8	39.2	32.4	20.3
40-44	90.4	122.1	68.9	68.9	56.8	161.5	204.9	109.9	97.6	117.0	64.8	92.4	60.2	54.3	44.7	64.0	80.0	60.4	51.2	31.9
45-49	106.2	140.0	80.8	81.9	67.5	165.4	205.6	112.2	100.2	119.3	70.3	99.9	65.1	61.1	49.7	71.4	86.0	66.2	57.5	35.7
50-54	128.7	162.7	99.4	100.2	84.8	177.0	225.8	127.6	116.9	140.1	93.1	122.2	82.5	77.6	63.4	93.8	104.7	83.6	73.0	45.4
55-59	156.2	194.2	119.4	122.8	103.9	205.7	253.9	147.4	137.0	162.1	112.5	148.3	100.6	98.1	79.3	114.8	129.6	101.3	91.7	56.6
60-64	200.6	239.1	148.6	149.7	128.9	249.7	305.1	174.7	167.7	196.1	174.2	199.5	134.1	130.6	106.1	163.4	170.7	133.4	122.3	75.4
65-69	244.2	278.0	188.8	194.0	167.2	294.9	344.9	207.6	203.9	236.5	209.9	237.9	174.3	171.5	137.5	194.5	207.6	169.6	160.0	98.7
70-74	293.6	324.4	235.7	241.5	211.6	336.0	393.9	252.3	252.6	291.4	272.3	303.2	227.8	231.3	186.7	258.5	270.6	226.3	215.2	132.3
75-79	350.5	375.7	283.7	284.0	253.4	418.3	462.3	290.5	287.7	336.3	344.0	368.8	284.6	288.1	231.6	295.5	313.5	275.5	268.2	164.3
80-84	421.0	452.2	343.2	353.0	319.5	498.9	558.9	331.3	344.9	402.1	409.5	439.0	365.1	376.5	304.2	380.3	403.2	347.5	349.0	212.3
85+	537.4	573.2	457.9	471.5	426.2	526.5	619.6	417.0	431.9	497.3	570.7	609.4	472.2	510.4	409.0	491.2	516.8	471.1	473.6	286.0
STANDARD ERRORS																				
All	3.8	3.4	2.9	12.1	9.0	4.3	4.7	4.3	13.8	13.7	4.4	5.5	3.6	21.1	13.3	3.6	3.9	3.6	14.3	7.9
0-14	5.9	8.4	5.7	5.5	3.2	34.1	44.6	23.2	22.0	22.2	5.5	10.0	5.7	6.1	4.6	5.9	8.4	5.7	5.5	3.2
15-19	6.6	9.0	4.3	5.3	3.8	23.5	32.8	16.2	15.4	17.6	5.1	9.9	5.7	6.2	4.6	5.4	8.3	5.7	5.6	3.2
20-24	5.7	7.8	3.9	6.1	4.2	22.3	30.0	15.3	19.3	21.0	5.5	10.2	5.9	9.2	6.4	5.6	8.1	5.8	8.1	4.3
25-29	5.4	7.3	4.0	7.5	5.1	15.3	19.9	10.8	16.0	17.0	4.5	7.9	4.6	8.8	5.9	4.3	6.2	4.6	7.7	4.0
30-34	5.4	7.2	4.1	9.0	6.2	12.8	16.4	9.8	16.7	17.6	4.8	7.9	4.7	10.5	6.8	4.6	6.1	4.7	9.2	4.7
35-39	4.4	5.9	3.4	7.6	5.3	10.1	12.7	7.7	13.3	14.0	4.3	6.6	4.0	9.4	6.0	4.1	5.1	4.0	8.2	4.1
40-44	4.7	6.3	3.9	9.5	6.8	10.1	13.7	8.7	16.7	17.6	5.5	8.4	5.0	13.5	8.4	4.9	6.3	5.1	11.9	5.8
45-49	4.6	6.1	4.0	9.9	7.1	8.5	11.7	7.8	15.1	15.8	5.3	8.0	4.8	14.0	8.5	5.1	6.1	5.2	12.6	6.0
50-54	4.9	6.2	4.5	10.9	7.8	7.9	11.4	8.0	16.0	16.2	6.5	8.8	5.7	16.6	9.7	6.3	6.7	6.3	15.3	7.1
55-59	5.3	6.5	4.9	12.2	8.4	7.9	11.4	8.4	17.4	16.7	7.2	9.5	6.4	19.9	11.1	7.3	7.7	7.2	18.6	8.3
60-64	5.8	6.9	5.7	14.4	9.4	8.5	12.1	9.4	20.9	18.4	9.3	11.1	8.0	25.3	13.6	9.0	9.1	9.1	24.5	10.5
65-69	6.3	7.1	6.9	19.0	11.4	8.9	12.3	10.7	25.9	21.0	9.0	11.2	9.6	32.4	16.5	9.2	9.8	11.3	32.2	13.4
70-74	7.0	7.5	8.7	25.5	14.3	10.4	14.0	13.3	34.6	26.2	9.8	12.1	12.5	43.7	21.6	10.4	11.4	15.1	44.6	18.0
75-79	8.6	8.9	11.2	33.6	18.2	14.8	18.5	16.9	44.2	32.6	11.4	13.9	16.0	55.6	26.8	11.8	13.2	19.3	58.1	22.9
80-84	12.5	12.7	15.9	47.9	25.5	24.5	28.3	22.6	59.9	43.5	15.5	18.2	22.8	76.6	36.5	17.5	19.1	26.3	80.9	31.3
85+	20.9	20.7	24.9	72.8	39.5	37.3	39.9	33.2	84.9	62.2	26.3	30.1	33.0	110.5	53.5	28.4	29.5	40.1	117.9	45.5

Table H.3S3

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years**

male dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	257.4	323.4	175.3	209.5	219.1	322.8	386.5	229.1	247.8	319.0	257.7	364.8	169.3	205.7	205.0	208.0	250.9	129.1	134.3	130.6
0-14	59.6	68.4	48.2	27.7	28.3	333.8	369.8	221.1	140.2	181.4	54.4	82.8	51.6	32.3	32.8	59.6	68.4	48.2	27.7	28.3
15-19	33.3	46.3	24.1	22.4	18.7	140.5	168.1	97.6	66.8	88.9	31.2	50.4	31.8	21.0	20.8	33.8	41.7	29.8	18.1	18.0
20-24	41.4	57.6	30.9	29.5	24.7	149.1	177.7	104.3	75.0	97.7	36.7	58.1	36.9	25.7	25.0	39.1	48.1	35.0	22.2	21.7
25-29	61.8	86.1	47.5	46.5	39.1	167.8	198.8	119.1	89.8	114.4	46.6	71.1	46.1	33.6	31.9	50.0	59.6	43.7	29.2	27.8
30-34	72.2	96.9	54.9	55.2	46.6	167.3	189.0	112.4	89.1	110.8	49.6	73.0	47.1	36.5	33.8	48.7	60.0	44.7	31.6	29.6
35-39	101.9	135.9	79.2	81.6	69.3	205.9	238.2	144.3	120.7	146.9	68.8	100.2	66.5	53.8	48.9	71.1	84.0	63.6	47.0	43.0
40-44	123.0	162.5	97.4	102.9	87.8	228.9	267.8	166.2	146.1	173.4	90.9	123.6	84.8	71.0	63.1	87.5	105.5	78.7	61.9	55.5
45-49	138.1	176.5	108.8	117.8	101.1	217.9	264.6	160.7	152.0	177.4	96.1	132.7	90.3	80.6	69.9	100.7	114.5	86.5	70.7	62.1
50-54	169.3	213.4	135.3	150.3	129.5	239.2	287.7	185.2	179.7	205.7	117.4	162.6	108.7	104.6	89.1	126.9	140.7	106.5	92.2	78.9
55-59	201.1	247.7	161.6	184.0	159.3	267.2	320.2	205.4	210.2	237.6	147.5	194.5	134.1	134.3	111.9	153.5	166.7	132.5	118.9	99.3
60-64	251.0	299.5	201.0	234.6	204.0	308.9	381.7	243.7	272.2	298.0	229.3	270.5	185.1	190.7	154.0	205.4	218.6	178.7	168.2	138.3
65-69	305.4	341.5	235.5	282.0	246.3	360.0	422.2	268.6	303.6	320.6	277.6	320.7	211.1	232.7	184.2	245.5	256.6	207.6	206.2	164.5
70-74	357.1	392.9	278.8	342.2	300.4	425.1	475.0	312.5	373.3	391.9	338.0	386.8	262.2	305.9	237.4	301.6	322.7	254.8	274.3	212.2
75-79	419.4	452.8	330.7	416.2	367.0	464.8	518.8	354.8	440.0	450.3	415.4	452.0	330.3	400.0	304.9	374.7	386.3	322.8	358.3	276.0
80-84	484.9	520.0	390.5	504.1	446.6	534.8	590.3	397.9	519.6	514.9	473.6	522.6	394.1	513.3	383.3	470.5	479.1	395.6	459.9	344.9
85+	601.4	635.7	491.1	650.0	578.5	616.3	670.3	465.8	634.6	615.8	628.2	669.1	521.7	686.1	496.5	567.7	592.0	496.5	619.7	453.0

**STANDARD ERRORS**

All	2.6	4.0	3.2	16.0	11.3	3.5	6.6	5.7	20.7	19.8	3.1	7.0	4.2	30.6	17.4	2.8	5.1	4.6	20.1	11.7
0-14	12.2	19.1	13.8	10.8	9.6	73.5	107.2	65.3	52.6	62.0	12.3	24.6	15.3	13.3	11.8	12.2	19.1	13.8	10.8	9.6
15-19	5.9	14.6	7.7	8.8	6.7	31.9	50.3	29.4	24.4	30.3	7.1	15.3	9.6	8.5	7.4	7.2	12.1	8.7	7.0	6.1
20-24	3.9	9.6	5.2	7.8	5.6	19.8	29.4	17.5	18.8	21.7	4.9	10.0	6.2	7.7	6.1	4.6	7.5	5.6	6.2	4.9
25-29	3.7	9.0	5.0	9.9	6.9	15.0	21.6	13.5	18.3	20.0	4.4	8.6	5.2	8.7	6.4	4.1	6.4	4.8	7.0	5.1
30-34	3.3	7.7	4.5	10.2	7.0	11.1	15.6	10.2	15.7	16.7	4.0	7.2	4.3	8.6	6.0	3.5	5.3	4.2	7.0	4.8
35-39	3.4	7.9	4.8	12.9	8.8	10.4	15.1	10.6	18.5	19.2	4.4	8.2	4.9	11.6	7.7	4.3	6.1	4.9	9.4	6.2
40-44	3.2	7.6	4.7	13.9	9.6	9.8	14.6	10.6	19.4	20.0	4.7	8.8	5.2	14.1	8.9	4.5	6.6	5.3	11.4	7.3
45-49	3.2	7.0	4.5	13.8	9.6	7.9	12.7	9.0	17.7	18.2	4.6	8.5	5.1	14.8	9.0	4.8	6.6	5.5	12.2	7.5
50-54	3.4	7.1	4.8	15.2	10.6	7.4	12.3	9.3	18.6	18.6	5.2	9.4	5.7	18.0	10.5	5.7	7.4	6.4	15.0	8.8
55-59	3.5	7.1	5.0	16.6	11.4	7.2	12.2	9.4	20.1	19.6	5.9	10.2	6.6	22.0	12.2	6.5	8.2	7.7	18.5	10.5
60-64	3.9	7.3	5.6	19.8	12.9	7.7	13.5	10.6	24.8	22.8	7.9	12.6	8.6	29.9	15.6	7.8	9.7	10.1	25.6	13.9
65-69	4.2	7.2	6.1	24.1	14.4	8.0	13.5	11.3	28.2	23.4	7.8	12.6	9.3	35.7	17.6	7.9	10.1	11.5	31.3	16.2
70-74	4.5	7.9	7.4	31.8	17.6	9.5	15.1	13.6	37.5	28.9	8.1	12.9	11.4	46.8	21.9	8.3	11.3	14.0	42.3	20.8
75-79	5.5	9.5	9.7	43.9	23.4	12.5	18.7	17.4	49.5	35.8	9.4	14.1	15.2	62.8	28.3	10.2	13.5	18.6	57.4	28.1
80-84	7.8	13.3	13.8	61.5	32.6	20.5	27.8	22.9	66.4	45.7	12.4	18.3	20.1	84.6	37.2	14.4	18.5	25.2	78.5	37.5
85+	13.0	21.7	21.6	92.0	49.5	34.4	39.5	32.1	93.0	61.9	21.1	28.9	30.6	120.0	52.3	22.8	28.5	35.1	113.7	53.7



Table H.3S 4

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years**

male dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	213.8	251.5	177.8	246.2	211.6	333.5	382.9	279.6	336.0	363.3	223.6	327.1	179.6	234.7	240.9	168.7	194.3	128.1	164.6	150.2
0-14	62.0	68.2	52.9	63.7	46.5	333.5	368.2	255.7	309.1	258.8	52.0	69.2	50.1	59.7	46.9	62.0	68.2	52.9	63.7	46.5
15-19	30.7	36.3	25.2	40.5	22.4	124.6	141.7	96.5	116.8	102.1	26.9	36.3	26.5	31.5	25.1	31.2	35.0	27.8	33.2	24.5
20-24	40.5	49.7	34.8	54.9	31.6	146.7	170.7	117.2	141.8	125.4	35.6	48.5	35.6	42.6	34.2	41.0	46.8	36.9	44.3	32.9
25-29	47.9	57.6	41.5	64.0	38.4	152.9	173.5	121.6	146.0	130.2	42.1	55.0	40.7	48.6	39.5	45.9	51.7	41.3	50.0	37.8
30-34	61.9	75.3	56.2	85.5	53.6	159.4	184.1	134.0	161.7	145.7	50.9	66.9	49.6	59.9	49.1	56.9	61.9	50.7	60.8	46.7
35-39	86.8	100.5	76.3	112.4	73.3	204.9	222.8	162.9	194.3	178.1	68.0	88.0	65.6	79.3	65.6	73.3	78.7	67.7	79.7	61.8
40-44	104.5	124.7	91.3	135.1	89.9	222.9	250.4	183.0	221.3	201.7	85.2	113.1	81.2	100.0	83.4	93.9	101.4	84.2	99.8	77.4
45-49	134.8	155.8	118.0	163.9	114.6	264.3	302.6	204.5	245.2	229.3	109.7	134.2	106.8	124.7	105.4	116.0	125.6	103.6	122.9	96.2
50-54	177.5	202.0	154.7	214.9	158.0	287.7	332.9	239.9	295.6	277.1	159.3	180.1	147.2	166.4	143.5	149.8	167.2	128.4	159.1	127.9
55-59	215.2	237.2	191.9	246.7	184.7	306.7	371.2	254.6	307.4	291.1	183.2	208.5	173.2	193.1	166.7	179.1	185.2	163.3	187.0	148.4
60-64	258.2	292.4	228.4	307.9	237.9	340.5	405.0	301.5	369.8	351.2	243.3	293.1	216.0	257.3	222.9	231.6	247.4	202.0	245.2	196.5
65-69	336.7	377.7	295.4	379.1	306.7	414.7	494.2	357.4	425.2	408.8	307.3	365.5	275.5	330.5	290.8	305.2	324.1	257.8	312.1	250.5
70-74	369.2	401.4	327.5	418.2	359.8	435.9	496.1	373.6	446.3	439.1	363.3	417.4	314.5	383.2	345.0	328.5	343.0	298.6	352.8	293.2
75-79	439.8	466.8	390.0	489.0	433.5	500.0	558.9	421.3	490.8	494.8	458.7	512.2	387.7	476.8	425.8	393.0	404.9	358.8	435.3	363.1
80-84	524.1	556.6	482.3	585.1	530.9	531.8	607.3	466.9	563.8	558.1	537.9	583.5	496.3	597.9	537.9	521.5	532.9	454.8	532.6	451.9
85+	666.1	712.6	620.9	753.8	721.4	668.7	723.3	562.5	665.8	673.3	728.8	794.9	641.8	781.9	721.0	620.1	647.6	569.3	695.5	596.0
	STANDARD ERRORS																			
All	2.5	3.0	2.4	15.8	9.8	4.2	9.8	8.3	31.7	31.7	2.5	8.3	4.1	39.6	22.1	1.8	3.9	3.7	20.0	11.7
0-14	14.3	17.2	13.7	21.5	14.2	83.1	97.5	68.8	105.5	82.7	13.2	18.8	13.5	22.6	15.4	14.3	17.2	13.7	21.5	14.2
15-19	6.5	8.5	6.1	12.1	6.3	30.0	36.0	24.9	37.1	30.9	6.5	9.3	6.7	11.2	7.7	6.9	8.4	6.8	10.5	7.0
20-24	4.6	6.0	4.4	11.5	5.8	21.2	24.8	17.5	32.1	26.3	5.1	7.2	5.1	11.7	7.4	4.8	5.9	4.9	10.0	6.2
25-29	3.7	4.9	3.7	11.3	5.7	16.5	18.6	13.6	28.1	22.9	4.5	6.2	4.3	12.0	7.2	3.7	4.6	4.0	9.8	5.9
30-34	3.5	4.7	3.8	12.9	6.9	12.8	14.9	12.0	27.0	22.4	4.3	6.2	4.2	13.5	8.0	3.6	4.3	3.9	10.5	6.4
35-39	3.6	5.0	4.1	14.8	8.2	13.0	14.6	12.7	28.7	24.5	4.6	7.0	4.6	16.5	9.6	3.8	4.7	4.5	12.5	7.5
40-44	3.6	5.5	4.1	15.8	8.9	12.4	14.9	12.7	29.1	25.3	4.7	8.2	4.7	19.5	11.1	4.2	5.4	4.9	14.4	8.5
45-49	3.9	6.2	4.5	17.1	10.2	12.8	16.6	12.7	29.1	26.8	5.2	8.9	5.4	23.0	13.0	4.8	6.2	5.7	16.5	9.8
50-54	4.8	7.5	5.7	20.2	12.7	12.8	17.3	13.7	32.2	29.7	6.8	11.1	7.0	29.2	16.5	6.1	7.9	7.1	20.3	12.2
55-59	5.7	8.7	6.7	21.8	13.8	12.8	19.2	13.4	31.3	29.5	7.7	12.3	8.0	33.0	18.1	7.4	8.9	8.9	23.4	13.7
60-64	6.5	10.0	7.8	26.7	16.8	13.5	20.0	15.2	37.0	34.4	9.7	15.9	9.9	43.0	23.0	9.5	11.4	11.2	30.9	17.8
65-69	7.7	11.8	9.6	34.1	21.3	15.5	24.0	17.2	44.3	39.0	11.2	17.8	12.1	55.2	29.2	11.1	13.5	14.0	40.2	22.8
70-74	8.3	11.6	11.3	40.5	25.4	17.1	23.6	19.4	50.4	43.0	12.4	18.2	14.4	63.9	34.0	11.4	13.7	16.1	47.5	27.4
75-79	10.5	13.7	15.3	53.2	32.8	23.7	30.5	25.1	60.7	50.9	15.8	21.3	19.1	82.6	43.3	13.9	15.9	21.3	63.5	35.9
80-84	15.7	19.4	23.2	71.5	45.4	32.2	38.6	32.6	78.3	61.8	22.1	27.1	28.9	108.3	58.2	21.8	24.3	30.4	83.3	49.1
85+	26.7	32.2	35.1	104.5	69.7	51.7	54.7	45.7	103.3	82.5	36.6	44.9	41.6	149.4	84.5	33.2	36.8	42.9	119.2	71.3

Table H.4

**Death Rates: by Age Group**

female dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	233.0	279.0	189.2	184.6	172.5	274.9	323.6	228.7	211.6	240.3	256.4	351.4	191.4	200.4	188.2	179.9	213.1	134.5	126.6	106.0
0-14	42.4	46.0	39.8	25.0	20.3	177.7	196.8	141.0	93.3	94.4	31.1	44.2	32.8	21.8	18.8	42.4	46.0	39.8	25.0	20.3
15-19	27.1	31.7	20.7	17.8	13.1	71.0	77.8	52.3	36.6	39.4	18.2	24.8	18.4	12.7	10.9	25.4	26.1	22.0	14.5	11.7
20-24	40.3	49.2	33.4	28.6	21.4	103.9	119.5	82.0	58.5	62.5	29.8	41.3	31.4	22.0	18.8	39.6	42.5	38.3	24.6	19.8
25-29	52.9	64.4	44.1	38.4	29.0	120.6	132.4	90.4	64.4	69.2	35.1	47.9	36.0	26.6	22.4	44.9	48.6	43.0	29.3	23.2
30-34	71.9	86.8	59.3	52.9	40.6	136.1	152.2	107.9	78.9	82.7	45.2	61.3	45.9	35.2	29.6	58.5	63.7	53.3	38.6	30.8
35-39	84.1	105.6	69.9	64.9	50.3	157.0	184.8	113.4	92.8	96.4	54.7	76.0	54.6	44.5	37.0	67.8	77.4	63.9	47.5	37.1
40-44	100.2	122.3	86.9	80.9	62.8	170.6	200.4	136.8	111.4	111.7	70.9	92.1	70.8	57.9	47.2	78.8	87.8	78.1	62.0	47.1
45-49	114.9	137.2	101.6	94.6	75.2	166.4	200.3	137.9	115.7	123.5	85.3	113.2	79.9	67.2	55.4	85.8	94.9	87.4	70.9	54.1
50-54	146.2	175.5	126.1	121.8	97.7	184.9	237.5	149.1	138.1	148.2	113.9	134.7	110.0	91.2	72.6	119.7	132.1	108.7	96.8	70.1
55-59	170.7	199.7	150.2	143.9	117.0	199.1	244.8	169.4	158.3	162.7	141.8	163.8	134.3	110.4	89.5	144.9	158.9	132.3	113.1	83.0
60-64	204.1	239.5	176.4	177.8	147.4	233.5	283.2	198.3	199.4	190.6	178.8	223.0	160.4	147.4	118.8	190.8	203.1	169.2	153.6	118.8
65-69	267.0	303.5	229.4	235.4	199.6	285.7	331.8	238.4	253.5	252.2	242.5	292.7	208.4	196.2	160.5	241.0	257.2	213.7	199.1	149.4
70-74	319.0	359.5	271.0	282.0	240.4	345.9	404.0	279.9	298.6	281.0	296.6	344.6	253.2	255.6	209.8	295.5	313.5	264.7	248.5	185.6
75-79	377.6	410.0	330.9	340.8	294.6	409.1	455.2	347.1	356.7	362.3	363.0	404.7	313.4	326.2	257.2	350.3	366.6	328.1	316.5	227.2
80-84	456.2	487.6	405.8	411.3	359.9	488.5	559.0	387.4	415.8	411.4	447.3	472.9	425.1	414.1	319.2	440.3	455.6	401.5	400.8	306.8
85+	577.3	619.9	513.0	532.8	475.9	601.8	688.0	479.7	505.3	503.8	578.3	630.5	518.3	557.8	445.3	556.1	574.3	522.3	540.8	398.4

**STANDARD ERRORS**

All	1.0	1.5	1.3	5.8	4.0	2.2	3.5	3.1	10.6	9.9	2.7	4.9	3.1	20.3	10.5	2.0	2.9	2.8	11.8	6.0
0-14	4.8	5.7	5.3	4.7	3.3	24.8	27.2	20.0	17.4	16.0	4.7	6.6	4.8	4.6	3.4	4.8	5.7	5.3	4.7	3.3
15-19	3.4	4.2	2.8	3.1	2.1	10.9	12.1	8.2	6.9	7.0	2.9	4.0	2.9	2.7	2.0	3.3	3.7	3.2	2.8	2.0
20-24	2.7	3.5	2.5	3.5	2.2	10.3	11.7	8.2	8.2	8.0	3.2	4.3	3.2	3.7	2.6	2.9	3.6	3.4	3.7	2.5
25-29	2.4	3.2	2.3	4.0	2.5	8.0	9.4	7.2	7.8	7.6	3.1	4.3	3.0	4.0	2.7	2.7	3.3	3.1	3.9	2.5
30-34	2.5	3.4	2.5	4.8	3.0	6.8	8.6	7.3	8.6	8.2	3.4	4.9	3.3	4.9	3.3	2.8	3.7	3.3	4.7	3.1
35-39	2.4	3.5	2.4	5.2	3.3	6.5	8.9	6.9	9.2	8.8	3.4	5.6	3.5	5.7	3.8	2.8	4.0	3.5	5.4	3.4
40-44	2.4	3.5	2.6	5.7	3.7	5.7	8.3	7.0	9.9	9.5	3.7	6.2	3.9	7.0	4.5	3.0	4.2	4.0	6.7	4.0
45-49	2.3	3.4	2.7	5.8	3.9	4.5	7.1	5.8	9.3	9.7	3.8	6.9	4.0	7.6	5.0	3.0	4.1	4.3	7.2	4.4
50-54	2.5	3.7	3.0	6.5	4.6	4.0	6.8	5.2	9.9	10.6	4.4	7.5	4.9	9.8	6.2	3.7	5.0	5.3	9.5	5.5
55-59	2.5	3.7	3.1	6.9	5.0	3.6	6.1	4.9	10.3	10.7	4.6	8.0	5.4	11.4	7.3	4.2	5.6	6.3	10.8	6.3
60-64	2.5	3.8	3.2	7.9	5.8	3.5	5.8	5.0	12.2	11.5	4.8	8.8	5.7	14.6	9.2	4.9	6.3	7.6	14.2	8.8
65-69	2.8	4.0	3.7	10.1	7.2	3.6	5.7	5.2	14.6	13.3	4.8	8.3	6.2	18.8	11.5	5.1	6.5	9.0	18.1	10.6
70-74	3.1	4.3	4.3	12.5	8.4	4.2	6.6	6.2	17.9	14.1	4.9	8.0	6.8	23.7	14.1	5.6	7.1	10.6	22.7	12.8
75-79	3.9	5.1	5.8	16.9	10.9	5.8	8.7	8.9	24.2	20.0	5.7	8.4	8.6	30.3	17.1	6.8	8.3	13.9	30.0	15.9
80-84	5.7	7.3	8.6	23.5	14.8	9.8	14.7	13.8	32.6	26.7	7.7	10.6	12.9	40.4	21.3	10.0	12.0	19.6	40.4	23.1
85+	9.4	11.9	13.0	35.0	22.6	19.1	27.8	23.5	45.4	37.1	12.0	17.0	18.2	56.6	33.3	15.7	19.0	26.9	57.8	32.5



Table H.4S 1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year***female dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

RATES																				
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	225.6	274.0	169.7	147.4	152.0	245.2	289.2	193.6	163.1	195.3	266.4	357.3	179.3	179.9	171.6	192.7	229.3	141.5	115.5	91.9
0-14	37.9	40.7	41.2	18.6	10.9	125.6	145.7	115.2	57.7	44.0	22.0	33.3	25.0	13.5	8.8	37.9	40.7	41.2	18.6	10.9
15-19	18.7	19.3	13.4	9.0	6.1	36.3	34.2	24.0	13.4	11.4	10.1	11.8	8.8	5.0	3.3	16.7	14.0	14.1	6.7	4.0
20-24	30.8	38.1	27.7	18.6	12.8	64.0	74.3	52.0	30.5	26.4	19.7	27.6	20.8	12.3	8.3	31.4	31.5	34.3	16.2	9.8
25-29	36.8	47.0	32.7	22.9	16.2	69.1	79.0	53.6	31.6	27.9	21.7	29.9	22.1	13.8	9.4	32.2	33.4	33.5	17.8	10.9
30-34	59.2	73.2	52.5	38.3	27.7	93.3	107.1	76.5	48.7	42.8	33.8	46.4	34.8	22.9	15.7	49.5	52.5	52.0	28.9	17.8
35-39	64.3	80.5	56.3	43.3	31.9	103.2	122.0	79.5	54.7	49.3	39.2	54.5	38.8	27.9	19.4	58.1	59.0	62.6	34.6	21.6
40-44	71.6	86.0	62.6	49.5	37.3	103.0	121.4	84.9	60.3	54.2	44.9	60.4	45.0	33.3	23.3	61.1	66.0	65.4	40.0	25.4
45-49	86.8	104.8	75.9	62.3	47.5	119.9	141.6	97.3	72.4	64.8	59.2	79.0	56.0	42.5	30.4	68.4	73.6	73.8	50.4	32.2
50-54	115.0	141.6	98.5	82.7	66.0	141.2	174.4	116.4	90.9	90.1	77.8	103.2	74.0	61.2	44.1	108.0	117.4	106.3	72.3	46.4
55-59	140.5	168.7	116.6	102.7	83.1	158.8	196.0	127.0	110.7	110.6	108.1	136.7	95.3	82.8	59.3	135.5	145.3	132.3	94.2	60.0
60-64	174.3	204.0	137.7	128.9	107.7	189.2	231.7	146.9	142.7	138.3	144.1	183.7	122.7	110.4	81.9	177.8	185.7	166.3	127.4	84.5
65-69	261.9	299.9	212.1	201.7	172.1	271.7	312.5	222.8	217.1	197.7	241.3	294.7	190.2	171.8	128.8	252.1	274.0	215.4	185.4	133.7
70-74	317.6	358.1	245.6	249.0	210.2	322.9	379.0	242.1	258.0	236.6	297.8	351.4	227.0	229.8	179.8	308.5	326.6	286.5	245.2	162.3
75-79	385.2	412.2	338.4	310.3	274.0	405.6	440.9	344.8	312.5	316.8	369.1	394.0	328.3	303.6	230.6	379.2	393.3	355.2	319.5	219.1
80-84	468.4	498.4	426.1	396.4	357.9	506.2	559.2	413.0	386.9	409.5	450.3	477.7	412.4	416.5	304.7	468.9	472.5	478.9	427.7	301.8
85+	594.1	643.4	528.3	526.4	495.8	594.2	696.8	466.0	506.8	530.5	579.3	619.8	518.3	566.4	464.2	622.0	641.9	615.6	578.3	411.8
STANDARD ERRORS																				
All	0.5	3.1	2.9	11.3	8.0	3.1	3.9	3.7	12.3	10.9	4.5	6.4	4.3	29.5	13.6	3.7	4.4	4.4	17.5	8.1
0-14	6.5	7.3	7.8	6.3	3.0	24.6	29.1	23.6	18.7	12.2	4.8	7.4	5.5	5.1	2.7	6.5	7.3	7.8	6.3	3.0
15-19	4.5	5.1	3.6	3.1	1.9	9.6	9.9	7.0	4.9	3.8	2.7	3.5	2.6	2.1	1.2	4.1	3.9	3.9	2.6	1.4
20-24	4.1	5.3	3.9	4.7	2.7	10.1	12.1	8.7	8.0	6.0	3.4	5.0	3.6	4.0	2.1	4.5	4.9	5.3	4.7	2.3
25-29	3.5	4.8	3.5	5.0	2.9	7.9	9.5	7.1	7.1	5.4	3.0	4.5	3.2	4.0	2.1	3.7	4.2	4.3	4.6	2.2
30-34	3.8	5.6	4.2	7.2	4.2	8.1	10.1	8.3	9.6	7.3	3.9	5.9	4.2	6.1	3.1	4.5	5.5	5.4	6.8	3.2
35-39	3.4	5.4	3.9	7.1	4.3	7.7	10.1	7.8	9.6	7.6	4.0	6.4	4.2	6.8	3.5	4.5	5.5	5.8	7.5	3.6
40-44	3.1	5.0	3.9	7.2	4.5	6.6	8.8	7.3	9.4	7.7	4.1	6.6	4.4	7.6	3.9	4.5	5.6	5.8	8.0	3.9
45-49	3.1	5.0	4.1	7.9	5.1	6.0	8.4	7.0	10.1	8.3	4.8	7.9	5.0	9.0	4.7	4.6	5.7	6.3	9.5	4.7
50-54	3.3	5.6	4.7	9.0	6.2	5.6	8.2	6.9	11.1	10.3	5.7	9.3	6.2	12.2	6.3	6.4	7.9	8.8	12.9	6.3
55-59	3.4	5.7	4.9	10.0	7.1	5.2	7.8	6.6	12.2	11.6	6.7	10.8	7.1	15.6	7.8	7.4	8.9	10.6	16.0	7.7
60-64	3.5	5.6	5.0	11.3	8.2	5.1	7.5	6.6	14.4	12.9	7.3	11.6	8.0	19.8	10.1	8.5	9.9	12.7	20.9	10.4
65-69	4.3	6.5	6.6	16.8	11.7	6.0	8.2	8.3	20.7	16.3	8.7	12.8	10.3	29.9	14.7	9.8	11.5	15.2	29.7	15.7
70-74	4.9	7.1	7.6	21.5	13.6	7.0	9.6	9.6	25.7	18.6	9.0	12.3	11.2	38.4	19.4	10.8	12.4	19.1	40.0	18.4
75-79	6.2	8.4	10.8	30.2	18.6	9.9	12.7	14.6	35.6	27.2	10.3	12.8	15.6	51.3	24.0	13.1	14.5	24.5	53.9	25.5
80-84	8.9	11.8	16.0	44.3	26.6	16.5	21.2	23.1	49.8	38.9	13.2	15.9	20.9	73.1	32.3	18.1	19.6	35.5	76.4	36.6
85+	14.5	19.9	23.6	68.2	41.9	29.4	40.5	34.2	74.9	57.7	20.3	25.2	29.4	104.8	52.7	28.5	32.1	48.1	109.1	52.6



Table H.4S 2

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years**

*female dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	205.8	257.6	156.4	158.8	158.8	244.4	303.6	186.3	181.7	225.7	228.1	316.5	163.6	192.5	173.3	151.9	187.2	107.2	108.0	75.9
0-14	17.2	19.7	13.3	11.2	6.4	88.8	99.0	51.8	44.8	43.0	14.5	22.2	12.9	11.6	8.7	17.2	19.7	13.3	11.2	6.4
15-19	21.9	31.9	15.4	15.9	11.9	61.2	75.6	37.6	33.4	36.2	13.8	23.0	13.7	12.5	9.4	16.5	20.5	14.1	12.1	6.9
20-24	34.6	49.6	25.0	25.8	19.6	115.7	139.9	71.3	64.2	69.4	28.5	46.2	28.1	26.2	19.5	32.4	40.9	28.8	25.1	14.3
25-29	50.1	71.4	37.4	38.8	29.8	108.9	135.0	69.9	64.4	69.5	31.0	48.4	30.2	28.7	21.3	34.4	42.7	30.9	27.4	15.5
30-34	67.6	95.6	51.1	53.7	41.9	128.6	159.3	84.1	78.8	84.8	40.0	61.8	39.4	38.1	28.3	43.4	54.7	39.8	36.4	20.6
35-39	62.3	86.8	48.1	50.8	40.3	107.6	135.8	73.1	70.5	75.5	38.3	58.0	37.3	37.0	27.4	41.2	50.7	38.2	35.2	19.9
40-44	92.3	122.1	71.0	74.9	59.5	162.8	193.0	107.1	103.3	109.6	59.5	87.8	58.2	58.7	43.2	61.2	76.6	58.7	56.0	31.3
45-49	104.4	137.8	82.0	86.8	70.4	151.8	189.7	106.8	105.2	112.8	64.0	95.0	63.2	65.5	48.3	66.2	83.0	64.1	62.2	34.8
50-54	127.3	162.0	100.7	106.8	87.7	159.5	215.6	118.7	122.9	131.4	91.0	116.5	81.2	83.8	61.4	90.7	101.6	81.1	79.8	44.4
55-59	151.9	188.4	122.1	128.7	107.0	178.8	233.4	138.5	142.3	151.3	114.7	140.5	101.8	105.7	77.3	110.8	125.8	98.8	99.8	55.6
60-64	174.1	215.2	143.4	157.4	132.2	206.1	268.9	163.8	176.0	185.1	139.0	180.8	127.5	141.3	102.7	141.2	157.0	130.2	133.2	74.2
65-69	226.5	265.4	185.2	201.3	171.2	252.0	308.6	197.5	213.0	221.6	192.2	232.0	165.5	183.9	134.7	189.9	198.1	168.3	174.5	97.0
70-74	289.9	331.7	234.5	250.5	214.2	323.7	387.6	243.5	264.4	274.1	261.3	300.0	221.9	250.0	181.2	264.4	269.1	224.8	234.6	129.4
75-79	322.0	358.9	270.0	296.1	259.4	357.2	420.0	271.0	306.7	323.2	317.3	359.7	268.9	310.8	226.0	278.2	297.8	275.5	292.3	160.6
80-84	394.0	432.1	334.7	363.9	321.9	419.5	486.6	316.8	366.9	385.9	398.1	440.6	351.5	405.7	292.8	367.5	388.5	345.2	380.4	208.8
85+	516.3	556.6	444.2	481.9	432.5	555.2	607.6	398.7	452.4	474.2	535.4	586.7	457.3	555.4	399.1	456.1	491.0	460.4	517.6	284.3

**STANDARD ERRORS**

All	3.9	3.7	3.0	12.2	9.2	3.8	4.6	3.8	13.1	13.0	5.0	6.7	4.2	26.2	14.1	3.9	4.3	3.9	16.1	7.6
0-14	5.9	8.1	5.5	6.0	3.1	32.0	41.6	22.1	23.5	21.0	5.4	9.6	5.6	6.6	4.5	5.9	8.1	5.5	6.0	3.1
15-19	7.0	9.3	4.5	5.9	4.1	21.7	30.4	15.2	16.3	16.6	5.0	9.5	5.6	6.7	4.5	5.6	8.1	5.6	6.2	3.2
20-24	6.0	8.0	4.1	6.8	4.5	20.8	28.0	14.5	20.4	19.8	5.5	10.0	5.9	10.1	6.3	5.4	7.9	5.7	9.0	4.3
25-29	5.7	7.7	4.2	8.4	5.5	13.7	18.6	10.1	17.0	16.2	4.7	7.9	4.7	9.7	5.8	4.5	6.1	4.6	8.7	4.0
30-34	5.7	7.6	4.3	10.0	6.6	12.3	16.0	9.2	17.7	16.8	5.1	8.0	4.8	11.6	6.8	4.7	6.1	4.6	10.3	4.7
35-39	4.7	6.2	3.6	8.4	5.6	9.7	12.5	7.3	14.0	13.3	4.4	6.8	4.1	10.4	5.9	4.1	5.2	4.1	9.3	4.1
40-44	5.3	6.9	4.2	10.5	7.1	11.0	14.0	8.5	17.5	16.7	5.8	8.6	5.2	15.0	8.3	5.1	6.4	5.2	13.5	5.9
45-49	5.0	6.4	4.2	10.5	7.4	8.5	11.6	7.4	15.3	15.1	5.6	8.3	5.1	15.4	8.4	5.1	6.2	5.2	14.1	6.0
50-54	5.2	6.6	4.6	11.1	8.1	7.5	11.5	7.2	15.6	15.4	7.2	9.1	5.9	18.2	9.6	6.5	6.9	6.2	17.1	7.1
55-59	5.3	6.7	5.0	11.8	8.6	7.0	10.9	7.4	16.0	15.6	8.0	9.7	6.7	21.4	11.0	7.4	7.8	7.2	20.6	8.3
60-64	5.2	6.6	5.2	13.2	9.6	6.8	10.9	8.0	18.5	17.2	8.6	11.1	7.8	27.1	13.4	8.5	8.8	9.0	26.8	10.6
65-69	5.8	7.1	6.1	16.6	11.4	7.1	11.0	8.7	22.1	19.2	9.1	12.2	9.1	33.8	16.4	9.9	10.1	11.3	34.9	13.5
70-74	6.9	8.2	7.6	21.9	14.0	8.9	13.4	10.9	29.3	23.5	10.3	13.8	11.5	45.4	21.1	12.0	12.7	15.0	47.9	17.9
75-79	8.3	9.4	9.6	29.3	18.0	11.8	16.6	13.8	38.8	29.7	11.8	15.6	14.3	57.0	26.2	13.2	14.4	19.1	62.0	22.9
80-84	12.1	13.1	13.8	41.9	25.1	18.6	23.6	19.2	53.6	40.6	16.0	20.3	20.2	77.8	34.8	19.3	20.5	25.8	85.2	31.3
85+	20.2	21.4	21.6	64.4	39.6	36.2	38.8	29.1	76.9	57.5	24.7	30.6	29.1	112.6	52.0	28.7	30.2	37.8	124.0	45.8



Table H.4S3

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years***female dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

RATES																				
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	263.2	316.9	214.0	224.1	200.2	318.9	379.1	264.2	257.5	297.9	267.6	370.2	202.0	221.1	198.0	191.3	228.2	138.0	129.4	113.1
0-14	65.2	72.5	53.6	28.5	28.5	358.2	397.9	248.9	146.2	185.6	59.7	89.2	58.1	33.7	33.6	65.2	72.5	53.6	28.5	28.5
15-19	37.7	50.1	28.1	23.9	18.8	148.1	179.7	109.0	69.1	90.3	33.8	53.8	35.4	21.7	21.1	36.7	43.8	32.8	18.4	18.0
20-24	46.2	61.6	35.6	31.0	24.5	152.8	187.4	115.2	76.8	98.1	39.4	61.2	41.0	26.3	25.0	41.9	50.1	38.0	22.3	21.4
25-29	68.0	91.1	54.1	48.4	38.4	174.6	208.0	130.7	90.9	113.8	48.2	74.3	50.0	34.0	31.6	51.9	60.8	47.2	29.0	27.2
30-34	78.3	101.4	61.9	56.8	45.2	164.2	191.8	122.5	89.2	109.0	50.6	75.0	50.9	36.4	33.2	53.3	61.3	48.1	31.2	28.6
35-39	108.4	140.5	88.3	83.0	66.5	205.9	245.8	153.9	119.8	142.7	69.9	103.3	70.3	53.3	47.5	75.9	86.3	67.1	45.8	40.9
40-44	128.2	166.1	107.3	103.5	83.3	224.5	272.6	175.0	142.9	166.8	89.1	125.9	88.1	69.5	60.6	90.2	103.7	83.6	60.1	52.3
45-49	140.5	178.3	118.6	117.2	94.7	206.9	261.4	170.1	146.2	168.5	100.6	134.5	95.0	78.1	66.4	95.9	109.5	89.9	67.7	57.8
50-54	176.3	213.3	145.7	147.8	120.0	241.0	301.6	187.1	173.7	193.5	126.6	161.3	116.7	100.5	83.6	115.6	134.2	107.5	87.0	72.8
55-59	207.4	244.8	172.1	178.9	145.9	257.4	319.6	212.3	202.0	218.5	159.5	193.4	143.2	127.4	103.8	150.3	164.1	131.5	111.1	90.7
60-64	249.9	292.6	211.5	225.6	184.8	310.9	383.6	255.5	255.8	273.3	213.1	258.5	185.5	178.1	141.9	199.5	215.2	173.3	156.0	125.0
65-69	281.6	329.5	245.0	268.1	220.6	310.4	376.8	257.2	285.9	303.8	243.1	288.0	211.9	215.6	169.2	228.4	245.0	202.3	188.3	146.5
70-74	330.8	374.9	286.7	321.6	266.0	373.0	434.1	309.2	344.2	348.5	296.7	349.4	261.6	282.6	215.8	286.7	300.8	251.8	248.1	190.4
75-79	390.4	427.4	336.2	386.7	321.2	434.7	493.7	354.0	403.4	406.7	369.6	426.1	314.1	363.9	271.2	350.2	367.1	308.7	319.1	240.5
80-84	453.5	485.3	392.7	463.0	386.4	482.3	559.2	382.1	470.4	453.6	448.4	489.5	401.8	459.0	336.6	427.9	439.7	373.9	408.0	301.2
85+	551.8	586.6	488.2	590.3	495.0	539.8	613.4	447.0	568.0	542.8	584.3	635.3	497.3	609.3	434.6	509.3	539.1	471.0	540.5	387.8
STANDARD ERRORS																				
All	2.7	4.2	3.4	15.4	10.8	3.2	6.5	5.3	18.7	18.5	3.6	8.3	5.0	33.2	17.3	2.9	5.3	4.9	19.8	10.4
0-14	13.5	20.4	15.5	11.4	9.7	79.4	115.9	73.5	55.6	63.7	13.7	26.8	17.4	14.2	12.2	13.5	20.4	15.5	11.4	9.7
15-19	6.7	15.9	8.9	9.5	6.8	33.6	53.8	32.8	25.5	30.8	7.8	16.4	10.7	8.9	7.6	7.8	12.8	9.6	7.2	6.1
20-24	4.3	10.3	6.0	8.4	5.6	20.0	31.0	19.2	19.6	21.8	5.4	10.7	6.9	8.1	6.2	4.9	7.9	6.1	6.5	4.8
25-29	4.1	9.6	5.8	10.6	6.8	15.3	22.6	14.7	18.9	20.0	4.9	9.3	5.9	9.1	6.4	4.4	6.6	5.2	7.3	5.0
30-34	3.6	8.2	5.1	10.8	6.8	11.3	16.3	11.0	16.0	16.5	4.3	7.8	4.9	8.9	6.0	3.9	5.6	4.5	7.2	4.7
35-39	3.9	8.6	5.4	13.5	8.5	11.5	16.9	11.3	18.7	18.8	5.1	9.1	5.6	11.9	7.7	4.6	6.5	5.3	9.7	6.0
40-44	3.8	8.2	5.3	14.5	9.2	10.6	16.0	11.1	19.3	19.4	5.6	9.7	6.0	14.3	8.8	4.9	6.9	5.8	11.8	7.0
45-49	3.5	7.4	5.0	14.0	9.2	8.2	13.6	9.4	17.1	17.4	5.6	9.3	5.9	14.8	8.8	4.9	6.5	5.8	12.3	7.1
50-54	3.7	7.3	5.2	15.1	10.1	7.6	13.5	9.0	17.7	17.9	6.4	10.1	6.6	17.8	10.2	5.5	7.3	6.6	15.0	8.3
55-59	3.8	7.2	5.3	15.7	10.7	6.9	12.7	9.1	18.1	18.2	7.1	11.0	7.4	21.2	11.7	6.7	8.3	7.7	18.3	9.7
60-64	3.8	7.3	5.6	17.7	12.0	7.1	13.4	9.9	21.3	21.1	8.1	13.2	8.8	28.2	14.9	7.9	10.0	9.7	24.9	12.8
65-69	3.7	7.1	5.8	20.4	13.3	6.2	11.7	9.2	23.1	22.0	7.5	12.7	9.2	33.0	16.7	7.8	10.2	11.1	29.6	14.6
70-74	4.1	7.7	6.7	26.0	16.1	7.2	13.1	11.0	29.6	25.0	7.8	13.7	10.6	42.7	20.7	9.0	11.8	13.7	39.4	19.2
75-79	5.1	9.4	8.7	35.6	21.1	9.9	16.9	14.3	39.1	31.7	9.3	15.4	13.2	55.6	26.2	10.8	14.3	17.6	52.3	24.9
80-84	7.5	13.1	12.5	50.2	28.8	16.0	24.9	19.2	53.6	39.8	12.6	19.3	18.9	72.9	33.5	15.6	19.4	23.5	70.4	33.2
85+	11.9	20.5	19.5	75.4	43.1	26.3	34.4	27.7	75.0	54.2	19.5	29.2	26.2	102.3	47.3	22.5	28.3	31.8	99.2	46.6

Table H.4S 4

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years**

*female dialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	232.2	257.4	213.0	227.9	187.4	346.8	399.1	315.4	300.1	325.7	248.5	351.1	208.5	215.8	222.4	173.6	197.3	140.7	143.1	131.2
0-14	75.4	79.0	61.2	58.3	46.3	409.8	440.4	301.5	290.1	264.9	62.7	80.5	57.3	54.4	46.6	75.4	79.0	61.2	58.3	46.3
15-19	39.9	42.7	30.2	37.9	22.2	150.0	167.9	112.5	108.5	103.4	31.7	41.5	29.8	28.3	24.5	37.8	40.7	31.2	30.1	24.0
20-24	52.4	57.4	41.4	50.3	30.7	173.2	199.2	134.4	129.7	124.9	41.6	54.7	39.7	37.5	32.9	48.9	53.0	41.6	39.3	31.9
25-29	60.5	66.3	48.3	57.6	36.4	179.1	202.2	136.2	131.4	127.7	47.7	61.0	44.6	42.2	37.3	54.6	59.1	45.9	43.7	35.7
30-34	84.6	89.2	65.3	75.7	50.2	190.4	216.6	148.9	143.2	140.7	58.5	73.7	54.2	51.1	45.6	69.4	72.0	55.5	52.3	43.7
35-39	100.8	116.6	83.4	96.8	66.5	234.3	264.0	173.9	168.9	167.2	76.9	94.5	71.5	66.6	60.1	79.9	90.6	68.6	66.9	56.2
40-44	117.0	134.6	102.3	114.2	80.6	248.1	286.1	197.0	188.0	187.2	92.8	117.5	87.3	82.8	75.0	96.4	106.9	86.7	82.4	69.6
45-49	134.4	155.8	124.8	136.2	100.8	260.9	308.0	216.5	206.4	210.9	109.7	143.4	104.1	101.3	93.4	112.2	124.2	105.4	99.7	85.0
50-54	174.1	197.6	162.4	175.9	132.8	295.3	354.6	251.9	240.7	249.2	146.1	179.4	140.8	132.6	121.7	145.3	161.1	131.8	129.7	109.3
55-59	193.9	219.0	187.5	196.6	157.5	285.3	357.9	254.2	251.4	263.3	167.3	207.4	160.9	151.0	143.4	162.4	177.6	155.4	145.7	125.3
60-64	248.0	277.5	232.2	240.6	200.6	331.7	408.5	305.0	300.2	303.5	223.7	275.9	208.7	197.1	189.0	224.1	239.5	199.7	188.8	168.5
65-69	308.1	344.1	287.7	293.2	254.5	377.0	465.1	339.7	334.4	363.2	288.6	350.6	264.8	251.4	240.7	276.1	290.5	254.0	239.9	209.1
70-74	345.2	376.7	320.6	315.5	291.0	408.9	502.2	353.5	344.7	374.6	331.2	384.0	305.3	285.5	280.5	306.7	324.9	280.1	264.9	242.3
75-79	405.0	439.6	374.2	366.8	337.6	447.8	529.3	396.2	380.9	411.6	397.8	468.0	356.6	349.2	343.5	374.6	393.6	343.0	323.0	285.1
80-84	505.3	532.0	455.2	429.1	421.8	515.1	620.3	434.1	422.1	460.9	521.9	570.3	471.4	432.2	429.6	473.4	488.4	411.7	390.7	365.9
85+	653.2	681.8	584.9	539.1	546.7	598.8	709.0	506.6	491.7	539.9	652.6	741.2	590.2	549.5	554.0	610.5	614.1	534.3	502.1	467.1

**STANDARD ERRORS**

All	2.7	3.2	2.8	14.1	8.9	3.9	10.1	7.6	26.6	28.1	3.1	9.9	5.1	36.5	20.9	1.9	4.1	4.1	18.0	10.3
0-14	17.9	20.2	16.0	20.4	14.2	103.3	117.7	81.6	101.9	85.2	16.1	22.1	15.6	21.3	15.5	17.9	20.2	16.0	20.4	14.2
15-19	8.5	10.1	7.3	11.7	6.2	36.2	42.8	29.0	35.3	31.4	7.7	10.8	7.6	10.3	7.6	8.4	9.8	7.7	9.8	6.9
20-24	5.8	6.9	5.3	11.0	5.6	25.0	29.0	20.0	30.6	26.2	6.0	8.2	5.8	10.7	7.2	5.6	6.7	5.6	9.4	6.1
25-29	4.6	5.6	4.4	10.8	5.5	19.0	21.6	15.1	26.5	22.5	5.3	7.1	4.9	10.8	7.0	4.4	5.3	4.4	9.1	5.6
30-34	4.7	5.6	4.5	12.3	6.6	14.9	17.6	13.1	25.1	21.7	5.3	7.1	4.9	12.0	7.6	4.3	5.1	4.3	9.8	6.1
35-39	4.4	6.0	4.7	13.8	7.6	15.1	18.1	13.2	26.3	23.1	5.8	7.9	5.4	14.5	9.1	4.3	5.5	4.6	11.3	6.9
40-44	4.5	6.4	5.0	14.5	8.2	14.2	17.8	13.4	26.1	23.7	6.1	9.1	5.8	16.9	10.4	4.7	6.1	5.3	13.0	7.8
45-49	4.7	6.7	5.5	15.3	9.2	13.5	18.0	13.4	25.6	24.7	6.4	10.2	6.2	19.4	11.9	5.2	6.5	6.2	14.6	8.8
50-54	5.4	7.7	6.5	17.6	11.0	13.6	19.3	14.1	27.0	27.0	7.7	11.9	7.8	24.0	14.4	6.3	7.8	7.6	17.8	10.6
55-59	5.6	8.2	6.9	17.8	12.1	11.6	18.8	12.5	25.6	26.9	8.2	13.0	8.4	26.2	16.0	6.9	8.4	8.8	19.3	11.6
60-64	6.2	9.6	7.6	20.6	14.7	12.1	20.2	13.6	29.1	29.5	9.9	16.2	10.1	33.2	20.2	8.9	11.0	10.8	24.7	15.5
65-69	6.7	10.5	8.7	24.7	17.8	12.1	20.5	14.1	31.9	34.3	11.1	18.4	11.8	41.5	24.9	10.0	12.0	13.6	31.6	18.9
70-74	7.1	10.7	9.7	27.6	20.3	12.9	21.6	14.9	34.6	35.2	11.6	18.4	13.3	47.1	28.1	10.5	12.7	15.1	35.4	22.4
75-79	9.2	13.5	12.6	35.4	25.7	16.8	25.9	19.0	41.8	41.6	14.3	22.1	16.3	58.4	35.8	13.8	16.4	20.0	45.8	28.0
80-84	14.7	19.7	19.3	47.0	36.8	26.9	38.0	26.4	51.7	50.6	21.3	29.3	24.6	75.0	47.5	21.0	23.6	27.1	59.9	40.2
85+	24.7	31.3	30.3	67.6	53.6	41.1	51.1	37.5	68.6	64.8	32.1	44.2	35.4	99.4	65.4	33.1	35.4	39.6	83.8	56.6





Table H.5

**Death Rates: by Age Group***all hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

RATES																				
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	221.6	272.5	167.6	175.7	176.4	255.8	302.3	203.4	198.2	233.8	236.2	327.2	167.5	188.3	188.2	182.2	219.3	126.4	127.2	113.1
0-14	35.0	40.4	32.4	23.0	17.3	149.2	167.4	116.2	85.5	80.1	23.8	36.7	26.4	19.3	15.7	35.0	40.4	32.4	23.0	17.3
15-19	24.6	28.3	17.6	16.6	12.2	62.7	65.4	43.3	33.4	33.5	14.7	20.7	14.9	11.3	9.2	21.8	22.2	18.3	13.2	10.1
20-24	36.1	46.1	29.6	28.1	20.8	98.3	114.7	76.6	60.2	60.5	24.8	38.5	28.2	22.2	18.1	37.3	41.1	36.4	25.5	19.2
25-29	48.4	60.8	40.2	38.4	28.8	119.3	124.8	89.0	65.6	65.7	29.6	43.4	32.1	26.7	21.5	39.3	44.0	39.6	30.3	22.4
30-34	64.1	80.6	52.7	51.8	39.4	135.3	152.2	99.6	79.3	77.9	38.0	58.1	38.6	35.3	28.2	50.9	56.2	49.2	39.1	29.9
35-39	76.4	96.0	64.2	63.5	49.1	142.3	163.5	107.5	92.3	91.6	49.9	67.7	50.4	43.5	35.1	62.5	68.6	61.2	47.8	36.1
40-44	93.1	116.9	79.6	80.1	62.2	154.1	180.7	124.9	112.2	107.4	68.9	89.3	66.7	58.0	45.8	77.7	86.2	75.1	63.2	45.9
45-49	109.1	134.8	93.0	95.0	75.3	155.2	190.5	121.7	116.7	120.7	82.2	107.1	77.0	67.7	54.2	87.9	97.8	83.1	74.1	53.9
50-54	134.6	162.6	114.8	118.4	95.7	168.8	207.9	137.4	133.8	143.5	109.0	129.1	102.3	91.8	72.5	114.4	128.4	100.0	94.3	68.9
55-59	159.4	186.3	139.1	141.1	115.5	184.0	219.6	156.4	152.0	158.1	134.3	156.9	125.7	108.4	87.2	139.0	148.5	129.5	114.2	80.6
60-64	196.3	230.7	166.7	175.9	145.4	216.6	259.9	181.0	192.5	176.2	180.8	225.6	157.0	146.8	116.1	187.4	201.3	162.3	152.4	116.6
65-69	254.3	289.6	213.8	229.1	194.3	271.7	316.0	220.6	239.2	237.9	234.1	278.0	198.6	198.5	159.2	238.4	253.5	206.8	198.4	152.3
70-74	306.2	341.0	255.5	279.7	238.9	331.7	380.4	263.3	299.8	287.2	291.8	332.5	243.6	254.6	213.7	283.1	300.8	247.9	251.7	184.7
75-79	365.8	393.7	314.1	339.9	292.7	393.2	433.1	328.5	351.4	347.0	357.1	392.3	300.7	330.1	263.0	342.0	354.3	313.8	326.1	234.8
80-84	438.2	465.3	382.2	413.3	359.1	474.4	534.8	372.6	411.8	399.1	426.0	446.7	395.3	427.8	331.6	427.0	444.0	382.1	400.8	299.5
85+	555.4	586.2	492.1	538.6	476.4	572.1	635.1	470.1	501.9	491.5	560.8	595.9	505.1	570.5	462.9	534.4	549.2	501.3	556.3	404.9
STANDARD ERRORS																				
All	1.1	1.0	0.8	3.7	2.6	2.4	2.4	2.2	7.4	7.2	2.6	3.1	1.9	16.2	8.4	2.1	2.0	2.1	10.2	5.4
0-14	6.8	8.2	6.9	6.0	4.2	36.1	37.0	26.1	22.4	20.1	6.2	8.5	6.1	5.5	4.1	6.8	8.2	6.9	6.0	4.2
15-19	4.3	5.0	3.1	3.6	2.4	13.9	13.2	8.8	7.8	7.6	3.3	4.2	3.0	2.9	2.2	3.6	4.0	3.4	3.2	2.2
20-24	3.0	3.8	2.5	3.8	2.5	12.7	12.8	8.8	9.6	9.0	3.4	4.6	3.2	4.2	2.9	2.9	3.6	3.4	4.3	2.7
25-29	2.6	3.3	2.3	4.3	2.7	8.8	9.5	7.7	8.9	8.3	3.1	4.3	2.8	4.5	3.0	2.4	3.0	2.9	4.5	2.8
30-34	2.4	3.2	2.2	4.9	3.2	6.6	8.1	7.0	9.5	8.8	3.0	4.9	2.8	5.4	3.6	2.4	3.1	2.9	5.2	3.4
35-39	2.2	3.0	2.1	5.2	3.4	5.5	6.9	6.4	9.9	9.3	2.9	5.1	2.8	6.1	4.1	2.4	3.3	3.0	5.9	3.7
40-44	2.1	3.0	2.1	5.6	3.8	4.7	6.4	5.9	10.3	9.9	2.9	5.8	2.9	7.6	4.9	2.5	3.6	3.3	7.2	4.3
45-49	2.1	2.9	2.1	5.6	3.9	3.7	5.5	4.6	9.3	9.9	2.9	6.0	2.9	8.2	5.4	2.6	3.6	3.5	7.9	4.8
50-54	2.2	3.0	2.3	5.9	4.3	3.3	5.0	4.2	9.4	10.1	3.4	6.3	3.6	10.5	6.7	3.2	4.2	4.4	9.6	5.7
55-59	2.3	3.0	2.5	6.0	4.5	3.0	4.6	4.0	9.5	10.1	3.6	6.5	4.0	11.8	7.5	3.6	4.5	5.4	11.3	6.5
60-64	2.3	3.1	2.7	6.7	5.0	3.0	4.5	4.1	11.3	10.3	4.0	6.9	4.5	15.2	9.4	4.2	5.1	6.4	14.7	8.9
65-69	2.5	3.2	3.0	8.5	5.9	3.1	4.5	4.3	13.3	11.8	3.9	6.1	4.8	19.8	11.3	4.3	5.1	7.5	18.7	10.8
70-74	2.8	3.4	3.6	11.2	7.0	3.7	5.2	5.3	17.6	13.3	4.0	5.6	5.5	24.1	13.3	4.5	5.2	8.4	23.5	12.3
75-79	3.4	3.9	4.8	16.0	9.3	5.1	6.8	7.6	24.5	18.1	4.6	5.9	7.0	31.1	16.2	5.3	5.9	11.3	31.6	15.8
80-84	5.0	5.5	7.3	23.5	13.1	8.7	11.7	12.4	34.6	25.0	6.1	7.5	10.7	43.6	20.6	7.6	8.5	16.4	42.4	22.1
85+	8.3	9.2	11.5	36.5	21.0	17.4	23.1	22.6	49.8	36.6	10.0	12.4	15.9	61.9	33.8	12.4	13.7	24.4	63.7	33.3



Table H.5S 1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year**

*all hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	221.6	272.9	153.1	143.0	157.6	230.8	272.7	172.9	153.4	191.9	247.5	331.5	154.6	168.3	168.3	203.4	244.7	134.8	120.6	105.7
0-14	28.2	29.2	29.5	11.8	8.5	89.1	97.5	78.7	34.1	30.7	14.3	21.5	15.7	7.3	5.7	28.2	29.2	29.5	11.8	8.5
15-19	23.4	22.0	15.5	9.3	7.4	42.6	37.7	27.0	13.2	13.0	11.1	12.9	9.4	4.7	3.6	21.3	17.0	16.9	7.3	5.4
20-24	29.5	35.8	26.2	16.1	12.7	60.7	69.8	50.3	26.3	25.9	17.8	25.9	19.2	10.2	7.9	32.7	33.1	35.4	15.5	11.0
25-29	38.4	46.3	33.2	21.7	17.1	71.7	79.1	56.8	29.6	28.9	20.7	29.6	21.2	12.5	9.6	34.7	35.2	37.2	18.4	13.0
30-34	61.4	75.9	53.2	37.4	29.9	99.9	115.1	77.9	46.0	44.2	32.6	47.0	32.6	21.0	16.1	53.4	53.7	58.1	29.9	21.5
35-39	66.0	79.8	59.8	42.8	34.1	97.1	112.8	78.4	51.7	50.4	37.4	52.0	37.7	25.6	19.5	63.7	62.2	70.4	35.7	24.8
40-44	76.3	93.2	67.3	51.5	40.3	109.5	125.3	93.2	60.8	57.4	47.4	65.5	46.0	33.1	24.7	69.0	72.7	74.9	44.7	30.4
45-49	91.0	111.2	76.1	66.3	51.1	117.6	138.0	96.5	73.8	66.4	60.2	85.4	53.7	41.9	31.4	76.1	82.2	77.6	56.9	38.2
50-54	115.0	137.8	97.1	85.5	70.8	137.3	160.3	118.0	92.9	94.7	79.0	110.5	70.0	60.7	45.3	106.3	116.0	104.1	76.6	53.9
55-59	137.9	163.4	112.9	104.4	84.7	149.8	180.0	119.6	109.2	109.7	111.1	138.1	96.0	81.1	58.8	135.9	147.8	124.6	100.2	65.8
60-64	171.3	205.4	132.8	127.4	102.6	179.1	217.3	138.9	135.9	120.3	147.7	189.5	116.7	108.3	80.9	190.1	204.2	162.2	130.3	89.7
65-69	249.7	285.6	194.7	198.5	173.0	256.5	298.1	198.6	203.6	195.8	229.4	271.5	178.6	175.9	128.8	257.7	273.8	215.2	194.7	155.1
70-74	306.9	345.0	231.0	259.9	208.6	314.5	363.7	225.9	270.3	240.1	298.8	338.9	225.4	234.8	182.4	304.9	323.5	261.0	270.7	169.7
75-79	371.5	396.2	311.2	335.1	272.3	381.9	413.1	313.5	343.8	314.1	360.3	389.0	299.2	321.8	235.2	374.5	385.8	343.3	352.7	234.1
80-84	446.3	467.4	391.4	431.9	343.6	492.0	529.1	407.1	409.7	387.2	425.7	449.1	372.0	460.1	308.8	437.5	448.1	419.5	485.3	309.1
85+	566.4	593.2	499.6	580.9	482.9	561.6	655.1	427.8	548.7	508.0	551.4	577.8	491.9	629.1	469.3	587.5	584.6	623.9	664.8	438.9

**STANDARD ERRORS**

All	1.9	2.6	2.2	9.3	6.6	3.2	3.4	3.3	11.0	10.0	4.1	4.9	3.5	29.9	13.5	3.6	3.8	4.0	19.7	9.7
0-14	9.3	10.1	10.3	5.6	3.6	32.2	35.8	29.0	15.8	13.1	5.5	8.3	6.0	3.7	2.6	9.3	10.1	10.3	5.6	3.6
15-19	7.0	7.1	5.1	4.0	2.9	13.2	12.5	9.0	5.4	5.0	3.5	4.4	3.1	2.2	1.5	5.6	5.2	5.2	3.1	2.1
20-24	5.2	6.2	4.6	5.0	3.3	11.6	13.2	9.8	7.8	6.8	3.7	5.4	3.8	3.7	2.3	5.0	5.5	5.9	5.0	2.9
25-29	4.6	5.6	4.1	5.6	3.7	9.0	10.2	8.4	7.4	6.4	3.3	5.0	3.3	4.0	2.4	4.1	4.7	4.9	5.3	3.0
30-34	4.8	6.3	4.7	8.2	5.5	8.6	10.4	9.2	10.0	8.6	4.2	6.7	4.1	6.2	3.6	4.7	5.7	5.9	7.7	4.4
35-39	4.2	5.5	4.2	8.2	5.6	6.9	8.7	8.0	10.0	8.9	4.0	6.7	4.1	6.9	4.0	4.5	5.6	5.9	8.4	4.6
40-44	3.9	5.3	4.1	8.5	5.8	6.1	7.9	7.7	10.2	9.2	4.2	7.4	4.2	8.3	4.7	4.5	5.8	5.9	9.7	5.2
45-49	3.8	5.1	4.0	9.3	6.4	5.0	6.8	6.3	10.7	9.4	4.5	8.5	4.4	9.7	5.4	4.6	5.8	6.1	11.5	6.1
50-54	4.0	5.2	4.5	10.1	7.7	4.6	6.4	6.2	11.6	11.5	5.3	9.5	5.4	13.1	7.2	5.7	7.0	8.2	14.5	7.9
55-59	4.0	5.1	4.6	10.7	8.1	4.3	6.1	5.6	12.0	11.9	6.1	9.8	6.5	16.5	8.6	6.5	7.7	9.6	18.2	9.1
60-64	4.0	5.1	4.8	11.8	8.6	4.3	6.0	5.6	14.1	11.6	6.2	9.5	6.8	20.7	10.8	7.4	8.5	11.5	22.6	11.7
65-69	4.6	5.5	5.9	17.3	12.1	5.0	6.5	6.9	19.6	15.6	6.7	9.2	8.4	32.3	15.3	8.0	8.9	13.7	32.8	18.5
70-74	5.2	5.9	7.0	23.7	13.5	5.9	7.6	8.3	27.1	18.1	7.0	8.8	9.7	41.5	19.2	8.2	9.0	15.7	46.0	19.3
75-79	6.4	6.8	9.7	35.4	18.5	8.1	9.8	12.5	40.8	25.8	7.8	9.2	12.5	56.7	23.6	9.7	10.3	20.9	61.6	27.2
80-84	9.0	9.3	15.0	55.6	26.2	13.9	16.6	21.6	58.7	37.2	10.1	11.4	17.7	85.6	31.7	13.2	13.8	29.4	93.8	37.7
85+	15.2	16.0	23.3	89.0	44.3	26.4	34.9	32.4	90.3	57.5	16.2	18.6	26.2	127.9	54.6	22.0	22.7	48.0	137.3	58.7



Table H.5S.2

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years***all hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

RATES																					
	All					Diabetes					Hypertension					Other					
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	
All	194.7	248.2	137.4	135.4	154.4	225.3	279.4	162.2	156.8	219.5	209.3	289.8	141.3	154.9	161.0	154.0	192.2	101.9	84.8	76.8	
0-14	7.5	10.0	6.1	5.3	3.2	38.9	47.9	22.8	23.7	22.0	6.3	11.6	6.0	6.5	4.5	7.5	10.0	6.1	5.3	3.2	
15-19	28.5	42.0	18.9	22.0	15.9	76.7	91.9	41.6	45.8	47.4	17.4	30.5	16.2	17.5	12.4	20.4	26.3	16.6	14.3	8.6	
20-24	37.7	57.2	27.0	30.8	22.8	129.5	161.4	75.6	81.7	85.5	31.3	57.1	31.1	33.7	24.2	36.9	49.4	32.3	27.5	16.8	
25-29	50.7	74.7	37.2	41.9	31.6	118.6	145.0	69.9	74.2	78.9	31.9	54.6	30.8	33.4	24.2	34.0	45.3	32.1	27.2	16.8	
30-34	63.5	92.7	46.8	52.7	40.6	129.0	160.5	76.4	82.5	88.0	37.2	63.9	36.5	39.8	29.2	42.7	56.1	37.9	32.4	20.3	
35-39	57.2	80.9	42.9	47.4	37.6	106.2	131.1	65.5	70.7	77.4	37.5	58.8	35.3	36.9	27.4	38.9	48.7	36.1	30.0	19.3	
40-44	79.9	111.5	61.9	67.5	54.6	139.6	178.3	94.2	99.1	108.8	57.6	86.5	53.4	55.8	42.4	57.7	72.2	54.1	45.5	29.2	
45-49	95.5	130.1	73.4	80.0	66.0	142.9	183.9	94.6	98.3	111.2	61.6	94.8	55.9	61.5	46.3	61.8	77.6	58.5	50.0	32.1	
50-54	111.0	142.7	86.4	91.5	78.1	141.4	189.8	99.8	108.0	127.5	84.0	111.0	73.5	74.4	56.9	84.1	92.5	74.9	60.8	40.3	
55-59	137.3	172.2	108.6	113.3	98.6	157.8	200.1	123.2	126.1	148.7	107.7	136.4	93.2	93.5	71.9	108.0	124.3	89.0	75.2	50.1	
60-64	165.8	206.6	128.3	135.6	120.1	187.8	243.2	137.7	152.6	171.4	142.1	183.4	113.8	118.4	93.5	143.4	158.1	117.3	97.2	65.9	
65-69	210.6	244.2	168.1	174.8	157.6	236.0	281.9	177.8	192.6	213.5	182.8	220.4	153.4	156.0	124.2	175.1	183.3	155.5	131.0	90.8	
70-74	267.0	299.7	218.6	218.8	201.1	294.0	343.9	225.4	237.4	262.5	244.4	274.2	210.4	209.5	170.8	243.4	257.2	217.0	169.8	117.7	
75-79	312.1	341.5	258.1	255.6	241.7	351.1	399.0	264.9	271.9	322.1	306.0	340.7	255.5	253.3	207.1	269.9	283.0	262.0	207.4	145.7	
80-84	376.9	408.4	318.7	313.0	305.5	418.0	489.2	291.9	317.7	398.6	370.4	390.9	347.8	326.9	275.4	345.8	371.3	319.1	266.1	187.0	
85+	497.3	531.9	427.8	415.5	411.0	520.8	585.2	401.1	389.1	477.0	522.2	570.2	429.8	446.7	376.5	440.7	464.2	444.6	361.4	257.6	
STANDARD ERRORS																					
All	2.4	3.3	2.5	10.0	8.0	3.5	4.0	3.4	11.2	11.8	4.1	5.2	3.5	23.6	13.9	3.4	3.7	3.7	15.6	8.5	
0-14	7.0	9.1	5.6	5.2	3.0	36.9	43.9	20.9	22.9	20.9	6.1	10.7	5.5	6.4	4.4	7.0	9.1	5.6	5.2	3.0	
15-19	10.8	13.5	6.2	8.9	6.0	34.0	38.5	17.6	22.6	22.4	7.8	13.0	6.9	9.5	6.2	8.3	10.6	6.8	7.4	4.1	
20-24	7.1	9.3	4.5	8.5	5.6	27.3	31.7	15.4	25.4	24.5	7.0	12.1	6.3	12.7	7.7	6.7	8.9	6.1	9.8	5.1	
25-29	6.5	8.4	4.4	9.5	6.4	17.0	20.5	10.7	19.4	18.9	5.6	9.2	4.9	11.2	6.7	5.0	6.6	4.9	8.7	4.4	
30-34	5.8	7.7	4.1	10.2	7.0	13.2	16.3	9.3	18.4	18.1	5.3	8.9	4.7	12.0	7.2	5.0	6.5	4.6	9.4	4.8	
35-39	4.6	6.0	3.3	8.0	5.7	9.7	11.8	7.3	13.8	14.1	4.7	7.5	4.0	10.2	6.1	4.1	5.2	4.0	8.1	4.1	
40-44	4.8	6.3	3.6	9.4	7.0	9.4	12.7	8.3	16.3	17.3	5.6	9.2	4.9	14.0	8.4	4.9	6.4	5.0	11.2	5.6	
45-49	4.5	5.9	3.6	9.3	7.2	7.5	10.5	7.0	13.7	15.3	5.3	9.0	4.6	14.1	8.3	4.9	6.1	5.1	11.7	5.7	
50-54	4.6	5.6	3.8	9.0	7.2	6.4	9.5	6.4	13.3	15.1	6.5	9.5	5.6	15.8	9.2	6.1	6.7	6.3	13.6	6.6	
55-59	4.7	5.7	4.1	9.4	7.6	5.9	8.6	6.7	13.6	15.3	7.1	10.2	6.5	18.5	10.5	7.2	8.1	7.2	16.2	7.7	
60-64	4.8	5.6	4.3	10.1	7.9	6.0	8.7	6.8	15.6	16.0	7.9	11.4	7.3	22.2	12.5	8.1	8.9	9.0	20.5	9.6	
65-69	5.0	5.6	5.0	12.8	9.0	6.3	8.6	7.6	19.3	17.8	7.6	10.5	8.4	27.9	15.0	8.3	8.8	11.3	27.4	12.7	
70-74	5.8	6.1	6.4	17.8	11.0	7.6	10.1	9.7	25.7	21.3	8.2	10.3	10.5	37.1	19.5	9.5	10.2	15.0	36.3	16.0	
75-79	7.0	7.1	8.2	24.7	14.4	10.5	13.3	13.3	35.1	28.4	9.4	11.4	13.0	44.9	23.3	10.5	11.1	18.7	46.1	20.2	
80-84	10.1	10.0	12.1	36.6	21.2	17.2	21.6	19.1	48.3	40.8	12.7	14.5	19.6	62.3	31.0	15.2	16.2	24.9	63.0	27.5	
85+	17.2	16.8	19.5	58.1	35.4	33.5	39.0	32.9	69.5	59.5	20.9	24.4	27.9	90.6	48.7	24.1	25.0	38.5	91.7	41.3	

Table H.5S3

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years**

*all hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	244.9	304.4	184.9	206.8	203.9	292.4	351.4	230.1	235.7	281.6	248.2	347.4	178.4	206.5	201.7	196.7	237.0	131.4	137.2	122.7
0-14	74.3	87.7	61.0	39.5	32.1	400.7	453.6	270.7	186.7	199.4	67.3	103.1	64.6	42.7	37.5	74.3	87.7	61.0	39.5	32.1
15-19	27.0	37.8	19.7	19.2	14.9	116.5	139.4	81.1	59.2	66.8	26.9	42.8	27.2	18.8	16.4	29.5	36.5	25.7	17.4	14.0
20-24	40.3	56.0	30.1	29.8	23.4	138.6	168.2	99.0	75.2	84.2	35.6	56.2	36.1	26.0	22.5	38.1	47.1	34.7	24.1	19.3
25-29	63.2	89.0	49.5	49.7	39.4	164.2	191.8	118.2	91.3	101.4	45.3	69.8	46.2	34.5	29.5	48.7	59.1	44.3	32.1	25.3
30-34	69.9	94.8	54.4	55.6	44.4	158.3	182.9	110.2	89.1	97.9	47.7	71.8	46.3	36.9	31.2	48.3	58.8	44.9	34.2	26.9
35-39	96.4	130.5	77.4	80.2	64.7	192.9	229.8	139.0	118.7	128.6	64.5	96.7	64.3	53.1	44.8	70.2	83.2	63.1	49.5	38.5
40-44	115.2	154.0	94.4	99.4	80.9	203.8	247.7	154.1	138.5	148.4	83.6	114.6	81.4	67.7	56.3	84.3	99.5	76.1	63.1	48.4
45-49	126.0	163.7	103.6	110.8	91.1	182.4	233.1	144.6	140.6	154.2	94.2	124.4	88.6	74.9	62.2	95.3	107.4	83.8	70.2	54.0
50-54	152.8	191.8	125.4	136.2	113.0	207.5	264.3	160.7	158.7	170.1	110.5	144.2	102.5	93.8	77.3	113.7	128.7	96.9	87.2	66.2
55-59	180.5	220.1	148.7	164.0	137.3	227.8	275.6	187.6	185.9	196.3	138.9	177.7	125.7	118.3	97.6	140.4	151.6	122.0	111.2	83.6
60-64	226.3	270.7	188.9	211.5	178.8	275.0	339.8	223.8	239.4	255.0	206.5	250.1	177.9	170.0	136.5	183.4	193.3	163.5	158.8	120.5
65-69	264.6	305.7	220.4	250.6	213.8	293.0	349.9	233.7	268.5	286.1	241.9	287.9	201.1	206.8	167.5	223.7	238.2	194.0	190.2	140.8
70-74	314.8	353.6	263.4	304.2	261.9	361.3	414.3	289.0	330.2	342.2	293.2	344.5	244.9	268.7	214.9	270.1	287.6	235.2	253.7	184.8
75-79	376.5	410.5	315.9	370.5	322.0	419.0	470.6	340.0	384.6	395.4	362.4	406.6	299.6	350.1	278.6	341.2	354.7	296.1	327.7	244.6
80-84	442.2	473.4	376.3	448.2	393.2	471.0	548.6	368.9	456.5	445.2	435.9	469.1	387.5	443.1	351.6	432.4	444.5	369.2	417.3	305.9
85+	545.3	577.8	474.5	574.0	508.3	543.1	593.7	454.9	547.2	545.7	573.0	607.8	510.7	591.9	457.1	514.1	537.8	456.7	557.6	400.6

**STANDARD ERRORS**

All	2.3	2.8	2.1	9.5	7.0	3.6	4.1	3.4	11.7	12.0	3.6	4.8	2.9	24.3	13.0	3.3	3.4	3.4	16.6	9.0
0-14	23.0	31.7	22.6	17.7	13.3	132.8	169.7	102.4	81.7	83.1	22.8	39.3	24.6	20.0	16.2	23.0	31.7	22.6	17.7	13.3
15-19	7.6	14.1	7.4	8.2	6.1	37.1	50.1	29.2	24.3	26.3	8.6	15.6	9.8	8.3	6.7	8.7	12.7	9.0	7.4	5.5
20-24	4.7	8.9	4.8	7.3	5.0	22.0	28.8	17.1	18.6	19.0	5.7	10.0	6.2	7.7	5.6	5.0	7.4	5.5	6.6	4.4
25-29	4.5	8.6	4.8	9.6	6.4	16.2	21.2	13.7	18.1	17.9	5.1	8.8	5.4	8.8	6.0	4.4	6.4	4.9	7.6	4.8
30-34	3.7	7.0	4.1	9.1	6.1	11.2	15.2	10.2	15.2	14.9	4.4	7.5	4.4	8.5	5.6	3.8	5.3	4.2	7.4	4.5
35-39	3.7	7.1	4.2	11.1	7.4	10.1	14.5	10.2	17.3	16.8	4.6	8.5	4.7	11.1	7.1	4.4	6.2	4.8	9.7	5.7
40-44	3.4	6.6	4.0	11.5	7.9	8.8	13.2	9.7	17.3	17.0	4.7	8.8	4.9	12.9	8.1	4.4	6.4	5.1	11.3	6.5
45-49	3.2	5.8	3.7	10.6	7.5	6.4	10.7	7.6	14.8	15.4	4.6	8.5	4.9	13.2	8.0	4.6	6.2	5.3	11.7	6.6
50-54	3.2	5.7	3.8	10.7	7.8	5.8	10.1	7.2	14.4	14.9	4.9	8.8	5.2	15.3	9.0	5.1	6.7	5.9	13.6	7.5
55-59	3.2	5.5	3.9	10.5	7.8	5.3	9.1	7.2	14.7	15.3	5.5	9.7	5.9	18.1	10.5	5.9	7.3	7.1	16.6	8.8
60-64	3.4	5.7	4.1	11.4	8.4	5.6	9.9	7.6	17.3	18.1	6.6	11.6	7.5	24.6	13.5	6.7	8.4	9.0	22.8	12.0
65-69	3.3	5.4	4.2	13.0	8.6	5.2	8.8	7.4	18.9	18.5	6.1	10.4	7.5	28.9	15.1	6.7	8.5	10.2	26.9	13.5
70-74	3.7	5.8	4.9	17.7	10.4	6.1	9.9	9.0	25.3	21.5	6.2	10.1	8.5	36.6	18.1	6.9	8.9	11.8	36.2	17.3
75-79	4.5	6.9	6.4	26.3	14.5	8.4	12.9	12.3	34.4	27.7	7.2	10.6	11.0	48.7	23.5	8.4	10.5	15.6	48.5	23.3
80-84	6.6	9.8	9.6	39.4	21.5	14.1	21.4	17.8	49.0	36.3	9.7	13.6	16.0	64.8	30.6	12.0	14.5	22.3	65.9	31.3
85+	10.8	15.9	15.4	61.4	34.3	25.7	32.8	29.2	69.6	51.5	15.8	21.7	24.5	92.2	44.9	18.7	22.8	29.9	94.8	45.3



Table H.55 4

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years***all hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

RATES																				
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	215.3	249.2	187.5	231.9	195.5	324.8	376.9	287.5	297.7	321.7	224.6	326.6	184.0	230.5	236.5	164.8	191.3	127.8	149.4	133.5
0-14	55.9	60.8	47.9	55.6	38.0	316.9	347.3	244.0	275.2	226.9	47.3	61.7	45.5	53.3	41.0	55.9	60.8	47.9	55.6	38.0
15-19	21.7	24.3	17.5	26.6	14.4	78.0	86.9	59.8	66.6	58.2	16.0	20.9	15.5	18.0	14.1	18.6	20.3	16.2	18.6	12.9
20-24	40.5	46.9	34.2	50.6	28.6	153.5	176.5	122.2	135.3	120.2	35.7	47.2	35.3	40.9	32.5	41.1	45.7	36.6	41.6	29.4
25-29	47.4	54.0	39.9	57.4	33.8	150.6	169.1	118.1	129.1	116.3	39.1	50.2	37.6	43.4	35.1	43.6	48.0	38.4	43.8	31.4
30-34	63.2	72.2	54.0	75.4	46.5	166.1	187.5	133.6	144.6	132.3	49.2	63.0	47.0	54.3	44.6	54.9	59.4	47.9	54.1	39.6
35-39	83.0	95.5	72.4	98.2	63.2	195.0	218.6	155.0	167.0	155.1	64.3	80.4	61.5	69.7	58.0	68.1	75.1	60.7	68.4	50.9
40-44	100.6	117.1	90.0	118.5	79.7	212.4	246.6	176.7	192.0	180.2	81.7	104.7	78.1	89.2	75.3	87.8	95.5	79.0	87.0	65.4
45-49	124.5	144.2	112.3	143.7	101.0	244.4	288.8	197.3	212.2	205.5	101.9	127.6	98.3	111.0	95.7	105.5	115.9	96.3	106.7	81.5
50-54	161.3	184.3	145.5	180.7	132.7	264.8	316.6	224.1	243.5	238.1	140.0	162.3	132.2	142.6	124.2	134.2	149.9	118.3	134.6	103.5
55-59	189.2	216.1	172.9	208.6	160.1	275.6	338.8	238.8	255.0	254.0	161.6	189.3	155.8	165.2	147.2	154.0	163.9	147.1	156.0	121.9
60-64	237.5	268.2	217.6	254.9	204.3	315.7	377.9	288.0	306.5	303.4	218.9	265.2	200.4	219.8	198.1	210.1	225.9	187.6	205.0	164.5
65-69	302.5	337.6	277.6	315.8	264.5	371.5	452.4	328.6	346.0	356.4	279.2	336.9	253.8	280.8	257.3	271.5	291.0	239.6	259.5	207.6
70-74	337.2	369.3	307.7	339.9	297.5	396.0	471.5	342.9	357.4	377.0	328.0	380.2	294.3	322.9	302.7	300.9	318.3	272.0	290.9	245.1
75-79	403.5	434.5	367.0	393.7	360.1	446.7	523.5	388.9	394.5	419.1	410.7	468.2	360.3	400.4	377.9	365.0	380.2	336.6	360.0	296.6
80-84	500.9	531.3	454.8	473.9	452.8	497.5	587.1	431.3	446.1	478.0	516.8	561.7	469.8	501.9	479.5	485.8	498.1	421.1	440.7	381.1
85+	636.0	672.8	583.8	590.6	589.7	589.7	683.8	504.2	513.9	559.8	664.8	741.9	591.4	638.0	625.5	596.0	615.2	527.6	562.6	489.0
STANDARD ERRORS																				
All	2.5	2.6	2.0	11.1	7.2	3.2	6.7	5.2	18.3	21.1	2.2	6.2	3.0	30.8	16.7	1.6	2.7	2.7	14.7	8.0
0-14	19.4	23.6	18.8	26.1	16.6	114.6	138.3	97.8	129.8	102.2	17.2	24.9	18.2	27.1	18.9	19.4	23.6	18.8	26.1	16.6
15-19	7.5	10.9	7.8	13.5	7.0	30.6	37.6	26.0	32.3	27.6	6.3	9.1	6.7	9.4	6.8	7.1	8.6	6.9	9.0	6.0
20-24	5.4	8.2	6.1	14.4	7.1	24.9	30.8	21.7	36.2	29.8	5.7	8.4	6.1	13.2	8.4	5.6	7.0	5.9	11.3	6.7
25-29	3.9	5.9	4.5	13.2	6.5	16.9	20.5	14.8	28.5	23.4	4.4	6.5	4.5	12.3	7.5	3.8	4.9	4.1	10.0	5.7
30-34	3.6	5.5	4.2	14.5	7.5	13.0	16.1	12.5	27.0	22.7	4.2	6.3	4.3	13.9	8.3	3.4	4.4	3.9	10.8	6.1
35-39	3.4	5.4	4.2	15.9	8.6	11.8	14.9	12.0	26.9	23.4	4.2	6.7	4.4	16.3	9.6	3.4	4.5	4.0	12.2	6.9
40-44	3.4	5.6	4.2	16.4	9.2	10.8	14.6	11.6	26.8	24.2	4.3	7.7	4.5	19.3	11.1	3.7	5.0	4.5	14.1	7.8
45-49	3.6	5.9	4.5	16.6	9.9	10.7	15.3	11.3	25.6	25.0	4.5	8.4	4.9	22.3	12.8	4.0	5.5	5.0	15.8	8.7
50-54	4.2	6.7	5.2	17.4	11.0	10.2	15.3	11.4	25.5	25.9	5.6	9.7	6.0	26.9	15.1	4.9	6.6	6.1	18.5	10.1
55-59	4.6	7.3	5.7	17.0	11.2	9.5	15.8	10.7	23.6	25.5	6.1	10.6	6.7	29.7	16.4	5.6	7.1	7.3	20.6	11.1
60-64	5.2	8.1	6.4	18.7	12.5	9.8	16.3	11.7	26.7	28.5	7.6	13.4	8.2	38.1	20.6	7.2	9.2	9.1	26.8	14.4
65-69	5.8	9.1	7.4	23.4	15.1	10.4	17.9	12.4	30.5	32.3	8.6	15.0	9.6	47.9	25.5	8.3	10.6	11.3	34.5	18.0
70-74	6.2	9.4	8.2	28.5	18.0	11.1	18.2	13.4	34.3	34.5	9.3	15.0	11.1	54.9	28.9	8.6	10.8	12.8	40.1	21.9
75-79	7.9	11.9	11.0	39.5	25.3	15.0	23.3	17.6	43.0	41.6	11.7	17.8	14.5	69.8	37.6	10.9	13.2	17.4	53.7	28.7
80-84	12.4	18.0	17.3	57.3	38.6	23.1	33.0	25.1	56.6	52.7	17.3	23.6	22.6	91.8	51.6	17.2	20.2	25.4	71.8	42.1
85+	21.0	30.3	28.6	85.7	60.5	37.0	47.7	36.7	76.3	69.5	27.6	38.7	33.2	123.6	73.6	27.2	31.6	37.1	101.4	60.7



Table H.6

**Death Rates: by Age Group**

male hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	218.2	272.4	152.4	171.1	179.5	258.1	304.8	190.1	198.0	241.5	229.5	319.7	153.7	181.4	187.2	184.7	223.3	121.7	128.6	118.0
0-14	34.3	40.8	31.5	22.6	17.4	142.9	163.6	109.5	83.3	78.9	25.3	39.2	27.3	20.3	16.9	34.3	40.8	31.5	22.6	17.4
15-19	23.8	27.8	17.0	16.6	12.2	61.6	63.4	40.7	32.7	33.0	16.0	21.9	15.4	11.9	9.8	21.0	22.2	17.7	13.1	10.1
20-24	35.1	45.6	28.4	28.2	21.0	95.0	111.7	71.8	60.1	60.2	27.0	41.6	29.3	23.7	19.5	36.1	42.1	34.3	25.7	19.5
25-29	47.1	59.9	38.7	38.9	29.2	108.0	117.9	79.8	66.0	65.5	31.6	46.4	33.5	28.2	23.0	38.4	44.9	38.2	30.4	23.0
30-34	62.9	79.6	51.5	53.0	40.1	129.9	144.9	94.0	81.1	79.5	41.0	61.6	41.2	37.8	30.4	49.9	56.4	49.3	40.0	30.5
35-39	75.6	94.8	63.2	65.7	50.2	140.1	156.8	105.7	95.3	92.9	52.6	71.4	53.3	47.2	37.9	62.0	68.8	60.2	49.9	37.6
40-44	92.3	116.5	77.9	83.2	64.0	154.5	178.3	120.8	115.0	110.5	69.4	92.5	67.4	61.9	49.5	78.2	87.7	75.0	64.7	47.6
45-49	109.3	135.8	91.8	99.5	77.3	159.9	192.2	121.6	124.1	120.5	82.8	104.9	78.9	72.9	57.5	91.7	101.7	84.8	76.4	55.3
50-54	134.9	162.0	113.6	124.6	99.1	173.2	204.1	142.0	146.6	147.1	110.0	133.9	100.6	96.3	77.0	116.2	129.9	101.5	96.1	72.1
55-59	161.6	188.1	137.9	151.0	120.1	193.9	225.8	160.6	169.2	166.3	134.0	157.6	124.1	118.6	92.5	142.0	150.6	128.4	122.2	86.9
60-64	201.9	234.6	168.0	189.2	151.9	226.8	269.9	182.3	208.8	194.5	189.1	226.6	160.8	162.3	124.2	193.4	203.6	167.0	162.3	117.9
65-69	263.8	297.2	217.4	247.7	200.8	291.8	338.5	228.0	258.3	241.9	241.7	276.9	204.3	219.3	167.0	244.3	255.6	214.1	214.8	155.9
70-74	316.1	344.6	261.4	304.5	249.7	350.4	389.9	273.5	321.9	307.8	300.9	331.8	251.9	281.0	218.6	288.9	305.1	253.4	276.8	194.5
75-79	377.6	400.3	317.2	372.9	307.4	412.8	446.5	329.9	384.1	354.6	369.9	398.1	308.1	365.6	280.9	349.1	358.9	318.0	356.6	251.9
80-84	451.6	474.7	383.7	458.1	378.5	496.9	550.4	376.8	454.2	407.2	435.8	455.0	389.1	478.1	359.8	435.8	452.9	388.7	450.7	311.4
85+	572.3	593.5	499.7	603.2	503.8	571.3	617.4	468.0	569.0	511.1	576.3	603.7	512.7	641.8	484.5	546.3	558.3	518.3	618.1	421.2

**STANDARD ERRORS**

All	0.5	1.6	1.4	6.9	4.8	2.5	3.3	3.1	11.3	10.1	2.4	3.9	2.4	18.1	10.1	2.1	2.7	2.5	11.9	6.7
0-14	6.7	8.3	6.5	5.7	4.1	30.7	34.7	23.5	20.8	18.7	5.6	8.5	5.9	5.4	4.1	6.7	8.3	6.5	5.7	4.1
15-19	4.0	4.8	2.9	3.4	2.4	11.8	12.1	7.8	7.3	7.0	3.1	4.2	3.0	2.9	2.2	3.6	4.0	3.3	3.0	2.1
20-24	2.9	3.7	2.4	3.8	2.4	10.9	11.5	7.6	8.8	8.2	3.1	4.5	3.0	4.1	2.8	3.2	3.8	3.2	4.0	2.6
25-29	2.5	3.3	2.2	4.3	2.7	8.8	9.1	6.6	8.3	7.5	2.9	4.0	2.7	4.4	2.9	2.6	3.2	2.8	4.2	2.6
30-34	2.4	3.2	2.2	5.0	3.2	7.4	8.3	6.5	9.0	8.1	3.0	4.7	2.8	5.4	3.5	2.7	3.3	3.1	5.0	3.2
35-39	2.3	3.1	2.1	5.4	3.5	6.3	7.3	6.5	9.5	8.6	3.1	4.9	3.0	6.2	4.0	2.8	3.5	3.2	5.8	3.6
40-44	2.2	3.2	2.2	5.9	3.9	5.7	7.2	6.4	10.2	9.4	3.2	5.6	3.1	7.5	4.8	3.0	3.9	3.5	7.0	4.2
45-49	2.2	3.2	2.2	6.2	4.2	4.7	6.6	5.5	9.8	9.4	3.2	5.8	3.2	8.3	5.2	3.2	4.2	3.9	7.8	4.6
50-54	2.4	3.4	2.6	6.8	4.7	4.3	6.2	5.5	10.7	10.2	3.9	6.6	3.9	10.4	6.5	3.9	4.9	4.8	9.4	5.7
55-59	2.6	3.5	2.9	7.6	5.1	4.2	6.0	5.5	11.5	10.8	4.3	7.0	4.6	12.4	7.3	4.6	5.4	6.0	11.6	6.6
60-64	2.9	3.8	3.3	9.0	5.8	4.4	6.3	5.9	13.9	11.9	5.1	7.9	5.6	16.2	9.3	5.4	6.3	7.6	15.2	8.6
65-69	3.2	4.0	3.9	11.9	7.1	4.8	6.6	6.7	17.1	13.6	5.1	7.3	6.4	21.5	11.7	5.6	6.5	9.1	19.9	11.0
70-74	3.5	4.2	4.8	15.8	8.7	5.6	7.3	8.4	22.9	17.1	5.3	6.8	7.7	27.0	14.2	5.7	6.6	10.3	25.8	13.3
75-79	4.3	4.8	6.3	21.7	11.3	7.7	9.6	11.8	30.7	21.0	6.1	7.4	9.8	35.7	18.1	6.7	7.4	13.7	34.5	17.5
80-84	6.1	6.7	9.1	30.5	15.4	13.1	16.1	17.7	40.7	26.7	8.2	9.5	14.8	49.6	23.7	9.7	10.6	19.0	46.7	22.9
85+	10.2	11.0	14.0	46.0	23.7	24.8	28.2	27.7	56.4	37.5	13.8	15.9	22.4	70.3	35.3	15.8	16.9	29.1	68.9	33.3



Table H.6S 1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year**

male hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

RATES																				
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	222.4	274.0	140.7	142.8	157.6	236.0	276.8	164.1	157.5	197.9	242.3	321.4	140.4	163.3	164.5	208.9	250.2	131.1	124.3	110.0
0-14	29.5	32.3	29.3	12.3	8.9	91.5	102.6	77.0	35.6	31.4	16.3	24.6	17.1	8.2	6.4	29.5	32.3	29.3	12.3	8.9
15-19	24.1	23.2	15.3	9.8	7.5	43.6	38.3	26.0	13.7	13.0	12.6	14.5	10.0	5.2	4.0	22.3	18.5	17.0	7.7	5.5
20-24	30.5	38.1	25.3	17.2	13.0	62.6	72.4	49.5	28.2	26.4	20.0	29.4	20.6	11.5	8.8	34.4	37.4	34.1	16.5	11.6
25-29	39.6	48.2	32.6	23.4	17.6	70.0	79.3	53.6	32.3	29.9	23.2	33.3	23.2	14.3	10.7	37.5	39.8	38.1	19.9	13.8
30-34	63.1	78.5	53.1	40.3	30.4	100.0	116.6	76.9	50.2	45.8	36.5	52.7	35.5	24.0	17.9	57.1	58.9	60.2	32.7	22.8
35-39	67.9	82.4	59.3	46.7	34.8	98.9	115.0	79.3	57.8	51.7	42.4	58.8	41.4	29.3	21.6	64.2	66.2	68.0	39.1	26.4
40-44	78.4	96.9	67.1	56.5	41.6	114.7	130.7	92.5	67.5	59.8	51.0	71.1	48.4	37.4	27.0	72.5	77.7	76.2	49.0	32.1
45-49	93.6	114.3	76.1	71.7	52.1	121.0	141.1	95.6	80.5	69.2	61.5	84.7	55.6	46.9	33.3	83.2	89.5	83.0	61.1	39.6
50-54	118.3	138.0	97.7	94.7	71.0	143.4	164.5	119.9	105.9	94.3	85.2	113.4	75.8	68.1	48.0	104.5	114.1	105.2	83.1	55.2
55-59	142.2	162.9	116.1	118.8	86.7	161.8	186.8	129.3	130.8	112.0	111.7	135.6	98.3	89.6	62.0	132.6	142.9	124.4	109.2	69.2
60-64	177.3	208.8	138.3	148.4	107.8	191.7	226.0	147.0	161.3	133.2	152.2	183.4	122.5	125.2	85.4	195.3	209.5	165.0	146.0	92.4
65-69	258.3	291.3	200.7	227.5	172.1	275.1	318.0	201.3	235.6	205.0	229.5	261.7	179.5	199.9	134.8	264.1	270.5	239.9	224.5	149.6
70-74	317.9	347.6	248.9	299.4	216.0	337.7	373.3	247.5	317.6	260.4	306.3	331.9	239.2	269.0	181.1	315.0	328.8	273.0	303.9	184.7
75-79	381.8	402.6	304.0	389.7	275.4	395.2	423.2	307.6	413.8	316.6	363.6	393.0	281.7	365.5	243.1	381.1	390.4	350.1	399.5	241.8
80-84	459.3	478.4	382.2	501.6	346.4	505.0	541.6	389.6	498.5	381.1	443.2	461.9	365.9	506.8	325.6	440.2	453.8	415.9	543.1	311.3
85+	582.0	590.6	491.4	678.9	478.9	557.8	639.9	421.9	651.9	505.3	560.9	584.9	469.7	708.6	458.5	580.0	571.1	618.4	749.5	435.2
STANDARD ERRORS																				
All	1.5	3.4	3.1	14.5	9.8	3.6	4.0	4.0	14.7	12.0	4.2	5.3	3.6	28.1	13.3	3.9	4.3	4.1	19.5	10.0
0-14	9.6	11.1	10.2	5.7	3.6	31.1	36.5	27.5	16.0	12.9	5.7	9.1	6.2	4.0	2.8	9.6	11.1	10.2	5.7	3.6
15-19	6.0	6.7	4.5	3.7	2.6	12.4	12.2	8.3	5.4	4.8	3.6	4.7	3.2	2.3	1.6	5.8	5.6	5.2	3.2	2.0
20-24	4.5	5.9	4.0	4.7	3.0	11.0	12.9	9.0	7.9	6.5	3.6	5.6	3.8	3.9	2.4	5.3	6.1	5.7	5.1	2.9
25-29	4.0	5.4	3.7	5.4	3.4	8.8	10.3	7.5	7.7	6.2	3.3	5.0	3.3	4.4	2.5	4.4	5.1	5.0	5.4	3.0
30-34	4.2	6.1	4.4	7.9	4.9	9.0	11.0	8.7	10.4	8.2	4.1	6.6	4.1	6.6	3.7	5.1	6.0	6.2	8.0	4.3
35-39	3.7	5.4	4.1	8.0	5.0	7.5	9.3	7.9	10.6	8.4	4.1	6.7	4.2	7.5	4.1	4.9	6.0	6.0	8.7	4.6
40-44	3.5	5.3	4.0	8.4	5.3	7.1	8.9	8.1	11.0	8.8	4.3	7.2	4.3	8.8	4.6	5.0	6.3	6.3	10.1	5.1
45-49	3.4	5.3	3.9	9.3	5.9	6.1	8.1	7.2	11.6	9.1	4.5	7.8	4.5	10.3	5.2	5.3	6.7	6.6	11.9	5.9
50-54	3.6	5.5	4.7	10.8	7.0	6.0	8.1	7.7	13.6	11.1	5.7	9.5	5.8	14.0	6.9	6.3	7.6	8.5	15.2	7.6
55-59	3.7	5.7	5.2	12.3	7.7	5.9	8.0	7.6	15.4	12.1	6.7	10.0	7.2	17.6	8.3	7.3	8.6	9.9	19.2	9.0
60-64	3.8	5.9	5.7	14.6	8.5	6.2	8.3	8.1	18.8	13.2	7.3	10.4	8.1	23.5	10.6	8.8	10.3	12.4	24.9	11.4
65-69	4.5	6.4	7.4	22.3	12.2	7.2	9.2	10.0	27.1	18.3	8.2	10.6	10.5	36.4	15.5	9.6	10.7	16.6	38.0	17.5
70-74	5.1	6.8	9.2	31.3	14.7	8.6	10.5	13.0	38.7	22.9	8.9	10.5	13.3	48.9	19.3	10.1	11.1	18.4	52.1	21.2
75-79	6.2	7.8	11.8	45.4	19.2	11.4	13.4	18.0	56.6	28.8	9.8	11.4	15.7	66.8	25.6	11.8	12.7	24.2	70.6	28.0
80-84	8.8	10.9	18.0	68.4	26.5	19.3	22.3	28.4	78.5	39.1	13.3	14.6	23.9	97.5	34.5	15.9	17.0	32.2	105.3	37.6
85+	14.6	18.3	27.2	105.8	42.6	34.1	42.8	37.5	113.7	57.8	21.4	23.9	33.7	145.5	54.3	26.2	26.9	54.4	156.3	56.9



Table H.6S2

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years**

male hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	194.4	249.3	126.8	125.2	152.9	233.5	286.7	156.0	149.4	223.0	206.0	284.3	130.6	141.4	155.5	157.3	196.9	99.3	81.9	78.1
0-14	7.5	10.2	5.9	5.0	3.1	37.4	46.8	21.6	22.0	20.9	6.4	11.9	5.9	6.2	4.5	7.5	10.2	5.9	5.0	3.1
15-19	28.0	41.5	18.5	21.4	15.6	74.5	90.1	39.8	43.0	45.4	17.8	31.4	16.2	16.8	12.4	19.9	26.7	16.1	13.6	8.5
20-24	37.2	56.7	26.5	30.2	22.4	123.5	158.8	72.6	78.0	83.2	32.5	59.3	31.7	32.8	24.5	37.3	50.9	31.7	26.5	16.8
25-29	50.0	74.0	36.7	41.0	31.2	118.2	143.3	67.9	72.0	77.5	32.6	57.2	31.5	32.6	24.6	34.5	48.3	31.7	26.4	16.8
30-34	63.7	92.3	46.9	51.9	40.2	133.3	158.6	77.3	81.6	88.5	39.9	67.9	38.5	39.7	30.2	44.0	58.4	38.7	32.1	20.7
35-39	57.7	80.9	43.0	46.8	37.3	109.9	131.4	66.3	69.7	76.8	39.2	60.6	36.3	36.5	28.0	39.7	51.6	35.9	29.6	19.3
40-44	79.8	111.5	61.9	66.4	54.4	134.8	177.9	92.7	97.8	109.1	60.3	89.7	54.9	55.2	43.1	59.4	76.3	54.9	44.8	29.4
45-49	95.9	129.9	73.8	79.7	65.8	141.8	181.2	95.7	100.7	112.7	66.1	97.0	60.2	61.4	47.9	64.7	81.6	61.1	49.8	32.9
50-54	112.2	142.7	87.0	91.0	78.2	151.4	192.1	106.8	111.4	127.7	83.1	112.0	73.3	73.1	57.9	83.4	95.8	73.7	59.4	39.8
55-59	140.0	172.9	109.8	113.9	99.3	169.1	210.7	127.0	130.7	150.3	105.1	137.0	91.4	91.8	72.9	109.7	120.2	92.1	74.6	50.3
60-64	177.2	216.8	133.0	136.3	121.2	210.1	260.8	149.1	157.2	179.6	156.0	180.2	120.7	118.4	95.4	152.8	156.2	120.6	96.6	65.9
65-69	219.8	249.6	173.7	176.0	158.7	258.4	300.5	186.0	193.1	222.3	192.3	217.3	160.7	155.3	125.5	177.5	189.4	156.5	127.1	87.6
70-74	270.5	297.3	223.1	220.9	204.0	307.1	356.5	235.0	241.8	280.6	247.7	276.5	215.7	210.1	173.1	237.9	250.2	215.8	171.6	119.1
75-79	326.2	348.6	268.6	257.9	245.1	386.8	420.9	277.5	277.1	329.5	318.1	342.2	268.7	259.3	214.4	280.0	295.9	266.0	211.6	148.9
80-84	391.1	417.4	330.6	318.3	309.9	462.9	513.9	321.2	330.0	396.6	381.8	404.5	353.3	333.4	281.4	349.8	374.1	338.6	272.5	191.9
85+	513.8	541.4	445.5	425.5	418.4	498.9	580.2	417.9	418.1	501.8	541.3	573.5	462.5	451.6	383.0	472.1	491.9	471.6	370.7	262.8

**STANDARD ERRORS**

All	2.3	3.3	2.7	11.4	9.0	3.7	5.0	4.4	14.8	14.7	3.8	5.8	3.8	22.4	14.4	3.3	4.4	3.9	15.1	8.8
0-14	6.7	10.2	5.9	5.4	3.2	34.1	47.3	21.9	23.4	21.9	5.9	12.0	6.0	6.7	4.8	6.7	10.2	5.9	5.4	3.2
15-19	10.8	13.4	6.1	8.7	5.9	31.4	41.0	18.3	23.3	23.5	7.6	14.5	7.5	9.9	6.7	8.0	11.9	7.2	7.8	4.5
20-24	7.2	9.4	4.5	8.4	5.6	25.5	33.1	15.6	26.4	25.6	6.9	13.1	6.8	13.4	8.4	6.9	10.1	6.5	10.3	5.4
25-29	6.7	8.6	4.5	9.6	6.4	17.9	22.0	11.0	20.6	20.0	5.5	9.8	5.2	11.8	7.3	5.2	7.5	5.1	9.2	4.8
30-34	6.2	8.1	4.3	10.4	7.1	14.7	17.8	9.6	19.9	19.4	5.5	9.3	5.0	13.0	7.9	5.3	7.1	4.9	10.1	5.2
35-39	4.9	6.3	3.5	8.3	5.9	10.7	12.9	7.4	15.1	14.9	4.8	7.4	4.2	10.9	6.6	4.4	5.7	4.1	8.7	4.4
40-44	5.2	6.7	3.9	10.1	7.4	10.5	13.9	8.4	18.2	18.4	6.0	9.1	5.1	15.0	9.0	5.4	6.8	5.2	12.2	6.1
45-49	5.1	6.6	4.0	10.6	7.8	8.9	11.9	7.5	16.4	16.5	5.8	8.7	4.9	15.4	9.0	5.6	6.6	5.3	12.8	6.2
50-54	5.3	6.4	4.4	10.9	8.1	8.4	11.3	7.5	16.5	16.4	6.8	9.0	5.6	17.1	9.9	6.7	7.0	6.1	14.6	7.0
55-59	5.7	6.7	5.0	12.4	9.0	8.0	10.9	8.1	17.9	17.1	7.8	9.8	6.4	20.2	11.2	8.2	8.0	7.2	17.8	8.2
60-64	6.2	7.1	5.5	14.3	9.7	8.7	11.9	8.9	21.1	18.5	9.7	11.2	7.8	24.9	13.5	9.9	9.3	9.0	22.8	10.2
65-69	6.7	7.1	6.7	18.6	11.6	9.3	12.2	10.5	26.4	21.4	9.6	11.4	9.6	31.8	16.5	10.0	10.0	11.3	30.1	13.2
70-74	7.5	7.5	8.7	25.2	14.7	11.0	14.1	13.4	35.9	27.2	10.3	12.2	12.7	43.0	21.8	11.3	11.7	15.5	41.7	17.8
75-79	9.2	8.8	11.1	33.1	18.6	15.6	18.4	17.3	46.4	34.4	12.0	14.0	16.1	54.2	27.0	12.8	13.5	19.9	53.6	22.8
80-84	13.1	12.5	16.0	46.7	26.0	25.5	28.2	23.4	62.5	46.0	16.3	18.2	23.5	73.6	36.6	18.3	19.1	27.3	73.2	30.9
85+	21.9	20.3	25.1	71.2	41.1	40.0	40.2	35.5	89.9	67.7	27.8	30.4	34.2	106.2	54.2	29.9	29.5	42.6	106.2	45.5





Table H.6S3

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years**

male hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

RATES																				
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	239.9	305.2	164.9	193.5	209.0	292.9	354.5	210.4	224.9	289.6	240.9	341.7	162.0	192.8	201.2	201.3	244.1	125.9	135.4	129.0
0-14	72.7	87.3	57.5	38.1	32.4	368.8	433.4	245.5	175.0	194.3	66.7	105.6	62.9	43.0	39.3	72.7	87.3	57.5	38.1	32.4
15-19	25.1	36.1	18.2	18.1	14.6	106.6	132.4	73.2	55.5	65.0	26.7	43.8	26.5	18.9	17.1	28.6	36.2	24.3	16.8	14.2
20-24	38.1	54.1	28.2	28.5	23.3	128.3	160.6	90.1	71.1	82.5	35.5	57.4	35.3	26.2	23.5	37.2	47.4	32.8	23.5	19.5
25-29	60.3	86.6	46.7	47.9	39.5	151.7	185.7	107.5	87.7	100.8	46.5	72.0	45.6	35.0	31.0	48.7	60.2	42.3	31.6	26.0
30-34	67.3	92.8	51.6	53.9	44.8	150.5	177.4	102.0	86.9	98.7	49.4	73.9	46.4	37.6	33.0	49.3	61.0	43.5	34.0	27.8
35-39	93.7	128.5	73.8	78.5	65.8	188.8	223.3	132.1	116.6	131.2	67.9	99.9	65.3	54.5	47.5	70.4	84.9	61.4	49.7	40.3
40-44	112.6	152.7	90.6	98.0	82.9	203.1	244.5	148.0	136.9	151.6	84.3	118.3	80.5	69.2	59.4	83.3	101.8	74.5	63.1	50.6
45-49	124.3	162.8	99.8	109.8	93.7	189.8	235.4	142.9	140.4	155.7	91.4	125.4	85.9	76.6	65.3	95.9	109.7	81.7	70.5	56.1
50-54	151.1	191.4	121.2	135.6	116.7	207.6	253.5	162.7	161.1	177.1	108.8	149.2	100.5	96.2	81.5	117.2	131.0	98.1	89.1	70.2
55-59	179.4	220.6	144.3	164.3	142.6	233.3	279.3	181.9	188.0	205.6	133.1	177.8	121.5	121.6	102.2	142.2	155.1	120.7	113.4	88.3
60-64	227.7	272.6	184.1	213.3	186.8	280.5	345.1	221.0	245.4	266.0	207.5	246.4	172.8	173.0	143.0	185.9	200.3	166.5	161.5	125.2
65-69	271.9	309.8	216.1	254.7	225.0	317.6	376.1	242.6	275.3	290.6	253.8	291.6	200.0	210.4	172.5	228.2	238.9	195.5	196.9	150.2
70-74	323.8	360.4	259.7	311.4	277.5	385.9	434.1	290.5	337.9	360.7	305.3	349.4	248.2	276.1	224.4	275.5	295.7	242.2	262.9	196.9
75-79	390.4	420.9	313.2	382.1	343.5	436.6	484.0	334.8	404.1	421.2	381.2	413.9	312.9	359.9	291.8	353.7	363.8	308.1	343.8	258.4
80-84	459.2	488.0	375.0	465.5	422.2	490.0	548.9	379.6	480.5	491.6	447.0	487.9	378.7	462.4	369.7	451.0	456.8	384.1	441.1	328.9
85+	573.6	599.2	475.6	600.6	549.5	579.0	630.2	457.7	589.7	599.1	591.8	620.6	508.0	616.8	484.6	549.7	566.4	486.3	594.4	436.2
STANDARD ERRORS																				
All	2.7	4.5	3.5	17.4	12.9	3.9	6.6	5.5	19.7	19.3	3.5	7.0	4.1	30.1	17.9	3.3	5.3	4.7	21.4	12.7
0-14	22.4	33.7	22.5	18.0	14.2	118.2	171.1	97.8	80.8	85.3	21.7	42.4	25.2	21.2	17.8	22.4	33.7	22.5	18.0	14.2
15-19	7.2	15.4	7.8	8.8	6.8	32.9	50.2	27.8	24.1	27.1	8.2	16.8	10.1	8.8	7.3	8.5	13.5	9.1	7.6	5.9
20-24	4.6	9.9	5.2	8.0	5.8	19.4	28.6	16.2	18.5	19.5	5.4	10.6	6.3	8.1	6.1	5.0	8.0	5.6	6.8	4.7
25-29	4.5	9.7	5.3	10.7	7.4	15.3	21.7	13.0	18.4	18.7	4.9	9.2	5.5	9.3	6.5	4.6	6.9	5.0	7.9	5.1
30-34	3.8	8.0	4.6	10.4	7.2	11.3	15.8	9.8	15.7	15.7	4.2	7.7	4.5	9.1	6.1	3.9	5.7	4.2	7.7	4.9
35-39	3.9	8.2	4.8	12.9	9.0	10.9	15.2	10.2	18.2	18.0	4.7	8.6	5.0	12.0	7.8	4.6	6.5	4.9	10.2	6.3
40-44	3.6	7.7	4.6	13.8	9.7	9.9	14.4	9.8	18.6	18.3	4.8	8.8	5.1	14.0	8.8	4.7	6.7	5.2	12.0	7.1
45-49	3.4	6.9	4.4	13.3	9.6	7.8	12.1	8.3	16.6	16.7	4.7	8.4	5.0	14.3	8.8	5.0	6.7	5.3	12.4	7.3
50-54	3.6	6.8	4.5	14.2	10.2	7.3	11.4	8.4	16.9	16.7	5.2	8.9	5.4	16.8	9.9	5.8	7.3	6.1	14.8	8.4
55-59	3.7	6.7	4.7	15.3	10.8	7.1	11.2	8.6	18.3	17.6	5.8	9.7	6.1	20.1	11.4	6.6	7.9	7.2	18.1	9.9
60-64	4.0	7.0	5.2	18.5	12.4	7.8	12.8	9.7	22.6	21.1	7.8	11.9	8.2	27.4	14.8	7.8	9.3	9.6	25.0	13.3
65-69	4.2	6.8	5.6	22.3	13.7	8.0	12.5	10.4	25.8	21.9	7.9	11.9	8.8	32.5	16.7	8.2	9.8	10.9	30.4	15.5
70-74	4.7	7.4	6.8	29.6	16.7	9.5	14.2	12.7	34.4	27.1	8.1	12.1	10.8	42.5	20.8	8.5	10.8	13.3	41.1	20.1
75-79	5.8	8.9	9.2	41.2	22.4	12.6	17.7	16.4	46.2	34.2	9.5	13.2	14.3	56.8	27.2	10.6	13.0	17.8	55.8	27.2
80-84	8.2	12.5	13.1	58.1	31.5	20.0	26.0	22.0	62.1	44.6	12.6	17.1	19.1	76.6	36.0	14.7	17.6	24.4	76.0	36.7
85+	13.4	20.2	20.6	86.9	48.1	33.3	37.4	31.7	87.5	61.3	21.0	26.7	29.5	108.3	51.1	23.1	27.1	34.3	110.0	52.7

Table H.6S 4

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years**

male hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	204.2	243.1	169.5	236.2	205.4	314.5	365.2	263.3	312.0	337.7	213.5	315.5	171.7	237.9	244.8	161.2	188.3	121.3	157.0	141.7
0-14	53.6	59.1	46.2	55.1	39.2	299.0	329.7	229.1	272.7	228.5	45.9	60.6	44.4	54.8	42.6	53.6	59.1	46.2	55.1	39.2
15-19	19.7	23.1	16.3	26.2	14.6	72.1	81.2	55.3	65.8	57.8	15.3	20.3	14.9	18.5	14.5	17.5	19.5	15.4	18.4	13.2
20-24	36.7	44.8	32.1	50.4	29.1	143.0	165.7	113.7	135.5	120.1	34.1	46.0	34.1	42.4	33.5	38.7	44.0	35.0	41.6	30.1
25-29	43.2	51.9	37.8	58.2	34.9	140.4	158.3	110.7	131.1	117.2	37.8	49.1	36.7	45.7	36.5	41.0	46.1	36.9	44.4	32.6
30-34	57.0	69.6	51.6	77.8	48.4	153.8	175.7	126.2	149.6	134.9	47.5	61.9	46.3	58.1	46.8	52.0	57.0	46.8	55.8	41.4
35-39	78.5	92.9	69.7	103.0	66.4	185.5	205.7	148.7	175.7	159.6	62.5	79.6	60.6	75.6	61.4	66.8	73.2	60.1	71.9	53.9
40-44	96.7	115.4	87.0	126.5	84.5	205.1	236.4	169.6	204.9	187.0	79.8	104.3	77.0	97.9	80.2	87.8	94.2	78.4	92.5	69.4
45-49	124.1	143.1	109.9	155.4	107.8	244.7	279.6	192.5	228.6	213.4	103.0	126.4	100.1	123.2	102.2	105.4	116.0	95.3	114.6	86.7
50-54	161.1	183.9	142.6	198.4	142.8	258.4	306.4	217.7	267.3	249.8	143.4	164.6	132.3	160.0	134.4	137.3	152.5	118.7	145.6	112.0
55-59	197.5	216.3	172.9	232.2	173.1	282.6	336.4	237.5	282.5	267.2	170.5	192.9	160.2	188.7	159.1	161.0	169.7	147.1	173.0	132.6
60-64	238.7	269.9	216.7	288.8	223.3	312.6	374.0	283.5	340.7	324.4	226.7	269.5	203.3	254.1	215.3	212.8	226.3	189.4	229.6	178.4
65-69	314.4	346.6	278.9	363.4	291.4	393.3	464.1	336.1	398.2	381.5	286.6	339.5	260.8	330.5	284.0	282.6	301.1	243.3	294.6	229.1
70-74	351.3	380.5	312.2	398.7	332.7	411.0	470.4	349.4	416.6	407.0	342.8	390.2	302.9	384.6	335.6	315.8	331.3	281.6	336.1	269.8
75-79	419.0	447.4	375.9	469.6	405.4	477.1	532.6	398.2	464.3	459.2	441.4	487.4	378.2	483.0	421.0	370.1	385.1	345.3	419.5	334.8
80-84	512.2	549.8	468.6	573.3	512.8	506.6	582.3	445.6	536.3	528.1	525.7	574.4	484.9	614.4	538.4	509.4	517.5	440.2	523.7	425.4
85+	656.8	703.5	604.9	727.2	675.7	628.2	688.9	526.1	626.4	626.1	711.6	771.6	625.7	797.7	712.9	609.0	636.7	551.2	676.4	552.8

**STANDARD ERRORS**

All	1.8	3.2	2.5	16.4	10.4	4.9	10.9	8.9	33.5	33.5	2.9	9.2	4.4	44.3	25.3	2.1	4.4	4.0	22.0	12.9
0-14	17.5	22.1	17.4	25.0	16.6	101.8	126.4	88.4	123.9	99.2	15.7	23.5	17.1	26.8	18.9	17.5	22.1	17.4	25.0	16.6
15-19	6.2	9.1	6.5	11.8	6.3	26.7	33.9	23.2	30.8	26.5	5.6	8.5	6.2	9.2	6.7	6.3	7.9	6.3	8.6	5.9
20-24	4.7	7.0	5.1	12.8	6.5	22.7	28.3	19.8	35.3	29.1	5.3	8.0	5.7	13.2	8.4	5.2	6.7	5.5	11.0	6.7
25-29	3.6	5.2	3.9	12.0	6.2	16.1	19.1	13.8	28.4	23.3	4.3	6.2	4.3	12.5	7.6	3.7	4.8	4.0	9.9	5.9
30-34	3.4	4.9	3.8	13.6	7.2	13.0	15.6	12.1	27.7	23.2	4.2	6.2	4.2	14.4	8.6	3.5	4.4	3.9	11.0	6.4
35-39	3.5	5.0	3.9	15.5	8.5	12.5	14.8	12.1	28.5	24.3	4.4	6.7	4.4	17.3	10.1	3.7	4.7	4.2	12.7	7.4
40-44	3.5	5.3	4.0	16.7	9.4	12.0	15.1	12.0	29.5	25.7	4.6	7.9	4.7	20.8	11.9	4.2	5.4	4.8	15.0	8.6
45-49	3.8	5.7	4.3	17.9	10.5	12.4	16.2	12.2	29.4	27.0	5.0	8.6	5.3	24.6	13.9	4.6	6.1	5.4	17.2	9.8
50-54	4.7	6.7	5.1	20.2	12.3	12.0	16.6	12.7	31.3	28.8	6.4	10.3	6.6	30.3	16.8	5.9	7.6	6.7	20.6	11.7
55-59	5.5	7.5	5.8	21.8	13.4	12.3	18.0	12.8	30.9	29.0	7.4	11.5	7.6	34.5	18.5	7.0	8.5	8.2	23.7	13.3
60-64	6.2	8.6	6.9	26.4	15.9	12.8	18.9	14.5	36.5	33.6	9.3	14.8	9.5	45.3	23.6	9.1	10.8	10.5	31.5	17.3
65-69	7.5	10.1	8.4	34.5	20.1	15.1	22.8	16.5	44.5	38.6	10.7	16.9	11.6	58.7	30.0	10.8	13.1	13.1	41.2	22.2
70-74	8.1	10.6	9.7	41.4	23.7	16.3	22.8	18.3	50.3	42.1	12.1	17.6	13.9	68.5	34.9	11.3	13.7	15.2	49.1	26.9
75-79	10.2	13.0	13.1	55.2	31.8	22.6	29.2	23.6	61.8	50.3	15.5	21.1	18.7	89.1	45.0	13.5	15.8	20.4	66.3	35.6
80-84	15.4	19.0	19.8	77.0	46.0	30.3	37.0	30.8	80.5	62.6	21.8	27.3	28.1	118.9	61.4	21.6	24.4	29.3	89.3	49.9
85+	25.9	31.3	31.2	112.0	69.8	47.8	52.4	42.7	105.8	82.5	35.8	44.5	40.6	163.6	88.3	32.7	36.9	41.8	126.4	71.5



Table H.7

**Death Rates: by Age Group**

female hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

RATES																				
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	225.3	272.6	182.5	179.7	173.4	253.8	299.9	212.0	198.3	227.0	245.3	338.6	184.4	195.6	189.4	179.0	214.0	132.1	125.4	108.0
0-14	35.8	40.9	32.3	20.1	16.5	148.2	167.1	112.4	74.7	75.5	26.5	39.7	27.6	18.0	16.0	35.8	40.9	32.3	20.1	16.5
15-19	25.6	29.3	18.2	15.6	12.1	63.1	65.0	41.6	29.3	31.5	16.6	22.1	15.5	10.5	9.2	22.6	22.9	18.1	11.6	9.5
20-24	37.4	47.6	30.5	26.4	20.6	99.2	114.4	74.5	53.5	57.1	28.3	41.7	29.9	20.8	18.2	37.7	42.3	35.4	22.8	18.6
25-29	50.1	63.1	41.2	36.2	28.4	113.5	123.5	81.5	58.5	62.1	33.4	47.5	33.9	24.7	21.4	42.8	47.7	39.6	26.9	21.4
30-34	65.8	82.4	54.2	48.9	38.8	129.7	147.2	94.4	71.7	75.0	41.7	60.1	42.7	32.7	28.2	53.6	60.8	48.9	35.3	28.2
35-39	77.6	98.1	65.4	60.0	48.1	139.1	164.5	103.1	83.0	86.9	50.5	72.8	51.1	40.9	35.1	63.6	72.2	60.4	43.4	34.4
40-44	94.4	118.1	81.8	75.7	61.0	152.4	181.6	123.2	100.8	102.8	68.1	90.7	67.3	53.7	45.1	77.3	87.3	74.1	56.9	44.3
45-49	108.7	133.6	94.6	89.4	73.2	150.0	184.9	122.8	106.2	112.8	79.2	107.1	74.6	62.3	52.9	83.1	94.8	80.7	65.5	51.2
50-54	134.3	163.0	116.4	111.9	91.9	166.1	213.6	136.0	125.1	131.5	104.0	124.1	100.6	82.3	67.4	110.9	123.6	100.8	86.0	64.2
55-59	157.0	185.6	138.9	133.2	111.2	176.9	216.8	154.3	143.2	148.2	131.4	154.6	122.6	100.4	84.3	133.8	144.9	125.9	102.3	77.6
60-64	191.0	225.4	166.6	166.7	140.1	210.5	254.3	183.2	184.2	175.6	167.5	208.8	150.9	134.2	111.9	177.8	192.7	155.9	138.4	108.2
65-69	246.0	280.7	212.4	217.7	187.1	258.3	298.8	218.6	232.1	236.5	223.9	272.5	193.5	181.7	152.4	229.9	246.9	199.8	184.1	143.1
70-74	297.1	336.0	253.2	265.3	228.2	319.0	372.6	259.2	282.7	270.4	280.8	330.7	238.6	237.1	200.5	276.0	293.9	248.0	234.6	178.9
75-79	354.3	386.4	311.1	321.4	278.5	378.8	421.8	323.5	330.7	332.8	342.4	384.3	297.4	303.5	244.9	333.5	349.0	311.8	300.1	221.9
80-84	424.8	455.0	378.6	391.7	343.2	453.9	511.4	364.7	393.6	394.2	418.0	443.5	396.5	389.6	309.5	416.3	431.2	383.8	379.0	291.2
85+	539.5	579.7	483.6	510.7	453.2	555.5	628.1	446.7	482.7	480.7	550.3	595.3	499.5	525.3	427.9	524.4	543.8	493.3	511.5	385.9
STANDARD ERRORS																				
All	0.6	1.8	1.5	6.5	4.7	2.3	3.3	2.8	9.8	9.3	2.8	4.8	2.9	19.5	10.4	2.3	3.0	2.8	12.0	6.3
0-14	7.1	8.4	6.8	5.2	3.9	32.1	35.6	24.1	18.9	18.0	6.0	8.7	6.0	4.9	4.0	7.1	8.4	6.8	5.2	3.9
15-19	4.3	5.0	3.1	3.3	2.4	12.1	12.5	8.0	6.6	6.7	3.2	4.3	3.0	2.6	2.1	3.9	4.2	3.3	2.7	2.0
20-24	3.1	3.9	2.5	3.7	2.4	11.3	11.9	7.8	8.1	7.8	3.4	4.6	3.2	3.7	2.7	3.4	3.9	3.4	3.7	2.5
25-29	2.7	3.5	2.4	4.2	2.7	8.9	9.5	6.6	7.6	7.2	3.3	4.3	2.9	4.0	2.8	3.0	3.5	3.0	3.9	2.5
30-34	2.7	3.5	2.4	4.8	3.2	7.9	9.1	6.5	8.2	7.7	3.5	4.8	3.1	4.8	3.3	3.1	3.8	3.1	4.7	3.0
35-39	2.5	3.5	2.4	5.2	3.4	7.1	8.9	6.4	8.5	8.1	3.6	5.3	3.3	5.6	3.8	3.2	4.0	3.5	5.3	3.3
40-44	2.6	3.6	2.5	5.7	3.8	6.3	8.4	6.5	9.3	8.9	4.0	6.1	3.7	6.8	4.5	3.5	4.4	3.9	6.6	4.0
45-49	2.5	3.4	2.5	5.8	4.0	4.9	7.2	5.5	8.7	8.9	4.1	6.6	3.8	7.4	4.9	3.5	4.4	4.2	7.1	4.4
50-54	2.6	3.6	2.8	6.3	4.5	4.3	6.8	5.1	9.3	9.5	4.7	7.1	4.7	9.2	5.8	4.2	5.2	5.1	8.9	5.2
55-59	2.6	3.7	2.9	6.6	4.8	3.8	6.0	4.8	9.5	9.8	5.0	7.9	5.1	10.7	6.9	4.7	5.6	6.1	10.2	6.0
60-64	2.7	3.8	3.1	7.5	5.5	3.7	5.8	4.9	11.4	10.8	5.3	8.9	5.6	13.7	8.7	5.5	6.6	7.2	13.3	8.1
65-69	2.9	3.9	3.5	9.4	6.7	3.8	5.7	5.1	13.6	12.8	5.2	8.5	6.0	17.9	10.9	5.8	6.9	8.6	17.5	10.3
70-74	3.3	4.3	4.0	11.9	7.9	4.5	6.6	6.1	17.1	13.9	5.4	8.3	6.6	22.7	13.5	6.2	7.3	10.1	22.3	12.4
75-79	4.1	5.1	5.4	16.1	10.2	6.2	8.7	8.6	22.6	18.8	6.2	8.6	8.5	28.9	16.3	7.4	8.5	13.3	29.4	15.6
80-84	5.9	7.0	7.9	22.7	14.0	10.4	14.3	13.3	31.0	25.5	8.2	10.6	12.4	38.7	20.7	10.7	11.9	18.8	39.3	22.0
85+	9.6	11.3	11.8	34.4	21.5	20.0	26.4	21.9	43.4	35.1	12.9	16.8	17.8	54.7	31.9	16.8	18.7	25.4	56.3	31.7



Table H.7S 1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year**

*female hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	220.7	271.4	164.4	143.2	157.5	226.2	268.5	178.7	150.6	186.8	254.3	346.9	170.2	173.6	172.8	196.1	236.7	139.3	115.9	101.3
0-14	26.9	29.0	26.1	8.8	7.7	80.1	91.0	67.5	25.3	26.7	14.4	22.2	15.2	5.9	5.6	26.9	29.0	26.1	8.8	7.7
15-19	22.4	22.0	14.4	7.6	7.1	37.7	34.1	22.8	9.8	11.2	11.2	13.2	9.0	3.8	3.5	20.0	16.7	14.9	5.5	4.8
20-24	28.3	35.9	24.5	13.3	12.3	54.8	65.2	43.9	20.2	22.7	17.9	27.0	18.7	8.5	7.8	30.5	32.7	31.4	12.0	10.2
25-29	36.8	46.9	31.5	18.3	16.8	62.5	71.6	48.9	23.4	25.9	21.5	31.4	21.5	10.6	9.6	34.5	37.1	34.0	14.6	12.2
30-34	58.8	75.1	50.9	31.7	28.9	88.8	103.6	69.8	37.2	40.3	33.5	48.5	33.7	17.9	16.0	52.0	57.7	51.6	24.2	19.9
35-39	63.3	81.1	56.2	36.5	33.3	92.0	109.1	73.4	42.1	45.8	37.6	54.7	37.7	22.1	19.4	61.0	64.9	62.1	29.2	23.7
40-44	73.1	90.7	64.5	44.5	40.0	97.7	116.3	82.7	50.6	53.2	46.2	65.2	46.0	28.5	24.5	66.0	73.6	68.1	36.5	29.3
45-49	87.4	107.1	76.0	56.2	49.8	109.9	130.3	91.3	60.0	61.1	57.9	80.8	54.1	36.1	30.9	71.9	81.1	73.5	45.4	35.6
50-54	110.9	137.8	96.2	74.9	67.3	130.6	157.2	111.9	79.0	83.7	73.0	104.2	68.6	52.0	43.7	106.6	118.6	102.6	64.6	50.0
55-59	133.3	162.9	111.0	92.4	82.8	141.8	175.1	115.7	94.5	100.8	104.4	134.5	90.4	70.2	57.5	135.3	147.5	125.1	83.7	63.1
60-64	165.6	198.0	132.4	119.2	105.1	172.9	211.3	139.3	127.6	123.4	138.8	183.6	113.7	96.4	79.9	173.2	183.4	157.0	114.8	87.5
65-69	241.3	277.1	193.6	185.3	166.3	244.3	281.1	201.3	194.5	188.7	224.3	276.6	177.5	155.9	126.0	246.2	270.9	203.8	177.0	139.6
70-74	295.9	339.1	224.1	236.8	204.5	298.2	354.5	220.5	244.0	228.7	285.1	342.4	214.0	213.0	176.2	293.0	312.9	266.8	239.9	169.0
75-79	360.3	389.2	313.0	305.3	269.5	371.0	405.5	311.4	304.4	307.0	355.1	384.8	307.9	293.5	229.1	366.8	379.0	344.2	320.8	232.0
80-84	432.7	458.0	385.6	397.1	346.7	467.7	507.5	385.7	389.4	392.0	412.4	443.3	369.5	407.3	300.7	442.4	448.6	437.6	430.9	311.5
85+	551.6	603.6	489.8	542.4	475.9	544.8	635.9	432.7	524.3	503.0	552.5	590.9	495.4	570.4	446.0	592.1	610.7	570.1	596.6	427.4

**STANDARD ERRORS**

All	1.5	3.7	3.2	13.0	9.6	3.3	4.0	3.6	12.1	10.9	4.9	6.6	4.3	29.8	14.3	4.3	4.8	4.5	18.9	9.3
0-14	8.8	10.1	9.1	4.2	3.1	27.2	32.5	24.2	11.6	11.0	5.1	8.2	5.6	3.0	2.4	8.8	10.1	9.1	4.2	3.1
15-19	5.6	6.4	4.2	3.0	2.4	10.7	10.9	7.3	4.0	4.1	3.3	4.3	2.9	1.7	1.4	5.3	5.1	4.6	2.4	1.8
20-24	4.2	5.8	4.0	3.8	2.9	9.7	11.7	8.0	5.9	5.6	3.4	5.3	3.5	3.0	2.1	4.9	5.6	5.3	3.9	2.6
25-29	3.8	5.4	3.7	4.4	3.2	7.9	9.5	6.8	5.8	5.4	3.2	4.9	3.2	3.4	2.3	4.3	5.0	4.6	4.2	2.7
30-34	4.1	6.4	4.4	6.6	4.8	8.6	10.7	8.0	8.1	7.3	4.1	6.4	4.2	5.2	3.4	5.1	6.3	5.6	6.3	3.9
35-39	3.6	5.9	4.2	6.7	4.9	7.7	10.0	7.4	8.1	7.5	4.0	6.6	4.1	5.9	3.7	5.1	6.3	6.0	7.0	4.2
40-44	3.4	5.7	4.2	7.1	5.2	6.9	9.2	7.4	8.6	7.9	4.4	7.2	4.6	7.1	4.3	5.1	6.5	6.2	8.1	4.8
45-49	3.3	5.6	4.3	7.8	5.7	6.1	8.5	6.8	9.0	8.2	5.0	8.2	4.9	8.3	5.0	5.2	6.5	6.5	9.4	5.4
50-54	3.5	6.0	4.8	9.0	6.7	5.7	8.3	7.0	10.4	10.0	5.7	9.6	5.9	11.3	6.5	6.9	8.6	8.7	12.6	7.1
55-59	3.5	6.0	4.9	9.6	7.4	5.2	7.8	6.4	11.1	11.0	6.9	11.0	6.9	14.3	7.9	7.9	9.6	10.3	15.5	8.4
60-64	3.5	5.9	5.0	11.1	8.3	5.1	7.6	6.5	13.6	12.0	7.5	12.3	7.7	18.6	10.2	8.9	10.4	12.3	20.4	11.1
65-69	4.2	6.7	6.4	16.2	11.6	6.0	8.4	8.1	19.5	16.2	8.9	13.3	10.0	28.9	14.8	10.5	12.5	14.8	30.7	16.9
70-74	4.8	7.3	7.3	21.3	13.5	7.1	9.9	9.4	25.3	18.6	9.3	13.1	11.1	38.2	19.5	11.2	12.9	18.5	42.0	19.6
75-79	6.0	8.5	10.4	30.8	18.7	9.9	12.8	14.1	35.8	27.3	10.7	13.4	15.3	52.7	24.4	13.6	15.0	24.2	57.7	27.8
80-84	8.5	11.6	15.1	46.1	26.5	16.5	20.9	22.5	52.2	38.5	13.1	16.0	19.8	75.5	33.0	18.3	19.7	33.6	81.6	38.9
85+	13.9	19.6	22.5	73.4	41.7	28.9	39.3	32.6	80.4	56.3	20.6	25.4	29.1	111.9	52.3	29.0	32.2	46.0	119.2	57.0



Table H.7S 2

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years***female hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	195.1	246.9	147.3	143.9	155.9	218.5	272.2	166.1	162.0	216.4	213.6	298.1	153.6	169.3	166.7	149.7	185.7	105.0	88.3	75.3
0-14	7.5	10.2	5.8	5.2	3.2	36.2	45.7	20.8	22.3	20.6	6.3	11.8	5.8	6.4	4.6	7.5	10.2	5.8	5.2	3.2
15-19	29.1	43.0	19.0	22.5	16.2	70.8	86.9	38.0	43.0	44.4	17.4	31.1	15.9	17.3	12.5	20.9	26.9	16.0	14.1	8.6
20-24	38.3	58.5	27.0	31.5	23.3	122.4	153.3	69.5	77.7	81.0	32.0	58.7	31.0	33.6	24.5	37.2	50.7	31.2	27.4	16.9
25-29	51.5	76.5	37.2	42.8	32.2	108.9	137.2	64.1	71.5	75.3	33.1	56.5	31.0	33.3	24.5	36.8	48.7	31.2	27.3	16.9
30-34	63.1	93.4	46.3	53.4	41.2	115.7	151.0	71.8	80.5	85.5	38.0	66.2	37.5	40.3	30.0	43.2	57.6	37.7	33.0	20.7
35-39	56.4	81.1	42.4	48.0	37.9	95.8	124.3	61.7	68.8	73.7	36.2	59.6	34.5	37.0	27.7	39.4	51.1	35.0	30.3	19.3
40-44	80.1	112.0	61.7	68.6	54.8	141.4	171.6	89.3	97.2	104.4	54.4	86.9	52.5	55.9	42.3	57.6	74.9	52.8	45.9	29.4
45-49	95.1	129.7	73.2	80.3	66.3	139.6	172.7	91.3	98.5	108.3	57.8	93.4	57.4	61.4	46.9	61.0	80.8	57.9	50.5	32.6
50-54	109.6	142.8	85.6	92.2	77.7	134.2	183.1	98.1	108.7	120.5	81.2	108.6	70.7	73.4	56.5	81.9	93.3	71.0	60.5	39.5
55-59	134.4	171.3	107.5	113.0	97.9	150.7	200.5	117.1	125.5	140.7	106.0	131.5	90.0	91.5	71.3	100.9	116.3	87.4	75.1	49.5
60-64	155.1	194.6	125.7	135.7	119.6	173.0	229.6	137.7	151.8	169.8	122.3	164.6	111.1	117.8	92.7	126.2	143.4	113.9	97.3	64.8
65-69	202.4	238.8	164.1	172.9	155.8	221.0	270.8	172.1	185.1	207.0	170.7	213.4	145.8	153.0	122.2	170.1	178.3	151.7	127.4	85.9
70-74	263.5	302.6	215.4	217.8	199.0	286.0	340.5	219.3	233.6	262.0	240.7	277.1	203.5	207.7	166.6	246.1	249.7	207.9	170.9	116.1
75-79	297.7	333.2	250.3	254.4	238.3	324.2	377.6	251.4	268.9	308.9	291.2	333.5	247.4	254.2	206.1	259.2	277.7	256.2	210.8	144.0
80-84	362.7	397.8	311.5	310.1	300.3	381.8	437.2	295.3	318.8	376.3	361.8	401.2	325.2	325.7	266.1	342.5	359.7	324.6	269.6	186.5
85+	481.0	519.4	419.5	410.6	405.9	521.9	560.5	382.8	396.2	469.1	503.4	543.8	432.2	443.8	365.6	415.2	455.0	439.7	365.4	256.2
	STANDARD ERRORS																			
All	2.3	3.5	2.8	11.2	9.1	3.3	4.8	3.9	13.3	13.9	4.4	7.1	4.4	26.4	15.3	3.7	4.9	4.3	16.4	8.7
0-14	6.8	10.2	5.9	5.6	3.3	32.9	46.1	21.1	23.8	21.6	5.8	12.0	5.9	7.0	4.8	6.8	10.2	5.9	5.6	3.3
15-19	11.2	13.9	6.2	9.3	6.2	29.9	39.6	17.4	23.5	23.0	7.4	14.4	7.3	10.4	6.8	8.4	12.0	7.2	8.2	4.5
20-24	7.6	9.9	4.7	9.1	5.9	25.2	32.3	14.9	26.9	25.1	7.0	13.4	6.8	14.2	8.5	7.0	10.3	6.5	11.1	5.6
25-29	7.1	9.2	4.6	10.3	6.7	16.3	21.3	10.3	20.9	19.6	5.9	10.1	5.3	12.6	7.4	5.7	7.8	5.1	9.9	4.9
30-34	6.6	8.6	4.4	11.1	7.4	13.7	17.6	9.0	20.1	19.0	5.7	9.6	5.1	13.7	8.0	5.5	7.3	5.0	10.9	5.3
35-39	5.2	6.7	3.6	8.8	6.1	10.6	13.1	7.0	15.2	14.6	4.9	7.8	4.2	11.5	6.7	4.7	5.9	4.2	9.3	4.5
40-44	5.8	7.4	4.2	10.8	7.5	11.8	14.5	8.1	18.3	17.8	6.3	9.5	5.3	15.9	9.1	5.9	7.2	5.3	13.0	6.2
45-49	5.5	7.0	4.2	10.8	7.9	9.4	12.1	7.1	15.9	16.1	6.0	9.0	5.1	16.0	9.1	5.7	6.8	5.3	13.5	6.4
50-54	5.6	6.8	4.5	10.8	8.1	7.7	11.2	6.8	15.3	15.7	7.7	9.4	5.8	17.7	9.8	7.2	7.2	6.1	15.4	7.1
55-59	5.7	7.0	4.8	11.6	8.9	7.1	10.7	7.0	15.6	16.0	8.7	10.1	6.6	20.6	11.2	8.2	8.1	7.1	18.4	8.4
60-64	5.6	6.7	5.0	12.7	9.7	6.9	10.6	7.5	17.6	17.4	8.9	11.3	7.4	25.0	13.3	9.2	9.1	8.7	23.2	10.4
65-69	6.1	7.0	5.8	15.7	11.4	7.3	10.8	8.3	21.2	19.5	9.5	12.4	8.7	31.1	16.2	10.6	10.2	11.2	30.3	13.3
70-74	7.3	8.1	7.3	20.8	14.1	9.1	13.0	10.6	28.5	24.1	10.8	14.0	11.3	41.6	21.2	13.0	13.1	15.0	41.3	17.9
75-79	8.7	9.3	9.3	27.4	17.8	12.1	16.2	13.7	37.4	30.5	12.3	15.7	14.1	51.2	25.9	14.1	14.7	19.1	52.6	22.6
80-84	12.5	12.8	13.4	38.8	25.0	19.0	23.0	19.1	51.3	42.5	16.4	20.0	19.9	68.6	34.2	20.2	20.4	26.0	70.5	30.7
85+	20.8	20.8	21.1	59.7	39.8	38.5	38.7	29.8	74.0	61.5	25.7	30.3	29.1	98.8	51.6	29.6	30.0	38.3	101.4	45.3



Table H.7S3

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years**

*female hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	250.2	303.6	204.0	218.6	198.7	292.0	348.4	242.6	243.8	274.2	258.0	356.3	198.2	221.8	202.2	190.9	227.7	137.8	139.4	116.0
0-14	77.4	90.8	62.7	39.5	32.1	392.9	463.2	273.2	185.4	196.9	73.9	114.8	71.1	46.2	40.3	77.4	90.8	62.7	39.5	32.1
15-19	29.0	39.6	21.4	19.9	14.9	112.1	141.0	81.1	58.5	65.5	29.1	47.1	29.7	20.1	17.4	30.5	37.5	26.4	17.3	13.9
20-24	43.2	58.7	32.7	31.0	23.4	132.6	168.9	99.0	74.2	82.2	38.2	61.0	39.2	27.6	23.6	39.6	48.8	35.1	23.8	19.0
25-29	67.4	92.7	53.4	51.5	39.2	160.0	195.1	117.3	90.6	99.5	49.2	76.1	49.7	36.5	30.9	50.8	61.1	45.0	31.7	25.0
30-34	73.7	98.2	58.4	57.3	44.0	149.8	180.5	110.3	88.8	96.5	51.1	76.2	50.6	38.8	32.5	52.1	61.2	46.2	33.9	26.4
35-39	100.5	134.2	82.5	82.3	63.8	184.2	228.4	139.5	118.2	126.9	69.0	103.8	69.2	55.8	46.4	71.9	84.5	64.2	49.0	37.8
40-44	119.6	157.6	100.0	101.5	79.4	198.6	247.7	154.9	136.5	145.6	86.5	122.8	84.5	69.9	57.5	87.7	100.5	77.8	62.0	47.2
45-49	128.5	166.0	108.8	112.4	88.7	178.8	233.1	149.0	137.9	147.1	96.0	128.5	90.6	76.8	62.6	90.7	104.3	82.6	68.4	51.8
50-54	155.0	192.7	130.5	137.1	109.1	208.1	268.5	161.7	158.6	165.7	114.8	148.0	108.4	95.6	77.0	106.9	124.0	97.4	85.2	63.7
55-59	181.8	219.5	153.4	164.0	131.7	224.5	276.5	187.8	184.2	188.9	146.6	178.6	132.0	119.3	95.6	134.0	147.1	119.8	107.3	79.6
60-64	224.9	268.0	193.5	210.4	170.5	274.1	338.0	229.4	236.6	242.9	195.7	237.2	175.9	167.4	132.2	180.4	198.1	158.5	151.4	111.8
65-69	258.6	300.8	224.3	248.2	202.9	279.9	335.6	235.0	265.1	275.8	224.3	265.0	200.1	202.0	159.5	215.5	230.1	187.0	182.3	132.9
70-74	307.0	345.8	266.3	299.8	247.2	345.3	399.6	286.3	322.6	321.6	279.8	329.4	247.6	264.1	205.6	265.4	279.0	235.4	240.7	174.2
75-79	363.9	398.9	317.3	363.5	302.3	405.7	458.6	334.8	378.2	378.0	343.4	396.7	298.5	339.0	260.0	327.0	343.0	290.3	309.2	223.6
80-84	425.1	456.8	375.3	437.4	366.9	453.1	525.1	365.6	446.4	432.7	429.7	462.5	390.7	428.3	328.1	402.3	415.4	358.9	396.8	281.6
85+	519.6	554.2	470.2	557.6	471.9	505.7	576.6	436.4	540.9	527.9	556.2	596.9	488.6	567.6	428.0	483.4	509.5	455.8	525.9	368.9

**STANDARD ERRORS**

All	2.8	4.8	3.8	17.3	12.7	3.5	6.4	5.1	18.4	18.2	4.1	8.5	5.0	34.5	18.4	3.6	5.8	5.2	22.6	11.8
0-14	24.2	35.3	24.7	19.1	14.2	126.8	183.6	109.0	86.7	86.9	24.2	46.4	28.6	23.1	18.5	24.2	35.3	24.7	19.1	14.2
15-19	8.3	16.9	9.1	9.8	6.9	34.5	53.4	30.8	25.6	27.3	9.0	18.1	11.3	9.5	7.5	9.1	14.0	9.8	7.9	5.8
20-24	5.3	10.8	6.1	9.0	5.8	19.9	30.2	17.7	19.8	19.6	5.9	11.5	7.1	8.8	6.2	5.4	8.3	6.0	7.2	4.7
25-29	5.1	10.6	6.1	11.9	7.5	16.0	22.9	14.1	19.5	18.6	5.5	10.1	6.2	10.1	6.7	4.9	7.2	5.4	8.3	5.0
30-34	4.3	8.8	5.2	11.5	7.3	11.9	16.8	10.6	16.5	15.6	4.8	8.4	5.1	9.7	6.3	4.3	6.0	4.6	8.1	4.8
35-39	4.4	9.0	5.5	14.1	8.9	11.6	16.9	10.7	19.0	17.7	5.3	9.6	5.7	12.7	7.9	5.0	6.9	5.3	10.7	6.1
40-44	4.2	8.5	5.3	15.0	9.6	10.6	15.6	10.3	19.0	17.9	5.8	10.0	6.0	14.6	8.9	5.4	7.2	5.7	12.5	6.9
45-49	3.8	7.4	4.9	14.1	9.3	8.0	12.9	8.6	16.6	16.0	5.8	9.3	5.8	14.8	8.7	5.2	6.7	5.7	12.8	6.9
50-54	3.8	7.2	5.0	14.6	9.9	7.5	12.7	8.1	16.6	16.1	6.3	9.7	6.3	17.2	9.8	5.7	7.2	6.2	15.1	7.9
55-59	3.8	6.9	5.0	14.9	10.4	6.8	11.5	8.2	16.8	16.4	7.1	10.6	7.0	20.1	11.1	6.7	7.9	7.3	18.1	9.2
60-64	4.0	7.0	5.3	16.9	11.7	7.0	12.3	9.0	19.9	19.4	8.2	12.6	8.5	26.7	14.2	8.0	9.7	9.2	24.6	12.2
65-69	3.9	6.7	5.4	18.9	12.8	6.2	10.7	8.4	21.4	20.5	7.5	12.1	8.7	31.1	16.0	8.3	10.1	10.5	29.1	14.1
70-74	4.3	7.3	6.2	24.0	15.3	7.2	12.1	10.1	27.6	23.5	8.0	13.2	10.0	39.8	19.9	9.1	11.3	12.9	38.6	18.3
75-79	5.4	8.8	8.1	33.2	20.1	9.8	15.7	13.4	36.5	29.8	9.3	14.5	12.5	51.6	25.1	10.9	13.6	16.6	51.0	23.9
80-84	7.8	12.2	11.7	47.1	27.6	15.8	23.4	18.2	50.5	38.4	12.7	18.2	18.0	67.5	32.5	15.6	18.5	22.6	68.6	31.9
85+	12.1	19.1	18.4	71.0	41.5	25.6	32.4	26.9	71.1	53.3	19.5	27.2	25.2	94.6	46.4	22.5	26.8	30.6	96.6	45.4



Table H.7S 4

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years**

female hemodialysis patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

RATES																				
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	227.8	256.2	207.7	228.2	185.7	332.9	388.7	302.8	287.2	307.5	240.3	343.0	201.7	223.7	227.6	169.1	194.9	135.7	140.5	125.5
0-14	62.5	66.6	51.5	49.1	37.7	355.4	386.1	265.1	252.3	229.0	52.2	67.4	48.8	48.3	40.5	62.5	66.6	51.5	49.1	37.7
15-19	24.4	26.1	19.0	24.1	14.0	84.5	94.6	63.7	60.6	57.6	17.1	22.2	16.2	16.0	13.6	20.0	21.7	16.9	16.1	12.5
20-24	45.2	49.8	36.8	45.6	27.6	164.6	190.5	129.1	123.2	118.1	37.7	49.8	36.7	36.3	31.1	44.0	48.2	38.1	36.1	28.3
25-29	52.8	57.1	42.6	51.8	32.5	161.5	182.1	123.5	117.6	113.7	40.7	52.5	38.8	38.6	33.3	46.9	50.7	39.9	38.0	30.0
30-34	71.6	75.9	57.3	68.2	44.3	180.9	204.4	139.4	132.3	129.1	51.6	65.8	48.6	48.4	42.2	58.6	62.9	49.3	47.1	37.7
35-39	89.7	99.6	76.1	88.8	59.9	206.9	235.8	159.8	152.6	150.3	67.0	83.3	63.0	62.2	54.7	70.4	78.5	62.0	59.6	48.0
40-44	107.1	120.8	94.1	107.3	75.0	221.9	262.7	183.4	175.0	173.7	84.5	106.0	80.5	79.5	70.4	88.2	97.8	79.3	75.6	61.4
45-49	125.2	146.8	115.8	129.9	94.3	243.4	293.7	201.5	194.5	196.3	100.1	130.4	96.7	98.4	88.4	105.4	116.7	97.2	92.6	76.1
50-54	161.7	185.0	149.1	163.4	122.6	271.6	329.5	231.8	221.9	225.9	134.3	161.4	128.9	126.1	113.1	130.3	146.0	119.9	117.5	95.6
55-59	180.0	212.5	175.4	187.8	146.6	269.1	339.0	240.1	233.9	240.6	149.4	187.0	147.4	146.3	134.2	146.2	161.4	143.8	134.5	111.9
60-64	236.4	264.7	219.4	230.2	186.2	319.3	391.3	290.8	281.9	285.0	208.5	252.4	196.2	193.8	179.4	206.5	223.2	185.1	176.8	149.8
65-69	293.0	331.5	275.9	285.2	239.5	358.3	446.3	325.8	319.9	337.4	271.2	327.8	249.4	249.9	232.2	261.2	278.5	237.1	226.4	190.7
70-74	326.5	359.5	305.2	308.2	269.4	388.2	473.3	340.2	330.3	352.1	313.5	365.2	288.3	286.6	270.4	287.4	306.8	264.6	254.9	222.2
75-79	390.7	420.9	362.1	357.6	322.1	430.9	515.0	381.6	367.0	388.9	381.8	441.5	349.2	354.8	336.2	360.5	378.4	329.0	314.2	266.6
80-84	490.9	511.1	444.9	429.5	402.9	495.7	593.9	426.1	413.3	443.2	506.9	553.0	456.7	446.1	426.3	459.8	471.6	404.9	387.0	343.0
85+	618.5	643.0	565.8	536.0	521.0	570.2	676.3	492.1	477.1	514.6	624.8	706.6	569.7	567.5	549.2	585.1	592.5	515.0	493.9	437.0
STANDARD ERRORS																				
All	2.0	3.6	3.0	15.2	9.9	4.5	11.3	8.1	28.3	30.4	3.6	11.1	5.6	41.5	24.3	2.3	4.8	4.6	20.9	11.8
0-14	20.8	25.2	19.6	23.0	16.1	122.1	149.2	102.8	117.5	100.3	18.1	26.5	19.0	24.2	18.2	20.8	25.2	19.6	23.0	16.1
15-19	7.7	10.3	7.5	11.1	6.1	31.3	39.5	26.7	28.9	26.5	6.3	9.4	6.8	8.2	6.4	7.2	8.9	7.0	7.7	5.6
20-24	5.8	7.8	5.9	12.2	6.3	26.2	32.7	22.4	33.6	28.9	6.0	8.8	6.3	11.8	8.0	6.0	7.4	6.1	10.2	6.4
25-29	4.4	5.8	4.4	11.5	5.9	18.4	22.2	15.3	26.9	23.0	4.8	6.9	4.8	11.1	7.2	4.3	5.4	4.4	9.2	5.5
30-34	4.4	5.5	4.3	13.0	6.8	15.3	18.7	13.2	26.0	22.5	4.9	7.0	4.7	12.7	8.0	4.1	5.1	4.2	10.2	6.0
35-39	4.4	5.7	4.4	14.7	8.0	14.5	17.9	12.9	26.5	23.3	5.3	7.5	5.1	15.0	9.4	4.2	5.4	4.5	11.7	6.8
40-44	4.5	6.0	4.6	15.6	8.7	13.5	17.7	12.9	26.8	24.4	5.7	8.6	5.6	17.8	10.9	4.8	6.1	5.2	13.7	7.9
45-49	4.7	6.3	4.9	16.5	9.7	13.3	18.2	12.7	26.3	25.3	6.0	9.7	6.0	20.6	12.6	5.2	6.6	5.9	15.5	8.9
50-54	5.3	7.0	5.7	18.0	11.1	12.9	18.5	13.1	26.7	26.5	7.3	11.0	7.3	24.7	14.8	6.1	7.6	7.1	18.3	10.3
55-59	5.4	7.5	6.1	18.3	11.9	11.2	18.2	12.0	25.3	26.4	7.6	12.0	7.9	27.2	16.3	6.6	8.1	8.2	20.0	11.4
60-64	6.0	8.4	6.8	20.6	13.9	11.8	19.5	13.2	28.7	29.6	9.5	14.9	9.7	34.8	20.7	8.7	10.7	10.1	25.8	14.9
65-69	6.5	9.6	7.8	24.9	17.1	11.8	20.1	13.8	31.9	34.0	10.8	17.6	11.3	43.8	25.7	9.9	12.0	12.8	33.0	18.6
70-74	6.9	9.9	8.7	28.2	19.6	12.5	20.9	14.5	34.5	35.3	11.3	17.9	12.7	50.0	28.9	10.2	12.6	14.3	37.8	22.2
75-79	9.0	12.6	11.4	36.4	25.5	16.3	25.4	18.4	42.1	41.7	13.9	21.4	16.0	62.7	37.2	13.7	16.4	19.1	49.0	28.2
80-84	14.3	18.2	17.2	50.1	36.4	25.7	36.1	25.7	53.4	51.7	20.8	28.7	24.0	81.9	49.9	20.7	23.3	26.6	64.9	40.5
85+	23.3	29.0	27.3	72.6	53.9	38.4	48.5	36.1	70.8	66.0	30.9	42.9	34.3	109.3	68.8	32.0	34.9	38.3	90.0	56.9



Table H.8

**Death Rates: by Age Group**

*all CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	225.5	260.6	166.1	175.5	132.5	324.2	354.7	267.4	238.8	253.4	251.5	327.4	160.0	182.3	112.9	151.4	177.1	100.3	105.0	76.0
0-14	40.8	41.9	45.1	28.9	32.4	157.4	176.7	162.8	106.7	147.8	33.0	40.9	40.1	31.0	26.5	40.8	41.9	45.1	28.9	32.4
15-19	24.3	29.7	21.3	19.7	15.5	69.3	82.8	71.6	49.0	68.9	21.1	26.9	26.1	20.9	16.9	25.7	27.4	28.3	19.4	20.5
20-24	35.2	40.6	29.7	27.7	21.4	76.7	89.6	77.1	54.9	73.1	26.3	31.6	30.2	25.1	19.3	32.6	32.4	32.9	22.5	22.7
25-29	50.4	58.4	43.6	41.0	31.1	103.1	115.9	101.0	73.8	94.1	37.8	44.5	42.2	36.2	26.3	44.9	44.0	45.8	31.9	30.6
30-34	69.4	78.3	59.5	56.5	42.1	114.0	123.1	111.4	82.0	98.5	45.3	51.5	48.9	43.2	29.8	53.2	52.0	50.9	37.3	34.1
35-39	89.9	101.1	78.1	74.9	54.8	165.4	171.9	135.3	108.1	123.6	62.3	70.8	65.5	60.3	39.3	65.1	66.9	67.0	50.9	44.0
40-44	104.7	117.5	92.5	89.6	64.4	188.7	194.7	156.2	126.7	137.1	77.1	85.9	79.4	75.1	46.9	71.6	79.5	75.0	62.3	51.4
45-49	123.2	137.6	110.4	107.9	76.2	198.6	212.7	169.3	137.8	142.1	89.1	101.2	90.9	89.4	52.3	83.5	88.9	87.9	73.5	57.2
50-54	173.5	191.2	156.1	154.1	106.9	246.2	280.2	211.4	189.0	184.0	139.8	150.4	133.2	130.8	73.6	121.7	126.7	121.8	107.4	79.6
55-59	217.8	236.8	196.7	196.2	133.6	300.5	337.6	245.8	225.1	205.6	156.5	172.6	158.8	166.2	87.2	154.8	163.3	147.0	132.1	90.7
60-64	277.4	296.1	250.6	252.4	168.8	350.4	389.7	307.6	294.5	253.4	242.9	265.8	216.0	236.4	118.4	222.8	220.5	208.5	186.8	123.2
65-69	328.2	344.9	297.7	302.5	198.6	405.9	440.9	350.6	341.9	269.8	292.7	304.0	263.8	285.8	136.4	234.6	242.8	230.9	218.2	136.0
70-74	403.7	418.3	366.8	376.7	243.1	497.2	527.4	420.9	413.2	327.9	364.2	387.3	308.3	378.7	172.3	329.8	339.2	283.3	282.8	166.6
75-79	457.4	472.5	422.5	437.9	277.6	581.8	623.2	478.3	490.9	371.8	431.5	450.6	398.2	486.7	207.7	388.3	396.5	355.4	348.4	202.2
80-84	576.3	592.3	539.5	564.6	351.3	790.1	819.6	618.8	635.0	443.8	556.9	577.3	554.7	663.5	267.8	477.1	498.7	454.6	478.7	258.4
85+	769.6	801.1	742.3	784.7	479.5	859.1	958.1	745.7	804.1	526.0	802.6	838.9	701.0	904.2	347.7	651.8	679.3	601.1	641.4	324.5

**STANDARD ERRORS**

All	3.1	2.0	2.1	8.0	4.3	2.2	4.4	6.0	17.0	14.5	2.2	5.4	4.5	31.1	10.9	1.3	2.7	3.3	13.2	6.0
0-14	5.1	6.5	8.0	10.8	8.8	29.3	33.6	33.2	39.8	44.4	7.2	9.1	8.7	13.9	8.9	5.1	6.5	8.0	10.8	8.8
15-19	5.1	7.7	5.7	7.8	5.1	16.9	21.2	18.8	18.7	22.8	5.3	7.3	6.9	9.5	6.0	4.9	6.3	6.8	7.5	6.2
20-24	4.8	7.0	5.3	8.7	5.3	13.6	16.8	15.2	17.3	19.7	5.0	6.5	6.0	9.9	5.7	4.5	5.5	5.9	7.4	5.6
25-29	4.4	6.4	5.1	10.6	6.1	11.2	13.6	13.8	19.1	20.5	5.3	6.7	6.0	12.7	6.6	4.2	5.0	5.7	9.0	6.2
30-34	4.2	6.1	5.1	12.3	6.8	8.5	10.4	12.3	18.3	18.6	5.3	6.6	5.8	13.9	6.7	4.1	4.9	5.3	9.4	6.0
35-39	4.2	6.2	5.3	13.8	7.5	9.4	11.5	12.9	21.1	20.6	5.9	7.8	6.5	18.0	8.0	4.2	5.3	6.0	11.7	6.9
40-44	4.1	5.9	5.1	13.8	7.5	8.9	11.0	13.0	21.2	20.3	6.0	8.2	6.8	20.8	8.7	4.1	5.5	6.0	13.1	7.3
45-49	4.2	6.0	5.3	13.8	7.6	8.1	10.8	12.3	19.9	18.8	6.2	8.8	7.2	23.3	9.0	4.4	5.6	6.8	14.3	7.6
50-54	4.9	7.0	6.4	16.3	8.9	8.2	12.1	13.1	23.4	21.4	8.1	11.4	9.4	32.3	11.7	5.7	7.0	9.3	19.8	10.2
55-59	5.5	7.7	7.2	18.2	9.6	8.7	12.9	13.7	26.0	21.8	8.5	11.6	10.8	39.9	13.2	7.0	8.6	11.1	23.9	11.3
60-64	6.3	8.5	8.6	22.8	11.2	9.3	13.3	16.7	33.1	24.6	10.7	14.6	14.5	55.6	17.2	8.9	10.3	15.9	33.7	15.7
65-69	6.7	9.0	10.3	30.2	13.3	10.0	13.9	18.7	40.7	25.3	10.5	13.5	17.2	66.7	19.6	8.4	10.1	18.3	40.5	17.4
70-74	8.2	10.7	14.0	44.7	18.3	13.1	17.5	24.9	54.8	33.1	11.6	14.9	21.0	89.4	24.8	10.8	13.0	23.6	55.2	22.9
75-79	10.7	13.9	19.4	62.9	24.7	20.3	26.3	35.7	75.7	41.7	14.2	17.8	29.5	119.8	30.7	14.2	16.7	33.1	72.8	30.1
80-84	18.3	23.4	31.3	98.3	37.7	40.3	48.6	55.7	117.5	57.7	22.7	27.4	48.8	174.6	42.6	23.5	27.3	47.6	113.1	42.4
85+	37.0	47.8	57.6	162.7	62.6	68.0	79.6	83.2	172.9	78.0	45.7	54.4	73.6	252.9	61.2	45.8	51.6	73.6	167.9	60.0





Table H.8S 1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year***all CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	185.2	214.3	119.9	126.4	96.2	243.8	270.8	176.8	160.5	180.4	213.4	266.9	114.4	150.2	79.1	119.8	139.7	72.6	80.5	33.2
0-14	42.7	39.9	58.2	62.5	21.4	210.4	213.3	212.1	243.1	167.4	47.4	51.9	56.8	75.3	30.3	42.7	39.9	58.2	62.5	21.4
15-19	6.8	8.0	6.8	8.2	4.0	25.2	26.2	22.8	26.2	21.3	7.6	8.3	8.9	11.6	4.7	6.9	6.8	9.1	9.5	3.3
20-24	18.7	17.7	15.2	17.7	8.9	57.5	50.1	44.7	50.6	41.2	19.2	17.7	18.8	23.9	9.7	18.0	15.3	19.3	19.7	6.9
25-29	28.6	32.1	25.7	30.1	15.7	59.6	60.4	52.8	55.9	47.4	20.4	21.9	22.4	28.4	11.6	18.7	18.8	22.3	23.5	8.2
30-34	47.3	49.5	45.7	47.9	24.9	68.4	70.1	62.2	65.9	54.7	26.4	28.2	29.2	35.9	14.7	25.7	25.2	32.7	30.4	10.5
35-39	61.0	66.2	55.8	59.1	31.4	109.3	114.3	92.3	91.3	74.6	41.5	43.9	41.9	51.7	21.2	37.5	30.1	50.0	43.0	15.2
40-44	51.1	58.3	41.4	49.7	28.5	83.4	93.1	58.1	68.0	58.2	33.5	34.4	34.3	39.5	16.3	29.0	28.6	30.7	33.0	11.7
45-49	72.5	82.1	58.0	66.8	38.4	105.6	121.2	71.9	90.8	76.6	50.2	51.0	55.4	55.2	22.9	41.7	39.5	47.3	46.4	16.9
50-54	116.7	135.2	89.0	90.2	54.2	155.2	192.1	100.9	108.4	94.1	85.2	87.3	83.7	82.9	34.5	72.8	73.3	68.2	71.1	26.4
55-59	154.7	174.6	122.0	139.8	73.3	203.8	233.5	154.8	164.2	124.0	99.9	122.1	79.0	113.7	45.9	101.6	101.8	112.4	100.5	33.9
60-64	206.9	222.0	185.4	186.3	117.8	246.3	268.5	197.5	211.8	192.2	163.6	185.3	157.2	167.0	72.1	164.1	168.0	183.8	157.7	52.0
65-69	254.1	269.1	213.7	208.2	136.2	313.4	342.1	237.2	239.0	198.0	206.9	225.7	172.9	186.0	84.2	173.3	172.9	178.3	160.6	59.4
70-74	316.1	330.0	257.8	262.0	176.3	395.7	414.9	319.1	281.0	257.8	265.4	287.7	193.7	257.9	105.1	242.7	249.4	223.6	209.0	82.1
75-79	396.0	411.3	369.1	302.8	206.5	528.6	568.6	456.7	334.9	276.5	323.7	328.5	303.0	318.7	139.7	343.3	362.4	293.0	268.7	101.7
80-84	536.1	547.5	541.5	426.3	281.5	694.3	758.8	573.8	456.2	392.9	502.7	509.6	518.3	464.1	186.1	459.3	463.4	452.0	404.6	161.2
85+	700.7	744.3	635.9	501.7	331.1	773.5	844.4	638.3	531.8	424.1	683.7	719.6	587.8	561.2	249.2	647.8	700.6	626.2	500.9	180.5
	STANDARD ERRORS																			
All	4.7	3.5	3.8	14.0	7.8	5.6	6.6	8.9	24.8	21.5	6.9	9.2	8.8	59.7	18.3	3.9	4.8	6.2	27.2	8.8
0-14	7.3	8.1	14.4	43.8	12.3	56.5	71.4	74.0	167.2	100.7	16.0	22.4	23.6	65.6	21.2	7.3	8.1	14.4	43.8	12.3
15-19	4.5	5.1	4.4	6.8	3.1	15.9	17.9	15.8	22.6	17.4	5.0	6.0	6.3	11.7	4.1	4.1	4.3	5.9	8.4	2.7
20-24	6.4	6.5	5.9	10.6	4.7	19.1	20.2	19.1	31.7	23.9	7.0	8.1	8.4	19.2	6.4	5.7	5.9	7.8	13.4	4.1
25-29	6.1	6.9	6.5	14.3	6.5	12.8	14.8	16.1	28.2	22.5	5.6	7.7	7.5	20.1	6.6	4.4	5.3	6.7	13.8	4.2
30-34	6.5	7.3	8.3	19.0	8.7	10.2	12.0	15.4	28.5	22.3	5.9	8.4	8.2	23.4	7.4	4.6	5.9	7.9	15.9	4.8
35-39	6.6	7.7	8.4	20.7	9.7	11.9	14.2	19.4	35.0	27.1	7.5	11.5	9.9	31.0	9.6	5.4	6.0	10.3	20.8	6.3
40-44	5.3	6.3	6.3	15.2	7.9	8.8	11.3	11.8	23.0	19.1	5.7	8.3	7.9	22.1	6.9	4.1	5.4	6.5	14.9	4.6
45-49	5.8	6.9	7.5	17.2	9.3	8.9	12.0	12.2	26.2	21.9	7.2	10.7	11.0	28.6	8.8	4.9	6.2	9.2	19.6	6.1
50-54	6.9	8.5	9.6	19.5	11.3	9.5	13.9	13.6	25.7	23.0	10.1	15.3	14.8	40.8	12.1	7.2	9.2	12.7	28.6	9.1
55-59	7.9	9.4	11.5	28.1	13.8	10.5	14.5	17.3	36.9	27.2	10.4	17.5	13.5	53.3	15.0	9.1	11.6	19.7	39.9	11.2
60-64	9.1	10.2	16.0	35.6	19.4	11.4	14.8	20.9	45.6	35.4	13.6	19.8	24.3	75.3	21.6	12.6	15.4	31.2	62.2	17.1
65-69	9.7	10.5	18.2	42.2	21.5	12.8	16.4	23.8	55.7	35.4	13.7	17.6	26.0	82.7	25.2	11.8	13.9	31.0	63.5	19.1
70-74	11.7	12.4	23.0	58.6	29.0	16.9	20.8	33.6	71.9	49.9	15.3	19.1	29.2	112.3	30.4	15.0	17.6	39.7	88.3	27.0
75-79	16.3	16.8	39.8	81.4	37.1	27.4	34.0	61.6	105.3	59.1	19.0	22.2	48.4	146.2	40.4	22.1	26.0	57.6	116.7	35.7
80-84	27.8	28.2	70.5	142.3	57.8	50.9	64.8	98.7	169.3	99.1	32.8	38.0	90.6	227.1	56.3	35.6	41.4	96.4	200.9	59.3
85+	52.9	55.5	105.6	186.8	80.7	83.8	111.4	139.0	225.1	120.8	59.3	71.5	118.5	284.1	84.3	68.9	88.0	151.5	269.1	71.9

Table H.8S.2

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years**

*all CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	228.3	273.3	155.3	156.5	130.3	330.9	381.5	245.7	186.4	205.4	253.4	330.3	148.7	192.1	134.1	136.7	166.5	80.7	100.2	67.2
0-14	12.4	13.6	13.7	4.8	7.2	77.9	91.7	71.8	17.1	40.1	12.3	14.5	13.8	4.9	7.0	12.4	13.6	13.7	4.8	7.2
15-19	3.8	5.3	3.0	1.5	1.9	18.9	23.2	17.1	4.2	9.9	3.9	4.8	4.5	1.8	2.3	3.9	4.4	4.4	1.7	2.4
20-24	10.7	15.1	9.0	4.9	5.6	43.9	55.4	40.5	11.2	23.9	10.2	12.7	11.9	5.5	6.3	9.9	11.6	11.5	5.2	6.3
25-29	40.2	53.4	32.8	19.3	20.6	99.2	115.8	83.8	26.5	50.6	25.7	29.4	27.2	14.3	14.7	24.6	26.4	26.0	13.4	14.5
30-34	56.3	70.9	45.1	28.7	28.6	110.8	124.8	89.4	32.2	55.1	31.9	35.1	32.2	19.3	17.8	30.1	31.2	30.5	17.8	17.3
35-39	71.0	87.4	57.5	39.6	36.8	126.4	140.9	100.1	41.1	63.0	40.5	44.0	40.0	27.3	22.6	37.7	38.6	37.3	24.9	21.7
40-44	110.4	129.9	88.4	66.0	57.2	193.9	219.7	154.7	72.4	99.3	69.2	76.0	68.6	53.4	39.5	63.3	65.9	63.2	48.0	37.4
45-49	116.3	138.5	97.4	78.7	63.7	183.4	214.7	149.8	79.9	98.2	72.9	82.4	73.6	65.4	43.3	65.6	70.6	67.1	58.1	40.5
50-54	168.3	196.2	142.7	124.9	94.3	242.5	290.9	201.1	122.3	134.6	107.6	123.8	109.6	110.9	65.7	95.2	104.7	98.6	97.3	60.8
55-59	211.1	238.8	179.6	170.1	120.0	294.8	342.1	234.4	162.5	160.1	145.2	161.4	141.6	163.4	86.7	126.4	134.9	125.9	141.7	79.3
60-64	279.8	304.1	236.6	242.5	159.7	376.8	427.3	290.2	229.3	202.3	207.5	223.6	194.4	255.7	121.5	177.6	184.6	170.8	219.0	109.8
65-69	321.5	344.5	277.1	307.5	189.1	409.2	462.4	311.2	280.3	221.5	251.2	268.4	231.3	346.7	147.5	211.5	218.9	200.7	293.3	131.6
70-74	397.9	416.3	346.2	416.0	238.7	515.5	571.9	381.5	391.6	277.1	351.1	368.0	314.3	537.1	204.7	291.7	296.6	269.5	449.0	180.4
75-79	435.4	450.5	387.5	504.0	270.0	550.8	608.2	402.0	470.4	298.1	418.2	434.0	367.3	715.5	244.2	340.9	345.5	311.1	590.9	212.6
80-84	593.3	609.8	542.3	763.7	382.0	714.1	786.7	515.4	687.4	390.0	602.1	622.5	522.1	1,159.3	354.3	483.6	489.6	436.9	945.8	304.8
85+	734.7	769.7	707.9	1,079.1	503.9	814.0	928.8	603.0	916.9	465.8	766.5	815.0	677.5	1,714.7	469.2	605.4	633.2	560.0	1,382.0	398.8

**STANDARD ERRORS**

All	6.8	4.8	4.6	16.3	9.8	8.3	9.6	11.4	29.9	25.0	8.9	11.8	9.8	65.0	25.2	4.9	6.0	6.8	27.9	13.0
0-14	6.0	10.2	10.7	6.4	7.6	39.7	72.8	59.0	22.6	43.4	6.6	12.5	11.8	7.3	8.3	6.0	10.2	10.7	6.4	7.6
15-19	4.3	11.1	6.4	3.6	4.2	19.2	36.6	27.1	7.6	16.9	4.0	7.7	7.2	3.6	4.1	3.9	6.9	6.9	3.3	4.0
20-24	6.4	16.6	10.0	7.3	7.2	23.4	46.2	34.0	13.3	24.5	5.6	11.1	10.1	7.4	6.9	5.3	9.5	9.5	6.4	6.4
25-29	9.4	23.4	15.1	19.3	15.6	22.6	41.2	32.2	22.1	32.8	6.7	12.8	11.4	15.1	11.2	5.8	10.0	10.3	12.3	9.7
30-34	9.2	21.7	15.2	24.2	18.0	16.9	29.7	24.8	22.8	30.0	6.2	11.7	10.4	18.3	11.9	5.2	8.7	9.3	14.5	10.0
35-39	9.4	22.1	15.8	28.3	19.9	16.9	30.1	24.3	25.2	30.1	6.8	12.8	11.1	23.6	13.5	5.6	9.4	9.9	18.2	11.3
40-44	9.9	22.7	17.6	38.7	25.6	17.2	31.1	27.0	37.0	39.8	8.6	17.0	14.6	41.7	20.8	6.6	11.6	13.0	31.1	17.0
45-49	9.3	21.2	17.0	37.8	24.2	14.5	27.1	22.9	34.4	34.1	7.9	15.9	13.8	46.7	20.5	6.1	10.9	12.9	34.0	16.8
50-54	10.9	24.0	20.2	48.0	29.6	14.9	28.8	24.5	43.8	39.4	9.4	19.4	17.3	73.5	27.7	7.3	13.2	17.1	52.1	23.0
55-59	12.1	26.1	22.3	54.6	31.4	15.9	29.9	25.5	50.3	40.5	10.7	21.1	20.2	101.9	33.2	8.4	14.7	20.8	71.3	28.1
60-64	13.9	28.7	27.1	71.7	36.3	17.7	32.4	29.5	65.8	45.9	12.9	23.9	25.9	153.2	43.0	10.3	17.3	28.2	107.4	37.9
65-69	14.7	29.8	31.8	98.3	41.0	17.6	32.2	31.7	83.2	48.5	13.4	23.8	30.2	205.1	49.6	11.3	18.6	34.1	145.6	45.7
70-74	17.5	34.3	43.6	160.4	56.7	22.5	39.9	43.2	132.4	64.3	17.5	29.6	43.2	323.5	68.4	15.2	24.4	48.9	234.9	65.7
75-79	22.0	42.8	58.8	240.9	75.8	30.1	52.6	56.0	189.8	78.8	22.6	37.5	55.8	451.0	84.2	20.3	32.3	63.1	334.6	83.4
80-84	40.1	76.6	104.5	450.1	131.7	53.9	92.5	92.3	334.4	122.9	40.8	66.4	93.1	782.6	131.8	37.1	58.4	101.9	595.7	131.9
85+	81.7	158.5	190.7	772.2	213.2	92.9	166.2	145.7	534.1	175.0	78.8	130.9	152.6	1,254.2	193.9	71.0	115.6	162.8	977.4	194.4



Table H.8S 3

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years***all CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	279.3	329.7	200.8	220.5	158.5	446.9	486.1	374.2	330.2	390.0	286.3	396.7	162.1	233.7	104.1	181.3	219.7	110.9	85.5	83.1
0-14	57.3	57.7	62.8	24.7	46.0	389.1	404.6	400.0	197.5	418.0	47.2	64.4	58.5	44.9	38.3	57.3	57.7	62.8	24.7	46.0
15-19	48.6	60.5	42.4	33.7	30.3	269.8	296.7	281.2	152.6	304.9	43.5	61.4	54.3	44.2	35.0	51.3	54.4	57.7	24.0	41.6
20-24	48.5	58.3	41.4	33.9	29.6	185.3	197.1	182.1	104.8	194.1	34.3	45.4	39.2	33.8	24.8	39.8	39.8	41.2	18.2	29.2
25-29	66.6	79.2	56.9	48.2	40.6	214.6	232.1	209.1	127.4	219.1	45.6	59.6	50.2	45.8	31.2	52.6	51.7	52.1	24.4	36.3
30-34	81.3	95.2	69.3	60.6	49.5	193.6	202.9	178.2	115.1	183.6	45.9	58.1	47.7	46.1	29.2	48.3	49.8	48.9	24.2	33.5
35-39	108.1	123.7	91.2	82.4	65.0	227.7	237.7	203.6	139.3	206.2	61.8	75.9	60.7	62.2	36.5	63.5	64.3	61.6	32.3	41.5
40-44	135.1	156.9	117.1	109.4	83.5	285.7	303.7	253.5	183.9	252.5	88.8	108.0	84.2	91.5	49.8	84.5	90.5	84.6	47.0	56.0
45-49	156.3	178.5	135.0	130.2	96.1	304.1	314.5	256.0	196.7	250.6	95.0	124.7	94.8	109.1	55.1	92.7	103.3	94.1	55.5	61.3
50-54	222.5	248.3	190.1	189.5	135.3	381.6	407.0	323.0	263.0	310.9	148.2	179.8	133.3	162.6	76.2	132.0	147.3	130.9	81.7	83.7
55-59	279.6	310.3	240.6	247.8	171.1	438.9	480.8	372.1	321.0	352.0	191.5	236.7	171.1	221.2	96.2	175.4	191.7	166.1	109.9	104.5
60-64	341.7	370.8	291.2	309.8	206.9	512.7	579.5	437.2	399.7	406.7	284.5	318.0	224.1	306.9	123.9	252.4	254.7	215.1	150.8	133.1
65-69	403.4	432.0	343.7	377.7	244.0	554.2	611.5	449.8	435.8	411.4	350.9	374.0	257.0	372.9	139.7	268.1	296.2	243.9	181.2	148.3
70-74	495.3	522.3	420.9	477.8	298.5	655.7	735.3	527.3	541.3	474.1	454.2	501.2	335.8	516.3	179.4	394.7	392.4	315.2	248.0	188.4
75-79	535.4	558.7	455.9	534.7	323.1	695.0	772.4	540.1	587.5	477.4	549.9	586.8	383.3	624.5	201.3	430.8	454.3	355.8	296.7	209.1
80-84	620.1	645.7	533.7	646.6	377.9	801.5	816.3	556.5	641.4	483.6	617.6	691.2	440.2	760.0	227.3	516.2	529.2	404.0	357.0	233.4
85+	950.2	994.0	832.2	1,041.5	588.8	1,103.5	1,174.3	780.6	953.2	666.8	1,055.5	1,108.1	688.1	1,258.8	349.3	770.8	838.9	624.4	584.6	354.7
STANDARD ERRORS																				
All	6.5	7.7	7.3	30.1	15.2	5.3	13.9	17.8	49.2	45.6	4.4	14.4	10.1	78.9	25.6	2.7	7.5	8.3	28.1	14.2
0-14	16.8	24.4	28.3	21.7	28.6	132.2	185.4	194.2	163.6	280.5	17.2	32.1	29.2	42.9	28.5	16.8	24.4	28.3	21.7	28.6
15-19	16.0	31.3	22.5	27.7	19.9	97.6	145.3	141.8	119.5	199.2	16.2	31.7	27.7	40.5	25.1	16.4	25.2	27.3	20.4	25.2
20-24	11.9	22.5	16.4	23.3	15.8	52.7	76.8	73.1	70.2	108.3	10.2	19.0	16.0	27.6	15.7	10.4	15.0	15.8	13.7	15.3
25-29	9.7	18.6	13.9	26.6	16.5	35.5	52.2	51.1	68.0	93.7	9.0	16.2	13.1	32.3	16.3	8.3	11.8	12.4	15.8	14.7
30-34	8.9	16.9	13.2	28.6	16.8	23.8	34.5	34.6	52.8	67.2	7.7	13.0	10.3	29.8	13.8	6.6	9.3	9.8	14.3	11.9
35-39	8.9	16.8	13.5	33.1	18.4	21.5	31.1	31.3	54.7	64.4	8.4	13.8	10.5	36.8	15.6	7.1	9.6	10.1	17.5	12.9
40-44	8.7	16.7	13.6	36.3	19.8	21.9	31.5	32.0	60.3	67.6	9.8	16.1	12.0	49.5	19.5	7.7	10.8	11.5	23.4	15.4
45-49	8.9	16.6	13.6	36.0	19.4	20.1	28.6	27.8	54.6	58.2	9.6	16.1	11.9	55.0	20.2	7.9	10.8	11.9	25.9	15.5
50-54	10.6	19.2	16.2	43.3	23.1	21.2	31.0	29.8	61.5	61.8	12.7	19.2	14.4	76.8	26.3	10.1	13.0	15.4	36.3	19.8
55-59	11.8	21.3	18.2	49.0	25.2	21.8	32.7	30.4	66.3	61.3	14.7	21.2	16.9	100.2	31.7	12.5	14.8	18.9	47.5	24.0
60-64	12.7	22.2	20.5	58.2	28.4	23.1	34.6	33.6	79.4	65.0	19.1	24.0	21.1	135.7	40.0	15.6	17.1	24.8	64.8	30.9
65-69	13.7	23.6	24.6	77.5	34.4	23.9	34.4	35.3	93.5	64.8	20.1	24.6	24.7	164.7	45.1	15.1	18.2	29.6	79.6	36.0
70-74	17.1	29.0	34.1	115.8	48.2	31.5	44.4	46.9	134.5	81.6	23.5	31.4	34.9	233.7	59.2	21.3	24.7	41.8	113.8	49.5
75-79	22.3	37.0	45.7	155.9	62.6	46.0	59.5	59.9	172.9	95.4	30.4	41.1	45.5	294.9	69.4	26.3	33.0	53.4	144.3	60.6
80-84	37.3	61.1	70.4	232.6	89.1	76.6	87.9	80.0	229.2	115.5	44.6	63.9	63.3	385.2	83.6	43.4	53.1	71.8	188.9	75.9
85+	85.9	140.6	150.8	452.0	170.9	146.2	176.6	148.9	406.6	193.7	109.1	150.4	127.2	695.1	140.6	84.5	116.6	135.0	338.6	131.1

Table H.8S 4

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years**

*all CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	217.0	234.6	192.7	238.2	157.5	426.7	415.2	441.9	573.6	433.2	254.9	334.1	212.2	100.5	164.6	167.8	185.7	129.1	156.2	125.5
0-14	71.9	76.5	58.8	79.7	58.7	296.9	308.8	246.3	441.6	244.1	58.5	72.1	54.0	47.3	42.2	71.9	76.5	58.8	79.7	58.7
15-19	61.5	68.1	46.2	91.9	35.5	201.7	210.8	173.3	321.0	168.4	56.3	69.6	53.1	44.6	40.8	66.8	71.9	56.3	73.2	55.2
20-24	60.0	67.0	46.4	82.5	35.0	148.9	155.0	129.8	230.6	124.0	44.8	54.4	42.3	34.1	31.9	51.1	54.8	43.7	54.5	42.1
25-29	68.7	74.4	59.6	95.1	43.2	181.3	190.6	162.6	277.0	152.6	58.9	71.1	56.3	43.5	41.7	64.7	69.8	56.7	67.8	53.7
30-34	94.0	99.2	78.6	123.5	63.6	198.1	203.4	176.8	288.8	163.0	70.2	80.7	65.0	48.2	47.4	76.6	77.1	63.8	73.2	59.4
35-39	116.5	132.7	91.9	151.2	84.4	259.3	265.0	234.6	367.5	212.5	96.1	111.8	91.8	65.2	65.7	97.9	104.1	87.7	96.5	80.3
40-44	133.1	149.5	116.6	163.3	83.2	291.1	294.2	265.2	398.6	236.2	113.9	131.9	110.3	75.2	77.7	111.9	119.7	102.8	108.4	92.4
45-49	164.3	174.0	158.1	184.3	105.8	328.0	336.3	308.9	445.2	270.3	140.9	160.4	136.6	89.3	94.5	134.4	141.7	124.0	125.4	109.6
50-54	220.8	229.0	213.0	272.7	175.9	466.0	469.6	439.4	607.4	377.8	211.1	238.1	206.6	129.6	140.4	194.7	205.0	182.7	177.2	158.7
55-59	268.7	286.1	248.7	309.6	186.4	485.8	495.9	472.6	626.5	399.3	240.8	267.3	236.2	142.1	157.8	218.7	224.2	203.6	189.4	173.7
60-64	334.8	357.5	299.6	365.9	249.3	611.1	619.6	601.5	764.8	499.5	329.0	355.1	319.6	184.4	209.8	285.1	290.3	268.4	239.5	225.1
65-69	413.6	395.1	462.1	437.3	326.4	715.8	713.8	705.8	860.7	576.0	411.9	434.9	398.8	220.7	257.3	342.1	346.4	326.3	279.2	268.9
70-74	528.9	506.0	618.2	538.6	446.4	868.1	872.7	879.1	1,028.2	705.0	540.5	565.3	528.0	280.3	334.8	432.3	438.7	420.9	345.5	340.9
75-79	541.7	559.6	461.9	488.0	447.1	884.3	887.4	910.6	1,021.5	717.6	588.7	611.1	581.5	296.0	362.3	463.1	462.1	451.7	355.5	359.4
80-84	549.7	542.6	611.3	502.1	459.0	915.8	911.2	952.4	1,024.7	737.6	647.8	667.1	646.7	315.7	395.9	481.5	491.5	489.4	369.5	382.7
85+	701.8	685.2	767.0	625.3	611.9	1,002.8	994.5	1,058.9	1,092.6	805.9	771.8	774.2	764.4	357.9	459.9	554.9	555.7	563.6	408.1	433.1

**STANDARD ERRORS**

All	7.6	7.4	7.9	39.8	18.0	12.3	22.6	34.2	129.9	111.1	7.1	19.7	12.8	76.5	37.9	3.7	7.2	8.7	38.6	19.7
0-14	27.7	32.5	26.6	61.6	36.5	124.9	142.1	120.6	347.3	176.4	25.8	36.1	26.4	54.4	31.3	27.7	32.5	26.6	61.6	36.5
15-19	18.5	20.8	16.7	49.8	17.2	75.3	85.9	75.2	223.9	113.1	21.4	30.2	22.4	48.6	26.8	22.0	26.2	21.8	50.1	29.6
20-24	11.5	13.2	12.0	37.0	13.7	42.4	47.8	43.6	136.1	72.2	13.1	18.4	13.6	35.0	18.0	12.2	14.5	12.6	31.8	18.5
25-29	10.2	11.7	12.3	37.1	14.8	37.1	42.4	41.0	142.1	77.7	12.9	18.5	13.6	42.8	20.5	10.9	13.2	11.9	34.8	19.6
30-34	9.6	11.6	11.9	41.2	18.3	28.3	32.4	33.5	126.6	73.3	11.7	16.7	12.1	45.9	20.5	9.6	11.1	10.4	32.8	18.2
35-39	9.2	11.9	11.4	43.9	20.3	28.7	32.4	36.7	140.7	85.9	12.7	18.9	13.5	60.6	25.2	9.5	11.5	11.3	38.2	20.8
40-44	9.2	12.3	11.9	42.4	17.6	28.6	31.9	36.9	134.8	87.8	12.7	19.0	13.8	68.8	26.9	9.8	11.9	11.8	38.5	21.0
45-49	10.5	13.8	14.3	42.1	20.4	29.4	33.2	39.0	134.6	93.3	13.8	20.4	15.0	80.8	29.9	10.9	12.9	13.2	40.5	22.7
50-54	13.6	17.5	18.6	62.2	31.8	41.4	45.4	52.0	173.0	123.8	18.5	27.0	20.6	116.8	41.3	14.8	17.4	19.1	54.2	31.5
55-59	16.1	20.6	22.3	68.9	33.2	40.4	46.7	52.7	172.7	125.7	20.7	28.0	23.1	128.5	44.9	16.8	18.8	22.0	57.2	34.9
60-64	20.4	26.0	27.4	84.2	45.6	53.0	61.8	68.5	219.2	154.7	27.7	35.7	31.9	168.1	58.9	22.4	24.7	30.7	74.8	49.5
65-69	24.1	27.1	42.3	105.3	61.3	62.2	72.3	83.5	265.4	180.9	33.7	41.5	40.9	203.6	73.9	25.9	28.4	40.2	93.4	65.3
70-74	31.5	34.1	63.7	139.8	88.4	84.7	97.1	116.9	359.4	232.6	45.6	54.7	59.9	263.1	101.1	33.8	37.3	58.0	127.1	94.1
75-79	39.0	42.6	69.4	155.8	104.7	105.0	116.3	146.7	405.2	256.5	56.8	66.1	77.6	285.0	118.7	42.9	46.3	74.0	147.6	113.9
80-84	59.5	62.3	110.6	187.5	128.9	146.6	159.5	195.2	471.2	293.3	87.7	100.9	112.0	313.6	145.5	64.2	71.1	100.5	175.1	140.6
85+	115.1	116.5	179.0	278.1	221.3	222.7	242.0	291.1	591.0	374.5	163.0	179.8	193.7	372.0	203.8	112.7	123.3	155.1	226.7	195.1



Table H.9

**Death Rates: by Age Group**

male CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	234.1	268.9	159.6	171.4	153.5	316.4	343.9	241.4	220.5	268.9	265.8	339.0	158.9	184.7	129.7	168.1	193.5	105.2	112.9	92.7
0-14	41.2	46.0	45.3	29.1	37.6	162.8	191.9	164.0	107.4	171.8	35.7	49.2	45.4	35.0	34.2	41.2	46.0	45.3	29.1	37.6
15-19	25.6	31.3	22.2	19.8	18.3	72.1	89.4	72.2	49.2	79.8	22.9	32.2	29.5	23.5	21.8	25.8	29.8	29.2	19.4	23.7
20-24	37.2	42.8	31.0	27.8	25.3	81.9	98.1	78.7	55.4	85.1	28.1	37.8	34.4	28.3	24.8	33.3	34.7	33.8	23.2	26.8
25-29	52.8	61.2	45.0	40.8	36.3	105.8	124.0	98.7	71.7	104.4	40.4	51.0	46.1	39.2	32.5	46.0	46.5	44.9	31.8	34.9
30-34	71.4	81.3	60.8	55.6	48.6	114.8	131.7	104.1	78.1	107.7	45.8	57.9	52.0	45.6	35.9	50.9	52.3	50.2	36.7	38.2
35-39	92.1	104.3	79.3	73.2	62.7	158.2	169.8	133.4	103.3	134.9	63.1	79.8	71.2	64.4	48.0	65.6	71.6	68.1	51.5	50.7
40-44	108.2	120.4	93.2	86.8	72.9	182.8	189.5	147.8	118.2	146.3	83.3	95.2	84.3	78.8	55.7	78.2	84.7	80.0	62.4	58.2
45-49	126.4	140.2	110.3	103.8	85.5	195.1	204.9	158.7	131.1	153.5	92.0	110.0	96.8	93.4	62.5	94.1	97.0	91.1	73.4	64.8
50-54	177.0	193.8	155.0	147.2	118.9	250.3	270.0	207.7	177.1	196.6	144.2	154.9	135.4	134.9	85.5	128.8	135.5	126.3	105.1	87.9
55-59	220.8	238.5	194.1	186.0	147.4	303.9	317.1	242.3	213.4	224.2	161.2	194.5	168.8	173.7	104.2	156.3	168.7	156.2	134.2	106.3
60-64	283.1	296.6	245.5	237.5	184.5	350.4	389.7	295.6	268.9	267.7	271.7	255.5	220.1	234.0	132.9	235.6	219.8	202.0	179.2	134.5
65-69	328.6	343.6	289.2	282.4	215.2	400.9	428.6	322.9	303.3	285.9	292.5	300.3	256.9	282.1	151.8	247.8	256.2	233.9	214.3	152.3
70-74	402.3	414.4	354.8	349.6	261.3	476.4	520.5	389.3	377.6	337.2	395.8	389.7	331.2	375.4	191.3	329.5	329.7	298.9	282.8	190.4
75-79	451.8	466.0	405.7	403.5	295.7	541.0	586.8	435.9	436.6	369.3	450.2	469.6	396.3	463.9	223.9	382.5	394.1	354.8	346.6	221.0
80-84	561.5	581.4	514.8	516.9	371.5	747.7	714.0	526.7	544.8	436.4	543.9	610.8	511.8	618.8	282.9	475.5	508.2	454.4	458.5	276.9
85+	743.1	779.3	701.7	711.2	501.2	795.5	907.9	665.1	710.5	539.1	740.7	830.1	690.8	862.5	373.5	656.7	685.1	608.2	633.7	362.5
	STANDARD ERRORS																			
All	1.6	2.7	3.1	13.3	7.5	4.5	6.2	8.5	25.9	21.6	4.7	7.7	6.0	38.6	15.6	3.0	4.2	4.7	18.6	9.5
0-14	5.8	13.9	14.9	21.3	19.5	30.2	63.6	58.7	77.3	96.3	7.6	18.8	17.1	29.9	21.4	5.8	13.9	14.9	21.3	19.5
15-19	5.7	7.8	5.7	7.7	5.9	17.4	41.5	34.6	36.3	49.7	5.7	15.8	14.3	20.4	14.5	5.3	13.3	13.3	14.7	13.9
20-24	5.5	7.2	5.4	8.8	6.3	15.0	33.2	27.8	34.2	43.3	5.4	13.8	12.3	21.6	13.9	5.2	11.3	11.4	15.0	12.8
25-29	5.1	6.6	5.2	10.8	7.2	13.0	26.0	23.0	36.8	42.6	5.9	12.8	11.2	26.5	15.3	5.2	9.8	10.1	17.8	13.4
30-34	5.0	6.4	5.3	12.8	8.2	10.4	20.1	18.7	35.0	37.9	5.7	11.6	10.0	28.4	15.1	5.0	8.6	9.1	18.5	12.9
35-39	5.1	6.4	5.5	14.8	9.2	11.3	20.3	19.6	40.9	41.6	6.6	13.1	11.2	37.4	18.2	5.5	9.4	10.2	23.7	15.2
40-44	4.9	6.1	5.4	15.3	9.3	11.0	18.8	18.6	41.3	40.0	7.2	13.2	11.3	42.7	19.3	5.6	9.4	10.5	26.4	15.9
45-49	5.1	6.2	5.7	16.2	9.6	10.3	17.8	17.7	40.9	37.4	7.5	13.3	11.6	47.9	20.0	6.2	9.5	11.2	29.0	16.4
50-54	6.1	7.2	7.0	20.6	11.7	11.1	19.6	20.3	50.1	42.6	10.2	15.8	14.4	66.0	25.4	8.0	11.3	14.5	39.4	21.0
55-59	6.9	7.8	8.0	24.4	13.1	11.7	20.5	21.9	57.0	44.3	10.8	16.9	16.7	82.3	29.2	9.5	12.6	17.5	49.1	24.7
60-64	8.0	8.7	9.8	30.7	15.4	12.8	22.7	26.0	70.9	49.8	15.0	19.1	21.1	108.9	35.9	12.5	14.8	22.9	65.5	31.4
65-69	8.4	9.1	11.8	38.4	17.9	13.4	23.5	28.8	83.3	52.3	13.4	19.5	24.8	131.3	40.3	11.5	16.0	27.6	80.5	36.6
70-74	10.1	10.9	15.8	52.2	23.1	17.2	29.7	37.8	112.5	64.3	15.3	24.0	34.1	177.9	51.4	13.8	20.6	38.0	111.9	48.6
75-79	12.9	14.1	20.9	67.8	29.1	25.7	40.1	49.0	144.8	76.6	18.1	31.0	45.2	227.4	62.3	17.3	27.3	50.2	146.7	61.0
80-84	21.1	23.2	32.2	99.7	42.2	51.0	63.9	71.5	205.1	102.5	27.9	49.6	67.5	319.1	83.7	27.6	44.2	73.5	211.6	84.0
85+	41.3	46.4	56.8	157.4	67.0	78.9	113.6	114.0	305.0	146.1	51.7	94.6	111.6	473.1	120.5	56.5	83.9	118.5	321.7	122.8

Table H.9S 1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year**

male CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	185.4	212.9	104.3	93.7	111.4	228.3	252.1	144.9	114.8	193.1	222.7	270.9	107.1	120.8	93.2	136.2	155.8	76.1	75.0	43.2
0-14	48.0	50.4	53.8	54.9	25.1	222.9	251.6	191.8	211.3	201.6	55.4	78.8	65.7	85.2	46.7	48.0	50.4	53.8	54.9	25.1
15-19	7.3	8.4	6.4	7.1	4.6	26.4	31.1	21.2	23.3	26.5	9.0	12.8	10.6	13.3	7.4	7.9	8.4	8.9	8.8	4.1
20-24	20.0	18.3	14.1	15.2	10.2	60.9	59.3	40.2	42.8	49.2	22.3	25.6	21.1	25.7	14.3	20.0	17.3	18.3	17.6	8.2
25-29	30.1	31.5	24.5	25.6	17.7	59.4	65.5	44.2	45.7	52.9	23.3	29.7	24.3	28.8	16.2	21.0	20.7	21.7	20.2	9.5
30-34	49.1	50.3	41.0	39.9	28.6	69.2	77.4	52.0	52.0	60.7	29.3	36.8	30.0	34.4	19.5	27.4	26.4	27.6	24.9	11.8
35-39	63.0	68.6	56.4	49.1	36.3	109.9	113.1	75.6	73.4	86.4	46.7	56.5	45.8	51.0	29.1	42.3	41.8	43.4	38.0	18.1
40-44	52.4	61.3	40.7	39.7	30.8	81.8	86.3	57.3	54.0	64.1	38.0	45.2	36.5	39.3	22.7	33.5	34.5	35.6	30.2	14.5
45-49	72.7	76.8	56.6	53.9	42.4	96.4	112.4	74.3	67.8	81.2	53.5	61.8	49.6	51.9	30.2	47.1	48.5	49.9	41.1	19.9
50-54	117.5	133.0	91.4	78.5	63.5	155.7	171.8	112.9	100.0	120.8	89.7	99.2	79.2	80.3	47.1	76.9	80.2	82.0	65.5	32.0
55-59	154.4	176.3	113.1	105.6	85.7	200.2	216.9	141.9	121.8	148.3	112.9	131.5	104.5	102.7	60.7	106.6	109.5	111.4	86.2	42.4
60-64	205.0	222.2	192.0	141.4	119.3	249.1	274.0	178.2	148.3	182.2	178.6	174.3	137.8	131.3	78.3	160.5	149.4	151.2	113.5	56.4
65-69	244.7	252.3	185.0	154.3	149.0	288.9	320.8	207.6	167.5	207.5	204.4	214.3	168.5	155.7	93.7	181.8	189.2	190.4	138.6	69.4
70-74	305.8	321.2	235.6	183.4	181.4	372.8	395.2	254.3	199.0	248.6	273.6	277.1	216.7	194.2	117.8	248.1	251.9	252.2	178.0	89.9
75-79	379.4	401.3	283.8	221.9	220.5	471.7	500.0	320.0	242.9	306.0	339.4	368.0	286.3	248.8	152.2	340.3	344.6	343.2	234.8	119.6
80-84	500.9	491.3	423.1	300.5	307.5	601.0	657.6	418.7	308.1	391.5	478.7	508.2	393.2	331.3	204.4	466.0	490.0	485.3	322.0	165.4
85+	656.1	720.4	546.3	362.9	352.8	700.4	828.2	524.5	374.2	479.5	658.5	671.8	517.0	422.4	262.8	668.2	667.1	657.2	422.8	219.1

**STANDARD ERRORS**

All	1.4	4.5	5.3	20.0	12.5	5.2	7.7	10.4	29.5	28.5	6.9	11.2	9.7	54.4	23.1	4.3	6.6	7.5	29.5	12.0
0-14	9.2	13.7	17.3	52.0	18.6	57.8	84.2	72.3	190.4	148.9	17.8	33.6	28.4	96.6	39.7	9.2	13.7	17.3	52.0	18.6
15-19	4.6	5.4	4.1	5.9	3.5	16.8	27.4	19.0	26.8	28.2	5.9	11.6	9.6	17.9	8.4	4.8	7.3	7.8	10.6	4.4
20-24	6.5	6.9	5.5	9.3	5.4	20.9	30.1	21.2	35.9	36.3	8.2	13.9	11.5	27.6	11.9	6.6	8.8	9.5	16.3	6.3
25-29	6.3	7.3	6.3	12.7	7.4	13.6	20.4	15.2	31.0	30.9	6.3	11.0	9.1	27.2	11.3	5.1	6.8	7.6	16.1	6.1
30-34	6.7	8.2	8.0	17.0	10.1	11.3	16.7	13.2	30.4	29.9	6.4	10.4	8.7	29.9	12.0	5.2	6.5	7.5	18.0	6.7
35-39	6.8	8.8	9.1	18.8	11.4	13.4	17.9	15.2	37.8	36.8	8.3	12.8	10.8	41.2	16.1	6.4	7.9	9.6	25.3	9.4
40-44	5.4	7.4	6.7	13.9	8.8	9.7	13.2	10.8	25.0	24.3	6.4	9.4	8.0	30.0	11.5	4.9	6.1	7.5	19.0	7.0
45-49	5.9	7.8	8.1	16.9	10.6	9.6	13.6	11.7	28.1	26.5	7.7	10.6	9.3	37.3	13.9	5.9	7.0	9.2	24.4	8.9
50-54	7.3	10.3	11.6	22.6	13.9	11.8	15.6	14.7	37.8	33.6	11.0	13.6	12.8	55.0	19.8	8.3	9.2	13.4	37.4	13.4
55-59	8.3	11.7	13.2	29.5	17.0	13.0	16.7	16.7	44.4	36.4	12.3	14.9	15.3	67.9	23.6	10.6	10.7	17.3	48.4	17.1
60-64	9.7	13.0	21.0	39.7	22.0	15.0	18.4	20.1	54.6	40.6	16.6	16.3	19.2	85.1	28.7	14.2	12.7	23.2	64.1	22.2
65-69	10.1	12.5	20.9	45.5	26.0	15.7	19.3	23.3	65.0	44.5	15.8	16.6	23.2	100.4	33.1	14.2	14.2	29.6	80.2	27.4
70-74	12.2	14.8	27.5	58.6	32.3	20.8	24.3	30.6	84.3	55.5	18.4	19.8	30.9	126.7	41.3	17.7	18.4	41.4	107.7	36.5
75-79	16.6	19.8	39.5	77.4	41.2	31.9	35.8	43.7	114.4	75.1	22.8	27.1	44.0	166.8	54.5	25.0	27.1	61.4	150.3	50.8
80-84	28.1	32.6	66.4	119.0	65.2	56.4	60.8	67.3	163.2	110.6	38.3	44.9	67.1	231.6	76.9	40.2	46.4	96.5	220.9	74.7
85+	51.5	66.1	99.4	158.7	84.5	86.2	105.0	102.3	223.0	157.2	64.9	78.6	100.8	310.4	106.4	78.3	86.0	150.9	312.8	106.4



Table H.9S 2

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years**

male CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	232.8	277.9	140.1	134.7	131.7	331.4	379.7	221.9	146.5	209.0	259.9	330.9	137.7	151.5	137.6	150.1	180.1	81.6	87.6	75.6
0-14	14.0	15.9	15.6	4.7	8.9	85.7	103.9	78.1	15.5	47.4	12.8	16.2	15.0	4.3	8.2	14.0	15.9	15.6	4.7	8.9
15-19	4.1	5.8	3.1	1.4	2.0	20.7	25.9	18.2	3.6	11.5	4.1	5.3	4.8	1.6	2.7	4.4	5.1	5.0	1.7	2.9
20-24	11.8	16.6	9.2	4.5	6.1	49.8	63.9	44.2	9.9	28.5	11.1	14.6	13.1	4.9	7.5	11.8	13.9	13.3	5.2	7.9
25-29	43.3	57.3	33.0	17.2	21.8	108.4	129.4	88.3	22.6	58.3	27.2	32.8	29.1	12.3	17.1	28.1	30.8	29.0	12.9	17.6
30-34	59.6	75.0	44.5	25.2	29.8	117.4	135.2	91.1	26.6	61.5	33.1	38.1	33.3	16.1	20.0	33.2	35.2	32.8	16.6	20.3
35-39	74.4	91.8	56.1	34.4	38.1	135.0	151.4	100.6	33.5	69.5	41.7	47.4	40.9	22.5	25.1	42.0	43.2	39.7	22.9	25.1
40-44	114.4	135.1	85.1	56.5	58.4	201.8	232.4	152.4	57.8	107.6	70.2	80.9	68.9	43.1	43.2	68.8	72.6	65.8	43.3	42.6
45-49	119.4	142.9	92.8	66.8	64.5	196.1	224.6	145.4	62.9	105.0	73.5	86.9	73.1	52.1	46.9	70.6	76.9	68.8	51.5	45.6
50-54	171.3	200.4	134.2	104.5	94.4	248.1	300.4	191.9	94.6	141.7	110.2	129.2	107.2	87.2	70.3	102.6	112.7	99.4	84.9	67.4
55-59	212.6	241.7	166.8	140.7	118.7	311.7	348.4	219.6	123.3	165.8	142.9	166.6	136.4	126.4	91.5	128.8	143.1	124.6	121.3	86.4
60-64	278.8	304.6	216.8	198.0	156.1	382.7	428.7	266.6	170.6	205.8	219.2	227.9	184.1	194.4	126.3	186.1	192.9	165.7	183.8	117.5
65-69	317.3	341.3	250.5	247.8	182.6	411.4	456.4	280.1	204.3	221.1	251.4	269.8	215.0	258.7	150.8	219.1	225.0	190.7	241.1	138.2
70-74	389.4	409.3	309.6	331.7	228.4	478.4	556.9	337.2	280.4	272.2	348.1	366.0	287.8	394.8	206.5	297.9	300.8	251.6	362.4	186.5
75-79	423.2	441.2	344.1	399.3	256.9	538.4	585.7	349.9	331.6	288.9	416.5	427.9	332.1	519.0	243.6	332.7	346.5	286.0	469.5	216.7
80-84	572.4	591.6	475.7	597.7	359.3	719.5	745.0	439.2	474.3	370.8	573.7	605.1	463.4	825.5	347.6	475.9	482.8	393.2	735.8	304.7
85+	693.5	729.4	604.7	822.9	462.3	775.7	855.2	497.5	612.4	429.5	721.9	772.2	583.5	1,184.7	447.7	586.9	607.1	487.9	1,040.5	386.7
	STANDARD ERRORS																			
All	10.7	8.9	9.4	33.7	21.8	12.4	13.3	16.2	38.2	35.9	13.2	15.6	12.2	64.8	32.6	8.2	9.0	8.9	32.0	18.4
0-14	6.8	17.9	18.4	9.4	14.0	44.2	123.1	96.3	31.2	77.2	7.0	20.7	19.1	9.7	14.5	6.8	17.9	18.4	9.4	14.0
15-19	4.8	19.7	10.7	5.5	7.4	20.9	60.8	42.9	9.9	29.3	4.2	12.7	11.5	4.7	7.1	4.4	11.9	11.6	4.7	7.3
20-24	7.1	29.8	16.8	11.1	13.0	26.9	79.7	55.9	18.1	44.2	6.2	19.0	16.8	10.1	12.5	6.3	17.2	16.6	9.6	12.2
25-29	10.5	42.0	25.7	29.7	28.4	25.7	70.1	52.4	30.1	58.1	7.5	21.5	18.6	20.3	19.8	7.0	17.8	17.9	18.2	18.2
30-34	10.2	38.5	25.8	37.3	32.8	18.9	49.2	39.6	30.6	52.0	7.1	19.1	16.5	24.0	20.4	6.3	15.2	15.7	20.7	18.3
35-39	10.3	39.3	26.9	44.4	36.7	19.5	49.6	38.6	34.3	52.3	7.7	20.9	17.7	31.0	23.1	6.9	16.3	16.8	26.0	20.5
40-44	10.9	40.5	30.6	62.5	47.9	20.1	51.3	43.7	51.5	69.2	10.2	27.6	23.4	54.4	35.3	8.5	20.2	22.1	44.1	30.8
45-49	10.2	37.5	29.7	64.2	46.5	17.6	44.4	37.1	49.6	59.9	9.5	25.7	22.1	61.0	34.6	8.1	18.9	21.6	48.2	30.3
50-54	11.9	42.7	36.7	87.7	59.0	18.4	47.4	41.3	66.6	70.6	12.2	31.4	28.2	95.5	46.9	10.4	23.1	28.9	73.7	41.4
55-59	13.0	45.8	41.3	107.8	65.7	20.7	48.8	43.6	80.3	74.4	14.1	34.2	32.9	131.6	55.9	11.9	25.7	34.6	100.6	50.3
60-64	14.9	50.0	51.1	146.4	79.6	23.2	52.9	51.3	107.0	86.2	19.0	38.8	42.2	195.5	72.1	15.8	30.3	46.0	149.8	66.9
65-69	15.6	51.3	60.3	189.9	90.4	23.4	52.5	54.9	130.4	90.8	18.8	38.8	48.8	256.9	82.5	17.0	32.4	54.5	199.5	79.0
70-74	18.7	59.3	80.4	280.0	118.4	28.5	65.5	72.1	191.3	116.8	23.5	48.4	68.2	396.4	112.3	21.4	42.1	76.3	314.2	110.9
75-79	23.2	73.3	102.7	384.1	146.2	38.9	83.7	87.4	251.1	135.7	28.5	60.5	85.7	538.6	135.9	25.9	53.9	95.5	436.4	137.1
80-84	41.4	127.9	172.2	666.9	236.8	70.6	141.4	134.8	408.0	200.0	46.6	102.8	137.1	905.0	207.6	44.8	92.9	149.1	750.2	210.6
85+	82.0	257.4	294.7	1,070.0	358.2	108.5	243.8	199.5	604.3	268.4	83.1	193.9	213.8	1,387.2	293.6	83.5	176.5	228.5	1,178.1	298.4



Table H.9S.3

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years**

male CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	299.6	347.5	204.0	239.7	206.6	447.7	476.8	351.8	369.1	462.6	317.7	431.0	173.0	270.9	138.5	205.4	241.8	120.0	104.7	112.7
0-14	58.2	59.8	65.0	27.4	61.0	399.2	399.4	391.8	215.6	526.8	52.2	69.3	63.6	52.1	51.5	58.2	59.8	65.0	27.4	61.0
15-19	52.5	63.1	43.9	34.2	40.2	277.7	291.7	273.8	166.6	381.2	48.1	66.4	59.4	51.4	47.0	54.2	56.5	60.0	26.7	55.0
20-24	54.2	61.6	43.5	35.0	39.5	193.6	197.1	180.6	116.1	245.5	38.3	50.0	43.7	39.9	33.8	43.9	42.0	43.6	20.5	39.0
25-29	74.1	82.8	59.1	49.2	53.3	230.0	230.0	205.6	139.6	273.1	51.6	65.1	55.5	53.6	41.9	56.7	54.0	54.6	27.2	47.7
30-34	86.9	99.5	72.0	61.9	64.3	214.4	201.4	175.6	126.0	227.8	50.9	63.6	52.8	53.9	38.9	49.1	52.0	51.3	27.0	43.8
35-39	107.1	128.2	94.0	83.5	83.3	217.0	234.7	199.7	151.4	253.0	65.9	82.6	67.0	72.2	48.2	63.8	66.8	64.3	35.7	53.6
40-44	150.4	162.1	120.4	110.4	105.8	293.3	298.7	248.1	198.6	306.9	100.5	117.2	92.8	105.6	65.2	93.7	93.5	87.9	51.5	71.6
45-49	168.5	184.1	138.6	131.3	120.7	316.8	309.4	250.7	212.1	303.0	100.7	135.4	104.6	125.8	71.8	98.2	106.7	97.8	60.6	77.8
50-54	221.4	255.6	195.0	190.8	168.3	382.5	400.0	316.4	282.7	373.4	149.4	195.2	147.1	187.0	98.7	140.8	151.8	135.8	88.9	105.5
55-59	275.7	318.5	246.2	248.8	210.7	426.7	471.3	363.7	343.4	419.3	203.2	256.5	188.6	253.2	123.6	170.4	197.0	171.9	118.9	130.4
60-64	350.2	380.3	297.8	310.9	252.8	471.4	568.4	428.0	426.9	481.9	325.4	345.0	247.5	351.0	158.4	278.0	261.5	222.7	162.7	165.0
65-69	430.8	441.7	350.5	377.9	295.0	585.2	596.1	438.0	461.5	481.7	378.9	403.5	282.5	423.2	176.5	285.4	301.9	250.9	193.7	181.6
70-74	538.3	532.5	428.2	476.9	357.3	708.6	716.1	513.5	571.5	551.4	534.8	540.4	369.2	584.4	225.4	410.6	399.2	323.8	264.0	228.9
75-79	541.1	567.0	461.9	531.4	382.2	666.4	749.4	524.3	616.5	550.0	610.0	630.7	420.4	703.1	250.7	415.0	459.9	364.0	313.6	251.3
80-84	612.3	653.4	539.3	640.8	442.4	851.3	789.3	538.9	669.5	552.1	629.2	740.8	481.9	851.3	280.6	506.0	533.3	411.9	374.9	277.7
85+	886.8	1,010.4	845.0	1,037.2	687.3	1,100.0	1,140.6	760.0	997.3	760.4	1,040.7	1,193.7	757.7	1,414.2	430.9	726.5	848.5	639.4	614.8	421.1

**STANDARD ERRORS**

All	2.2	8.1	8.5	38.6	21.3	13.5	16.3	21.5	75.3	62.2	11.4	17.6	11.7	89.2	33.8	7.7	9.8	10.1	34.5	20.3
0-14	17.1	44.7	52.2	43.2	67.8	139.4	323.3	337.4	326.9	629.6	19.5	60.9	56.2	88.4	68.3	17.1	44.7	52.2	43.2	67.8
15-19	16.1	28.6	20.5	25.7	23.5	102.8	252.3	244.7	240.0	443.5	18.3	60.4	53.5	83.7	60.1	17.4	46.3	50.5	40.7	59.7
20-24	12.9	21.2	15.4	22.3	19.1	58.0	137.3	129.9	145.3	246.7	12.0	37.3	31.8	58.1	38.3	12.1	28.6	30.3	28.0	37.1
25-29	11.0	17.5	13.2	25.8	20.0	43.8	94.4	92.4	143.5	213.0	11.2	31.7	26.1	67.5	39.4	10.3	22.6	24.2	31.9	35.7
30-34	10.5	16.2	12.7	28.4	20.5	31.0	63.4	63.7	114.2	153.8	9.9	25.7	20.8	62.4	33.3	8.2	18.1	19.4	29.1	29.1
35-39	9.8	16.0	12.9	33.4	22.6	24.8	56.7	57.6	120.7	147.7	10.4	27.1	21.3	76.7	37.4	9.0	18.7	20.1	35.3	31.4
40-44	10.4	15.9	13.2	38.0	24.7	27.5	57.8	59.9	137.9	156.5	12.9	31.6	24.4	102.6	46.6	10.9	21.3	23.5	46.8	37.7
45-49	10.7	15.8	13.5	39.5	24.7	26.2	52.6	53.5	130.9	136.7	12.6	31.8	24.5	114.3	48.0	11.0	21.5	24.5	51.7	37.9
50-54	12.4	18.3	16.5	50.4	30.1	28.1	58.1	59.2	157.1	147.9	16.7	38.7	30.4	159.7	61.9	14.4	26.1	31.8	72.1	48.5
55-59	13.6	20.1	19.0	59.5	33.8	27.7	60.9	62.2	176.2	149.8	19.8	42.9	36.0	207.2	74.2	17.0	29.9	39.2	93.4	58.1
60-64	15.4	21.1	22.1	71.2	38.2	28.9	65.7	71.2	212.5	161.6	28.2	49.5	45.7	280.3	92.7	23.4	35.0	51.4	126.6	73.8
65-69	16.5	22.5	26.6	89.1	44.6	32.6	66.5	75.6	236.7	159.4	26.7	50.8	53.1	337.1	102.6	21.2	37.2	60.5	153.3	83.7
70-74	20.4	27.7	36.1	122.7	58.7	44.5	86.2	98.6	316.2	194.9	32.8	65.4	74.7	475.7	133.3	27.5	49.5	84.1	216.8	112.7
75-79	24.9	34.9	46.4	154.4	71.3	60.3	111.9	119.9	379.3	217.0	40.4	84.2	95.9	595.6	153.6	31.2	64.2	105.5	271.5	134.4
80-84	39.5	56.0	68.1	218.5	96.6	104.2	159.1	152.4	473.0	251.3	55.0	126.7	130.3	770.5	182.3	50.2	99.0	138.3	351.3	164.5
85+	88.1	128.8	142.7	414.6	181.6	183.2	316.6	276.9	812.7	412.8	127.4	293.6	259.3	1,390.4	305.4	97.5	216.6	258.7	628.7	281.9





Table H.9S 4

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years**

male CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	236.1	263.6	192.7	295.0	176.4	448.3	447.7	433.7	643.4	479.0	257.3	346.8	202.1	108.9	171.1	184.8	207.2	130.6	186.6	140.2
0-14	72.6	78.5	57.7	84.7	62.2	288.0	308.6	235.6	444.9	259.3	54.9	69.7	50.2	45.5	42.2	72.6	78.5	57.7	84.7	62.2
15-19	61.2	69.4	44.7	100.2	37.9	195.6	210.4	165.8	321.4	180.7	53.4	67.7	49.7	43.1	41.1	67.2	74.2	55.7	78.2	59.0
20-24	60.4	69.5	44.6	95.0	38.5	146.0	156.9	126.1	233.8	135.1	42.8	53.6	40.1	33.3	32.6	52.3	57.2	43.8	58.9	45.6
25-29	73.5	85.0	55.8	108.6	47.4	180.6	194.6	159.5	283.2	168.1	57.7	70.6	53.9	42.8	43.1	67.7	73.4	57.3	70.7	58.7
30-34	91.1	105.8	73.2	138.3	64.3	194.4	209.5	175.1	297.5	181.4	67.6	80.7	62.8	47.8	49.4	78.6	81.8	65.0	80.1	65.5
35-39	117.6	130.1	96.8	172.1	89.3	261.3	274.7	234.1	380.7	238.5	94.1	112.3	89.1	64.9	68.9	101.0	110.9	90.0	106.1	89.1
40-44	135.4	152.9	119.5	188.1	97.7	299.0	306.7	266.6	414.9	267.1	113.2	133.1	107.8	75.1	81.9	116.0	128.1	106.0	119.6	103.2
45-49	178.1	199.8	150.8	225.0	127.7	343.7	352.1	312.1	464.9	307.5	141.0	162.3	134.0	89.4	100.2	149.8	152.1	128.3	138.6	122.9
50-54	250.7	262.6	223.4	307.6	194.5	505.2	494.7	447.2	637.6	433.2	220.0	242.1	203.8	130.2	149.9	208.2	221.0	190.2	196.6	179.1
55-59	295.7	321.1	262.1	345.2	215.3	519.2	525.2	484.2	660.7	461.3	235.8	272.9	234.3	143.2	169.4	240.5	242.7	213.0	210.7	197.3
60-64	373.6	398.0	319.4	412.8	277.2	656.9	657.1	617.8	806.9	578.8	333.6	362.6	317.5	185.7	225.7	313.6	314.1	281.1	266.2	256.1
65-69	442.5	453.2	433.3	496.8	367.7	742.9	764.3	732.8	916.1	675.1	429.7	447.8	399.8	223.9	279.5	377.8	377.9	344.8	312.6	308.9
70-74	537.1	527.8	580.8	635.1	510.3	909.5	939.0	918.1	1,098.5	831.8	565.5	584.2	531.9	285.1	365.7	451.9	480.3	446.9	387.7	393.7
75-79	590.2	599.2	547.0	587.6	507.0	949.4	960.6	957.8	1,096.9	853.3	600.3	634.5	589.2	302.2	398.3	523.9	508.2	482.2	400.4	417.7
80-84	572.9	571.9	626.0	580.7	526.9	980.4	968.6	984.9	1,079.5	862.8	661.1	679.3	643.3	315.8	427.7	511.6	530.0	512.9	407.6	436.9
85+	691.4	687.3	792.8	734.4	715.9	1,067.0	1,072.1	1,111.7	1,166.3	957.7	780.5	798.4	771.0	362.3	504.1	596.9	606.8	598.8	455.5	501.6
	STANDARD ERRORS																			
All	9.7	10.1	10.4	69.3	29.0	24.6	33.2	44.1	191.6	163.8	13.1	26.2	16.5	91.0	49.4	7.7	11.1	12.1	63.7	31.3
0-14	27.5	36.0	28.3	76.7	42.8	121.6	153.5	124.8	400.5	208.9	24.4	37.7	26.5	56.9	34.3	27.5	36.0	28.3	76.7	42.8
15-19	20.1	23.3	16.9	61.9	19.8	74.6	93.1	78.3	258.7	137.2	20.7	31.9	22.7	51.2	29.8	22.2	29.3	23.6	63.9	35.4
20-24	13.6	16.1	12.2	49.8	16.5	43.7	53.3	46.6	162.1	90.5	13.1	19.9	14.2	37.2	20.6	13.0	16.8	14.1	42.1	23.0
25-29	13.2	16.3	12.5	50.5	17.8	40.4	49.0	45.1	173.8	100.3	13.7	20.5	14.6	45.9	24.0	12.4	15.7	13.8	47.6	25.2
30-34	12.2	15.8	12.9	56.1	20.9	32.2	39.0	38.1	159.2	97.8	12.7	18.9	13.2	49.4	24.6	11.3	13.6	12.4	46.5	24.4
35-39	12.9	15.8	14.7	64.0	25.6	35.0	40.4	43.0	182.4	118.3	14.6	21.7	15.3	65.5	30.9	12.1	14.6	14.3	56.4	29.2
40-44	12.5	16.8	14.8	62.3	24.8	36.1	40.3	43.7	178.5	124.3	14.6	22.1	15.8	74.3	33.7	12.5	15.0	14.9	58.5	30.7
45-49	15.1	20.3	17.7	68.4	29.7	38.6	42.3	47.1	182.3	135.5	16.8	24.0	17.7	87.4	38.3	14.9	16.3	17.0	63.4	34.2
50-54	19.9	25.9	24.1	90.6	43.7	55.8	57.7	63.5	234.7	184.6	23.7	32.2	24.7	126.5	54.3	19.9	22.2	24.6	85.9	48.6
55-59	23.5	30.5	29.3	98.2	47.1	53.6	59.7	66.0	232.9	191.1	25.8	33.7	28.2	139.3	59.8	23.4	24.0	28.4	90.0	53.8
60-64	29.5	36.6	37.7	119.9	60.8	70.2	77.7	87.1	287.2	237.8	35.0	42.4	39.3	181.8	78.8	30.9	31.4	39.8	114.6	73.9
65-69	34.9	40.5	52.9	147.0	86.1	82.9	94.0	108.1	338.2	281.1	45.2	51.0	51.3	221.4	99.6	35.7	37.0	51.5	138.2	95.7
70-74	43.4	47.2	78.1	206.8	125.2	114.4	126.2	151.3	446.4	358.9	57.7	66.3	74.2	286.6	135.3	44.1	49.0	74.0	182.0	133.8
75-79	54.9	59.4	89.6	219.2	139.3	140.6	149.8	186.1	493.9	389.5	68.2	79.7	94.7	311.3	157.0	57.5	60.4	92.9	204.0	157.9
80-84	72.6	76.7	121.7	238.6	164.9	173.6	190.3	232.3	549.1	424.4	96.5	113.0	128.0	335.1	184.6	74.0	85.2	119.7	227.9	186.0
85+	129.5	135.2	188.8	352.6	274.4	250.3	288.2	342.5	689.5	533.1	172.0	202.1	217.6	402.1	256.0	125.4	147.3	182.7	290.4	255.7

Table H.10

**Death Rates: by Age Group**

female CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	216.6	251.0	171.8	178.5	114.9	333.0	368.3	286.9	251.8	238.9	233.3	310.2	161.4	180.2	98.5	136.1	160.5	96.8	99.9	63.8
0-14	40.3	38.9	39.4	26.6	27.0	161.9	177.4	155.2	106.7	134.6	32.0	40.3	38.3	30.9	23.7	40.3	38.9	39.4	26.6	27.0
15-19	23.0	27.9	20.6	19.7	13.7	72.5	85.8	71.2	50.9	64.8	20.5	26.7	25.2	21.0	15.3	25.6	25.6	25.7	17.9	17.2
20-24	33.8	38.7	29.1	28.0	19.2	81.4	95.4	78.6	58.0	69.9	26.2	31.7	29.7	25.6	17.6	31.2	30.1	30.1	21.6	19.7
25-29	48.4	55.9	42.8	41.5	27.9	107.2	121.9	99.7	76.0	86.8	36.1	43.3	40.3	35.8	23.4	42.3	40.8	40.5	30.1	25.9
30-34	67.7	75.3	58.5	57.4	37.8	118.0	130.9	106.4	83.7	90.6	45.2	49.7	45.9	42.2	26.1	52.8	46.5	45.8	35.1	28.7
35-39	87.8	97.7	77.3	76.5	49.4	171.2	170.9	138.0	112.1	114.8	63.0	69.4	63.6	60.4	35.3	65.6	64.3	62.9	49.8	38.5
40-44	100.9	114.3	91.9	91.8	58.2	190.6	193.0	154.7	129.8	126.0	69.9	83.7	76.2	74.8	41.4	68.1	77.0	74.8	61.2	44.8
45-49	119.7	134.7	110.2	111.1	69.0	200.1	211.1	168.0	145.5	133.8	86.2	97.9	88.5	89.6	47.0	76.1	89.2	86.1	72.7	50.4
50-54	170.1	188.5	156.7	159.6	97.2	243.4	281.5	222.5	199.1	173.3	130.6	139.5	125.3	131.0	65.1	116.6	126.2	120.9	105.5	69.2
55-59	214.7	234.9	198.7	204.2	122.0	296.1	334.6	262.6	242.6	200.1	154.2	177.2	158.0	170.6	80.3	153.3	158.9	151.2	136.2	84.7
60-64	271.8	295.7	254.3	263.8	154.6	354.0	416.0	324.3	309.4	241.7	209.9	235.6	208.6	232.6	103.7	208.5	209.5	197.9	184.1	108.5
65-69	327.7	346.8	303.4	317.7	182.5	412.3	462.9	358.3	353.0	261.2	287.5	280.2	246.3	283.7	119.8	223.3	247.1	231.8	222.7	124.3
70-74	405.5	423.5	376.7	398.2	224.4	520.3	568.8	437.2	444.8	311.7	321.2	367.9	321.3	382.0	152.8	327.2	321.8	299.8	297.5	157.2
75-79	465.3	482.1	436.1	465.3	257.1	625.6	648.8	495.3	520.4	345.4	407.3	448.6	389.0	477.7	180.9	394.5	389.1	359.9	368.9	184.6
80-84	597.1	609.0	560.3	603.3	327.0	803.6	798.8	605.6	657.0	413.0	583.7	590.3	508.3	644.6	231.3	489.3	507.7	466.5	493.7	234.0
85+	800.1	826.3	773.2	840.4	446.7	936.1	1,027.8	773.7	867.0	516.2	880.0	811.9	694.2	909.2	308.9	649.6	692.5	631.8	690.5	310.0

**STANDARD ERRORS**

All	1.5	2.7	3.0	11.6	5.9	4.8	7.0	8.5	24.4	19.7	4.9	8.6	6.3	37.4	12.1	2.5	3.8	4.1	15.6	6.6
0-14	5.9	12.0	13.0	19.2	13.9	30.4	60.0	55.6	75.2	75.1	6.9	15.9	14.7	26.4	14.9	5.9	12.0	13.0	19.2	13.9
15-19	5.2	7.0	5.3	7.5	4.4	17.5	40.1	34.0	36.7	40.1	5.1	13.3	12.3	18.2	10.2	5.2	11.5	11.7	13.4	10.0
20-24	4.9	6.4	5.0	8.6	4.7	14.4	32.1	27.4	34.6	35.1	5.0	11.7	10.6	19.4	9.9	4.7	9.8	10.0	13.8	9.3
25-29	4.6	6.1	4.9	10.6	5.4	12.8	25.6	22.7	37.1	34.8	5.4	11.2	9.9	24.1	11.0	4.6	8.5	8.9	16.4	9.8
30-34	4.7	5.9	5.0	12.5	6.2	10.7	20.2	18.6	35.3	31.3	5.8	10.4	9.0	26.1	11.0	4.7	7.6	8.0	17.3	9.5
35-39	4.8	6.1	5.3	14.4	7.0	12.7	20.9	19.7	41.0	34.8	7.0	12.1	10.3	34.7	13.5	5.0	8.4	9.1	22.2	11.4
40-44	4.7	6.0	5.3	14.9	7.2	12.1	19.8	18.9	41.0	33.8	7.0	12.5	10.7	40.2	14.5	4.9	8.6	9.5	25.1	12.1
45-49	4.9	6.1	5.6	15.5	7.6	11.2	18.9	17.9	39.9	32.1	7.6	12.7	11.0	45.4	15.3	5.2	8.8	10.1	27.7	12.7
50-54	5.9	7.1	6.8	19.4	9.5	11.1	21.0	20.2	47.9	37.1	9.9	15.4	13.6	63.3	19.8	7.1	10.6	13.2	38.0	16.6
55-59	6.8	7.8	7.8	22.8	11.0	12.0	22.2	21.7	53.9	39.3	10.9	16.9	15.9	79.8	23.2	8.8	12.0	16.1	47.9	19.9
60-64	7.7	8.8	9.4	29.0	13.5	12.7	24.7	25.3	67.4	45.0	12.9	19.5	20.0	106.8	29.0	11.0	14.5	21.3	64.7	25.8
65-69	8.6	9.5	11.3	37.2	16.2	13.8	25.9	28.0	81.4	48.3	14.8	20.8	23.6	130.2	33.2	11.1	16.3	26.1	80.7	30.7
70-74	10.9	11.8	15.3	52.6	21.5	18.6	33.2	37.1	114.4	60.6	15.8	26.3	32.4	178.5	43.0	15.5	22.0	36.5	113.9	41.4
75-79	14.6	15.6	20.9	71.3	27.7	29.1	45.1	49.8	153.8	73.7	20.5	34.2	43.4	231.1	53.0	21.5	30.0	49.2	151.9	52.8
80-84	24.2	25.7	33.2	108.5	40.2	51.8	72.0	75.3	226.4	99.5	33.4	53.1	65.5	328.4	71.9	35.2	48.3	73.5	222.7	73.5
85+	45.0	49.8	59.6	175.8	63.9	82.6	126.8	123.1	346.9	143.1	67.4	97.9	109.5	492.8	104.5	56.0	87.1	118.7	343.0	108.3



Table H.10S 1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year***female CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

RATES																				
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	185.0	215.8	133.0	147.8	81.7	261.7	295.4	200.3	192.5	166.9	201.8	261.3	121.9	166.8	66.3	102.7	121.2	69.8	83.4	24.8
0-14	37.3	36.8	42.6	55.5	14.3	196.3	216.9	176.7	249.1	137.7	40.8	58.4	52.8	87.4	27.0	37.3	36.8	42.6	55.5	14.3
15-19	6.3	7.9	6.6	9.3	3.4	24.4	28.4	21.1	29.5	19.0	6.7	9.7	8.7	14.0	4.4	6.2	6.3	7.2	9.1	2.4
20-24	17.6	18.0	14.8	20.1	7.6	57.4	55.5	40.9	55.5	36.0	17.2	19.8	17.8	27.6	8.7	15.9	13.3	15.2	18.6	4.9
25-29	27.3	33.0	25.5	34.2	13.6	59.5	62.8	46.0	60.5	39.6	18.5	23.5	21.0	31.6	10.0	16.9	16.2	18.5	21.9	5.8
30-34	45.5	51.8	44.3	54.6	22.0	69.8	75.9	55.3	70.6	46.5	24.0	29.9	26.4	38.7	12.4	22.4	21.2	24.0	27.6	7.4
35-39	58.4	65.4	51.3	68.3	28.3	104.7	113.5	82.3	101.8	67.7	38.2	46.9	41.3	58.6	18.9	34.7	34.2	38.6	43.1	11.6
40-44	49.6	53.4	43.5	55.8	24.6	81.1	88.5	63.8	76.6	51.4	30.6	38.4	33.7	46.3	15.1	27.7	28.9	32.4	35.1	9.5
45-49	72.1	87.3	62.8	76.9	35.1	115.0	118.0	84.6	98.5	66.6	45.3	53.8	46.8	62.4	20.5	39.8	41.6	46.4	48.7	13.3
50-54	115.8	133.8	93.0	109.5	52.9	156.2	184.6	131.6	148.6	101.3	73.9	88.3	76.5	98.9	32.8	68.9	70.4	78.1	79.4	21.9
55-59	155.0	169.5	134.9	156.0	69.3	206.2	238.5	169.2	185.2	127.3	95.5	119.7	103.2	129.4	43.2	95.5	98.3	108.4	107.0	29.8
60-64	208.8	224.1	175.2	206.5	109.7	253.3	308.1	217.4	230.7	160.0	141.4	162.4	139.2	169.2	57.0	150.0	137.2	150.7	144.2	40.4
65-69	265.0	290.5	236.7	237.4	119.0	340.8	369.1	259.1	266.6	186.5	199.6	204.2	174.2	205.3	69.7	171.3	177.8	194.1	180.1	50.9
70-74	329.7	342.5	276.8	293.6	154.7	420.5	465.2	324.8	324.1	228.6	251.9	270.2	229.2	262.0	89.7	238.6	242.2	263.0	236.6	67.5
75-79	420.8	428.8	418.0	347.6	190.0	575.0	602.2	418.1	404.6	287.9	323.9	367.2	309.8	343.3	118.6	340.5	338.9	366.1	319.4	91.9
80-84	579.8	630.1	570.6	471.0	256.2	760.6	810.4	559.7	525.2	376.8	528.2	518.7	435.4	467.8	163.0	468.5	493.0	529.7	448.2	130.0
85+	753.9	771.9	668.0	576.0	345.0	893.6	1,044.1	717.3	652.7	472.3	692.0	701.6	585.7	610.3	214.4	615.9	686.7	734.0	602.1	176.2
STANDARD ERRORS																				
All	1.4	4.9	5.6	20.4	10.4	5.9	9.4	11.4	33.9	27.1	7.4	13.2	10.6	67.7	17.1	3.8	6.1	6.7	29.3	7.2
0-14	7.5	10.5	13.7	52.0	10.8	52.0	74.8	66.6	221.0	102.1	13.5	26.0	23.2	98.0	23.3	7.5	10.5	13.7	52.0	10.8
15-19	4.0	5.1	4.2	7.6	2.6	15.6	25.1	18.8	33.6	20.1	4.4	8.9	7.9	18.6	5.0	3.8	5.4	6.3	10.9	2.6
20-24	5.8	6.7	5.8	11.9	4.0	19.3	28.1	21.3	45.3	26.5	6.4	10.9	9.7	29.0	7.3	5.3	6.7	7.8	16.9	3.8
25-29	5.7	7.6	6.5	16.2	5.6	13.6	19.6	15.5	39.3	23.2	5.2	9.0	7.9	29.1	7.1	4.1	5.4	6.4	16.9	3.8
30-34	6.3	8.6	8.5	21.9	7.7	11.6	16.6	13.8	38.8	23.0	5.4	8.9	7.8	32.5	7.8	4.2	5.3	6.5	19.1	4.3
35-39	6.5	9.3	8.6	24.2	8.8	13.9	18.8	16.2	48.1	29.1	7.2	11.4	10.0	45.4	10.7	5.4	6.7	8.5	27.2	6.2
40-44	5.2	7.2	7.0	17.4	7.0	10.3	13.9	11.7	31.4	19.7	5.4	8.5	7.5	33.4	7.9	4.1	5.3	6.7	20.5	4.8
45-49	6.0	9.3	8.7	20.6	8.8	11.7	14.7	12.7	34.0	22.1	6.9	9.9	8.9	42.0	9.7	5.1	6.2	8.4	26.5	6.2
50-54	7.3	11.1	10.9	24.8	11.9	12.2	17.2	15.5	43.3	29.1	9.6	13.1	12.3	62.4	14.2	7.6	8.4	12.4	40.9	9.7
55-59	8.4	12.4	14.1	33.2	14.4	14.0	18.8	17.5	48.8	32.6	10.9	14.8	14.9	77.7	17.5	9.7	10.1	16.4	53.5	12.7
60-64	9.8	13.7	17.5	41.3	20.8	14.9	20.8	20.6	59.0	37.7	14.0	16.8	18.7	98.2	21.9	13.9	12.5	22.3	71.7	17.0
65-69	11.2	15.3	22.3	49.2	22.4	18.0	22.6	23.8	72.8	42.9	17.0	18.0	22.8	117.3	26.0	14.5	14.9	29.1	91.4	21.6
70-74	13.9	18.2	27.4	65.9	30.6	23.4	29.0	31.6	100.7	55.0	20.0	22.4	30.8	150.5	33.4	19.7	20.4	41.5	125.8	29.4
75-79	20.0	25.6	47.2	93.0	41.0	37.9	43.3	47.2	147.5	76.1	26.2	31.4	44.7	202.5	45.2	30.2	31.2	63.0	180.7	41.8
80-84	33.0	42.8	76.4	149.7	60.0	63.6	73.0	76.3	225.4	113.0	43.9	49.9	69.5	288.4	65.1	47.3	52.4	101.3	274.3	62.6
85+	59.6	75.3	107.6	204.2	93.1	100.9	128.0	122.1	326.6	163.1	75.8	87.6	107.8	397.6	92.1	75.0	92.9	160.8	400.7	90.9

Table H.10S.2

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years**

*female CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	223.3	267.2	168.5	175.4	129.0	330.4	383.1	262.5	221.5	201.7	244.3	328.5	160.3	225.4	130.7	122.8	150.6	80.0	109.7	60.5
0-14	10.4	10.5	12.0	5.1	5.7	66.2	73.8	64.2	17.8	32.7	10.0	11.2	12.0	4.8	5.5	10.4	10.5	12.0	5.1	5.7
15-19	3.4	4.7	3.0	1.7	1.7	16.5	19.3	15.7	4.4	8.3	3.3	3.8	4.0	1.8	1.9	3.4	3.5	3.9	1.9	1.9
20-24	10.0	13.9	9.1	5.4	5.3	40.5	49.1	39.4	12.5	21.3	9.1	10.7	11.2	5.9	5.4	9.0	9.8	10.8	6.0	5.4
25-29	37.5	49.1	33.0	21.4	19.6	91.1	102.5	81.3	29.4	45.0	22.9	25.0	25.7	15.3	12.6	22.3	22.4	24.5	15.4	12.4
30-34	52.8	65.7	45.5	31.9	27.4	104.4	110.6	86.6	35.7	48.9	28.6	29.9	30.4	20.7	15.3	26.8	26.4	28.6	20.4	14.8
35-39	67.3	82.1	58.7	44.5	35.7	117.9	127.9	98.7	46.4	57.1	36.9	38.5	38.6	29.9	19.8	34.3	33.5	35.7	29.1	18.9
40-44	105.8	123.4	90.9	74.7	56.0	186.5	202.7	154.4	82.7	91.3	63.6	67.8	67.1	59.3	35.3	57.4	58.1	61.1	56.7	33.2
45-49	112.7	133.4	101.3	90.1	63.2	170.4	202.3	152.1	92.8	91.9	68.2	75.2	73.5	74.0	39.5	59.9	63.5	66.0	69.8	36.6
50-54	165.2	191.1	149.6	144.2	94.4	234.7	279.4	207.2	144.1	128.1	106.1	115.5	111.3	127.7	61.2	91.0	96.1	98.5	118.7	55.9
55-59	209.5	235.5	190.1	198.4	121.4	284.2	334.5	244.8	194.0	154.8	140.1	153.8	146.2	191.1	82.1	118.7	126.1	127.5	175.0	74.0
60-64	280.7	303.2	252.3	285.2	163.1	368.4	424.9	306.9	277.2	198.4	204.1	217.2	203.7	303.6	117.1	169.8	175.4	175.0	273.9	103.9
65-69	326.2	347.2	297.9	364.6	194.8	399.4	467.1	332.9	342.7	220.1	264.6	265.4	245.7	417.2	144.4	207.5	211.2	208.0	371.0	126.2
70-74	409.0	425.3	376.2	498.7	248.9	556.3	588.5	413.9	485.6	279.8	348.5	371.7	339.6	657.2	204.0	291.8	291.5	283.2	575.8	175.8
75-79	454.1	468.5	427.2	613.3	286.1	570.7	639.0	443.4	592.9	306.6	427.9	448.7	404.5	892.2	248.5	343.9	346.8	332.4	770.2	211.0
80-84	627.3	641.7	603.4	938.0	408.9	757.7	839.2	574.7	875.8	406.3	633.2	655.2	582.8	1,465.0	366.1	488.0	498.9	471.9	1,246.1	306.3
85+	776.4	808.4	783.7	1,319.3	537.4	850.1	994.7	672.1	1,167.4	485.9	831.9	863.3	757.7	2,171.0	486.8	618.6	647.7	604.6	1,819.5	401.3

**STANDARD ERRORS**

All	10.8	9.5	9.7	36.1	20.2	12.6	14.5	15.9	46.8	34.3	14.8	19.5	13.9	89.1	30.8	7.4	8.6	8.4	36.6	14.6
0-14	5.1	12.0	14.1	10.2	9.1	34.5	88.8	79.3	35.3	53.6	5.6	14.7	15.5	10.9	9.9	5.1	12.0	14.1	10.2	9.1
15-19	4.0	16.2	10.3	6.5	6.3	16.7	45.3	37.0	12.0	21.2	3.4	9.1	9.5	5.4	5.0	3.4	8.2	9.2	5.3	4.9
20-24	6.0	25.0	16.4	13.3	11.3	21.7	61.2	49.4	22.2	32.9	5.1	14.1	14.4	12.0	9.0	4.8	12.1	13.5	11.0	8.3
25-29	9.1	36.3	25.3	35.6	25.0	21.7	56.2	47.3	37.2	44.9	6.4	17.0	16.6	24.6	14.9	5.6	13.1	14.8	21.4	12.9
30-34	9.1	34.8	26.0	45.3	29.5	17.6	42.2	37.1	38.5	41.6	6.4	16.1	15.5	30.0	16.0	5.1	11.8	13.5	25.3	13.4
35-39	9.5	36.2	27.6	54.5	33.4	17.5	43.4	36.9	43.9	43.0	7.1	18.1	17.0	39.7	18.7	5.7	13.1	14.8	32.6	15.5
40-44	10.4	39.0	31.9	76.8	44.3	19.9	47.9	42.6	66.1	58.7	9.8	25.3	23.4	71.4	29.5	7.3	17.0	20.1	57.1	24.0
45-49	9.9	36.6	31.4	78.3	43.7	16.4	41.9	36.9	63.5	52.2	9.3	24.3	22.6	81.8	30.0	7.1	16.4	20.2	64.3	24.4
50-54	11.5	41.9	38.1	105.6	56.2	17.8	45.9	40.6	84.1	63.2	12.3	30.9	29.2	131.1	42.1	9.3	20.5	27.4	101.5	34.4
55-59	12.8	45.5	43.3	128.0	63.9	19.2	48.2	43.5	100.3	68.1	14.6	35.1	34.9	184.9	52.0	11.1	23.7	33.9	142.9	43.1
60-64	14.9	50.7	53.6	174.4	78.5	21.9	53.5	51.3	134.9	80.3	18.9	41.9	45.5	281.9	69.2	14.7	29.3	46.4	220.2	58.9
65-69	16.2	54.2	63.3	233.9	91.8	22.8	55.4	55.9	170.8	86.8	21.7	44.7	53.6	381.0	81.8	17.0	33.2	56.7	302.9	71.8
70-74	20.3	65.5	87.0	364.1	124.2	32.8	71.5	76.7	268.1	114.7	26.7	58.2	77.0	607.6	114.7	22.8	45.5	82.2	493.5	104.0
75-79	26.6	84.2	117.2	530.1	160.7	43.4	94.5	99.3	380.7	138.8	33.7	73.7	100.2	857.3	143.4	30.3	60.6	107.1	710.0	133.2
80-84	48.3	149.8	205.2	963.7	265.8	74.4	162.4	161.7	662.1	210.4	58.1	125.8	166.2	1,496.1	223.9	51.7	105.7	173.4	1,259.8	210.3
85+	91.0	284.5	357.0	1,607.8	410.6	112.0	275.4	247.6	1,040.2	291.5	102.1	227.5	265.9	2,384.1	325.0	84.9	188.1	269.4	2,037.0	305.7



Table H.10S3

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years**

female CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	258.4	309.3	197.9	205.2	119.6	446.2	497.7	391.3	308.5	324.9	246.4	349.1	149.4	175.7	75.5	160.3	198.2	104.8	68.7	62.1
0-14	56.0	54.8	59.3	21.7	38.1	361.0	397.2	386.6	184.9	357.6	39.4	54.5	49.6	35.2	27.5	56.0	54.8	59.3	21.7	38.1
15-19	44.9	57.6	40.6	32.8	25.4	250.6	295.2	275.4	145.1	262.6	36.7	52.4	46.6	34.9	25.2	48.7	52.0	54.9	21.2	34.4
20-24	45.3	56.5	40.4	33.7	25.0	175.8	200.4	182.4	101.5	169.8	29.7	39.6	34.4	27.2	18.2	38.2	38.9	40.0	16.3	24.5
25-29	60.8	76.2	55.1	47.6	33.9	195.9	234.8	208.5	122.6	189.6	38.6	51.8	43.8	36.7	22.7	51.4	50.1	50.4	21.7	30.1
30-34	77.4	91.9	67.4	60.1	41.1	176.2	206.3	178.9	111.1	158.9	40.4	50.8	41.9	37.0	21.2	48.5	48.5	47.5	21.6	27.8
35-39	109.0	119.0	88.4	81.4	53.4	238.5	241.4	204.2	134.0	177.1	55.7	66.2	53.4	49.8	26.3	64.2	62.5	59.8	28.7	34.1
40-44	118.5	151.1	113.8	108.2	68.1	276.0	308.5	254.6	176.6	215.8	74.4	94.4	74.2	73.2	35.7	75.5	87.9	82.0	41.7	45.8
45-49	144.3	172.3	131.5	129.1	78.0	296.8	320.9	258.4	189.3	213.9	82.8	109.5	84.0	87.5	39.5	86.4	100.6	91.7	49.2	49.9
50-54	223.5	240.4	185.8	188.5	109.3	384.8	416.6	327.4	253.3	264.6	144.1	158.5	118.7	130.6	54.5	123.2	143.8	127.8	72.5	68.0
55-59	283.6	300.8	235.6	246.9	137.5	454.2	492.9	378.0	309.0	298.4	172.8	209.1	152.8	177.6	68.5	180.1	187.3	162.5	97.3	84.4
60-64	333.7	360.7	286.2	309.9	165.6	552.8	596.8	446.6	385.7	344.3	245.4	282.3	201.3	247.2	88.2	236.0	249.7	211.4	133.7	107.3
65-69	374.1	420.8	338.3	378.3	194.1	521.9	628.4	458.9	418.7	345.5	318.2	331.5	230.6	299.2	98.7	248.5	289.5	239.1	159.8	118.5
70-74	444.0	509.5	415.0	479.4	236.1	597.7	757.9	540.1	520.5	397.2	351.9	445.8	302.7	414.9	126.5	378.1	384.3	309.8	218.7	149.9
75-79	527.8	544.8	449.7	536.6	253.6	718.2	796.4	553.8	563.9	397.8	472.3	522.4	346.1	501.2	141.3	453.0	444.6	349.7	260.9	165.3
80-84	632.0	630.4	527.3	649.8	294.8	798.8	842.3	571.5	614.8	400.9	581.3	616.1	398.3	609.3	158.8	545.8	517.6	397.3	313.1	183.4
85+	1,021.1	979.2	829.7	1,056.3	460.0	1,163.8	1,222.1	809.1	919.5	554.4	1,056.3	996.8	628.8	1,016.3	244.9	819.7	826.8	619.2	515.6	279.2
STANDARD ERRORS																				
All	2.0	7.9	7.8	31.9	14.5	13.6	18.1	20.7	53.2	47.9	11.1	17.8	11.1	64.4	19.5	6.3	8.7	8.3	23.6	11.8
0-14	17.2	41.8	47.8	34.3	42.4	127.7	326.4	334.0	271.2	428.1	15.1	49.4	44.8	60.3	37.1	17.2	41.8	47.8	34.3	42.4
15-19	13.8	26.2	18.9	23.7	14.7	92.9	256.6	245.4	200.6	305.2	14.1	48.6	42.4	57.4	32.7	15.8	42.9	46.1	32.4	37.4
20-24	10.3	19.1	14.0	20.4	11.9	51.5	138.0	129.1	120.3	169.0	9.3	29.8	25.1	40.0	20.9	10.0	26.0	27.2	22.4	23.1
25-29	8.9	16.0	12.0	23.5	12.5	35.9	95.4	91.1	116.6	146.9	8.7	26.0	21.0	47.0	21.8	8.9	20.7	21.5	25.8	22.4
30-34	8.7	14.8	11.6	25.6	12.9	25.2	64.2	62.5	91.6	106.8	8.0	21.3	16.9	43.9	18.6	7.4	16.5	17.1	23.7	18.4
35-39	9.8	15.1	12.1	30.1	14.5	28.1	59.7	58.0	95.8	103.7	9.6	23.3	17.9	54.7	21.2	8.4	17.3	18.0	29.2	20.1
40-44	9.2	15.3	12.6	34.2	16.1	28.0	61.8	60.0	107.6	111.0	11.2	27.7	20.9	74.4	26.6	8.8	20.0	21.0	39.5	24.3
45-49	9.7	15.1	12.7	35.5	16.5	26.0	56.3	52.8	100.1	98.3	11.4	28.1	21.0	84.1	27.8	9.4	20.0	21.6	44.3	24.8
50-54	12.2	17.5	15.4	45.6	21.0	27.7	61.4	57.8	117.1	108.6	16.6	34.2	26.2	119.0	36.4	12.4	24.3	28.3	62.7	32.2
55-59	14.1	19.5	17.7	55.6	24.6	29.8	65.7	60.3	131.6	112.6	18.7	38.9	31.2	157.1	44.2	16.4	28.2	34.9	82.8	39.2
60-64	14.6	20.4	20.2	69.0	29.1	32.3	71.2	67.5	161.5	124.2	23.2	45.5	39.2	215.4	55.8	19.2	33.7	45.9	113.7	50.4
65-69	15.7	22.3	24.5	90.1	35.1	30.7	71.8	70.7	187.1	124.7	27.1	48.6	45.5	261.8	62.5	19.1	37.4	54.6	138.8	57.9
70-74	19.7	28.2	33.4	128.4	46.4	39.0	92.9	92.8	261.6	152.4	28.1	63.3	63.2	371.8	81.5	29.6	52.5	77.1	197.5	78.3
75-79	27.8	36.1	43.6	164.4	56.1	61.0	120.8	115.7	325.9	170.0	39.0	80.6	80.7	466.8	94.5	40.1	69.5	98.0	247.7	93.9
80-84	47.5	57.7	65.5	234.4	74.6	97.2	172.5	151.8	419.7	195.9	58.9	117.5	109.6	603.5	112.3	65.9	105.6	130.7	320.0	115.1
85+	100.4	126.8	136.7	444.2	135.5	182.6	337.0	279.1	734.0	316.0	138.6	258.2	215.7	1,083.4	186.8	110.3	218.5	243.3	569.1	195.3

Table H.10S.4

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years**

female CAPD/CCPD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	201.3	210.4	193.1	205.2	145.9	407.9	386.0	450.5	514.8	420.6	252.7	318.8	223.9	92.9	160.2	155.2	168.8	128.2	141.1	116.3
0-14	71.0	74.2	58.5	79.5	54.9	289.4	300.1	245.5	430.0	235.3	60.1	73.0	56.3	47.3	41.2	71.0	74.2	58.5	79.5	54.9
15-19	62.2	67.7	46.1	83.9	32.6	196.0	204.4	172.6	309.6	163.7	57.9	70.2	55.2	44.3	39.7	66.8	69.5	55.8	72.6	51.5
20-24	59.9	65.2	47.7	77.5	32.9	144.9	150.9	129.9	223.0	121.2	46.2	55.0	44.1	33.9	31.2	50.4	53.1	43.5	54.1	39.4
25-29	65.2	69.6	58.8	88.5	40.0	175.6	185.3	162.7	267.4	149.3	60.3	71.7	58.6	43.2	40.8	63.0	67.4	56.3	67.1	50.3
30-34	96.5	96.4	81.3	114.0	57.8	187.6	197.4	176.8	278.1	159.5	72.0	81.2	67.7	47.7	46.3	78.2	74.3	63.3	72.2	55.6
35-39	116.1	132.4	95.5	138.6	73.0	258.6	256.3	234.0	352.3	207.7	99.5	111.8	95.1	64.1	64.0	96.1	99.8	86.7	94.6	74.8
40-44	131.3	144.8	116.0	153.2	82.3	291.6	283.3	263.8	380.1	230.2	115.0	131.3	113.8	73.5	75.4	108.0	114.1	101.1	105.6	85.8
45-49	153.0	155.5	159.8	174.7	102.1	314.8	322.0	305.7	421.7	262.3	142.7	158.4	140.1	86.5	91.2	122.8	134.1	121.2	121.2	101.1
50-54	194.8	206.8	200.3	236.1	148.6	438.9	447.8	433.7	572.5	365.9	201.5	234.0	211.0	124.8	135.1	182.5	192.9	177.8	170.2	145.9
55-59	246.6	253.9	243.9	275.9	181.9	450.5	470.7	464.8	587.3	385.7	244.1	261.1	240.1	135.9	151.2	205.1	209.7	197.1	180.6	159.0
60-64	300.8	305.5	300.7	317.9	232.3	560.4	583.1	587.2	710.1	479.1	325.2	343.4	322.1	174.5	199.4	264.2	268.7	257.5	225.8	204.3
65-69	391.0	358.8	455.9	387.2	301.7	697.3	671.4	689.5	798.0	553.2	399.5	419.9	401.6	208.2	244.5	313.2	320.0	312.8	262.5	244.0
70-74	523.0	503.3	602.8	469.8	394.6	833.6	816.6	855.2	947.4	674.8	520.8	542.3	528.9	262.4	316.7	415.6	402.7	401.3	322.3	307.9
75-79	496.8	499.5	502.8	447.9	409.6	826.6	827.0	883.3	936.5	685.3	574.7	583.1	580.0	275.4	341.5	415.8	421.8	428.7	329.6	323.4
80-84	516.9	494.8	585.2	445.9	425.3	855.9	825.5	899.1	912.4	686.0	617.2	618.0	626.9	284.9	363.0	432.6	435.5	451.4	332.1	334.9
85+	719.4	674.0	791.1	553.6	563.7	937.9	904.6	1,004.8	975.9	753.9	751.7	719.1	743.8	323.6	423.5	499.5	493.6	521.8	367.5	380.7

**STANDARD ERRORS**

All	8.1	8.2	9.8	44.4	21.1	22.2	29.3	44.5	156.9	119.0	13.8	27.1	18.3	77.9	43.8	6.2	9.0	10.7	42.5	23.5
0-14	27.8	34.7	28.9	66.0	37.4	124.3	151.4	131.2	367.0	183.8	27.3	40.2	30.4	59.2	33.3	27.8	34.7	28.9	66.0	37.4
15-19	20.9	23.7	17.4	48.7	16.7	74.9	91.1	81.6	236.2	118.2	22.7	33.6	25.6	52.7	28.5	22.2	27.8	23.6	53.3	30.4
20-24	13.0	14.9	12.7	37.4	13.6	43.1	51.1	47.8	145.7	75.8	14.2	20.6	15.7	38.1	19.3	12.2	15.5	13.7	34.0	19.3
25-29	11.3	12.8	13.0	37.6	14.5	38.8	45.9	45.5	154.0	81.8	14.3	20.9	15.9	46.7	22.1	11.1	14.1	13.1	37.2	20.7
30-34	11.9	13.6	13.7	42.5	18.0	30.1	36.1	38.0	140.4	77.3	13.6	19.3	14.5	50.2	22.3	10.7	12.1	11.6	35.2	19.7
35-39	11.1	14.7	13.2	45.2	19.4	33.4	37.4	42.2	159.5	90.7	15.6	22.1	16.5	66.0	27.6	10.4	12.7	12.7	41.2	23.0
40-44	11.8	15.2	14.7	46.1	19.5	34.6	37.1	43.2	158.0	92.8	16.0	22.7	17.3	74.7	29.7	11.0	13.1	13.5	41.9	23.9
45-49	12.9	16.0	17.9	47.8	22.4	34.9	38.8	45.8	163.3	98.4	17.6	24.4	18.8	87.4	33.2	11.9	14.1	15.2	44.5	26.2
50-54	16.3	20.4	22.8	64.0	30.4	50.6	53.0	62.0	216.9	130.5	22.7	32.7	26.0	125.9	46.1	16.7	18.8	22.0	60.5	36.6
55-59	19.6	24.1	27.2	75.0	36.3	48.7	54.6	63.4	222.0	132.4	26.8	34.0	28.7	138.0	50.2	19.0	20.2	25.0	64.4	40.4
60-64	24.7	30.8	32.9	89.8	48.2	63.3	71.5	81.0	279.5	162.4	35.1	43.9	38.6	179.0	65.5	25.2	26.8	34.4	83.9	55.4
65-69	29.9	33.1	50.8	117.7	63.6	75.4	82.6	98.3	335.1	189.9	40.8	51.2	49.0	216.8	81.7	29.6	31.4	45.2	105.0	71.5
70-74	40.9	45.8	73.6	151.3	90.0	97.5	109.0	134.1	435.3	243.1	56.6	68.5	70.6	278.2	110.7	40.2	41.8	64.3	140.5	100.0
75-79	48.3	53.2	79.5	165.7	106.9	114.4	127.4	163.7	474.4	266.9	69.0	80.6	89.3	299.5	128.3	47.4	51.1	80.6	160.2	118.2
80-84	75.6	78.4	113.2	191.8	130.3	158.9	168.8	210.2	522.9	297.3	100.3	115.4	124.7	320.3	151.7	68.9	75.2	105.9	183.0	139.9
85+	143.1	140.1	196.4	273.9	211.9	223.7	247.2	307.5	637.3	380.0	171.0	190.4	208.7	379.5	209.3	110.2	123.6	160.2	233.5	191.2



Table H.11

**Death Rates: by Age Group***all patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

RATES	All																			
	Diabetes					Hypertension					Other									
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	34.7	34.5	38.1	35.2	24.9	58.2	56.4	69.6	60.7	60.6	41.8	41.3	43.7	42.9	33.9	25.2	25.8	25.7	20.3	16.4
0-14	5.2	4.9	7.4	2.9	2.8	25.1	23.8	31.0	12.0	15.3	7.6	6.1	9.7	5.3	4.6	5.2	4.9	7.4	2.9	2.8
15-19	9.2	8.8	10.8	5.1	4.3	31.5	29.7	36.0	15.1	20.2	12.8	10.1	15.6	9.2	7.8	8.8	8.1	12.1	5.1	4.8
20-24	5.1	5.0	6.3	3.1	2.6	16.6	16.5	19.5	8.8	11.5	7.0	6.0	8.9	5.7	4.7	5.0	4.8	7.0	3.2	2.9
25-29	9.0	8.6	11.4	5.9	5.0	20.0	20.0	23.3	11.6	14.8	9.4	7.8	11.6	8.0	6.4	6.9	6.5	9.1	4.5	4.0
30-34	12.6	12.8	12.6	8.7	7.0	24.5	24.8	26.5	14.4	17.9	11.2	9.8	13.7	10.5	8.2	8.5	8.2	11.0	6.0	5.2
35-39	16.5	17.1	16.6	10.9	8.3	29.9	30.1	31.1	18.0	21.7	13.5	12.0	16.8	13.9	10.6	10.7	10.4	13.8	7.9	6.6
40-44	25.6	26.2	25.2	19.5	14.7	43.1	43.2	46.4	29.0	33.8	23.0	20.6	26.4	23.6	17.5	17.3	16.8	21.6	13.7	11.3
45-49	30.6	30.7	33.4	25.3	19.4	52.7	52.6	52.5	35.3	40.9	27.5	23.6	33.0	30.7	22.1	20.8	20.5	25.7	17.8	14.2
50-54	42.5	42.0	47.1	44.2	29.8	73.2	74.4	71.6	53.6	60.4	43.9	39.2	48.3	49.3	34.3	30.7	30.5	38.2	29.1	22.2
55-59	49.0	46.9	59.3	47.5	39.8	80.6	83.4	80.5	62.5	69.1	49.2	44.4	56.4	61.6	42.3	38.1	37.6	45.6	36.3	28.1
60-64	63.1	62.1	70.3	64.7	51.8	102.2	106.2	100.7	86.5	91.5	68.0	63.0	74.0	89.3	60.5	54.2	54.1	61.2	53.4	39.6
STANDARD ERRORS	All																			
All	0.7	0.3	0.6	2.1	1.0	1.9	1.6	4.0	10.8	10.0	1.9	2.0	2.3	14.4	6.2	0.8	0.7	1.5	4.5	2.1
0-14	1.0	0.9	1.6	1.4	1.0	6.0	5.4	7.7	6.3	6.0	2.0	1.6	2.5	3.0	1.9	1.0	0.9	1.6	1.4	1.0
15-19	1.1	1.2	1.9	2.0	1.2	6.8	6.1	8.1	7.2	7.2	2.9	2.3	3.5	4.8	2.9	1.4	1.3	2.3	2.3	1.5
20-24	0.7	0.7	1.2	1.1	0.7	3.5	3.3	4.2	3.8	3.8	1.5	1.3	1.9	2.7	1.6	0.9	0.8	1.3	1.3	0.8
25-29	0.7	0.7	1.4	1.7	1.1	2.6	2.5	3.4	4.2	4.0	1.4	1.2	1.7	3.3	1.8	0.7	0.7	1.2	1.5	0.9
30-34	0.6	0.7	1.3	2.2	1.3	2.0	1.9	3.0	4.5	4.1	1.3	1.2	1.6	4.0	2.0	0.7	0.7	1.2	1.8	1.0
35-39	0.6	0.7	1.4	2.3	1.3	1.8	1.7	3.1	4.8	4.4	1.3	1.2	1.7	4.8	2.3	0.7	0.7	1.3	2.1	1.1
40-44	0.8	0.9	1.6	3.5	1.9	2.1	2.1	4.1	6.6	6.1	1.8	1.8	2.2	7.5	3.4	0.9	0.9	1.7	3.1	1.6
45-49	0.8	0.9	1.8	3.9	2.3	2.4	2.3	4.1	6.9	6.6	1.9	1.8	2.4	9.1	3.9	1.0	1.0	1.9	3.6	1.8
50-54	1.1	1.2	2.4	5.7	3.2	3.2	3.3	5.1	9.0	9.2	2.6	2.7	3.2	14.0	5.7	1.4	1.3	2.7	5.6	2.7
55-59	1.3	1.4	2.9	6.1	4.1	3.8	4.2	5.7	9.8	10.3	2.9	3.0	3.9	17.4	6.8	1.7	1.7	3.5	7.1	3.5
60-64	1.7	1.9	3.6	8.8	5.5	5.0	5.6	7.2	14.0	13.9	4.0	4.1	5.2	26.0	10.0	2.4	2.4	4.8	11.2	5.3

Table H.11S 1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year***all patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

RATES	All																			
	Diabetes					Hypertension					Other									
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	10.8	11.2	11.4	18.4	1.5	18.7	19.8	14.6	0.0	0.0	12.8	13.3	13.0	100.7	0.0	6.8	6.6	11.2	17.0	3.1
0-14	4.5	5.8	0.9	0.4	0.0	32.9	52.1	7.7	0.4	0.0	22.3	21.4	6.3	46.4	0.0	4.5	5.8	0.9	0.4	0.0
15-19	4.2	4.8	2.9	0.8	0.0	26.0	35.3	8.4	0.0	0.0	19.6	19.0	7.1	82.7	0.0	4.6	2.8	1.7	1.0	0.0
20-24	1.3	1.4	1.1	0.4	0.0	5.4	16.4	1.1	0.0	0.0	3.9	2.2	1.0	12.0	0.0	1.1	0.3	0.4	0.2	0.0
25-29	6.5	7.4	5.0	2.3	0.0	11.6	8.5	14.8	0.0	0.0	7.9	3.6	2.0	26.0	0.0	2.6	4.8	1.2	0.9	0.0
30-34	6.6	5.3	17.9	5.1	0.0	7.2	4.8	2.6	0.0	0.0	4.7	10.0	2.4	65.2	0.0	1.8	1.8	18.3	1.7	0.0
35-39	6.1	6.3	7.3	6.5	0.0	10.9	13.7	1.9	0.0	0.0	6.9	2.4	2.2	739.2	0.0	3.1	0.5	22.7	2.8	0.0
40-44	6.9	7.0	5.4	5.6	0.0	11.5	8.5	1.8	0.0	0.0	6.9	1.9	1.6	79.3	0.0	3.6	6.0	9.7	3.1	0.0
45-49	12.3	13.1	11.9	13.9	0.2	19.8	27.9	2.3	0.0	0.0	11.4	2.0	2.2	141.9	0.0	7.0	4.0	24.4	6.9	0.2
50-54	18.1	18.7	21.6	28.7	0.9	34.2	34.3	64.6	0.0	0.0	18.8	15.8	36.9	285.4	0.0	13.5	12.8	5.0	30.4	1.3
55-59	12.5	13.1	12.1	32.5	1.6	17.5	17.1	14.2	0.0	0.0	9.2	7.8	2.8	100.1	0.0	7.8	9.8	4.6	19.3	1.5
60-64	32.6	34.2	30.6	82.3	12.2	51.9	78.6	6.4	0.0	0.0	26.1	7.5	70.2	1465.8	0.0	25.7	21.2	67.7	131.2	48.1
STANDARD ERRORS	All																			
All	1.9	1.6	2.8	13.4	2.1	2.3	4.0	7.7	0.0	0.0	2.8	5.5	8.4	149.6	0.0	0.9	1.5	4.5	20.7	4.6
0-14	2.4	2.1	1.1	1.4	0.0	29.2	102.1	17.2	1.4	0.0	27.9	46.7	15.0	142.7	0.0	2.4	2.1	1.1	1.4	0.0
15-19	2.9	2.3	2.5	2.1	0.0	22.3	47.9	15.1	0.0	0.0	21.0	90.4	12.1	215.0	0.0	2.7	1.4	2.1	3.0	0.0
20-24	1.6	1.2	1.2	0.9	0.0	6.3	11.2	2.1	0.0	0.0	5.2	3.9	2.0	30.4	0.0	1.2	0.4	0.8	0.6	0.0
25-29	3.0	2.4	3.1	4.6	0.0	6.5	4.0	13.7	0.0	0.0	6.4	4.4	3.0	39.5	0.0	1.6	2.0	1.6	2.2	0.0
30-34	2.6	1.7	7.3	8.6	0.1	3.6	2.1	3.6	0.0	0.0	3.4	7.5	3.5	132.6	0.0	1.0	1.1	9.9	4.1	0.0
35-39	2.3	1.7	3.6	9.3	0.1	3.7	4.2	2.3	0.0	0.0	3.8	2.6	3.0	851.6	0.0	1.3	0.5	11.7	5.9	0.1
40-44	2.5	1.8	2.9	6.7	0.2	2.9	2.8	2.4	0.0	0.0	3.0	2.1	2.2	148.5	0.0	1.1	2.0	5.6	5.7	0.2
45-49	3.5	2.6	4.9	12.7	0.7	3.9	1.7	2.7	0.0	0.0	4.0	2.2	2.8	263.3	0.0	1.6	1.2	8.6	11.2	0.6
50-54	4.6	3.5	7.6	22.6	2.1	6.1	20.8	0.0	0.0	0.0	4.7	8.1	18.5	364.6	0.0	2.7	4.3	43.4	3.1	0.0
55-59	4.1	3.1	5.8	25.0	2.6	6.3	4.8	9.2	0.0	0.0	4.3	5.8	4.0	119.2	0.0	2.8	2.5	4.8	28.3	2.8
60-64	8.5	6.6	12.0	66.4	13.5	13.0	13.7	6.4	0.0	0.0	10.3	4.7	32.0	3,130.9	0.0	6.2	4.6	28.1	185.5	18.3

Table H.11S2

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years**

*all patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	18.1	19.1	16.4	21.9	10.1	29.7	29.1	36.8	22.3	20.1	22.6	25.1	18.0	219.7	12.1	13.9	15.1	8.5	0.0	11.9
0-14	13.1	14.2	9.1	0.0	2.6	93.7	81.6	78.8	2.3	9.1	28.3	31.4	25.9	22.6	2.8	13.1	14.2	9.1	0.0	2.6
15-19	7.1	7.4	8.7	0.3	1.3	21.3	20.9	21.7	1.0	2.5	8.2	10.2	8.5	10.5	1.1	4.0	4.6	3.5	0.0	1.1
20-24	8.3	8.6	9.9	0.6	1.7	37.2	34.1	38.5	2.4	5.2	15.6	18.3	15.8	27.2	2.6	8.2	9.6	6.4	0.0	2.6
25-29	2.6	2.9	2.5	0.3	0.6	6.2	5.8	6.4	0.6	1.1	2.8	3.3	2.9	7.0	0.6	1.6	1.9	1.2	0.0	0.6
30-34	14.2	17.6	3.9	1.3	2.1	28.8	30.2	27.5	3.8	6.0	14.4	17.1	13.1	46.8	3.3	8.6	8.8	6.1	0.0	3.9
35-39	8.9	10.6	4.2	1.6	2.0	15.9	17.3	15.0	2.9	4.0	8.7	8.8	7.6	38.1	2.3	5.5	5.4	3.8	0.0	2.9
40-44	16.5	19.9	7.2	4.9	6.0	25.3	26.4	25.5	7.1	8.4	15.1	18.2	14.7	98.2	5.2	10.1	10.4	7.2	0.0	7.2
45-49	16.2	14.1	27.1	22.6	11.6	27.2	25.3	37.0	12.7	12.3	17.8	19.3	18.6	176.8	8.4	12.7	14.4	10.7	0.0	11.4
50-54	25.4	27.3	23.1	15.9	11.2	37.8	38.3	40.9	20.9	19.3	27.0	28.0	22.9	325.3	13.0	20.5	21.7	15.0	0.0	19.6
55-59	28.6	27.6	30.9	46.4	20.1	38.8	35.0	45.1	30.4	24.0	30.3	31.1	24.9	508.2	17.3	24.4	25.6	16.1	0.0	28.6
60-64	38	34.9	51.6	60	37.1	49.6	45.2	60.5	58.3	39.3	42.3	41.8	39.2	1042.7	30.5	36.2	39	26.9	0	56.9

**STANDARD ERRORS**

All	1.9	1.5	2.3	10.1	4.0	3.2	3.5	8.6	19.1	19.2	4.1	5.6	6.2	171.1	13.3	1.6	1.9	3.0	0.0	6.9
0-14	5.2	5.3	5.9	0.0	4.9	63.1	58.1	70.8	7.1	20.2	26.2	30.7	26.3	71.2	6.9	5.2	5.3	5.9	0.0	4.9
15-19	2.6	3.0	5.2	0.9	2.0	20.0	19.3	22.5	2.9	5.5	8.6	10.7	9.2	30.6	2.6	3.2	3.3	3.1	0.0	2.0
20-24	2.5	2.9	5.0	1.4	2.4	21.4	20.1	28.0	6.1	10.1	11.2	13.6	12.4	68.9	5.1	4.0	4.4	4.1	0.0	4.1
25-29	1.1	1.3	1.7	0.6	0.8	4.7	4.2	5.3	1.3	2.0	2.5	2.9	2.6	15.9	1.1	1.2	1.4	1.0	0.0	0.9
30-34	2.4	3.1	2.2	2.2	2.2	8.1	7.6	13.6	7.0	9.2	7.0	8.9	7.8	89.4	5.4	3.0	3.2	3.3	0.0	4.4
35-39	1.7	2.1	2.2	2.4	2.0	4.9	5.0	7.2	4.6	5.5	3.9	4.5	4.3	63.4	3.5	1.9	2.1	2.1	0.0	2.9
40-44	2.3	2.8	3.0	5.6	4.4	6.7	6.6	11.0	9.5	10.5	5.6	7.8	7.2	135.0	7.1	2.9	3.3	3.6	0.0	5.9
45-49	2.3	2.2	6.4	16.8	7.1	6.0	6.1	14.0	14.4	14.0	5.3	7.4	8.3	206.3	10.6	3.0	3.8	5.1	0.0	8.2
50-54	3.1	3.3	6.3	11.3	7.0	8.0	9.1	14.1	20.4	20.6	7.6	9.9	10.6	314.1	15.7	4.5	5.3	7.2	0.0	13.1
55-59	3.7	3.8	8.2	31.3	11.3	8.3	9.9	16.3	28.9	24.7	8.5	11.4	12.1	466.4	20.7	5.3	6.6	8.4	0.0	20.1
60-64	4.9	5.0	11.7	38.9	20.6	12.9	12.4	21.4	57.5	41.6	13.5	14.3	19.3	970.1	37.0	9.3	9.3	14.4	0.0	43.6

Table H.11S3

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years**

*all patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	25.8	25.9	26.5	27.2	20.3	39.0	38.2	44.2	25.5	46.6	32.0	31.9	30.9	35.4	42.1	16.4	16.6	17.7	31.5	7.9
0-14	2.3	2.0	3.6	6.2	1.8	8.5	8.0	11.1	10.6	11.0	2.7	1.9	3.1	4.5	5.0	2.3	2.0	3.6	6.2	1.8
15-19	10.1	8.7	10.9	17.5	9.4	24.9	20.8	25.2	14.7	29.9	11.6	7.0	11.3	16.1	17.6	9.3	7.2	12.3	21.1	5.9
20-24	3.5	3.5	4.0	5.8	3.2	9.0	8.6	10.1	5.8	11.7	4.4	3.1	4.9	6.9	7.4	3.5	3.1	5.1	8.6	2.4
25-29	8.0	7.5	9.8	12.7	7.9	16.0	15.5	17.7	10.0	19.8	8.3	6.0	9.2	12.8	13.5	6.4	5.7	9.2	15.4	4.2
30-34	11.3	11.7	10.7	16.6	9.7	18.1	17.9	19.8	11.1	21.7	9.9	7.6	11.1	15.3	15.9	7.4	6.9	10.7	17.6	4.8
35-39	14.9	15.9	12.3	16.9	10.7	22.6	22.7	24.3	13.5	25.8	13.0	10.3	14.7	19.9	20.5	9.6	9.0	13.5	22.1	5.9
40-44	21.5	21.0	22.1	24.4	17.3	31.2	31.1	32.2	17.6	33.3	19.0	15.2	21.0	28.1	28.5	13.6	12.7	18.6	29.9	7.8
45-49	20.7	19.3	26.2	24.5	18.4	30.6	31.0	31.2	16.8	31.3	19.7	16.4	21.9	29.0	28.9	13.8	13.1	18.6	29.6	7.6
50-54	30.4	30.2	31.4	31.8	24.9	44.7	45.3	44.1	23.5	43.1	30.3	25.8	33.5	43.6	42.9	20.8	19.8	27.2	42.7	10.9
55-59	38.5	37.4	44.5	33.5	34.4	55.5	57.7	54.5	28.7	51.8	39.8	35.4	44.6	57.4	55.6	26.6	26.1	34.8	53.9	13.5
60-64	47.9	48.6	50.5	34.8	29.4	70.3	73.5	67.2	34.9	62.2	53.2	48.6	59.3	75.3	71.9	34.7	34.4	44.4	67.9	16.8

**STANDARD ERRORS**

All	1.1	0.6	0.9	3.6	1.8	2.6	2.1	4.7	10.3	13.7	2.9	2.9	3.2	24.2	10.9	1.2	1.0	2.2	10.6	2.6
0-14	1.8	1.6	3.0	9.0	2.1	7.2	7.0	10.2	16.5	14.9	2.5	1.8	3.0	8.2	6.8	1.8	1.6	3.0	9.0	2.1
15-19	2.5	2.1	3.3	11.7	4.6	13.3	12.0	16.2	21.0	33.4	6.7	4.8	7.3	25.3	18.9	4.1	3.5	6.5	24.8	5.6
20-24	1.2	1.1	1.4	3.7	1.6	5.5	5.5	6.9	7.8	12.5	2.8	2.2	3.3	10.3	7.6	2.0	1.8	3.2	9.6	2.2
25-29	1.4	1.3	2.1	6.5	3.0	5.2	5.4	7.4	11.2	16.8	3.2	2.8	3.9	16.9	10.9	2.0	1.9	3.4	13.8	3.1
30-34	1.3	1.3	2.0	7.3	3.1	4.1	4.2	6.4	10.8	15.7	3.0	2.8	3.8	18.6	10.9	1.8	1.8	3.3	13.5	3.0
35-39	1.4	1.4	2.1	6.5	3.0	4.1	3.3	6.1	11.3	16.1	3.2	2.9	3.8	22.7	11.8	1.9	1.6	3.3	14.3	3.3
40-44	1.7	1.6	2.9	7.8	4.2	5.1	3.9	7.1	13.1	18.4	3.9	3.6	4.5	30.5	14.2	2.4	1.9	4.0	17.0	4.1
45-49	1.6	1.5	3.1	6.9	4.1	4.8	4.9	6.9	11.4	15.9	3.7	3.7	4.7	30.7	13.1	2.3	2.2	4.3	15.8	3.9
50-54	2.1	2.0	3.5	8.3	5.3	6.2	7.8	9.8	15.0	20.7	4.8	5.6	7.2	45.9	18.3	3.0	3.5	6.7	23.4	5.8
55-59	2.6	2.5	4.8	9.6	7.3	7.9	7.0	17.5	22.8	6.3	3.8	5.7	60.9	21.5	4.0	0.1	6.6	30.5	7.3	
60-64	3.3	3.3	5.8	11.5	7.0	10.1	8.5	12.3	22.8	29.3	8.5	7.4	10.9	83.7	31.0	5.2	4.1	10.7	44.8	10.1



Table H.11S4

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years***all patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	41.3	40.6	47.2	39.8	29.3	77.3	74.1	96.2	94.5	75.9	48.5	48.1	51.5	37.0	31.9	30.0	30.6	30.7	17.7	20.4
0-14	4.7	4.4	7.8	1.9	2.4	26.9	25.3	39.2	13.1	15.3	7.1	5.5	10.2	3.4	3.1	4.7	4.4	7.8	1.9	2.4
15-19	9.4	9.3	12.1	3.9	3.5	43.0	41.1	58.8	23.0	26.1	14.5	11.5	20.5	7.5	6.8	9.9	9.5	15.4	4.3	5.3
20-24	5.8	5.7	7.7	2.7	2.5	22.9	22.5	30.6	13.3	14.7	8.2	6.8	11.3	4.6	4.1	5.7	5.4	8.8	2.7	3.2
25-29	10.3	9.9	13.6	5.3	4.7	29.3	28.6	37.2	18.0	19.6	11.5	9.3	15.2	6.7	5.8	8.2	7.7	11.7	3.9	4.6
30-34	13.2	13.1	14.3	7.2	6.3	31.6	31.7	36.6	19.9	21.3	12.1	10.4	15.6	8.0	6.8	9.1	8.7	12.4	4.6	5.4
35-39	18.3	18.5	20.9	10.6	8.7	36.3	36.2	42.1	24.8	26.1	14.8	12.8	19.4	10.6	8.8	12.0	11.7	15.4	6.2	7.0
40-44	28.7	29.4	29.6	19.2	15.1	53.9	53.7	62.7	40.2	40.6	24.6	22.2	29.5	18.2	14.9	19.2	18.9	23.4	11.0	12.1
45-49	36.3	37.1	37.6	25.7	20.8	70.4	70.0	71.3	50.4	51.5	31.0	27.4	36.6	24.8	19.6	23.6	23.4	28.6	14.7	15.8
50-54	49.9	49.0	57.4	49.2	34.2	96.3	97.5	96.4	80.5	78.0	52.1	46.9	57.2	41.3	32.0	35.6	35.6	43.1	24.8	26.0
55-59	56.9	54.5	69.3	54.1	44.1	113.0	118.0	108.2	90.8	89.0	55.3	51.1	64.2	51.4	39.3	43.2	42.6	50.6	31.3	33.5
60-64	72.4	70.8	81	78.3	64.3	139.6	144.1	133.7	128.1	122.6	77.9	77.3	80.1	75.9	59.4	62.1	62.4	68.8	46.9	47.6
	STANDARD ERRORS																			
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
	All	0.9	0.6	1.1	3.5	1.8	3.0	2.4	6.4	18.0	14.3	2.6	2.7	3.0	15.0	7.4	1.0	0.9	1.9	4.8
0-14	1.4	1.3	2.5	1.2	1.1	9.4	8.5	14.0	8.7	7.6	2.6	2.0	3.7	2.5	1.7	1.4	1.3	2.5	1.2	1.1
15-19	1.8	1.8	3.0	1.9	1.3	12.0	10.8	16.9	13.5	11.1	4.2	3.3	5.8	4.8	3.1	2.2	2.0	3.8	2.3	2.0
20-24	1.1	1.1	1.8	1.2	0.8	6.2	5.8	8.5	7.1	5.8	2.3	1.9	3.1	2.7	1.7	1.3	1.2	2.2	1.3	1.1
25-29	1.0	1.0	2.0	1.9	1.2	5.0	4.6	7.0	8.0	6.2	2.1	1.7	2.8	3.5	2.0	1.0	1.0	1.8	1.6	1.3
30-34	0.9	0.9	1.7	2.2	1.4	3.2	3.2	5.2	7.6	5.7	1.7	1.5	2.3	3.7	2.1	0.8	0.8	1.6	1.7	1.2
35-39	0.9	0.9	2.0	2.7	1.6	2.4	2.6	5.2	8.1	6.1	1.7	1.6	2.4	4.5	2.4	0.8	0.9	1.7	2.0	1.4
40-44	1.0	1.1	2.2	4.1	2.3	2.4	2.9	6.7	11.1	8.4	2.1	2.3	2.9	7.1	3.6	0.9	1.1	2.2	3.1	2.0
45-49	1.2	1.3	2.4	4.7	2.8	2.9	3.6	6.8	11.7	9.7	2.3	2.6	3.2	9.0	4.4	1.1	1.3	2.5	3.7	2.3
50-54	1.5	1.7	3.3	7.5	4.0	4.4	5.1	8.5	15.7	13.7	3.3	3.8	4.5	14.3	6.8	1.5	1.8	3.6	5.9	3.5
55-59	1.8	2.0	4.0	7.6	5.1	5.9	6.9	9.1	15.7	15.3	3.7	4.1	5.0	17.6	8.1	2.0	2.2	4.4	7.4	4.5
60-64	2.3	2.5	4.8	11.5	7.5	7.6	9.0	11.3	22.4	21.8	5.0	6.0	6.5	26.6	12.3	2.8	3.2	6.2	11.8	6.9

Table H.12

**Death Rates: by Age Group***male patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	36.8	36.9	38.7	33.5	30.2	59.3	58.2	66.6	55.8	67.1	44.8	45.2	45.1	43.6	40.2	27.0	27.8	25.8	19.8	19.4
0-14	5.1	4.7	6.9	2.6	3.1	23.6	21.5	26.7	9.8	15.5	8.1	6.2	9.5	5.1	5.3	5.1	4.7	6.9	2.6	3.1
15-19	8.8	8.6	8.9	4.0	4.3	29.5	26.6	30.5	12.1	20.1	13.5	10.4	15.4	8.9	9.0	8.7	8.0	11.3	4.6	5.3
20-24	4.9	5.0	5.2	2.6	2.6	15.6	14.9	16.6	7.2	11.5	7.4	6.1	8.9	5.6	5.4	5.0	4.8	6.6	2.9	3.2
25-29	8.8	8.5	9.5	5.0	5.1	19.2	17.9	20.2	9.5	14.7	9.9	8.0	11.7	7.8	7.4	6.7	6.3	8.7	4.1	4.4
30-34	12.6	12.3	12.6	7.6	7.5	22.8	22.0	23.4	12.0	18.0	11.9	10.2	13.7	10.4	9.5	8.5	8.5	10.3	5.6	5.7
35-39	16.7	17.3	16.4	10.7	10.4	28.6	29.0	27.5	15.3	22.0	14.7	12.4	17.0	13.9	12.3	11.1	11.2	13.1	7.5	7.4
40-44	26.4	27.4	26.1	18.0	17.3	42.5	43.1	41.5	25.0	34.3	24.3	22.2	27.1	23.7	20.0	18.3	18.6	21.1	13.0	12.8
45-49	31.5	31.7	33.0	24.3	23.0	52.5	54.3	48.3	31.3	42.5	28.8	24.6	33.3	31.6	25.7	21.8	20.9	26.8	17.3	16.3
50-54	44.3	44.0	47.0	38.7	34.2	70.5	71.9	66.8	48.4	61.8	45.6	43.8	49.6	50.6	40.1	33.6	33.0	39.3	29.2	25.4
55-59	51.7	50.5	58.3	47.0	44.6	79.1	82.6	76.4	55.8	72.7	53.1	49.1	59.9	64.6	49.5	41.7	40.9	48.4	36.4	32.7
60-64	67.7	67.9	72.1	66.6	60.3	106.2	109.1	100.3	79.6	97.8	72.5	68.1	78.7	94.3	72	58.9	60.1	62.9	54.9	45.3
	STANDARD ERRORS																			
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
	All	0.6	0.6	1.1	4.0	2.2	2.0	2.1	4.8	13.1	12.7	2.0	2.6	2.8	16.3	8.2	0.8	0.9	1.9	5.2
0-14	1.1	1.0	1.6	1.3	1.1	5.6	5.2	7.1	5.4	6.4	2.1	1.7	2.6	3.0	2.3	1.1	1.0	1.6	1.3	1.1
15-19	1.1	1.3	1.6	1.6	1.2	6.3	5.9	7.4	6.2	7.6	3.0	2.5	3.7	4.9	3.5	1.5	1.4	2.3	2.2	1.8
20-24	0.7	0.8	0.9	0.9	0.7	3.3	3.2	3.9	3.3	4.0	1.6	1.4	2.0	2.8	1.9	0.9	0.9	1.4	1.3	1.0
25-29	0.7	0.8	1.1	1.5	1.1	2.6	2.6	3.4	3.8	4.3	1.5	1.4	1.9	3.5	2.2	0.8	0.8	1.3	1.5	1.1
30-34	0.7	0.8	1.2	2.0	1.4	2.1	2.2	3.2	4.2	4.6	1.4	1.4	1.9	4.2	2.5	0.8	0.8	1.3	1.8	1.3
35-39	0.7	0.9	1.4	2.4	1.6	2.0	2.1	3.4	4.6	5.0	1.4	1.5	2.0	5.1	2.9	0.8	0.9	1.5	2.2	1.4
40-44	0.8	1.1	1.8	3.5	2.3	2.5	2.5	4.5	6.6	6.9	2.0	2.3	2.7	8.1	4.3	1.1	1.2	2.1	3.3	2.2
45-49	0.9	1.2	2.0	4.0	2.7	2.8	2.9	4.8	7.4	7.9	2.1	2.3	2.9	10.2	5.1	1.2	1.3	2.5	4.0	2.6
50-54	1.2	1.6	2.7	5.7	3.6	3.7	3.8	6.1	10.1	10.7	2.9	3.6	3.9	15.7	7.4	1.7	1.7	3.5	6.5	3.8
55-59	1.4	1.9	3.3	6.7	4.5	4.2	4.9	6.7	11.2	12.2	3.4	4.0	4.9	20.0	8.9	2.1	2.2	4.6	8.2	4.8
60-64	1.9	2.5	4.2	10.2	6.3	5.7	7.0	9.0	16.4	16.6	4.4	5.3	6.6	30.1	13.1	2.9	3.2	6.1	13.0	7.0

Table H.12S 1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year**

male patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

RATES	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
	All	10.5	11.4	8.4	22.4	2.8	16.5	18.5	5.3	0.0	0.0	12.9	15.6	8.9	100.7	0.0	6.2	6.4	5.0	30.8
0-14	3.2	3.8	0.4	1.3	0.0	26.6	23.8	1.1	1.3	0.0	27.3	17.3	3.4	46.4	0.0	3.2	3.8	0.4	1.3	0.0
15-19	4.0	4.6	3.6	0.9	0.0	24.1	16.1	0.8	0.0	0.0	54.2	261.5	4.2	82.7	0.0	3.2	2.1	0.7	2.3	0.0
20-24	1.2	1.3	1.1	0.4	0.0	3.9	1.5	0.1	0.0	0.0	4.1	1.7	0.5	12	0.0	0.7	0.2	0.1	0.4	0.0
25-29	6.2	6.4	5.4	2.6	0.0	6.0	1.6	0.3	0.0	0.0	6.9	2.9	1.3	26	0.0	1.8	2.0	0.4	1.6	0.0
30-34	6.3	6.3	8.1	4.1	0.0	3.8	0.9	0.2	0.0	0.0	6.1	14.8	1.3	65.2	0.0	1.7	2.6	0.5	2.2	0.0
35-39	5.9	7.0	4.9	4.6	0.0	14.3	20.4	0.3	0.0	0.0	5.4	2.1	1.3	739.2	0.0	1.6	0.4	0.7	3.4	0.0
40-44	6.6	7.2	5.1	6.4	0.1	7.5	7.3	0.3	0.0	0.0	5.8	2.0	1.6	79.3	0.0	6.0	9.8	6.1	4.8	0.1
45-49	11.8	12.0	10.8	17.1	0.5	19.4	24.7	0.5	0.0	0.0	8.3	2.5	2.4	141.9	0.0	5.7	1.6	40.8	11.1	0.3
50-54	17.6	20.7	13.3	32.9	1.8	25.4	29.1	1.1	0.0	0.0	19.1	12.4	35.3	285.4	0.0	16.4	21.2	2.7	29.1	1.7
55-59	12.1	11.3	9.9	34.4	3.1	8.6	5.4	0.6	0.0	0.0	10.0	13.6	3.4	100.1	0.0	7.5	9.1	2.3	37.9	2.3
60-64	31.7	35.6	22.5	103.8	19.3	60.4	93.1	2	0	0	23.7	11.7	53.5	1465.8	0	19	17.4	6.8	117.8	53.1

  

STANDARD ERRORS	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	1.6	1.5	2.5	15.9	3.2	3.0	3.5	3.3	0.0	0.0	4.1	5.5	5.7	149.6	0.0	1.2	1.4	2.5	29.1	6.7
0-14	1.7	1.5	0.7	4.3	0.0	30.4	45.6	2.3	4.3	0.0	35.9	37.9	8.3	142.7	0.0	1.7	1.5	0.7	4.3	0.0
15-19	2.6	2.9	3.1	2.9	0.0	25.3	26.3	1.8	0.0	0.0	51.3	110.6	8.5	215	0.0	2.1	1.3	1.2	7.1	0.0
20-24	1.4	1.4	1.4	1.2	0.0	4.7	2.6	0.2	0.0	0.0	5.3	3.2	1.0	30.4	0.0	0.8	0.4	0.2	1.1	0.0
25-29	2.7	3.0	3.6	6.5	0.1	4.3	1.7	0.6	0.0	0.0	6.0	3.9	2.2	39.5	0.0	1.3	1.3	0.7	4.1	0.0
30-34	2.4	2.6	4.9	8.7	0.2	2.3	0.9	0.5	0.0	0.0	5.0	10.5	2.1	132.6	0.0	1.1	1.4	0.8	5.5	0.1
35-39	1.9	2.3	2.7	8.1	0.3	4.3	3.9	0.5	0.0	0.0	4.0	2.5	2.0	851.6	0.0	1.0	0.5	1.1	7.4	0.2
40-44	2.1	2.4	2.7	9.1	0.5	3.1	2.5	0.6	0.0	0.0	4.0	2.3	2.4	148.5	0.0	2.4	2.6	4.6	8.6	0.4
45-49	3.0	3.4	5.1	19.4	2.0	6.3	5.2	0.9	0.0	0.0	5.5	2.9	3.4	263.3	0.0	2.5	1.0	14.7	19.2	1.0
50-54	4.1	4.7	6.3	30.5	4.9	7.3	6.2	1.9	0.0	0.0	10.0	7.6	20.3	364.6	0.0	4.5	4.1	3.3	41.6	.
55-59	3.7	3.5	5.2	32.0	5.6	4.3	2.8	1.1	0.0	0.0	6.8	9.0	5.0	119.2	0.0	3.6	3.0	3.1	74.1	.
60-64	6.9	9.3	11.9	101.0	25.6	17.9	17.8	3.2	0.0	0.0	12.2	6.8	30.1	3130.9	0.0	6.7	4.8	8.2	169.9	.

Table H.12S 2

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years**

male patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

RATES	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
	All	16.6	17.4	14.9	38.0	9.8	28.9	28.6	33.0	36.7	22.8	20.9	22.8	15.1	567.3	12.2	11.6	12.8	6.5	0.0
0-14	6.9	5.3	6.1	0.0	1.0	57.6	35.3	41.7	6.8	4.3	17.2	12.4	15.3	50.6	1.3	6.9	5.3	6.1	0.0	1.0
15-19	4.7	5.3	3.1	0.3	0.6	15.0	14.1	16.0	3.9	1.9	5.5	6.1	7.1	30.8	0.8	2.4	2.8	1.8	0.0	0.7
20-24	5.6	7.1	4.3	0.6	0.9	26.5	15.1	20.2	7.0	3.6	10.6	9.1	16.8	60.1	1.7	4.9	9.2	2.8	0.0	1.4
25-29	1.9	2.1	1.5	0.3	0.3	4.5	3.1	4.2	1.7	0.9	2.0	2.0	6.4	15.3	0.4	1.0	1.9	0.7	0.0	0.4
30-34	10.7	13.2	6.2	2.3	2.0	22.8	28.9	11.7	7.9	4.3	10.8	23.2	7.4	77.6	2.3	5.8	3.8	2.7	0.0	2.1
35-39	7.3	7.5	5.3	2.7	1.8	13.6	17.1	5.8	4.2	2.4	7.1	3.5	3.6	46.0	1.4	4.1	2.6	1.5	0.0	1.4
40-44	14.1	17.2	8.2	8.2	4.2	22.8	19.8	11.0	12.1	7.4	12.9	37.4	6.7	110.8	4.6	8.0	8.1	3.3	0.0	4.3
45-49	14.4	13.6	18.6	22.4	8.1	25.6	15.6	74.4	89.9	16.2	15.7	12.8	14.1	347.5	31.6	10.5	13.8	15.4	0.0	10.9
50-54	23.8	22.3	23.1	33.9	12.0	37.5	34.7	29.6	20.9	37.8	25.1	9.0	11.6	316.7	12.7	17.9	18.4	23.7	0.0	13.3
55-59	27.9	29.0	32.5	82.4	19.2	39.9	41.1	57.5	31.3	35.2	29.0	47.5	13.5	491.8	15.1	22.3	20.3	7.1	0.0	34.5
60-64	38.6	36.3	40.1	149.8	28.1	53.4	47.6	17.2	46	39.4	42.4	12.6	50.7	1075.1	34.5	35.1	45.7	42.6	0	34.8

  

STANDARD ERRORS	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	2.4	1.7	2.9	18.4	5.7	4.4	3.8	9.0	28.8	21.5	5.3	5.5	5.5	405.2	12.9	2.0	1.9	2.4	0.0	8.2
0-14	3.4	2.7	4.7	0.0	1.9	40.6	42.6	53.5	21.2	9.4	15.9	17.2	21.0	175.1	3.0	3.4	2.7	4.7	0.0	1.9
15-19	2.1	2.7	2.1	0.8	1.0	13.5	18.2	21.2	10.9	4.1	5.6	7.9	9.1	97.5	1.8	1.9	2.1	1.9	0.0	1.2
20-24	2.2	3.0	2.5	1.3	1.3	15.7	13.4	20.8	17.3	6.8	7.7	9.5	14.8	168.8	3.1	2.6	3.8	2.6	0.0	2.3
25-29	1.0	1.2	1.1	0.6	0.5	3.3	2.8	4.7	3.7	1.6	1.7	2.1	6.4	39.0	0.8	0.7	1.4	0.8	0.0	0.6
30-34	2.2	3.3	2.9	4.0	2.3	7.9	8.1	10.3	15.0	6.9	5.7	14.0	6.8	172.7	3.5	2.4	2.2	2.6	0.0	3.0
35-39	1.6	2.5	2.6	3.9	1.8	4.3	4.5	5.2	6.9	3.6	3.2	3.1	3.3	90.3	2.1	1.5	1.6	1.5	0.0	1.8
40-44	2.4	4.2	3.5	9.3	3.6	6.2	5.3	8.9	16.5	9.9	5.0	15.7	5.3	151.8	6.2	2.4	3.3	2.9	0.0	4.9
45-49	2.5	.	4.4	18.2	5.6	5.8	5.1	31.4	71.9	19.7	5.0	7.6	8.8	519.6	36.0	2.6	4.1	10.1	0.0	11.4
50-54	3.3	3.6	6.8	20.5	7.9	7.1	7.4	14.3	19.4	41.3	7.0	5.8	8.7	350.7	15.0	3.8	4.6	13.9	0.0	13.0
55-59	4.3	3.4	9.3	47.9	11.5	8.7	9.3	21.6	35.6	33.6	8.5	16.0	10.9	631.9	17.3	5.2	5.4	6.4	0.0	31.9
60-64	5.7	.	4.9	73.3	16.4	16.4	12.6	11.7	46.1	42.1	15.4	7.6	28.4	1,389.6	40.4	10.9	8.4	25.1	0.0	31.9

Table H.1253

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years**

male patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	27.3	27.5	26.5	25.5	26.1	39.7	38.8	43.5	22.4	53.9	33.6	33.5	31.7	33.8	50.6	17.7	17.8	18.6	30.2	10.0
0-14	2.3	2.0	3.6	5.5	2.2	8.1	7.6	10.5	8.9	12.4	2.7	1.9	3.1	4.0	6.0	2.3	2.0	3.6	5.5	2.2
15-19	10.4	8.9	9.5	13.8	10.1	23.4	19.3	23.2	11.3	33.1	11.7	7.0	11.3	14.3	21.1	9.6	7.3	12.6	18.9	7.5
20-24	3.5	3.4	3.6	5.0	3.9	8.5	8.1	9.4	4.5	13.0	4.5	3.1	4.9	6.2	8.9	3.6	3.2	5.3	7.8	3.0
25-29	7.2	7.0	8.3	10.8	9.0	15.2	14.5	16.5	7.8	21.9	8.4	6.1	9.3	11.5	16.2	6.6	5.9	9.5	14.0	5.2
30-34	10.8	10.9	10.7	14.5	11.8	17.3	17.0	18.7	8.8	24.0	10.1	7.7	11.3	13.9	19.1	7.7	7.1	11.2	16.2	5.9
35-39	15.3	16.0	13.0	16.4	14.7	21.9	21.7	23.2	10.8	28.8	13.5	10.5	15.2	18.3	24.6	10.1	9.4	14.3	20.5	7.3
40-44	21.9	21.2	22.1	22.2	22.0	30.4	30.0	31.1	14.3	37.1	19.8	15.6	21.8	26.1	34.2	14.4	13.4	19.8	28.0	9.8
45-49	22.6	21.3	24.6	21.6	23.2	30.0	30.1	30.3	13.7	34.9	20.5	16.9	22.9	27.0	34.6	14.6	13.9	19.9	27.8	9.5
50-54	29.1	29.8	29.0	29.5	31.4	44.1	44.3	43.3	19.4	48.1	31.8	26.7	35.2	41.0	51.3	22.1	21.0	29.3	40.5	13.5
55-59	40.8	39.4	45.3	34.2	41.6	55.1	56.7	53.8	23.8	57.7	41.9	36.9	47.0	54.3	66.2	28.4	27.8	37.7	51.4	16.7
60-64	53.2	54	52.5	36.7	41.7	70	72.4	66.6	29.1	69	56.1	50.6	62.7	71.5	85.2	37.2	36.6	48.2	64.9	20.7
	STANDARD ERRORS																			
All	0.2	0.8	1.4	5.6	3.3	2.4	2.4	5.3	10.5	16.3	2.6	3.2	3.5	23.0	13.6	1.2	1.2	2.5	11.5	3.4
0-14	1.6	1.5	2.8	7.4	2.5	5.9	6.0	8.8	12.8	15.3	2.2	1.7	2.7	6.6	7.4	1.6	1.5	2.8	7.4	2.5
15-19	2.6	2.6	3.2	10.6	5.4	11.0	10.3	13.8	15.4	33.9	6.0	4.4	6.6	20.8	20.7	3.7	3.3	6.3	20.9	6.5
20-24	1.2	1.2	1.4	3.6	2.1	4.5	4.7	5.9	5.8	12.7	2.5	2.0	3.0	8.6	8.3	1.8	1.7	3.0	8.2	2.6
25-29	1.3	1.4	2.0	6.4	3.6	4.4	4.7	6.5	8.6	17.1	2.8	2.5	3.6	14.1	11.9	1.8	1.8	3.3	12.0	3.6
30-34	1.4	1.5	2.1	7.4	4.0	3.5	3.8	5.8	8.6	16.2	2.7	2.6	3.6	15.8	12.1	1.7	1.7	3.3	12.1	3.6
35-39	1.6	1.7	2.3	7.3	4.4	3.4	3.9	6.3	9.5	17.2	2.9	3.0	4.0	19.6	13.6	1.7	1.9	3.7	13.5	4.0
40-44	1.9	1.8	3.2	8.5	5.6	4.0	4.6	7.3	11.3	19.7	3.4	3.7	4.8	26.5	16.5	2.1	2.3	4.6	16.4	5.0
45-49	2.0	1.8	3.3	7.6	5.5	3.8	4.3	6.5	10.1	16.8	3.2	3.5	4.5	26.7	15.0	1.9	2.1	4.4	15.3	4.7
50-54	2.3	2.2	3.7	9.6	7.0	5.1	5.9	8.6	13.5	21.6	4.4	4.9	6.5	40.1	20.6	2.7	3.0	6.5	22.2	6.8
55-59	3.0	2.4	5.3	11.8	9.2	6.6	7.7	10.5	16.4	25.4	5.7	6.4	8.8	54.0	26.3	3.6	3.9	8.7	29.9	8.8
60-64	3.9	3.3	6.5	14.4	9.9	8.7	10.2	13.6	20.6	31.1	7.8	8.6	12.5	73.7	35.5	4.9	5.3	11.9	41.9	11.8

Table H.1254

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years**

male patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	44.4	44.0	48.4	36.3	35.0	79.6	77.7	91.9	84.0	82.4	52.7	53.9	53.6	37.1	37.8	32.6	33.6	30.8	16.8	23.7
0-14	4.8	4.4	7.4	1.7	2.6	24.8	23.4	33.8	10.3	15.1	7.3	5.8	10.2	3.3	3.6	4.8	4.4	7.4	1.7	2.6
15-19	9.3	9.4	10.1	3.2	3.6	39.8	37.9	50.4	18.2	25.8	15.2	12.2	20.6	7.3	7.9	9.8	9.4	14.5	3.8	5.8
20-24	5.8	5.9	6.3	2.2	2.4	21.4	20.9	26.4	10.6	14.5	8.6	7.2	11.4	4.5	4.7	5.8	5.6	8.3	2.4	3.5
25-29	10.5	10.4	11.4	4.4	4.8	27.5	26.4	32.6	14.6	19.4	12.2	9.8	15.7	6.6	6.7	8.3	7.7	11.3	3.5	5.1
30-34	13.4	13.2	14.1	6.3	6.7	29.5	29.3	32.3	16.2	21.3	13.2	11.2	16.0	7.9	7.9	9.2	9.0	11.7	4.2	5.9
35-39	18.8	19.2	20.2	10.0	10.4	35.1	35.1	37.3	20.8	25.9	15.6	13.5	19.8	10.6	10.2	12.8	13.0	14.7	5.8	7.7
40-44	30.4	30.8	31.4	17.6	17.8	55.6	55.9	55.7	33.9	40.5	26.0	24.0	30.1	18.3	17.0	21.3	21.5	23.1	10.1	13.4
45-49	37.5	38.1	39.7	25.0	24.8	72.3	73.9	64.6	43.2	52.6	31.4	29.2	36.1	25.7	22.6	24.2	23.8	30.0	14.1	17.8
50-54	53.3	52.8	57.5	39.9	38.0	94.3	96.0	91.7	70.7	76.3	57.6	53.6	61.2	42.2	36.9	38.7	39.1	43.3	24.5	29.0
55-59	60.6	59.9	66.4	50.2	48.7	108.4	118.8	97.9	78.8	91.3	60.7	57.4	67.8	53.8	45.9	48.3	47.3	54.7	31.1	38.3
60-64	78.9	77.8	83.8	72.8	69	146.7	145.8	137.3	115.7	131	86.2	87.2	84.5	80.5	71.8	68.4	70.1	70.1	48.3	53.9
	STANDARD ERRORS																			
All	1.0	0.8	1.6	5.1	3.0	2.9	3.3	7.7	22.2	17.9	2.5	3.6	3.8	17.1	9.9	1.0	1.2	2.5	5.5	4.1
0-14	1.5	1.4	2.6	1.1	1.3	8.9	8.3	12.8	7.3	8.0	2.8	2.2	3.9	2.5	2.0	1.5	1.4	2.6	1.1	1.3
15-19	1.8	2.1	2.5	1.7	1.4	11.4	10.8	15.7	11.4	11.7	4.5	3.7	6.3	4.9	3.8	2.3	2.2	3.9	2.2	2.4
20-24	1.1	1.3	1.5	1.1	0.9	6.0	5.9	8.0	6.1	6.2	2.5	2.1	3.4	2.8	2.1	1.4	1.3	2.2	1.3	1.4
25-29	1.1	1.3	1.6	1.8	1.3	5.1	4.9	7.0	7.1	6.7	2.4	2.1	3.2	3.7	2.5	1.2	1.1	2.0	1.6	1.6
30-34	1.0	1.1	1.6	2.1	1.5	3.7	3.8	5.5	6.9	6.3	2.0	1.9	2.7	4.0	2.6	1.0	1.0	1.8	1.7	1.6
35-39	1.0	1.2	1.8	2.9	2.0	3.1	3.2	5.6	7.7	6.8	2.0	2.0	2.8	4.9	3.0	1.1	1.2	2.0	2.1	1.8
40-44	1.2	1.5	2.3	4.3	2.8	3.8	3.9	7.4	10.9	9.5	2.7	3.0	3.6	7.8	4.5	1.5	1.6	2.8	3.3	2.7
45-49	1.4	1.7	2.5	5.2	3.4	4.4	4.7	7.7	12.2	11.4	2.9	3.3	3.8	10.3	5.7	1.6	1.7	3.3	4.2	3.2
50-54	1.8	2.2	3.4	7.3	4.5	5.8	6.3	10.4	17.6	15.6	4.4	5.3	5.7	16.2	8.8	2.3	2.5	4.7	6.9	4.9
55-59	2.1	2.6	4.0	8.6	5.5	7.2	8.7	10.7	18.1	18.0	4.8	5.7	6.6	20.5	10.5	2.9	3.0	6.1	8.7	6.4
60-64	2.8	3.4	5.2	13.1	8.1	10.4	11.7	14.9	27.0	26.8	6.7	8.2	8.5	31.4	16.5	4.2	4.5	8.0	14.2	9.3

Table H.13

**Death Rates: by Age Group**

female patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	31.5	31.1	37.0	37.4	18.7	56.6	53.6	73.7	66.4	51.0	35.8	33.8	40.5	42.0	24.7	22.7	22.9	25.5	21.0	13.2
0-14	5.4	5.2	8.2	3.3	2.8	28.9	27.3	37.5	14.9	16.8	8.0	6.1	10.6	6.1	4.5	5.4	5.2	8.2	3.3	2.8
15-19	9.7	9.8	11.2	5.9	3.8	36.5	34.1	43.8	18.8	22.0	13.0	9.9	16.8	10.5	7.4	8.9	8.3	13.3	5.8	4.7
20-24	5.3	5.5	6.4	3.6	2.3	18.9	18.6	23.3	10.8	12.2	7.1	5.7	9.3	6.3	4.3	5.0	4.8	7.5	3.5	2.8
25-29	9.2	9.7	10.9	6.7	4.2	22.9	22.4	27.1	13.9	15.2	9.0	7.4	11.6	8.6	5.7	6.7	6.6	9.6	4.9	3.7
30-34	12.7	13.2	14.4	9.8	6.0	26.9	27.8	29.9	17.0	17.9	10.8	8.9	13.7	11.1	7.0	8.1	7.7	11.6	6.3	4.7
35-39	16.3	16.2	19.0	13.5	8.0	31.5	31.4	35.6	21.0	21.5	13.2	10.9	16.5	14.5	8.9	10.1	9.5	14.5	8.4	5.9
40-44	24.4	23.7	27.3	22.3	12.8	44.6	43.2	52.2	33.4	32.5	20.3	17.6	25.0	23.9	14.2	15.6	14.5	21.8	14.3	9.7
45-49	29.1	29.0	34.1	28.7	16.4	51.9	50.8	58.4	40.3	38.6	25.2	21.0	32.1	30.6	17.5	19.8	19.7	24.7	18.5	12.0
50-54	39.6	39.1	46.8	43.0	24.4	76.2	78.4	78.2	60.2	57.3	36.9	31.9	45.4	49.0	26.6	28.2	27.2	37.0	29.1	18.7
55-59	44.8	43.2	54.4	53.0	29.2	82.4	84.6	86.3	70.7	62.5	41.2	36.0	50.5	59.0	31.7	33.9	33.0	42.5	36.2	22.7
60-64	56	53.5	66.1	69.4	38.2	99.7	102.2	101.8	94.5	79.9	56.1	51.4	65.4	83.6	43.1	47.5	46.1	58.5	51.6	31.7
	STANDARD ERRORS																			
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
	All	0.7	0.6	1.3	4.8	1.9	2.4	2.4	5.7	15.5	11.3	2.5	2.8	3.5	16.6	6.0	0.9	1.0	2.0	6.0
0-14	1.2	1.1	2.0	1.8	1.0	7.0	6.8	10.1	8.3	6.9	2.2	1.8	3.0	3.7	2.0	1.2	1.1	2.0	1.8	1.0
15-19	1.2	1.5	2.0	2.4	1.1	7.8	7.6	10.6	9.5	8.3	3.1	2.5	4.2	5.7	2.9	1.6	1.6	2.8	2.8	1.6
20-24	0.7	0.9	1.2	1.3	0.6	4.0	4.0	5.4	5.0	4.3	1.6	1.4	2.2	3.2	1.6	0.9	0.9	1.6	1.6	0.9
25-29	0.7	1.0	1.3	2.1	0.9	3.1	3.1	4.5	5.5	4.5	1.5	1.3	2.0	3.9	1.8	0.8	0.8	1.5	1.8	0.9
30-34	0.7	1.0	1.4	2.6	1.1	2.4	2.6	4.0	5.8	4.6	1.4	1.4	2.0	4.5	2.0	0.8	0.8	1.5	2.1	1.0
35-39	0.7	1.0	1.6	3.1	1.3	2.3	2.5	4.3	6.3	5.0	1.5	1.5	2.2	5.5	2.2	0.8	0.9	1.7	2.5	1.2
40-44	0.9	1.2	2.1	4.4	1.9	2.9	2.9	5.8	8.8	7.0	2.0	2.1	2.9	8.4	3.3	1.1	1.1	2.2	3.9	1.8
45-49	1.0	1.4	2.4	5.0	2.2	3.2	3.3	6.0	9.4	7.8	2.2	2.3	3.4	10.2	3.9	1.2	1.4	2.4	4.7	2.0
50-54	1.2	1.8	3.1	6.8	3.1	4.6	5.2	7.4	12.6	11.2	3.0	3.2	4.6	15.7	5.6	1.7	1.8	3.6	7.1	3.1
55-59	1.4	2.0	3.6	8.1	3.8	5.1	6.1	8.1	14.1	12.2	3.3	3.6	5.0	18.9	6.7	2.0	2.1	4.3	8.8	3.9
60-64	1.8	2.5	4.5	11.1	5.2	6.2	7.7	9.7	19.1	16.0	4.4	5.1	6.7	27.4	9.3	2.8	3.0	6.1	13.2	5.7

Table H.13S 1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year**

female patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	11.2	11.0	15.0	12.7	0.0	22.0	21.8	24.2	0.0	0.0	12.6	8.9	19.4	100.3	0.0	7.8	6.7	20.1	0.0	0.0
0-14	6.6	8.7	2.0	0.0	0.0	49.3	74.8	11.8	0.0	0.0	27.9	7.4	6.9	57.6	0.0	6.6	8.7	2.0	0.0	0.0
15-19	4.5	4.1	5.7	0.6	0.0	45.6	62.3	12.1	0.0	0.0	26.6	7.4	7.1	87.1	0.0	6.0	4.4	3.2	0.0	0.0
20-24	1.3	1.4	1.8	0.3	0.0	9.6	32.9	1.2	0.0	0.0	4.1	0.7	0.9	10.6	0.0	1.2	0.3	0.7	0.0	0.0
25-29	6.8	7.4	9.0	1.8	0.0	16.0	16.0	24.4	0.0	0.0	7.2	1.9	2.3	20.6	0.0	4.2	8.8	1.8	0.0	0.0
30-34	7.0	6.9	10.8	2.9	0.0	9.0	9.1	2.5	0.0	0.0	4.8	1.3	2.3	45.2	0.0	3.2	0.6	33.7	0.0	0.0
35-39	6.4	5.4	9.2	3.5	0.0	7.1	3.6	2.1	0.0	0.0	7.2	1.3	2.5	1,051.8	0.0	4.2	0.6	40.6	0.0	0.0
40-44	7.2	6.0	8.4	4.6	0.0	13.4	10.2	2.6	0.0	0.0	5.8	1.4	2.3	87.2	0.0	3.5	0.6	13.0	0.0	0.0
45-49	12.9	14.2	15.7	12.4	0.0	25.2	32.7	3.6	0.0	0.0	8.0	1.6	3.3	166.2	0.0	7.2	7.8	3.5	0.0	0.0
50-54	19.0	16.0	27.8	24.8	0.0	54.3	43.5	122.6	0.0	0.0	20.9	19.8	37.3	213.7	0.0	6.5	1.0	6.3	0.0	0.0
55-59	13.1	15.5	17.1	24.0	0.0	33.9	46.4	40.3	0.0	0.0	7.6	1.8	5.5	82.6	0.0	9.5	10.3	7.3	0.0	0.0
60-64	34.1	30.5	43.5	82	0	47.3	54	9	0	0	21.2	3	104.1	1392.1	0	36.2	26.7	159.2	0	0
	STANDARD ERRORS																			
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
	All	1.8	1.7	3.8	14.3	0.0	4.2	4.6	10.3	0.0	0.0	5.2	5.1	11.2	116.0	0.0	1.6	1.6	6.9	0.0
0-14	3.2	2.8	2.6	0.0	0.0	55.4	146.9	25.7	0.0	0.0	39.3	17.5	16.7	177.3	0.0	3.2	2.8	2.6	0.0	0.0
15-19	3.0	3.0	4.9	2.0	0.0	50.9	112.1	26.0	0.0	0.0	30.7	14.2	13.0	236.2	0.0	4.1	2.8	4.3	0.0	0.0
20-24	1.5	1.5	2.2	0.8	0.0	10.6	19.7	2.4	0.0	0.0	5.7	1.5	2.0	27.6	0.0	1.2	0.5	1.2	0.0	0.0
25-29	3.1	3.6	5.6	4.8	0.0	8.4	6.7	18.9	0.0	0.0	7.0	3.4	3.8	31.3	0.0	2.7	3.6	2.6	0.0	0.0
30-34	2.7	3.0	6.1	6.6	0.0	4.3	3.4	3.9	0.0	0.0	4.4	2.2	4.0	97.1	0.0	2.0	0.7	15.2	0.0	0.0
35-39	2.2	2.2	4.7	6.8	0.0	3.5	2.0	2.8	0.0	0.0	6.0	2.0	4.2	956.4	0.0	2.3	0.6	16.4	0.0	0.0
40-44	2.4	2.4	4.3	7.9	0.0	5.4	3.8	3.7	0.0	0.0	4.5	2.3	3.4	173.0	0.0	2.0	0.7	8.8	0.0	0.0
45-49	3.3	4.3	7.1	18.3	0.0	9.0	7.8	4.7	0.0	0.0	5.8	2.3	4.5	330.2	0.0	3.4	2.8	3.9	0.0	0.0
50-54	4.7	4.7	11.2	34.2	0.0	14.1	10.5	35.6	0.0	0.0	13.4	14.0	25.7	283.1	0.0	3.0	0.9	6.2	0.0	0.0
55-59	4.1	5.0	8.4	32.0	0.0	14.0	13.2	23.4	0.0	0.0	5.9	2.7	8.4	98.0	0.0	4.3	3.4	8.4	0.0	0.0
60-64	8.3	9.9	20.2	121.1	0.0	19.9	17.7	9.9	0.0	0.0	13.0	3.5	59.7	3,175.4	0.0	12.4	7.9	61.6	0.0	0.0

Table H.1352

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years**

female patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	20.4	21.8	18.6	0.0	10.5	30.9	29.9	41.4	0.0	17.3	26.4	30.7	24.3	0.0	11.9	17.4	18.6	11.4	0.0	12.2
0-14	22.7	28.3	9.0	0.0	2.8	148.7	92.1	109.1	0.0	9.3	52.8	25.7	41.7	0.0	2.6	22.7	28.3	9.0	0.0	2.8
15-19	11.4	13.1	11.1	0.0	1.8	33.4	26.3	40.7	0.0	3.4	15.2	10.7	18.2	0.0	1.4	7.0	3.9	31.3	0.0	1.7
20-24	12.2	13.0	11.8	0.0	2.4	52.7	24.4	113.0	0.0	5.7	26.2	13.1	23.3	0.0	2.6	13.0	12.2	14.3	0.0	3.1
25-29	3.7	4.3	2.8	0.0	0.8	8.0	4.0	7.3	0.0	1.3	4.3	3.1	4.2	0.0	0.6	2.3	3.5	1.9	0.0	0.8
30-34	19.0	21.4	10.7	0.0	4.3	36.3	38.1	19.2	0.0	5.3	21.4	20.1	11.8	0.0	2.8	12.3	13.5	5.7	0.0	3.7
35-39	11.7	14.5	7.7	0.0	3.4	19.4	26.8	8.3	0.0	2.8	12.5	4.8	5.9	0.0	1.5	7.7	6.9	3.1	0.0	2.2
40-44	20.3	21.7	15.1	0.0	7.8	29.1	40.1	14.9	0.0	7.1	20.3	9.5	45.6	0.0	4.4	13.5	10.6	5.6	0.0	13.7
45-49	18.8	19.0	26.1	0.0	10.2	29.3	25.4	50.6	0.0	14.7	22.3	12.4	45.2	0.0	9.3	15.9	15.7	18.1	0.0	11.6
50-54	28.0	33.9	24.1	0.0	14.1	38.3	45.0	46.4	0.0	14.2	31.7	74.2	18.4	0.0	10.4	24.3	29.6	9.8	0.0	14.2
55-59	29.6	26.6	26.9	0.0	19.2	36.4	8.4	40.4	0.0	13.9	32.9	11.5	13.4	0.0	11.7	27.1	37.3	9.3	0.0	17.1
60-64	37	35.4	54.6	0	38.6	43.7	11.6	126.3	0	26.9	42.9	84.2	36.4	0	20.3	38	36.6	15.7	0	197
	STANDARD ERRORS																			
All	3.2	2.3	3.8	0.0	6.1	5.5	4.8	11.1	0.0	17.4	8.8	9.4	9.6	0.0	13.8	3.0	2.8	4.0	0.0	7.8
0-14	9.6	7.2	7.4	0.0	4.8	97.7	90.8	143.0	0.0	19.2	47.2	36.0	58.0	0.0	5.8	9.6	7.2	7.4	0.0	4.8
15-19	5.0	6.1	7.2	0.0	2.7	29.6	33.1	53.6	0.0	7.1	15.3	13.6	24.3	0.0	3.0	5.3	3.0	22.5	0.0	2.9
20-24	4.5	5.1	6.4	0.0	3.1	30.2	21.0	97.4	0.0	10.4	18.7	12.9	25.6	0.0	4.8	6.4	5.5	9.7	0.0	4.6
25-29	1.9	2.3	1.9	0.0	1.0	5.8	3.4	7.4	0.0	2.2	3.7	3.6	4.6	0.0	1.1	1.7	2.4	1.9	0.0	1.2
30-34	3.7	5.2	4.6	0.0	4.2	12.1	10.2	16.0	0.0	8.2	11.3	15.3	10.6	0.0	4.6	4.7	6.2	4.9	0.0	4.6
35-39	2.6	4.7	3.7	0.0	3.0	6.2	7.1	7.1	0.0	4.1	6.0	4.8	5.7	0.0	2.4	2.7	3.5	2.9	0.0	2.6
40-44	3.5	5.7	6.2	0.0	5.7	8.2	10.5	11.7	0.0	9.4	8.5	8.3	28.2	0.0	6.3	4.0	4.4	4.6	0.0	11.6
45-49	3.3	0.3	6.2	0.0	6.3	7.0	7.8	25.9	0.0	18.9	8.2	9.4	24.6	0.0	12.3	3.9	5.4	11.8	0.0	10.5
50-54	4.1	5.6	8.4	0.0	8.9	8.4	11.9	20.8	0.0	17.0	11.0	30.5	16.5	0.0	13.7	5.3	6.9	8.2	0.0	13.0
55-59	4.8	4.8	8.7	0.0	12.5	9.2	5.4	20.9	0.0	16.4	12.0	9.2	11.3	0.0	16.1	6.5	7.5	8.1	0.0	16.4
60-64	6.3	.	8.9	0.0	25.3	15.0	7.3	39.5	0.0	33.1	18.7	30.5	27.8	0.0	25.4	12.7	11.0	14.0	0.0	142.1

Table H.1353

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years**

female patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	23.5	23.5	26.4	29.5	13.4	38.1	37.2	45.1	28.8	35.3	28.7	28.5	29.2	38.5	29.4	14.6	14.8	16.6	33.5	5.6
0-14	2.2	1.9	3.4	7.1	1.4	8.8	8.5	11.4	12.4	9.6	2.6	1.8	3.0	5.3	4.0	2.2	1.9	3.4	7.1	1.4
15-19	9.8	9.1	11.1	20.1	7.1	26.6	22.5	26.6	17.7	26.2	11.0	6.7	10.8	18.7	13.9	8.9	6.9	11.7	24.0	4.8
20-24	3.6	3.7	4.2	6.9	2.5	9.5	9.3	10.7	7.0	10.2	4.2	3.0	4.7	8.0	5.8	3.3	2.9	4.8	9.8	1.9
25-29	9.3	8.8	10.2	14.6	5.7	16.8	16.5	18.4	12.0	16.9	7.7	5.7	8.6	14.6	10.3	6.0	5.4	8.6	17.3	3.3
30-34	12.1	12.1	12.8	18.1	7.5	18.9	19.1	20.7	13.3	18.3	9.2	7.1	10.4	17.5	12.1	6.9	6.4	10.0	19.8	3.6
35-39	14.3	14.5	15.6	20.5	8.7	23.6	24.1	25.4	16.1	21.6	12.1	9.7	13.8	22.8	15.4	8.9	8.4	12.6	24.7	4.5
40-44	20.9	20.6	22.8	28.4	12.5	32.4	32.8	33.5	21.0	27.5	17.5	14.2	19.5	32.0	21.1	12.6	11.8	17.2	33.3	5.9
45-49	17.6	17.5	23.9	25.9	11.8	31.6	32.5	32.3	20.0	25.6	18.0	15.2	20.3	32.7	21.1	12.6	12.1	17.1	32.7	5.6
50-54	32.5	30.7	36.4	34.4	17.2	45.9	47.3	45.5	27.9	34.8	27.5	23.7	30.7	49.1	30.8	18.9	18.1	24.9	47.1	7.9
55-59	35.0	35.3	41.0	38.1	21.1	56.6	59.8	55.8	33.8	41.2	35.7	32.3	40.6	64.1	39.3	24.0	23.7	31.6	59.0	9.6
60-64	39.1	38.7	46.3	40.2	22.3	71.1	75.4	68.3	40.9	48.7	47.3	43.8	53.4	83.4	49.9	31	30.8	39.9	73.6	11.8
	STANDARD ERRORS																			
All	0.2	0.9	1.7	7.0	2.5	2.8	2.9	5.9	12.7	13.3	3.4	3.9	4.3	28.0	10.6	1.2	1.3	2.4	14.2	2.2
0-14	1.5	1.5	2.7	9.5	1.6	6.5	6.8	9.7	17.7	12.1	2.1	1.7	2.7	8.8	5.1	1.5	1.5	2.7	9.5	1.6
15-19	2.6	2.7	3.8	15.4	4.0	12.5	12.0	15.8	23.0	27.4	5.9	4.4	6.7	27.4	14.2	3.6	3.2	5.9	26.6	4.3
20-24	1.2	1.3	1.7	5.0	1.4	5.1	5.4	6.7	8.6	10.2	2.4	2.0	3.0	11.2	5.7	1.6	1.6	2.8	10.4	1.7
25-29	1.8	1.8	2.5	8.7	2.5	4.9	5.4	7.2	12.3	13.9	2.9	2.6	3.7	18.3	8.2	1.7	1.7	3.1	15.3	2.3
30-34	1.7	1.7	2.6	9.3	2.9	3.9	4.3	6.4	12.0	13.3	2.7	2.7	3.7	20.4	8.5	1.6	1.7	3.1	15.5	2.4
35-39	1.8	1.9	2.9	9.4	3.0	3.9	4.5	7.0	13.0	14.2	3.0	3.1	4.3	25.2	9.7	1.7	1.8	3.5	17.5	2.7
40-44	2.2	2.3	3.7	11.4	4.0	4.6	5.4	8.2	15.2	16.8	3.8	4.0	5.3	34.0	12.2	2.0	2.2	4.3	21.8	3.4
45-49	2.0	2.0	3.7	9.5	3.6	4.3	5.0	7.3	13.3	14.6	3.5	3.9	5.0	34.1	11.4	1.9	2.0	4.1	20.7	3.2
50-54	3.0	2.9	5.1	12.3	5.1	6.0	7.1	9.7	17.6	19.3	4.9	5.5	7.1	50.9	16.1	2.6	2.9	5.9	30.3	4.6
55-59	3.3	3.2	5.7	14.3	6.5	7.5	9.1	11.9	21.4	22.9	6.3	7.2	9.4	67.9	20.6	3.4	3.8	7.9	40.2	5.9
60-64	4.0	3.9	7.0	16.6	7.5	10.1	12.2	15.3	27.1	27.9	8.6	9.8	12.8	91.6	27.4	4.7	5.2	10.7	54.8	7.7

Table H.13S 4

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years**

*female patients with functioning transplants, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	36.8	35.7	45.3	44.3	22.7	73.9	68.8	102.2	106.5	65.9	40.1	37.4	46.7	36.8	23.7	26.4	26.5	30.5	18.9	16.8
0-14	4.6	4.4	8.5	2.2	2.5	29.3	28.3	48.2	16.7	17.4	6.9	5.3	11.1	3.9	3.1	4.6	4.4	8.5	2.2	2.5
15-19	9.6	9.8	12.0	4.8	3.2	47.9	46.5	73.4	29.6	29.7	14.2	10.8	21.9	8.6	6.5	10.1	9.6	17.1	4.9	5.3
20-24	5.8	5.9	7.2	3.2	2.1	25.1	24.8	37.3	16.7	16.3	7.9	6.3	11.7	5.2	3.8	5.6	5.3	9.5	3.0	3.1
25-29	10.2	10.3	12.5	6.3	4.0	32.1	31.5	44.3	22.3	21.1	10.5	8.3	15.0	7.3	5.3	8.0	7.6	12.2	4.3	4.3
30-34	12.9	12.8	15.3	8.6	5.4	33.7	34.1	42.5	24.1	22.2	10.9	8.9	15.3	8.4	5.9	8.8	8.2	13.2	5.0	5.0
35-39	17.6	17.5	21.6	13.4	8.3	38.2	37.6	49.0	29.6	27.1	13.8	11.2	18.7	11.1	7.5	10.9	10.1	16.1	6.7	6.3
40-44	26.1	26.2	32.0	22.8	13.7	51.7	50.7	71.0	46.6	40.4	21.4	18.2	27.7	18.5	12.2	16.1	15.3	23.3	11.6	10.6
45-49	34.5	33.8	40.2	31.7	18.8	67.6	65.1	81.8	59.6	51.0	29.1	23.3	36.4	24.8	16.0	22.9	22.6	27.4	15.5	14.0
50-54	44.6	44.1	54.2	48.2	28.1	98.8	99.1	103.2	91.3	77.9	40.8	35.3	49.8	40.8	25.0	31.5	30.6	42.5	24.9	22.3
55-59	51.3	49.3	62.2	60.6	34.3	118.1	115.8	122.8	106.4	84.8	46.0	40.2	57.2	49.8	29.9	37.0	36.5	46.3	31.8	27.8
60-64	63.1	61.5	75.9	83.4	46.6	131.1	140.9	131.6	143.1	109.9	62	58.4	71.1	71.8	42.2	53.9	52.6	66.5	45.8	39.3

**STANDARD ERRORS**

All	1.0	0.8	1.9	6.3	2.6	3.3	3.6	9.2	27.1	16.7	3.0	3.6	4.6	17.6	7.1	1.0	1.2	2.6	6.4	3.4
0-14	1.5	1.5	3.0	1.5	1.2	10.7	10.3	18.6	11.8	9.2	2.7	2.1	4.4	3.0	1.7	1.5	1.5	3.0	1.5	1.2
15-19	1.9	2.2	3.0	2.5	1.2	13.9	13.4	22.9	18.4	13.5	4.4	3.4	6.9	5.8	3.2	2.5	2.4	4.7	2.9	2.2
20-24	1.1	1.3	1.8	1.5	0.8	7.1	6.9	11.3	9.5	6.9	2.3	1.9	3.6	3.3	1.7	1.4	1.3	2.6	1.6	1.2
25-29	1.1	1.3	1.9	2.5	1.1	5.9	5.8	9.4	10.8	7.3	2.2	1.8	3.2	4.1	2.0	1.2	1.2	2.3	2.0	1.3
30-34	1.0	1.1	1.8	2.9	1.3	4.0	4.2	7.1	10.1	6.7	1.9	1.7	2.8	4.3	2.0	1.0	1.0	2.0	2.1	1.3
35-39	1.0	1.2	2.0	3.8	1.6	3.6	3.7	7.4	10.7	7.4	2.0	1.8	3.0	5.2	2.4	1.1	1.1	2.2	2.4	1.5
40-44	1.2	1.5	2.6	5.6	2.4	4.0	4.1	9.7	14.7	10.1	2.7	2.7	3.9	8.0	3.5	1.4	1.4	2.9	3.8	2.2
45-49	1.5	1.7	2.9	6.7	2.9	5.0	5.1	10.4	16.6	12.0	3.3	3.2	4.7	10.1	4.4	1.7	1.9	3.2	4.7	2.7
50-54	1.8	2.2	3.7	9.0	4.1	7.4	8.1	12.2	22.3	17.7	4.3	4.4	6.1	16.0	6.6	2.3	2.4	4.9	7.3	4.1
55-59	2.2	2.5	4.3	10.7	5.0	9.4	10.4	14.2	23.7	19.3	4.7	4.9	6.8	19.4	7.8	2.7	2.9	5.5	9.2	5.3
60-64	2.7	3.2	5.4	15.2	7.1	10.7	12.9	15.2	32.0	25.6	6.4	7.1	8.7	28.2	11.2	3.9	4.1	8.2	13.8	7.8



Table H.14

**Death Rates: by Age Group**

all ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	175.2	192.5	153.1	150.7	134.5	236.8	258.0	206.6	193.4	229.2	215.2	286.2	156.7	164.2	155.3	119.0	128.4	104.6	88.4	72.5
0-14	16.2	14.3	25.1	14.6	9.4	80.7	75.3	104.5	66.5	55.1	19.0	16.2	23.5	15.3	10.3	16.2	14.3	25.1	14.6	9.4
15-19	15.5	14.2	18.5	14.7	8.2	52.5	48.0	59.5	40.7	36.2	16.8	14.0	19.2	13.1	8.9	14.6	12.3	20.2	12.8	8.3
20-24	22.2	20.5	27.1	21.0	12.2	68.0	63.5	76.2	53.2	48.0	23.2	19.9	26.0	18.8	13.0	20.8	17.8	30.2	17.7	11.7
25-29	29.9	27.8	35.3	28.4	17.0	73.7	71.3	81.8	56.6	52.5	26.4	23.0	29.0	22.3	15.5	23.3	20.0	32.8	20.8	13.8
30-34	40.5	39.3	44.5	38.5	23.7	79.8	78.1	89.9	64.8	58.6	31.5	30.2	33.0	28.0	19.4	29.1	25.5	39.5	26.2	18.1
35-39	50.0	49.4	54.3	46.3	29.8	89.8	88.9	93.9	75.2	70.0	39.8	35.8	43.4	34.0	24.0	36.7	32.2	51.1	31.0	21.3
40-44	65.8	65.7	69.5	63.5	40.9	110.8	108.6	119.5	99.9	87.6	57.5	56.3	60.5	48.5	34.0	47.9	43.8	61.7	45.1	30.2
45-49	81.7	82.2	84.7	77.8	52.8	129.7	136.0	121.7	105.8	104.8	70.1	69.8	72.8	58.9	41.7	56.8	52.7	71.4	55.2	37.3
50-54	110.6	114.7	109.6	107.3	78.0	162.1	181.9	141.5	128.0	140.5	98.9	101.1	100.6	87.3	62.8	78.3	76.5	89.4	80.1	53.1
55-59	138.9	144.4	136.4	129.3	95.3	188.5	216.4	162.2	148.0	155.5	122.0	125.1	123.7	103.5	75.7	100.4	97.5	118.6	94.9	63.3
60-64	180.8	196.8	164.5	167.5	129.3	227.2	265.3	189.7	194.9	174.2	171.7	200.1	155.5	147.8	109.1	148.4	149.4	154.2	136.0	100.4
65-69	249.8	271.0	220.7	233.4	191.3	290.3	332.9	236.1	251.6	246.5	232.7	267.3	201.2	209.1	156.1	203.8	206.6	205.0	188.4	138.3
70-74	313.9	341.9	267.8	294.6	243.6	353.2	400.6	281.8	321.3	299.9	300.3	337.0	251.9	267.6	216.4	274.2	285.2	256.2	242.4	173.3
75-79	381.8	407.3	330.4	356.3	309.2	419.5	461.7	347.5	373.5	383.0	373.5	407.3	314.3	350.4	271.9	346.9	357.5	324.8	312.4	233.7
80-84	462.7	489.6	405.7	427.3	371.7	506.9	577.2	396.2	435.8	425.9	449.8	469.6	414.1	448.1	344.5	443.2	460.4	394.0	389.6	305.8
85+	584.4	615.7	520.7	547.0	496.4	605.0	686.3	501.7	518.0	520.9	588.7	626.1	521.9	583.9	477.2	557.3	570.2	526.6	542.3	404.7
	STANDARD ERRORS																			
All	0.8	0.7	0.7	3.0	1.9	1.6	1.6	1.9	6.2	6.0	1.8	2.3	1.6	12.0	5.9	1.0	1.0	1.4	5.7	2.8
0-14	1.6	1.4	2.9	2.6	1.5	10.0	10.2	14.6	12.1	9.3	2.6	2.4	3.5	3.1	1.9	1.6	1.4	2.9	2.6	1.5
15-19	1.6	1.5	2.1	2.3	1.1	6.9	6.9	8.6	7.2	6.1	2.2	2.1	2.8	2.6	1.6	1.5	1.3	2.4	2.2	1.3
20-24	1.4	1.3	1.9	2.6	1.3	6.0	6.5	8.0	7.6	6.5	2.1	2.2	2.7	3.1	1.9	1.3	1.3	2.4	2.5	1.5
25-29	1.2	1.2	1.7	2.9	1.5	4.1	4.6	6.3	7.1	6.1	1.8	2.1	2.3	3.3	2.0	1.1	1.1	2.0	2.7	1.5
30-34	1.1	1.2	1.7	3.5	1.9	2.9	3.1	5.5	7.2	6.2	1.7	2.4	2.2	3.9	2.2	1.1	1.1	2.1	3.1	1.8
35-39	1.1	1.2	1.6	3.7	2.1	2.5	2.7	5.0	7.6	6.7	1.8	2.5	2.2	4.4	2.6	1.1	1.2	2.2	3.4	1.9
40-44	1.1	1.3	1.7	4.4	2.5	2.5	2.8	5.0	8.7	7.6	1.9	3.2	2.4	5.8	3.3	1.2	1.4	2.4	4.6	2.5
45-49	1.2	1.4	1.7	4.6	2.8	2.5	3.0	4.0	7.9	8.0	2.0	3.4	2.4	6.6	3.8	1.3	1.5	2.6	5.2	2.9
50-54	1.4	1.7	2.0	5.5	3.7	2.6	3.5	3.8	8.3	9.1	2.5	4.0	3.0	9.1	5.3	1.7	1.9	3.4	7.3	3.9
55-59	1.6	1.9	2.2	6.1	4.2	2.6	3.6	3.6	8.6	9.2	2.8	4.4	3.4	10.5	6.1	2.0	2.3	4.3	8.5	4.6
60-64	1.7	2.2	2.4	7.4	5.2	2.7	3.8	3.8	10.7	9.4	3.2	5.1	4.0	14.4	8.2	2.7	3.0	5.4	11.9	7.0
65-69	2.1	2.5	2.9	9.9	6.7	3.0	4.0	4.1	13.0	11.1	3.4	4.9	4.4	19.5	10.5	3.1	3.4	6.6	16.2	9.1
70-74	2.4	2.9	3.5	13.1	8.0	3.6	4.8	5.1	17.6	12.9	3.7	4.9	5.2	23.6	12.8	3.8	4.2	8.0	21.2	10.9
75-79	3.1	3.6	4.9	18.1	10.8	5.0	6.4	7.5	24.7	18.3	4.4	5.4	6.8	31.0	15.7	4.9	5.3	10.9	28.0	14.9
80-84	4.6	5.2	7.7	26.5	14.9	8.6	11.3	12.3	35.4	25.4	6.0	7.0	10.4	43.7	20.2	7.3	7.9	16.1	39.4	21.6
85+	7.8	8.9	12.4	39.9	24.3	16.6	22.7	23.0	50.2	37.3	9.8	11.8	15.5	60.4	33.6	12.0	13.1	24.3	59.3	32.0



Table H.14S 1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year**

*all ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	213.1	254.4	152.6	142.0	148.5	239.7	276.7	183.3	161.9	201.3	255.3	334.5	161.4	173.9	169.0	183.0	211.4	132.7	117.3	92.3
0-14	26.5	24.9	36.8	18.6	8.7	95.3	100.1	108.1	59.0	37.5	17.7	21.7	21.8	13.1	7.0	26.5	24.9	36.8	18.6	8.7
15-19	16.0	14.4	14.0	9.7	5.4	36.7	33.0	30.4	18.2	13.3	10.5	10.6	10.1	6.4	3.5	15.3	11.7	16.6	8.9	4.4
20-24	26.5	26.9	28.1	18.9	10.6	58.0	59.6	54.8	34.1	25.6	18.2	20.5	20.0	13.2	7.4	26.6	22.6	35.0	17.8	8.7
25-29	32.6	35.0	31.8	23.4	13.7	62.9	66.2	57.5	34.8	27.1	19.7	22.6	20.5	14.8	8.5	26.8	23.5	33.2	19.5	9.8
30-34	53.4	56.3	53.3	40.3	24.5	85.9	89.1	83.4	53.8	41.9	31.2	36.8	32.1	24.7	14.6	43.9	37.2	57.6	32.5	16.8
35-39	58.9	64.2	57.2	44.9	28.1	93.4	102.0	79.6	60.1	48.6	37.6	43.4	37.5	29.9	18.0	52.3	43.3	69.4	37.9	20.0
40-44	67.4	76.4	61.6	52.2	33.6	101.8	111.0	89.4	66.4	54.8	44.7	53.0	44.0	36.6	22.1	57.0	54.5	68.8	45.1	23.9
45-49	83.7	95.6	73.2	70.1	45.1	116.9	134.0	96.4	84.2	67.5	61.3	77.0	57.6	47.6	30.1	65.2	63.2	74.8	60.2	32.8
50-54	111.4	128.5	96.3	86.6	64.9	143.2	169.1	119.2	98.1	95.8	82.5	101.6	76.7	68.7	44.4	96.1	98.3	103.9	81.5	48.0
55-59	137.9	158.4	114.4	112.9	81.2	163.4	193.4	128.8	122.2	118.2	112.4	135.3	99.4	94.3	60.5	125.5	130.4	129.1	112.8	60.1
60-64	174.8	205.0	136.9	132.4	103.4	194.7	234.1	147.4	147.5	131.2	153.7	190.7	125.6	122.4	84.5	184.9	193.7	173.9	144.4	89.0
65-69	263.5	295.5	209.3	209.9	184.0	277.2	317.5	216.0	220.6	210.5	241.8	283.8	187.1	190.6	136.0	253.0	262.4	231.2	205.8	151.7
70-74	324.7	359.5	251.3	273.4	216.8	337.0	383.8	248.1	283.6	252.8	310.4	349.0	236.3	251.8	190.6	312.6	326.7	282.4	281.7	167.8
75-79	392.4	416.7	331.6	332.6	282.6	412.5	446.3	339.2	344.7	329.6	371.3	397.4	313.9	327.6	242.1	387.6	399.2	357.1	347.0	231.1
80-84	477.1	496.9	428.0	425.4	360.4	523.4	567.9	435.6	395.5	411.1	453.2	473.2	404.1	466.8	323.9	460.5	468.4	450.9	489.2	314.8
85+	604.2	630.5	543.1	551.2	509.4	601.1	702.9	459.4	513.0	532.5	582.3	605.8	522.1	608.1	503.6	619.6	619.9	672.2	650.9	433.5

**STANDARD ERRORS**

All	1.6	1.7	1.6	6.4	4.3	2.9	2.6	2.7	9.0	8.1	3.8	3.8	2.9	24.1	10.5	2.9	2.5	3.1	14.4	6.6
0-14	4.2	4.0	6.7	6.2	2.5	19.5	21.1	23.4	19.5	11.1	4.1	5.2	5.2	5.1	2.3	4.2	4.0	6.7	6.2	2.5
15-19	4.5	3.7	3.8	3.6	1.8	9.7	9.2	8.6	6.4	4.4	2.9	3.1	2.9	2.6	1.2	3.5	2.8	4.2	3.3	1.4
20-24	4.3	3.9	4.3	5.3	2.6	9.6	10.3	10.0	9.2	6.3	3.3	4.0	3.7	4.4	2.0	3.6	3.4	5.3	5.2	2.2
25-29	3.7	3.7	3.6	5.6	2.9	6.8	7.5	8.1	8.1	5.8	2.8	3.7	3.1	4.4	2.1	2.9	2.9	4.2	5.1	2.2
30-34	3.9	4.1	4.3	8.3	4.4	6.3	7.0	9.3	10.9	7.9	3.6	5.2	4.0	6.7	3.2	3.5	3.7	5.5	7.6	3.3
35-39	3.5	3.9	3.8	8.2	4.6	5.7	6.6	7.7	10.9	8.4	3.6	5.6	4.0	7.5	3.6	3.5	3.7	5.6	8.1	3.6
40-44	3.4	3.8	3.6	8.2	4.9	5.1	6.1	7.2	10.5	8.6	3.7	6.0	4.0	8.6	4.1	3.4	4.1	5.3	9.0	4.0
45-49	3.3	3.8	3.6	9.5	5.7	4.5	5.9	6.1	11.5	9.3	4.2	7.4	4.5	10.3	5.1	3.6	4.2	5.7	11.2	5.1
50-54	3.6	4.1	4.2	10.0	7.1	4.3	5.9	5.9	11.6	11.3	5.0	8.4	5.6	14.0	6.9	4.6	5.3	7.9	14.4	6.9
55-59	3.8	4.3	4.4	11.6	8.0	4.2	5.7	5.6	12.8	12.4	5.7	9.0	6.4	18.2	8.7	5.5	6.2	9.6	19.2	8.2
60-64	4.0	4.5	4.6	12.8	9.0	4.2	5.7	5.6	14.7	12.2	5.9	8.8	6.9	22.3	11.1	6.6	7.3	11.7	23.6	11.5
65-69	4.9	5.1	6.0	19.0	13.0	4.9	6.2	6.9	20.5	15.8	6.5	8.5	8.4	33.4	15.9	7.2	7.7	13.9	32.4	17.7
70-74	5.5	5.5	7.2	25.7	14.4	5.9	7.2	8.4	27.7	18.3	6.8	8.2	9.7	42.1	19.6	7.8	8.3	16.1	45.2	18.7
75-79	6.8	6.5	9.9	36.2	19.4	8.2	9.6	12.7	40.3	25.8	7.6	8.6	12.4	55.1	23.6	9.5	9.8	21.1	56.8	26.3
80-84	9.8	9.2	15.7	56.4	27.9	14.0	16.4	22.1	55.9	38.5	10.2	11.1	18.2	83.9	31.8	13.1	13.4	30.4	91.1	37.6
85+	16.6	15.9	24.4	86.5	47.0	26.5	34.8	33.8	83.8	59.0	16.3	18.2	26.5	119.2	56.8	22.0	22.7	49.6	129.4	56.0





Table H.145.2

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years***all ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	183.1	221.4	137.0	137.2	137.8	234.0	278.3	176.6	162.7	220.4	213.2	290.3	144.5	170.3	154.5	128.5	152.1	93.3	88.0	65.1
0-14	15.4	15.4	16.6	12.7	6.6	88.0	89.6	71.7	56.2	49.6	17.0	20.1	18.1	15.5	9.9	15.4	15.4	16.6	12.7	6.6
15-19	14.4	17.4	12.5	11.9	7.3	44.6	48.8	35.7	28.8	28.8	11.5	14.4	12.7	11.2	7.2	10.5	11.1	11.9	9.3	4.8
20-24	25.5	30.4	22.0	21.2	13.4	90.9	97.5	71.3	58.1	58.7	25.5	31.2	27.1	24.6	16.0	23.4	24.3	25.8	20.4	10.7
25-29	33.6	39.8	29.5	28.4	18.5	77.5	85.1	61.1	50.5	51.8	24.1	29.3	25.2	23.4	15.4	21.5	21.9	24.6	19.5	10.3
30-34	51.1	61.1	43.6	43.1	28.8	100.7	110.2	78.6	66.1	68.0	34.3	41.6	34.8	33.2	22.0	31.1	32.9	33.2	27.9	15.0
35-39	48.7	57.4	41.2	40.9	28.5	87.9	97.7	66.7	59.0	61.8	33.6	40.0	33.6	32.2	21.5	30.6	30.8	33.0	27.1	14.9
40-44	74.0	87.0	62.9	63.0	45.1	128.2	144.3	100.6	89.6	94.4	55.0	65.6	54.1	52.6	35.9	47.9	50.4	51.1	45.0	24.5
45-49	90.0	106.3	76.5	77.1	56.7	137.0	159.4	107.1	94.3	102.7	62.4	77.4	59.0	62.3	42.4	56.0	59.7	59.2	53.4	29.3
50-54	113.1	132.7	96.0	97.4	75.0	152.8	192.7	115.4	111.1	126.1	86.3	101.7	81.4	81.7	56.6	76.2	77.8	79.4	71.6	40.0
55-59	140.9	165.8	117.2	121.0	94.7	180.2	220.7	140.9	133.1	146.9	107.7	127.3	99.9	104.1	71.9	97.8	107.3	92.9	89.5	50.7
60-64	176.4	208.3	143.1	150.3	122.0	217.0	269.1	163.7	167.4	180.5	151.0	184.4	127.1	140.6	98.8	137.6	146.5	128.0	123.1	71.2
65-69	227.2	257.9	186.0	199.2	164.4	265.7	314.3	200.9	211.9	224.0	196.9	228.6	170.6	187.0	132.3	178.3	186.3	166.5	166.5	97.7
70-74	288.7	322.1	236.0	247.3	209.9	327.0	382.5	247.4	259.1	274.3	265.3	296.2	224.7	250.6	181.0	255.3	269.6	228.8	220.7	129.5
75-79	336.5	367.1	277.4	291.2	258.9	384.1	442.6	281.7	298.2	341.7	331.7	366.7	277.2	306.7	226.8	286.4	296.3	279.6	276.2	163.0
80-84	408.0	445.0	333.2	352.1	322.5	454.0	543.5	307.1	345.8	403.7	403.1	427.7	361.9	391.7	294.5	373.6	400.2	330.8	352.2	208.8
85+	527.4	571.8	434.8	458.2	428.0	547.0	643.3	407.4	413.8	478.2	550.3	609.9	435.3	529.5	395.6	476.6	495.6	453.3	477.8	285.4

**STANDARD ERRORS**

All	2.0	2.4	2.1	8.3	5.9	2.9	3.5	3.4	10.6	10.9	3.4	4.7	3.3	23.2	12.1	2.3	2.6	3.1	13.2	6.3
0-14	3.4	3.8	4.4	5.0	2.3	21.7	24.4	20.1	21.5	17.4	4.4	5.8	5.2	6.7	3.7	3.4	3.8	4.4	5.0	2.3
15-19	3.3	4.1	3.0	3.8	2.2	13.4	15.8	11.7	11.5	10.9	3.5	4.8	4.2	5.0	2.9	3.0	3.4	3.7	3.9	1.8
20-24	3.3	4.2	3.2	5.0	2.8	14.0	16.7	12.7	15.9	14.7	4.2	5.8	4.9	8.2	4.5	3.3	3.8	4.3	6.3	2.8
25-29	2.9	3.8	3.0	5.6	3.2	8.3	10.2	8.2	11.7	10.9	3.1	4.4	3.6	7.0	3.7	2.4	2.8	3.3	5.3	2.3
30-34	3.0	4.0	3.2	7.2	4.1	7.0	8.7	8.1	12.9	12.1	3.4	5.0	3.9	8.8	4.7	2.6	3.3	3.5	6.8	3.0
35-39	2.5	3.4	2.7	5.9	3.6	5.6	7.1	6.4	10.2	9.9	3.0	4.4	3.3	7.9	4.2	2.3	2.8	3.2	6.1	2.7
40-44	2.8	3.8	3.1	7.6	4.8	6.0	8.1	7.6	13.1	13.1	3.8	6.1	4.4	11.7	6.2	2.9	3.7	4.1	9.3	4.0
45-49	2.8	3.9	3.2	7.8	5.2	5.3	7.6	6.9	11.7	12.4	3.8	6.4	4.3	12.6	6.6	3.1	4.0	4.5	10.3	4.4
50-54	3.0	4.2	3.6	8.3	5.9	5.0	8.0	6.4	12.1	13.2	4.7	7.6	5.5	15.3	7.9	3.8	4.7	5.9	13.1	5.6
55-59	3.2	4.5	3.9	8.9	6.4	5.0	8.0	6.7	12.9	13.4	5.2	8.4	6.2	18.3	9.2	4.5	5.8	6.7	15.8	6.7
60-64	3.4	4.8	4.3	10.0	7.2	5.2	8.2	7.0	15.4	15.0	6.2	9.9	7.3	23.3	11.6	5.6	7.0	8.7	21.3	9.0
65-69	3.8	5.1	5.1	13.3	8.7	5.5	8.3	7.8	19.2	16.8	6.3	9.6	8.4	29.7	14.3	6.3	7.7	10.9	28.7	11.9
70-74	4.5	5.8	6.5	18.3	10.9	6.8	10.0	9.9	25.4	20.4	7.1	9.9	10.5	39.4	18.7	7.7	9.5	14.4	39.2	15.6
75-79	5.5	6.9	8.4	25.6	14.5	9.3	13.4	13.3	34.7	27.5	8.2	11.1	13.1	48.6	23.0	8.8	10.6	18.4	51.1	20.1
80-84	8.1	9.9	12.2	37.4	21.0	15.1	22.0	18.8	47.3	38.1	11.2	14.5	19.3	66.8	30.5	13.1	16.1	24.0	70.4	27.5
85+	13.8	16.8	19.4	57.8	34.2	27.4	39.1	31.2	66.2	53.8	18.3	24.3	26.9	96.1	46.6	21.0	25.0	36.9	103.3	41.0

Table H.145.3

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years**

*all ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	194.9	215.5	168.3	180.2	155.0	260.0	279.0	230.8	222.8	277.8	223.4	301.0	163.0	184.9	162.7	126.5	139.0	104.5	99.2	74.4
0-14	12.2	10.9	20.8	11.6	7.9	70.4	65.3	101.6	58.9	57.9	17.3	14.3	22.8	13.8	10.1	12.2	10.9	20.8	11.6	7.9
15-19	16.8	15.4	20.1	16.3	9.6	70.0	60.3	84.0	51.9	54.9	22.5	17.3	25.9	16.5	12.2	16.2	12.9	24.0	14.2	9.7
20-24	20.3	18.6	24.2	19.5	11.9	71.3	64.6	84.5	54.7	58.0	24.7	20.0	28.2	19.1	14.2	18.1	15.2	26.8	16.1	11.1
25-29	32.4	29.6	39.0	31.7	19.9	81.8	73.8	96.4	63.9	69.1	30.6	25.6	34.0	24.5	18.2	23.4	19.6	34.2	21.0	14.3
30-34	40.0	39.3	42.8	38.9	24.5	76.5	72.5	89.9	61.7	65.0	31.2	28.6	33.2	26.2	19.0	23.7	20.7	32.5	22.3	15.2
35-39	58.6	58.9	60.6	55.7	36.0	103.3	99.5	113.9	84.9	88.0	46.0	41.0	48.2	38.5	28.6	36.7	33.4	49.1	33.3	22.4
40-44	78.7	78.1	81.8	78.5	52.9	131.1	125.1	143.8	115.8	119.8	66.9	60.8	72.5	56.5	41.6	50.8	46.2	64.3	48.3	33.3
45-49	91.2	90.3	94.8	89.4	64.2	141.1	144.4	136.8	119.8	133.7	75.4	72.6	80.4	64.6	47.6	58.6	53.9	73.9	56.4	38.9
50-54	124.3	132.2	116.9	123.1	91.2	185.5	206.4	165.0	148.5	168.5	99.7	107.1	95.5	90.5	67.6	78.5	76.1	87.5	79.5	53.1
55-59	158.9	165.7	153.0	152.7	116.6	217.5	245.9	190.8	176.5	198.2	131.1	137.9	128.4	117.2	88.7	105.8	102.1	121.2	101.4	68.5
60-64	209.1	228.9	186.6	204.9	160.2	273.5	320.9	227.4	228.5	241.2	193.1	220.5	178.2	176.0	124.0	150.3	148.3	153.9	150.5	105.3
65-69	265.4	292.0	229.1	258.7	212.2	316.0	368.7	249.3	276.2	301.5	239.8	281.5	201.3	227.4	170.5	196.2	199.9	197.8	189.3	125.9
70-74	328.7	361.5	276.9	332.1	277.7	385.5	434.5	310.7	363.8	373.0	307.2	355.6	252.5	293.4	218.6	271.9	285.9	239.3	262.3	177.9
75-79	398.9	430.9	335.4	394.4	351.2	446.5	498.5	365.7	404.3	443.8	388.9	433.5	312.1	392.2	293.6	352.5	366.4	311.2	336.2	250.2
80-84	466.6	500.5	394.4	458.0	395.2	510.5	607.8	395.7	474.6	457.0	458.7	487.0	398.4	466.3	363.9	443.8	464.9	373.6	416.4	306.6
85+	572.4	605.8	500.7	572.6	503.7	593.0	660.6	494.5	536.5	556.6	596.9	645.9	522.6	607.9	444.0	533.6	557.0	433.6	541.4	379.3

**STANDARD ERRORS**

All	1.6	2.3	2.3	9.9	6.2	2.0	2.8	3.1	10.1	10.6	2.0	3.7	2.5	19.8	9.5	1.3	1.7	2.4	10.2	4.6
0-14	2.3	2.1	4.5	3.5	2.1	14.2	14.8	23.6	17.5	15.8	3.6	3.4	5.4	4.5	2.9	2.3	2.1	4.5	3.5	2.1
15-19	2.8	2.7	3.7	4.2	2.2	12.7	12.9	18.1	14.0	13.8	4.1	3.8	5.6	5.0	3.2	2.7	2.4	4.6	3.9	2.3
20-24	2.2	2.3	3.0	4.0	2.1	8.7	9.7	12.8	11.7	11.2	3.1	3.2	4.2	4.8	3.0	1.9	1.9	3.5	3.7	2.1
25-29	2.1	2.3	3.1	5.3	2.8	6.0	6.9	10.1	11.3	10.9	2.6	3.1	3.7	5.4	3.2	1.6	1.8	3.2	4.2	2.3
30-34	1.9	2.2	2.8	5.7	3.0	4.0	4.6	7.8	9.7	9.2	2.1	3.0	3.1	5.3	3.0	1.4	1.7	2.9	4.1	2.2
35-39	2.0	2.5	3.1	7.1	3.8	4.0	4.8	8.5	11.8	11.0	2.5	3.9	3.6	7.2	4.2	1.8	2.3	3.7	5.6	2.9
40-44	2.1	2.8	3.3	8.6	4.9	4.3	5.3	8.9	13.8	13.6	2.9	4.9	4.2	9.7	5.5	2.0	2.7	4.1	7.4	3.9
45-49	2.1	2.8	3.3	8.3	5.3	4.0	5.5	6.9	12.4	13.4	3.0	5.2	4.2	10.3	5.8	2.1	2.8	4.6	8.0	4.3
50-54	2.4	3.4	3.6	9.8	6.7	4.3	6.6	6.7	13.2	14.9	3.4	6.5	4.7	13.4	7.6	2.6	3.4	5.5	10.9	5.6
55-59	2.7	3.8	4.1	11.1	7.9	4.4	6.8	6.5	14.3	16.0	4.1	7.3	5.7	16.7	9.5	3.3	4.2	7.3	13.4	7.0
60-64	3.1	4.4	4.5	13.5	9.9	4.9	7.8	7.1	17.4	17.9	5.2	9.2	7.1	24.1	12.6	4.2	5.4	8.9	19.3	10.4
65-69	3.4	4.7	4.9	16.5	11.5	5.0	7.8	7.1	20.0	19.9	5.2	8.8	7.2	30.0	15.6	4.8	6.0	10.7	23.9	12.0
70-74	4.0	5.4	5.9	22.3	14.3	6.0	9.0	8.9	28.3	23.4	5.8	9.0	8.3	37.0	18.7	6.0	7.6	12.5	33.7	16.6
75-79	5.1	6.6	8.1	30.4	19.4	8.2	12.3	12.6	36.7	31.7	7.0	9.8	11.0	50.6	24.9	7.7	9.6	17.2	44.6	23.3
80-84	7.4	9.4	12.5	43.6	25.2	13.7	22.3	19.3	52.8	39.7	9.5	12.7	16.3	64.5	31.7	11.2	13.9	25.0	60.6	31.0
85+	12.4	15.6	20.1	64.8	39.6	23.8	37.8	35.6	70.3	55.6	15.4	21.3	25.3	89.8	45.8	17.5	22.5	31.4	85.7	43.5



Table H.1454

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years***all ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	120.4	108.2	147.7	138.0	100.9	198.4	170.9	250.8	240.4	227.0	164.8	188.2	152.9	131.6	133.6	83.2	81.5	93.7	72.1	65.1
0-14	11.6	10.0	21.2	13.2	7.9	52.4	49.2	94.5	68.1	42.5	15.6	11.4	22.3	14.8	8.9	11.6	10.0	21.2	13.2	7.9
15-19	14.7	13.5	21.6	18.0	8.7	49.6	47.4	83.4	64.3	42.0	20.1	14.9	27.6	18.8	11.7	15.1	13.2	25.4	16.7	10.3
20-24	19.6	17.9	27.5	22.8	11.8	57.0	54.3	89.9	71.3	48.4	24.5	18.7	31.9	22.6	14.7	19.1	16.5	30.2	19.7	12.8
25-29	25.8	23.0	33.6	28.7	15.6	66.7	60.7	93.9	76.4	53.5	30.0	22.1	36.4	26.2	17.7	22.9	20.1	32.4	22.5	15.3
30-34	32.5	29.5	40.9	36.5	21.5	65.6	62.6	92.7	79.0	57.9	31.9	26.0	38.1	29.6	20.8	27.1	23.6	36.7	25.4	18.4
35-39	42.6	39.3	54.4	46.2	28.2	77.6	72.8	107.7	92.3	71.0	40.6	32.7	49.4	36.7	26.6	32.9	29.8	45.2	30.6	22.6
40-44	56.1	52.0	68.9	62.9	36.9	94.8	88.3	135.2	116.5	86.4	56.7	50.4	62.1	49.7	36.8	44.2	39.9	59.4	42.5	31.7
45-49	72.2	65.4	88.8	75.9	49.6	125.7	118.6	151.3	131.4	108.1	73.1	60.5	80.9	62.7	48.6	54.2	49.2	72.0	52.1	40.2
50-54	99.1	88.7	121.6	120.7	76.6	169.2	160.0	189.0	181.1	153.2	111.2	91.8	120.8	94.5	75.1	73.5	70.9	89.9	76.3	58.5
55-59	121.3	104.6	152.4	130.1	92.7	205.5	208.3	207.0	190.0	171.1	126.6	107.5	139.9	106.7	90.3	88.9	80.9	121.9	89.1	73.0
60-64	161.5	145.5	187.5	185.4	136.8	255.2	252.9	260.6	264.9	224.6	176.4	179.4	174.2	153.7	138.2	130.4	124.6	156.2	126.8	109.7
65-69	227.4	213.6	251.2	240.2	191.1	326.5	351.6	311.2	308.6	303.3	235.5	241.2	233.8	212.0	189.9	183.8	177.8	210.8	177.8	151.0
70-74	295.5	292.0	303.2	309.2	279.6	388.9	438.0	350.5	372.7	384.1	306.4	323.5	291.7	275.9	273.8	243.3	242.1	262.9	219.1	207.1
75-79	382.8	393.0	369.1	400.9	352.2	457.0	509.1	417.0	445.5	476.7	405.3	454.8	353.6	368.1	358.2	329.2	334.0	328.1	293.1	270.4
80-84	496.5	516.5	463.0	495.6	463.2	540.0	632.9	462.7	535.7	559.4	512.6	541.8	480.5	468.6	465.3	472.3	487.4	412.4	356.4	376.3
85+	642.4	672.1	590.2	652.8	647.7	718.3	796.1	581.1	658.4	713.7	666.5	754.9	592.3	592.8	635.1	576.5	592.7	509.0	476.6	504.8
	STANDARD ERRORS																			
All	1.1	1.0	1.5	6.3	3.4	3.2	2.5	4.3	13.8	13.5	2.7	3.2	2.3	16.6	8.8	1.2	1.0	1.8	6.2	3.3
0-14	2.2	2.0	4.5	3.8	2.0	11.7	10.9	21.6	20.6	11.7	3.7	2.7	5.2	5.0	2.6	2.2	2.0	4.5	3.8	2.0
15-19	2.4	2.3	4.0	4.6	2.0	10.2	9.5	17.2	17.4	10.5	4.1	3.0	5.6	5.7	3.0	2.4	2.2	4.6	4.3	2.3
20-24	2.0	1.9	3.4	4.6	2.1	8.8	8.1	13.9	15.8	9.8	3.7	2.8	4.7	5.8	3.1	1.9	1.8	3.7	4.1	2.3
25-29	1.5	1.6	2.8	5.0	2.3	7.2	6.6	10.9	14.4	9.0	3.2	2.6	4.0	6.0	3.1	1.5	1.5	2.8	4.1	2.2
30-34	1.3	1.4	2.6	5.5	2.8	4.3	4.4	8.4	12.9	8.6	2.7	2.6	3.4	6.2	3.3	1.3	1.3	2.6	4.1	2.3
35-39	1.3	1.4	2.7	5.9	3.1	3.6	3.7	8.6	13.3	9.4	2.6	2.7	3.5	7.1	3.8	1.3	1.4	2.8	4.4	2.6
40-44	1.4	1.6	2.7	7.3	3.6	3.6	3.7	9.2	15.0	10.4	2.8	3.7	3.5	9.0	4.7	1.5	1.6	3.2	5.7	3.2
45-49	1.6	1.8	2.9	7.8	4.3	4.2	4.6	8.8	15.2	12.1	3.0	4.1	3.8	10.7	5.8	1.7	1.9	3.6	6.5	3.8
50-54	2.0	2.3	3.7	10.8	6.0	5.4	6.3	9.6	18.4	15.7	3.9	5.4	5.0	15.2	8.4	2.1	2.4	4.6	9.0	5.1
55-59	2.3	2.7	4.2	10.8	6.9	6.2	8.4	9.0	17.1	16.7	4.4	6.0	5.6	16.7	9.5	2.6	2.8	6.1	10.3	6.3
60-64	2.9	3.5	4.9	14.9	9.8	7.2	10.1	10.2	22.9	21.0	5.6	8.7	6.9	23.6	14.0	3.7	4.1	7.7	14.9	9.5
65-69	3.8	4.7	6.2	19.7	13.5	8.6	13.2	11.4	27.0	27.1	6.7	10.2	8.6	32.7	18.9	4.7	5.2	10.3	21.8	13.2
70-74	4.9	6.2	7.8	26.7	18.4	10.5	16.4	13.6	35.2	34.0	8.2	12.1	10.9	41.9	25.5	6.2	7.0	13.0	27.8	17.9
75-79	7.1	9.1	11.1	39.0	26.3	15.3	23.3	19.4	47.1	46.9	11.2	16.4	14.5	58.0	35.6	9.3	10.6	18.6	40.2	25.4
80-84	11.9	15.0	18.6	55.9	41.4	26.2	38.9	30.0	64.8	60.8	17.1	22.7	24.0	78.3	49.8	16.6	19.0	28.2	53.5	41.0
85+	20.6	26.2	30.6	85.3	65.6	49.1	62.8	49.7	92.3	86.2	28.0	39.5	35.1	103.6	73.6	27.0	30.5	40.9	78.6	60.8



Table H.15

**Death Rates: by Age Group**

male ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	168.3	188.2	136.4	141.9	136.8	229.3	250.6	186.6	186.5	233.5	206.4	275.9	143.1	156.8	155.7	120.0	129.9	100.9	89.5	77.0
0-14	15.4	13.7	24.3	14.4	9.5	78.0	72.4	99.4	65.0	54.7	19.7	16.8	24.3	16.1	11.1	15.4	13.7	24.3	14.4	9.5
15-19	14.8	13.5	17.2	14.2	8.0	51.3	46.0	56.2	39.6	35.6	17.5	14.4	19.6	13.8	9.5	13.9	11.7	19.5	12.4	8.3
20-24	21.3	19.8	24.6	20.6	12.1	66.0	61.1	71.5	52.6	47.8	23.9	20.6	26.4	19.9	13.9	19.7	17.4	27.9	17.8	11.8
25-29	28.8	26.0	32.7	27.9	17.0	69.5	64.9	76.9	56.3	51.3	27.2	23.5	29.7	23.3	16.5	22.1	18.7	31.0	20.8	14.0
30-34	39.2	37.4	42.0	38.4	23.8	78.8	77.8	85.0	64.8	59.0	32.5	30.6	33.3	29.5	20.6	27.4	23.8	37.9	26.1	17.9
35-39	48.9	47.9	53.2	47.2	30.7	88.6	87.4	92.1	75.5	70.2	40.9	36.2	44.5	36.3	25.9	35.3	30.4	50.1	32.3	22.4
40-44	64.8	66.2	66.9	63.0	42.2	109.1	107.6	111.8	97.6	89.2	58.0	57.4	60.7	50.7	36.3	48.3	45.3	61.0	44.8	31.3
45-49	80.8	82.7	81.5	79.9	55.0	128.9	137.1	115.3	110.2	103.8	69.7	66.7	72.8	63.3	44.7	58.6	53.9	73.2	56.9	39.9
50-54	109.4	111.5	106.3	109.2	81.6	159.4	170.8	143.6	137.3	139.3	98.9	103.6	98.4	90.4	68.0	79.3	76.5	90.7	79.8	57.5
55-59	138.2	142.3	133.5	135.3	100.8	191.1	214.8	162.4	157.6	162.7	121.9	126.3	121.6	113.0	81.8	101.8	96.5	122.9	102.4	69.8
60-64	181.6	197.3	163.8	177.1	134.9	233.7	267.8	189.4	207.9	188.1	177.2	203.3	159.6	162.7	118.7	150.6	152.7	157.1	143.0	100.6
65-69	252.7	273.0	222.5	242.9	194.2	303.4	344.4	240.0	255.2	248.6	237.2	266.0	204.2	230.3	163.1	209.0	210.2	215.4	201.3	144.1
70-74	319.0	341.7	271.5	313.6	254.4	367.4	402.3	290.4	343.8	330.0	309.4	339.9	256.4	291.8	221.5	276.1	285.8	258.5	265.1	183.5
75-79	390.0	411.8	331.6	378.0	323.2	435.9	472.8	344.8	389.6	384.1	385.0	412.7	319.9	383.8	288.7	353.2	360.6	328.6	341.0	256.9
80-84	473.4	494.5	398.2	463.2	392.0	529.4	594.1	404.9	463.6	434.2	457.3	472.7	395.3	501.0	378.2	449.8	466.7	395.9	432.4	312.3
85+	601.3	614.4	522.4	601.1	522.7	609.3	667.6	495.6	566.5	533.1	606.9	631.3	531.2	654.6	500.3	568.9	574.9	534.2	595.6	424.2

**STANDARD ERRORS**

All	0.7	1.0	1.1	5.2	3.3	1.8	2.8	3.3	11.5	10.4	1.8	3.6	2.4	16.9	9.0	1.1	1.6	2.2	8.5	4.5
0-14	1.5	1.5	2.9	2.5	1.4	8.7	9.4	13.2	11.3	8.8	2.3	2.3	3.3	3.2	1.9	1.5	1.5	2.9	2.5	1.4
15-19	1.6	1.4	1.9	2.1	1.1	6.1	6.3	7.8	6.8	5.7	2.1	2.0	2.7	2.6	1.6	1.5	1.4	2.4	2.1	1.3
20-24	1.4	1.4	1.8	2.5	1.3	5.3	6.2	7.4	7.3	6.1	1.9	2.2	2.6	3.2	1.9	1.3	1.4	2.4	2.5	1.4
25-29	1.3	1.3	1.8	2.9	1.5	3.9	4.8	6.5	6.9	5.8	1.7	2.1	2.4	3.4	2.0	1.1	1.2	2.2	2.6	1.5
30-34	1.2	1.4	1.8	3.5	1.9	3.2	3.9	6.0	7.1	6.0	1.6	2.4	2.3	4.0	2.3	1.1	1.3	2.4	3.1	1.8
35-39	1.2	1.4	1.9	3.8	2.2	2.8	3.4	5.8	7.6	6.6	1.7	2.6	2.5	4.6	2.7	1.2	1.4	2.7	3.5	2.1
40-44	1.2	1.6	1.9	4.5	2.7	2.9	3.5	5.9	8.9	7.8	2.0	3.5	2.7	6.0	3.5	1.4	1.7	2.8	4.6	2.7
45-49	1.3	1.7	2.0	5.1	3.2	2.9	3.8	5.0	9.0	8.4	2.1	3.6	2.8	7.0	4.1	1.6	1.9	3.2	5.6	3.3
50-54	1.6	2.1	2.5	6.3	4.3	3.2	4.3	5.2	10.1	9.9	2.7	4.8	3.6	9.5	5.9	2.0	2.4	4.2	7.5	4.5
55-59	1.8	2.4	2.9	7.4	4.9	3.4	4.8	5.2	10.9	10.8	3.1	5.2	4.2	11.8	6.7	2.5	2.9	5.6	9.5	5.4
60-64	2.1	2.9	3.3	9.5	6.2	3.8	5.4	5.7	14.2	11.8	3.9	6.3	5.3	16.4	9.3	3.3	4.0	7.0	13.2	7.6
65-69	2.6	3.3	4.2	12.9	8.2	4.3	5.8	6.7	17.3	14.1	4.3	6.2	6.1	22.7	12.0	3.9	4.6	8.9	18.4	10.5
70-74	3.1	3.8	5.3	17.7	10.3	5.3	6.8	8.6	24.9	18.6	4.8	6.2	7.7	28.1	14.8	4.7	5.4	10.5	24.6	12.9
75-79	4.0	4.7	7.3	23.5	13.6	7.3	9.3	12.3	32.3	23.2	5.7	7.0	10.1	37.6	19.0	6.1	6.8	14.4	32.4	18.3
80-84	5.8	6.8	11.2	33.3	18.4	12.3	16.4	19.6	43.5	30.0	7.8	9.2	15.2	52.6	25.6	9.0	10.3	20.4	45.0	24.0
85+	9.7	11.6	18.1	48.5	28.2	21.1	30.5	31.9	58.1	41.4	13.1	15.8	23.8	72.6	38.4	14.6	17.0	32.0	66.6	35.1



Table H.155.1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year***male ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	210.4	252.0	137.6	138.7	151.2	239.3	274.1	169.0	162.8	210.1	249.6	323.6	146.4	169.2	170.6	189.3	217.7	130.2	123.0	100.4
0-14	27.3	26.4	35.9	19.0	9.2	97.0	102.6	103.0	59.9	38.6	19.7	24.4	23.1	14.5	7.9	27.3	26.4	35.9	19.0	9.2
15-19	16.2	14.8	13.0	9.8	5.4	37.3	33.3	28.8	18.5	13.6	11.6	11.7	10.7	7.1	4.0	15.8	12.7	16.4	9.2	4.6
20-24	26.8	28.4	25.3	19.5	10.9	59.7	61.6	53.3	35.9	26.7	20.2	23.3	21.4	14.9	8.5	27.5	25.5	32.8	19.0	9.5
25-29	32.9	34.4	30.1	24.6	14.2	60.7	63.1	53.2	37.2	28.2	21.7	25.1	22.1	16.8	9.7	28.5	25.9	34.3	21.0	10.7
30-34	54.0	57.5	51.2	41.8	25.0	87.6	92.3	78.7	56.7	43.7	34.3	40.8	34.1	27.7	16.4	45.7	40.0	58.2	34.6	18.1
35-39	59.6	65.2	57.2	47.4	29.0	94.4	101.8	80.7	64.5	50.5	41.5	47.5	41.1	33.8	20.3	53.4	46.7	67.3	41.2	21.8
40-44	68.2	78.7	61.4	55.2	34.6	103.9	112.7	88.6	71.0	57.4	48.4	57.7	46.5	40.9	24.8	59.7	57.3	70.7	49.4	26.1
45-49	84.7	95.5	72.4	72.5	46.2	115.9	131.4	93.7	87.3	69.9	62.4	74.7	58.8	52.7	32.6	71.2	69.3	80.3	64.6	34.9
50-54	112.9	125.7	96.1	95.5	66.5	146.8	168.0	121.5	112.9	96.3	87.2	105.0	80.4	77.0	48.6	95.8	96.3	105.9	88.3	51.1
55-59	140.0	155.9	116.1	124.2	84.1	171.9	195.5	136.2	141.3	120.2	115.4	134.8	103.5	102.1	65.4	125.6	129.0	130.3	120.5	65.9
60-64	178.4	208.1	142.1	149.4	106.5	206.6	240.8	157.4	170.5	139.2	160.9	191.6	131.2	139.6	91.9	189.1	199.8	179.2	157.1	92.8
65-69	268.5	295.1	211.9	232.1	185.9	288.2	326.2	211.4	237.7	226.8	240.5	272.6	186.1	215.9	146.0	258.6	258.6	261.9	240.1	150.9
70-74	332.1	360.1	267.8	305.6	229.6	356.5	389.8	266.4	318.5	283.0	318.1	344.6	249.9	282.6	193.5	317.6	326.2	294.7	318.4	187.0
75-79	399.2	421.2	316.6	377.0	292.8	420.6	453.9	315.4	392.0	338.4	373.3	401.0	290.4	369.2	258.1	394.8	402.7	375.1	396.4	249.0
80-84	485.6	499.3	407.7	484.9	371.9	530.4	571.4	417.3	460.9	408.9	460.6	477.1	378.0	507.4	354.6	461.4	470.7	441.4	545.9	327.1
85+	616.3	627.6	537.8	632.7	510.5	589.4	684.7	436.2	578.9	527.0	596.0	612.4	511.3	681.2	496.8	617.9	610.2	684.3	734.8	452.9
	STANDARD ERRORS																			
All	0.6	2.6	2.6	11.9	7.8	3.2	3.6	3.9	14.2	11.8	3.9	4.9	3.6	27.5	12.9	3.2	3.4	3.8	17.7	8.5
0-14	4.4	4.5	6.6	6.2	2.5	17.8	20.1	20.8	18.9	10.6	4.0	5.3	5.0	5.3	2.4	4.4	4.5	6.6	6.2	2.5
15-19	3.7	3.5	3.2	3.2	1.6	9.0	8.9	7.7	6.3	4.3	2.9	3.2	2.9	2.8	1.3	3.5	3.1	4.1	3.3	1.4
20-24	3.5	3.9	3.6	4.8	2.3	9.1	10.3	9.2	9.3	6.2	3.2	4.2	3.7	4.7	2.1	3.8	3.8	5.1	5.3	2.2
25-29	3.0	3.5	3.3	5.2	2.6	6.7	7.7	7.3	8.3	5.6	2.7	3.7	3.1	4.8	2.2	3.0	3.2	4.4	5.3	2.2
30-34	3.3	4.2	4.1	7.6	3.9	6.8	8.0	8.9	11.0	7.6	3.5	5.2	4.0	7.2	3.3	3.7	4.1	5.9	7.8	3.3
35-39	3.0	4.0	3.9	7.7	4.1	6.1	7.4	8.1	11.3	8.0	3.6	5.5	4.2	8.1	3.7	3.7	4.2	5.9	8.6	3.7
40-44	2.9	4.1	3.7	7.9	4.4	5.7	7.1	7.9	11.1	8.3	3.7	6.0	4.3	9.2	4.2	3.8	4.6	5.9	9.5	4.1
45-49	2.9	4.2	3.8	9.2	5.3	5.2	7.0	7.1	12.1	9.2	4.2	7.1	4.8	11.0	5.0	4.1	5.0	6.5	11.7	5.1
50-54	3.2	4.6	4.6	10.7	6.7	5.4	7.4	7.7	14.1	11.3	5.2	8.8	6.2	15.2	7.0	5.1	6.2	8.7	15.2	7.0
55-59	3.4	4.9	5.2	12.9	7.7	5.5	7.5	7.8	16.3	13.0	6.2	9.8	7.6	19.3	8.7	6.2	7.5	10.5	20.2	8.6
60-64	3.6	5.4	5.9	15.1	8.9	5.9	8.0	8.5	19.6	13.9	7.0	10.3	8.7	25.3	11.4	7.7	9.3	13.5	25.7	11.5
65-69	4.5	6.0	7.9	23.3	13.8	6.8	8.7	10.3	27.1	19.9	7.8	10.2	10.9	38.1	16.9	8.6	9.6	18.0	38.9	17.6
70-74	5.2	6.5	9.9	32.6	16.3	8.3	10.1	13.6	38.4	24.8	8.5	10.1	13.9	49.9	20.6	9.3	10.3	19.9	52.3	21.3
75-79	6.4	7.7	12.6	44.2	21.0	11.2	13.3	18.6	53.3	30.4	9.4	10.9	16.1	65.5	26.7	11.3	12.3	26.0	66.3	28.8
80-84	9.2	10.9	20.1	67.2	29.4	18.9	22.5	30.9	72.1	42.5	13.0	14.5	25.0	95.0	36.8	15.4	16.7	34.8	102.1	39.3
85+	15.4	18.9	31.3	98.9	46.8	32.8	45.0	40.4	99.1	60.4	21.2	24.0	36.6	136.2	58.7	26.0	28.0	61.0	147.6	58.5



Table H.155.2

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years**

male ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	179.3	218.6	124.1	123.4	133.2	236.7	278.8	166.1	147.3	221.2	208.1	281.8	132.6	149.8	149.1	130.3	154.5	90.5	82.5	66.4
0-14	14.7	15.3	15.6	11.5	6.1	85.6	89.5	67.6	51.0	47.0	16.7	20.6	17.6	14.4	9.6	14.7	15.3	15.6	11.5	6.1
15-19	13.8	16.8	11.7	11.1	6.8	43.9	49.1	34.1	26.5	27.6	11.4	14.8	12.5	10.4	7.1	10.1	11.1	11.1	8.4	4.5
20-24	24.5	29.5	20.7	19.8	12.5	88.9	98.4	67.7	53.8	56.7	25.4	32.1	26.9	23.0	15.7	22.9	24.4	24.3	18.7	10.2
25-29	32.3	38.8	27.8	26.6	17.4	78.0	85.4	58.4	47.0	50.1	24.0	30.1	24.9	21.8	15.1	21.0	22.7	22.9	17.9	9.9
30-34	50.0	59.7	42.2	40.9	27.4	102.6	111.4	75.7	62.2	66.8	34.5	42.7	34.9	31.3	21.8	30.9	33.0	32.3	25.8	14.4
35-39	48.0	56.5	40.2	39.1	27.1	90.4	99.0	66.0	55.5	60.5	34.0	40.8	33.5	30.3	21.4	30.4	31.7	31.2	25.3	14.3
40-44	72.6	85.8	61.1	60.1	43.2	124.8	144.6	96.6	83.7	92.7	55.9	66.6	53.7	49.6	35.5	48.4	52.0	50.4	41.8	23.8
45-49	89.7	105.2	75.3	74.8	54.8	139.2	160.2	104.8	91.6	101.8	64.2	78.1	61.5	59.1	42.5	57.3	61.3	59.2	50.3	28.9
50-54	111.8	130.5	94.4	94.4	72.4	157.8	189.4	122.2	110.1	125.5	84.7	101.2	80.1	77.5	56.5	75.5	80.0	77.4	66.7	38.9
55-59	141.0	164.9	116.0	118.7	92.6	191.3	226.0	144.8	132.4	150.5	106.1	129.5	99.4	100.1	73.2	96.8	105.1	96.8	86.6	50.8
60-64	184.7	213.6	146.5	148.2	119.8	236.2	282.0	172.9	164.2	187.4	160.8	180.1	133.9	134.7	100.3	141.7	146.4	130.1	118.2	70.1
65-69	233.0	260.2	188.0	195.0	160.4	286.5	331.2	207.0	201.9	231.2	203.3	224.8	174.9	178.8	132.9	177.7	187.1	167.8	157.6	94.8
70-74	289.7	316.6	237.5	245.3	209.1	335.1	389.2	254.2	252.5	291.3	269.6	296.6	229.6	242.1	183.9	250.7	258.4	228.3	216.0	131.2
75-79	349.2	373.9	284.2	287.2	253.8	416.5	464.3	290.5	285.9	338.6	342.8	367.2	284.0	298.8	229.3	294.2	308.1	277.9	269.7	165.4
80-84	421.3	453.3	339.1	351.9	320.9	495.1	566.6	326.4	337.3	403.7	411.5	440.2	357.7	383.1	299.1	380.1	401.3	347.7	348.4	215.0
85+	540.4	579.2	443.5	462.0	428.6	544.3	639.1	402.6	415.3	497.7	568.5	613.8	453.8	509.4	399.8	496.2	522.7	466.3	468.9	291.2

**STANDARD ERRORS**

All	3.1	2.9	2.7	11.4	8.1	4.0	4.1	4.1	13.0	13.1	4.2	5.1	3.5	21.0	12.3	3.0	3.0	3.2	12.4	6.5
0-14	3.5	4.3	4.6	5.1	2.4	22.0	26.8	20.7	21.8	18.2	4.5	6.5	5.5	6.9	4.0	3.5	4.3	4.6	5.1	2.4
15-19	3.9	4.2	3.0	3.8	2.1	13.7	17.5	12.3	11.8	11.6	3.6	5.4	4.5	5.2	3.1	3.0	3.8	3.9	3.9	1.9
20-24	4.0	4.4	3.2	5.0	2.8	14.6	18.3	13.0	16.6	15.6	4.4	6.4	5.2	8.6	4.8	3.5	4.4	4.5	6.4	2.9
25-29	3.6	4.0	3.1	5.7	3.2	9.3	11.5	8.4	12.2	11.6	3.2	4.6	3.7	7.2	4.0	2.6	3.1	3.3	5.5	2.5
30-34	3.9	4.4	3.4	7.5	4.3	8.4	10.2	8.1	13.7	13.0	3.7	5.1	4.0	9.3	5.1	2.9	3.4	3.6	7.1	3.2
35-39	3.3	3.7	2.9	6.3	3.8	6.7	8.1	6.4	10.9	10.5	3.2	4.4	3.4	8.3	4.5	2.6	3.0	3.2	6.4	2.9
40-44	3.7	4.3	3.4	8.3	5.2	7.2	9.3	7.6	14.3	14.0	4.3	6.0	4.5	12.3	6.7	3.4	4.0	4.3	9.7	4.3
45-49	3.8	4.5	3.7	9.1	5.8	6.8	9.0	7.2	13.8	13.5	4.4	6.2	4.5	13.5	7.2	3.7	4.2	4.6	11.0	4.8
50-54	4.2	4.9	4.2	10.2	6.7	6.8	9.5	7.5	15.0	14.6	5.4	7.2	5.4	16.6	8.6	4.5	5.0	5.7	13.9	6.0
55-59	4.7	5.5	4.7	11.8	7.5	7.1	10.1	8.1	16.8	15.5	6.1	8.2	6.2	20.2	10.2	5.5	6.1	6.8	17.6	7.4
60-64	5.4	6.2	5.6	14.3	8.8	7.9	11.2	9.2	20.4	17.7	8.0	10.0	7.9	26.0	12.9	7.1	7.6	8.8	23.7	9.7
65-69	6.1	6.7	6.9	19.2	11.0	8.5	11.8	10.6	25.7	20.6	8.3	10.5	9.6	33.6	15.9	7.9	8.8	11.1	31.8	12.8
70-74	7.0	7.4	8.8	26.1	14.3	10.2	13.9	13.4	34.6	26.2	9.4	11.8	12.6	45.6	21.3	9.8	10.9	15.2	44.8	17.7
75-79	8.7	8.9	11.3	34.3	18.4	14.5	18.6	16.9	44.0	32.8	11.1	13.9	15.9	57.5	26.7	11.4	13.0	19.4	58.6	23.0
80-84	12.7	12.9	15.9	48.2	25.8	23.2	28.6	22.2	58.8	43.7	15.2	18.3	22.4	77.8	36.2	16.8	19.1	26.3	81.0	31.7
85+	21.2	21.1	24.3	72.1	40.1	34.9	40.9	32.0	81.9	62.2	25.4	30.4	31.8	110.3	52.7	27.1	29.8	39.6	117.2	46.4



Table H.155.3

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years***male ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	185.2	209.3	147.0	166.6	160.5	247.0	267.0	203.0	209.2	282.0	214.1	290.5	148.2	176.0	164.9	127.6	140.6	100.0	99.6	79.9
0-14	11.3	10.5	19.3	10.9	7.9	65.4	62.1	91.9	54.7	56.1	16.5	14.4	22.3	13.8	10.5	11.3	10.5	19.3	10.9	7.9
15-19	15.5	14.8	17.8	14.9	9.3	64.8	56.6	75.2	47.9	52.7	21.4	17.2	25.1	16.4	12.5	15.1	12.7	22.2	13.3	9.5
20-24	18.8	18.2	21.4	18.3	11.8	66.8	61.2	76.5	51.1	56.4	23.6	20.1	27.2	19.0	14.6	16.9	14.7	25.0	15.4	11.0
25-29	30.1	28.9	34.3	30.0	19.8	76.7	69.7	87.1	60.5	66.6	29.8	25.6	33.8	24.5	18.8	21.8	19.0	31.0	20.2	14.3
30-34	37.7	38.1	39.0	37.1	25.0	74.3	72.7	80.6	58.8	63.9	30.3	27.9	32.7	26.2	19.6	22.4	20.6	29.6	21.4	15.2
35-39	56.4	56.6	57.8	54.4	38.2	101.3	99.3	106.4	81.6	89.0	45.7	40.5	49.5	39.0	30.0	34.5	30.8	45.9	32.7	23.4
40-44	76.5	77.2	77.1	75.3	54.8	127.4	122.4	134.7	111.0	118.3	67.1	60.7	72.5	56.9	43.1	49.0	46.6	59.3	46.6	34.6
45-49	89.7	92.6	87.0	88.1	67.2	140.2	144.9	128.7	121.7	133.2	73.5	69.8	77.3	66.4	50.4	58.9	56.1	71.1	55.4	41.5
50-54	118.6	124.6	110.6	120.5	95.7	176.5	183.6	164.8	147.5	170.6	96.2	107.2	88.0	92.3	72.0	79.4	76.8	91.0	80.5	57.1
55-59	153.2	159.2	143.2	153.1	126.1	213.8	234.1	184.1	174.8	211.8	127.3	134.4	120.0	123.3	95.2	105.2	100.1	124.0	105.1	74.7
60-64	203.7	219.0	180.8	207.2	170.9	266.0	304.9	213.4	238.6	256.5	194.1	214.6	178.4	182.7	131.8	149.2	144.5	164.0	152.0	111.4
65-69	269.5	295.5	227.0	261.9	218.8	334.4	387.4	261.5	277.5	291.4	248.5	289.7	201.4	235.7	173.7	198.8	198.0	205.3	200.4	141.1
70-74	336.1	366.0	274.4	334.4	287.2	408.3	451.3	314.5	368.9	403.8	321.9	368.8	253.7	304.0	226.5	273.7	288.2	241.5	274.2	186.9
75-79	411.2	435.4	340.0	406.2	369.0	463.9	509.2	361.8	417.6	458.1	408.1	440.9	330.8	406.5	309.4	360.1	366.5	324.9	360.6	268.0
80-84	479.6	509.3	382.4	475.8	438.0	541.1	615.1	409.3	489.2	511.5	472.1	504.3	371.0	504.9	387.9	459.0	475.5	392.7	444.5	323.0
85+	594.4	619.9	487.9	599.8	559.5	638.5	711.1	481.8	570.3	601.9	619.7	652.3	526.2	650.1	477.2	562.4	579.2	453.4	591.4	421.2
	STANDARD ERRORS																			
All	1.8	2.7	2.8	13.6	8.8	2.3	4.8	5.4	18.7	18.6	2.3	6.0	3.8	27.7	14.6	1.5	3.0	3.7	15.1	7.5
0-14	2.1	2.2	4.3	3.4	2.1	12.8	14.5	21.9	16.7	15.6	3.3	3.5	5.4	4.6	3.1	2.1	2.2	4.3	3.4	2.1
15-19	2.4	2.9	3.5	4.0	2.2	11.5	12.4	16.6	13.3	13.5	3.8	3.8	5.5	5.1	3.4	2.5	2.5	4.5	3.8	2.4
20-24	2.0	2.4	2.9	3.9	2.1	8.1	9.5	12.0	11.3	11.2	2.9	3.2	4.2	4.9	3.1	1.9	2.0	3.5	3.6	2.2
25-29	2.0	2.5	3.1	5.2	2.9	6.1	7.5	10.2	11.2	10.9	2.5	3.2	3.8	5.6	3.4	1.6	2.0	3.3	4.2	2.4
30-34	1.9	2.5	2.9	5.7	3.1	4.3	5.6	8.0	9.7	9.4	2.1	3.1	3.3	5.5	3.2	1.5	1.9	3.0	4.1	2.3
35-39	2.1	2.9	3.4	7.3	4.2	4.5	6.0	9.3	12.1	11.8	2.7	4.0	4.1	7.6	4.5	1.9	2.5	4.0	5.8	3.2
40-44	2.3	3.3	3.7	8.8	5.4	4.9	6.5	10.2	14.6	14.2	3.2	5.3	4.8	10.2	6.0	2.2	3.2	4.6	7.6	4.4
45-49	2.3	3.6	3.8	9.0	5.9	4.7	6.9	8.5	14.3	14.8	3.2	5.6	4.8	11.2	6.5	2.5	3.5	5.3	8.5	5.0
50-54	2.7	4.2	4.4	10.9	7.5	5.1	7.9	9.2	15.4	16.8	3.8	7.5	5.3	14.6	8.6	3.1	4.4	6.8	11.7	6.6
55-59	3.1	4.8	5.2	12.9	9.2	5.5	8.9	9.1	17.6	19.6	4.6	8.5	6.8	19.0	10.9	3.9	5.4	9.0	14.8	8.3
60-64	3.7	5.8	6.1	16.6	11.5	6.4	10.7	10.1	22.9	22.1	6.2	11.1	9.4	27.1	14.4	5.0	6.9	11.6	21.1	12.0
65-69	4.3	6.6	7.3	21.2	14.0	7.2	11.7	11.8	26.9	24.1	6.6	11.4	9.9	34.2	18.0	5.9	8.0	14.0	27.9	15.1
70-74	5.0	7.5	9.0	28.9	17.8	8.9	13.8	14.8	38.7	32.8	7.5	11.8	12.2	43.3	22.0	7.3	9.9	16.1	38.6	19.4
75-79	6.5	9.1	12.5	39.1	24.1	12.1	18.4	20.5	48.9	40.7	9.1	13.0	17.0	59.9	29.8	9.6	12.7	22.6	52.0	28.5
80-84	9.3	12.9	17.3	52.4	32.0	19.6	32.4	29.4	63.1	50.7	12.2	17.2	22.1	78.8	39.5	13.7	18.1	31.2	69.5	36.6
85+	15.5	21.3	27.5	75.7	46.8	32.0	53.0	45.0	83.5	65.7	20.2	28.6	37.2	106.9	53.0	21.6	29.5	40.3	99.7	51.8

Table H.155.4

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years**

male ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	113.1	104.5	132.3	131.9	104.8	177.8	159.5	219.2	233.9	224.4	154.7	179.2	141.0	130.4	134.0	81.0	79.8	88.5	73.9	67.7
0-14	11.0	9.5	20.5	13.3	7.9	48.3	44.9	87.3	66.5	41.0	15.2	11.1	22.2	15.7	9.3	11.0	9.5	20.5	13.3	7.9
15-19	13.7	12.3	20.8	17.8	8.7	45.4	42.8	76.2	62.7	40.3	19.5	14.5	27.3	20.0	12.2	13.7	12.0	24.8	16.8	10.4
20-24	18.3	16.2	25.9	23.0	11.8	52.7	49.3	82.4	70.1	46.7	23.6	18.0	31.5	24.2	15.3	17.3	15.3	28.6	20.1	12.8
25-29	24.2	20.6	32.4	29.0	15.9	59.8	53.6	87.4	75.7	52.0	29.3	21.6	36.1	28.2	18.5	20.7	18.0	31.3	23.2	15.6
30-34	30.1	25.8	38.6	37.0	21.5	60.5	56.8	87.4	79.3	56.7	31.1	25.2	37.8	32.1	21.9	23.7	20.9	34.7	26.3	18.3
35-39	40.7	36.7	52.4	49.0	29.5	71.9	67.2	100.8	94.2	69.7	38.9	32.3	47.4	40.3	28.2	31.5	27.9	45.0	32.7	23.6
40-44	55.4	52.1	65.9	65.3	39.5	92.3	86.9	122.0	118.9	86.7	55.3	49.2	60.7	54.2	39.0	45.0	40.6	58.6	44.5	32.6
45-49	71.5	65.4	86.2	81.1	52.8	123.8	119.8	138.1	136.1	107.7	72.2	58.4	80.9	69.8	51.7	54.4	48.9	72.4	56.2	42.1
50-54	99.1	89.6	118.1	122.9	82.7	158.6	150.5	177.8	190.9	149.3	115.2	95.0	121.6	103.1	81.2	74.6	72.0	89.1	80.8	63.3
55-59	121.6	106.7	150.1	138.2	99.0	194.7	200.7	194.4	200.3	170.1	131.1	111.3	142.6	121.9	97.0	92.2	82.5	124.8	98.9	78.9
60-64	159.6	146.5	179.2	198.8	145.0	249.4	244.7	252.0	277.4	238.4	180.5	181.9	174.5	176.8	149.0	129.8	125.9	150.7	142.0	113.1
65-69	226.8	213.7	251.9	256.4	202.3	318.6	333.6	312.4	333.4	302.7	240.2	243.5	237.3	243.4	206.9	191.5	187.3	210.7	193.5	160.5
70-74	294.1	290.1	299.8	344.0	296.2	383.1	405.3	357.6	417.0	396.0	312.9	332.0	290.0	320.9	292.9	245.0	242.5	266.6	247.5	219.3
75-79	388.4	393.4	374.2	443.0	398.1	479.5	510.4	434.8	500.0	502.2	429.8	468.0	370.3	428.7	388.7	330.9	332.8	325.2	328.7	304.4
80-84	503.0	516.1	475.8	566.7	506.0	553.4	601.9	489.9	623.9	604.1	511.5	542.3	478.7	554.1	509.6	485.0	498.4	426.4	414.8	399.9
85+	649.4	657.4	597.9	751.5	732.0	754.1	770.6	608.0	760.1	780.5	700.5	770.4	606.2	724.9	715.4	567.8	593.1	503.9	550.0	547.4

**STANDARD ERRORS**

All	0.9	0.9	1.5	6.8	3.8	2.8	3.5	6.2	21.4	18.5	2.3	4.3	3.1	21.1	11.8	1.1	1.4	2.4	8.6	4.9
0-14	2.1	1.9	4.3	3.8	2.0	10.4	9.8	19.6	19.8	11.1	3.4	2.5	5.0	5.2	2.6	2.1	1.9	4.3	3.8	2.0
15-19	2.3	2.1	3.7	4.3	1.9	8.9	8.4	15.4	16.7	9.9	3.8	2.9	5.4	5.9	3.1	2.3	2.1	4.5	4.3	2.3
20-24	1.9	1.8	3.2	4.5	2.0	7.7	7.2	12.4	15.4	9.3	3.4	2.7	4.6	6.2	3.1	1.9	1.8	3.7	4.2	2.3
25-29	1.6	1.6	2.8	4.8	2.3	6.6	6.0	10.3	14.3	8.8	3.1	2.5	3.9	6.4	3.2	1.6	1.5	3.0	4.2	2.3
30-34	1.5	1.5	2.7	5.4	2.7	4.7	4.7	8.6	13.2	8.5	2.7	2.5	3.5	6.7	3.4	1.4	1.4	2.8	4.3	2.4
35-39	1.5	1.6	3.0	6.3	3.3	4.0	4.1	8.8	14.1	9.5	2.7	2.8	3.6	7.9	4.0	1.6	1.6	3.2	4.9	2.8
40-44	1.6	1.9	3.0	7.6	3.9	4.3	4.5	9.5	16.1	10.9	3.1	3.9	3.8	10.0	5.1	1.8	2.0	3.7	6.2	3.6
45-49	1.8	2.1	3.3	8.5	4.8	5.0	5.6	9.5	16.9	12.7	3.4	4.3	4.2	12.2	6.4	2.1	2.2	4.2	7.4	4.3
50-54	2.4	2.8	4.2	11.8	6.9	6.3	7.1	11.1	21.6	16.4	4.7	6.1	5.8	17.2	9.6	2.7	3.0	5.4	10.3	6.2
55-59	2.9	3.4	5.1	12.6	7.8	7.5	9.9	11.1	21.0	17.8	5.3	7.1	6.8	20.0	10.9	3.3	3.6	7.4	12.4	7.6
60-64	3.6	4.4	6.1	18.2	11.1	9.5	12.3	13.6	28.9	24.6	6.9	10.2	8.4	28.8	16.1	4.7	5.3	9.3	18.2	10.8
65-69	4.9	5.9	8.2	23.9	15.6	11.9	16.7	16.1	35.6	30.3	8.6	12.3	11.1	40.0	22.0	6.3	7.0	12.7	25.3	15.7
70-74	6.5	7.9	10.7	34.6	22.3	15.2	20.5	20.4	48.4	40.7	10.8	14.9	14.4	52.2	30.4	8.1	9.2	16.2	34.3	21.4
75-79	9.5	11.5	15.9	49.8	32.9	23.7	31.2	29.7	63.2	54.8	15.3	20.5	20.5	73.4	42.1	12.0	13.5	22.4	49.3	31.9
80-84	15.5	18.7	25.8	70.5	46.9	35.8	44.5	40.7	88.5	70.2	22.3	27.4	32.2	99.6	58.3	21.4	24.3	33.7	66.1	46.2
85+	26.2	32.0	39.0	104.5	75.3	63.0	68.8	59.3	118.6	100.1	37.6	48.1	45.6	137.7	88.7	32.9	37.6	45.0	95.5	68.4





Table H.16

**Death Rates: by Age Group**

female ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	183.5	198.0	170.4	158.8	132.1	243.9	266.4	220.5	198.7	225.2	227.6	302.5	174.5	172.3	154.9	117.7	126.3	109.0	87.2	67.9
0-14	17.3	15.3	26.3	13.8	9.3	86.0	80.7	109.4	63.4	54.7	21.5	18.1	25.9	15.3	10.8	17.3	15.3	26.3	13.8	9.3
15-19	16.5	15.3	19.8	14.5	8.2	55.6	50.9	61.5	38.5	35.5	18.8	15.3	21.0	12.9	9.2	15.5	13.0	21.3	11.8	8.0
20-24	23.4	22.2	28.9	20.8	12.2	71.0	67.7	79.1	50.7	47.1	26.0	22.0	29.1	18.6	13.2	21.6	18.4	31.1	16.7	11.5
25-29	31.3	31.0	37.3	28.1	16.9	75.4	76.3	80.7	53.6	51.1	29.0	25.5	31.6	21.6	15.4	24.7	22.1	33.8	19.4	13.3
30-34	42.2	41.9	47.7	37.7	23.6	80.7	79.1	88.9	61.2	57.3	34.7	32.0	37.4	26.6	19.2	30.4	27.8	39.9	24.2	17.1
35-39	51.6	51.6	55.6	45.9	29.5	91.6	92.1	94.1	70.7	66.9	42.1	40.0	44.1	33.1	23.9	37.2	34.7	48.8	29.4	20.4
40-44	67.3	65.3	72.8	62.3	40.1	113.2	112.1	122.5	91.9	83.4	56.5	54.4	60.1	46.1	33.0	47.3	42.5	61.4	42.2	28.7
45-49	83.1	81.8	88.8	75.1	51.2	128.8	133.8	127.8	98.6	99.1	70.3	73.4	72.2	55.6	41.0	56.1	52.2	69.1	50.8	34.7
50-54	112.3	119.0	114.4	104.0	72.5	164.3	195.3	141.4	123.3	130.4	96.3	95.6	102.2	81.3	57.5	79.1	77.3	91.1	74.5	48.8
55-59	139.7	147.0	139.4	125.7	91.4	185.0	216.5	163.0	145.6	144.8	120.5	123.3	124.5	98.7	73.7	100.6	99.7	113.7	88.3	61.4
60-64	179.8	195.1	166.2	161.8	124.5	223.3	262.5	192.1	188.4	174.6	161.7	186.8	151.1	136.1	102.3	144.5	144.2	152.6	127.1	95.8
65-69	247.1	268.2	220.6	228.1	185.4	281.3	322.2	235.3	253.0	246.9	225.2	264.6	199.3	189.1	149.0	197.3	201.5	196.6	174.3	129.2
70-74	308.9	341.4	266.8	281.2	232.3	344.0	399.5	278.5	301.7	280.6	288.8	330.5	249.9	253.2	204.2	270.0	282.3	257.6	226.9	168.1
75-79	373.5	401.9	329.8	343.8	292.8	408.2	453.4	347.0	361.7	372.3	359.8	399.7	311.3	324.4	251.9	337.5	351.7	322.9	292.6	211.0
80-84	451.9	484.8	407.1	408.6	358.7	486.2	562.0	386.1	417.9	423.8	446.2	470.9	423.0	406.8	312.6	432.0	448.7	397.2	371.0	293.8
85+	568.8	622.9	508.3	519.9	478.8	589.2	706.6	474.3	495.6	518.4	574.2	629.8	509.7	537.7	437.3	548.0	567.8	513.6	498.4	381.0

**STANDARD ERRORS**

All	0.8	1.1	1.3	5.2	3.3	1.8	3.1	3.2	10.6	9.9	2.2	4.6	3.0	18.5	9.2	1.2	1.8	2.4	8.5	4.0
0-14	1.8	1.7	3.2	2.5	1.4	9.7	10.6	14.7	11.3	8.8	2.6	2.6	3.6	3.1	1.9	1.8	1.7	3.2	2.5	1.4
15-19	1.8	1.7	2.2	2.2	1.1	6.6	7.0	8.5	6.7	5.7	2.3	2.2	2.9	2.5	1.6	1.7	1.6	2.7	2.1	1.2
20-24	1.6	1.6	2.2	2.6	1.3	5.7	6.8	8.1	7.2	6.1	2.2	2.4	3.0	3.1	1.8	1.5	1.5	2.7	2.4	1.4
25-29	1.4	1.6	2.1	3.0	1.5	4.1	5.5	6.5	6.6	5.8	1.9	2.4	2.8	3.2	1.9	1.3	1.5	2.4	2.6	1.5
30-34	1.3	1.6	2.2	3.5	1.9	3.3	4.1	6.1	6.8	5.9	1.9	2.7	2.9	3.7	2.2	1.3	1.6	2.5	3.0	1.7
35-39	1.3	1.7	2.2	3.9	2.1	3.2	4.0	5.9	7.3	6.4	2.0	3.1	2.9	4.3	2.5	1.3	1.7	2.7	3.4	1.9
40-44	1.4	1.9	2.4	4.7	2.6	3.3	4.2	6.4	8.6	7.5	2.4	3.8	3.4	5.6	3.3	1.5	1.9	3.1	4.6	2.5
45-49	1.5	2.0	2.5	5.0	3.0	3.3	4.5	5.4	8.3	8.2	2.6	4.6	3.6	6.4	3.9	1.7	2.1	3.5	5.2	2.9
50-54	1.7	2.5	2.9	6.2	3.9	3.5	5.4	4.9	9.2	9.8	3.2	5.3	4.6	8.9	5.1	2.2	2.7	4.5	7.4	3.9
55-59	1.9	2.8	3.1	6.9	4.6	3.3	5.3	4.7	9.8	10.1	3.5	6.1	5.0	10.4	6.3	2.6	3.3	5.5	8.5	4.8
60-64	2.1	3.1	3.2	8.2	5.9	3.4	5.3	4.8	11.9	11.1	4.1	7.4	5.4	13.9	8.4	3.4	4.3	6.9	12.0	7.4
65-69	2.5	3.5	3.7	11.1	7.8	3.7	5.5	5.1	14.9	13.5	4.5	7.5	5.9	18.7	11.2	4.1	4.9	8.4	16.3	9.6
70-74	3.0	4.1	4.4	14.1	9.3	4.4	6.5	6.2	18.6	14.5	5.0	7.6	6.7	24.1	14.4	5.2	6.3	10.5	21.5	12.2
75-79	3.9	5.1	6.0	19.1	12.5	6.1	8.7	8.9	25.5	21.2	5.9	8.3	8.6	30.9	17.6	6.7	8.0	14.1	28.7	15.6
80-84	5.7	7.4	9.2	26.2	17.0	10.0	14.8	14.0	34.4	28.8	8.0	10.6	13.0	41.1	21.9	9.9	11.8	20.2	38.9	23.4
85+	9.1	12.5	14.2	38.1	26.5	17.9	28.9	24.2	46.9	40.3	12.3	17.0	18.3	56.4	34.6	15.1	19.0	27.6	55.3	32.9

Table H.16 S 1

**Supplement: Annual Death Rates: Prior ESRD Time < 1 Year**

female ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	216.1	257.4	166.8	144.7	145.9	240.1	279.5	192.8	161.2	193.5	262.6	351.1	177.7	178.3	167.2	174.8	202.5	135.5	111.1	84.4
0-14	25.7	25.2	32.3	14.3	7.6	89.3	97.5	94.6	46.1	32.9	17.8	22.8	21.1	11.1	6.7	25.7	25.2	32.3	14.3	7.6
15-19	15.8	15.1	13.1	8.4	5.2	34.1	31.9	26.9	14.5	11.7	10.4	10.9	9.9	5.5	3.4	14.6	11.6	14.8	6.9	3.8
20-24	26.1	28.9	26.4	16.7	10.6	55.1	60.2	49.6	28.2	23.2	18.5	22.1	19.8	11.5	7.2	25.2	22.8	31.0	14.4	7.9
25-29	32.2	37.8	31.3	20.9	13.8	58.6	64.9	51.5	29.3	24.8	20.4	24.4	21.2	13.0	8.3	26.7	25.1	30.4	16.0	9.0
30-34	52.6	58.9	50.9	35.7	24.1	81.2	87.9	74.2	45.6	38.5	32.1	38.4	33.4	21.6	14.1	41.7	40.1	48.2	26.3	15.0
35-39	57.9	65.7	54.0	40.4	28.0	90.2	101.6	76.2	51.5	44.9	37.9	46.2	37.5	26.7	17.6	49.8	46.3	59.1	31.9	18.6
40-44	66.1	73.6	60.8	47.2	33.7	95.0	107.4	83.3	58.0	50.5	43.9	52.9	44.0	32.4	21.6	54.5	54.4	62.3	37.8	22.5
45-49	82.2	95.2	75.1	61.5	44.4	114.2	133.2	96.9	71.3	62.1	58.3	73.1	55.9	42.3	29.0	63.2	62.7	71.4	49.1	29.6
50-54	109.6	131.1	97.9	80.7	62.3	138.6	168.6	117.1	89.3	87.4	77.7	96.1	74.4	60.9	42.4	96.5	101.2	103.6	71.2	43.2
55-59	135.5	159.8	115.0	101.0	79.4	156.8	191.2	126.5	108.9	108.1	105.4	129.1	94.9	82.7	57.3	123.4	129.2	129.9	93.5	56.6
60-64	171.3	198.6	136.1	127.8	105.0	188.5	228.6	146.5	142.0	136.9	142.8	177.7	122.8	111.1	80.5	169.1	174.6	166.4	128.7	81.9
65-69	258.6	295.0	210.2	202.3	171.4	270.9	310.4	222.1	217.5	196.9	237.7	291.2	189.7	173.2	127.4	243.6	262.6	213.3	187.7	131.6
70-74	317.1	357.5	243.4	250.4	208.3	323.5	378.9	241.8	258.3	236.4	296.7	350.7	226.9	232.3	180.1	306.1	323.4	286.4	251.0	160.8
75-79	384.8	411.5	340.0	308.8	272.9	405.2	440.7	345.1	310.1	317.5	368.8	394.0	328.6	304.0	229.1	378.0	391.5	354.3	326.1	218.0
80-84	468.2	497.4	429.6	393.6	358.0	503.9	560.7	412.5	380.8	410.9	450.1	476.9	411.4	414.7	301.3	468.9	471.1	480.0	436.8	302.3
85+	592.8	642.8	527.6	519.7	501.6	590.3	703.5	459.9	494.9	530.5	578.8	619.0	513.5	557.3	460.7	617.9	640.3	614.7	588.1	412.9

**STANDARD ERRORS**

All	0.6	2.9	2.8	11.0	7.6	3.1	3.8	3.6	12.0	10.7	4.6	6.2	4.2	28.6	13.1	3.4	3.8	4.1	16.4	7.4
0-14	4.2	4.4	6.0	4.8	2.1	16.5	19.3	19.2	15.0	9.1	3.6	5.0	4.6	4.2	2.0	4.2	4.4	6.0	4.8	2.1
15-19	3.6	3.6	3.2	2.8	1.5	8.3	8.5	7.2	5.1	3.7	2.6	3.0	2.7	2.2	1.1	3.3	2.9	3.8	2.5	1.2
20-24	3.5	4.1	3.8	4.3	2.3	8.4	10.0	8.5	7.5	5.4	3.0	4.1	3.5	3.8	1.9	3.5	3.6	4.9	4.2	1.9
25-29	3.0	4.0	3.5	4.6	2.5	6.4	7.9	7.0	6.7	4.9	2.7	3.8	3.1	3.8	1.9	3.0	3.2	4.0	4.2	1.9
30-34	3.3	4.7	4.3	6.9	3.8	6.7	8.3	8.4	9.2	6.8	3.5	5.1	4.2	5.8	2.9	3.6	4.3	5.2	6.3	2.8
35-39	3.0	4.6	4.0	6.9	4.0	6.4	8.5	7.7	9.3	7.2	3.6	5.7	4.2	6.7	3.3	3.7	4.4	5.7	7.0	3.2
40-44	2.9	4.5	4.1	7.2	4.3	5.8	7.9	7.5	9.4	7.4	3.7	6.0	4.5	7.5	3.7	3.8	4.8	5.8	7.8	3.6
45-49	2.9	4.7	4.3	8.1	5.1	5.6	8.1	7.2	10.2	8.3	4.4	7.6	5.2	9.2	4.6	4.0	5.0	6.4	9.4	4.4
50-54	3.2	5.3	4.9	9.4	6.4	5.4	8.1	7.1	11.3	10.4	5.3	9.1	6.5	12.4	6.3	5.4	6.9	8.9	13.0	6.0
55-59	3.3	5.5	5.1	10.5	7.4	5.1	7.7	6.7	12.4	11.8	6.3	10.6	7.4	15.9	7.9	6.4	8.0	10.8	16.2	7.5
60-64	3.5	5.6	5.2	12.1	8.8	5.1	7.5	6.7	14.9	13.3	7.0	11.6	8.3	20.4	10.3	7.8	9.5	13.2	21.6	10.5
65-69	4.3	6.5	6.8	18.1	12.7	6.0	8.3	8.5	21.4	16.8	8.5	12.9	10.5	30.9	15.1	9.3	11.3	15.6	30.6	16.1
70-74	5.0	7.2	7.8	23.0	14.5	7.1	9.8	9.8	26.7	19.3	8.9	12.6	11.5	39.7	20.2	10.6	12.5	19.7	41.8	18.9
75-79	6.4	8.5	11.2	32.0	20.0	10.0	13.0	15.0	36.6	28.3	10.4	13.0	16.0	52.6	24.8	13.0	14.7	25.3	56.1	26.3
80-84	9.1	12.0	16.8	46.5	28.7	16.4	21.7	23.7	50.8	40.6	13.2	16.2	21.4	74.6	33.2	18.0	20.0	36.9	79.6	38.1
85+	14.8	20.3	24.7	71.0	45.6	28.7	41.9	35.1	75.8	60.1	20.3	25.7	30.1	105.8	54.3	28.0	32.8	49.8	113.1	54.7



Table H.16S.2

**Supplement: Annual Death Rates: Prior ESRD Time between 1 & 2 Years***female ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	187.4	225.0	149.6	149.3	142.5	231.6	277.8	183.5	173.9	219.7	220.1	303.8	158.5	191.4	160.2	126.2	148.8	96.6	94.1	63.7
0-14	16.3	16.3	16.4	13.3	6.5	87.5	91.4	68.9	57.3	48.2	17.5	21.5	18.3	16.5	10.1	16.3	16.3	16.4	13.3	6.5
15-19	15.4	18.6	12.9	12.7	7.9	43.7	49.3	34.2	29.3	28.0	11.9	15.3	12.9	11.9	7.4	11.1	11.7	11.7	9.7	4.8
20-24	26.8	32.2	22.7	22.4	14.2	89.6	98.6	68.2	59.1	57.1	26.4	33.2	27.8	26.1	16.4	24.3	25.5	25.4	21.4	10.7
25-29	35.2	42.3	30.0	29.9	19.5	75.1	84.7	57.8	51.4	50.2	25.0	30.9	25.7	24.6	15.6	22.8	23.9	23.8	20.4	10.3
30-34	52.6	63.7	44.7	45.1	30.5	96.8	109.7	74.4	67.4	66.5	35.2	43.5	35.8	35.0	22.4	32.2	34.1	33.1	29.3	15.0
35-39	49.6	59.5	42.0	42.8	29.9	83.5	96.1	64.3	60.0	59.8	33.7	41.6	33.6	33.8	21.8	31.0	32.6	31.8	28.5	14.8
40-44	76.2	89.9	64.5	65.9	47.0	130.5	145.0	96.8	90.7	90.6	54.3	66.7	54.0	55.1	35.9	48.7	52.7	50.7	47.1	24.5
45-49	90.5	108.4	77.5	79.5	59.0	132.1	154.7	102.2	97.6	99.9	61.3	78.0	61.5	64.8	42.8	55.7	62.4	58.9	55.8	29.4
50-54	114.7	136.2	97.5	100.6	76.9	148.9	188.7	116.4	117.2	121.2	85.8	101.5	80.6	84.9	56.6	76.2	81.4	76.9	74.2	39.4
55-59	140.7	165.9	119.5	123.8	97.6	170.4	213.6	137.3	138.3	144.0	108.7	127.3	102.1	108.8	73.4	98.0	106.7	96.2	95.3	51.4
60-64	168.2	199.7	143.1	154.3	125.3	202.6	255.9	164.1	172.4	180.0	137.4	169.5	128.6	146.1	99.2	129.7	139.3	128.6	129.4	70.8
65-69	221.8	254.9	185.5	199.2	166.6	250.8	303.1	198.0	209.5	219.6	188.5	223.4	166.7	190.6	132.1	177.5	183.3	168.0	171.8	94.9
70-74	287.7	328.2	235.6	249.7	213.5	323.1	387.0	244.1	261.1	275.8	260.2	296.9	223.7	259.0	180.1	255.3	260.4	226.3	233.7	129.7
75-79	323.2	360.3	269.5	292.3	260.5	358.7	424.9	269.0	298.8	324.9	317.1	360.6	267.3	317.2	224.2	279.4	295.4	276.3	290.0	162.6
80-84	394.6	436.0	328.0	352.4	322.8	420.3	495.3	307.7	349.6	384.5	397.3	443.0	341.2	403.8	287.1	367.0	388.9	341.6	372.3	211.2
85+	514.6	564.9	425.3	456.7	432.1	541.6	622.9	376.8	421.6	468.3	530.3	590.7	433.2	538.6	386.2	463.6	498.1	448.5	499.3	287.1
	STANDARD ERRORS																			
All	3.4	3.2	2.9	11.7	8.4	3.7	4.2	3.8	12.6	12.7	5.0	6.5	4.1	25.9	13.2	3.3	3.4	3.5	14.1	6.3
0-14	3.9	4.7	4.8	6.0	2.6	22.5	27.5	21.1	24.8	18.8	4.8	6.9	5.8	8.0	4.2	3.9	4.7	4.8	6.0	2.6
15-19	4.4	4.7	3.3	4.4	2.5	13.7	17.7	12.4	13.2	11.8	3.8	5.7	4.7	6.0	3.3	3.3	4.1	4.1	4.6	2.0
20-24	4.4	4.8	3.5	5.8	3.2	14.7	18.5	13.0	18.4	15.8	4.6	6.8	5.5	9.9	5.1	3.7	4.6	4.7	7.6	3.1
25-29	4.0	4.5	3.3	6.5	3.6	8.9	11.4	8.2	13.5	11.6	3.5	5.0	3.9	8.3	4.2	2.8	3.4	3.5	6.4	2.6
30-34	4.3	4.9	3.7	8.5	4.8	8.3	10.4	7.9	15.0	13.0	4.0	5.5	4.3	10.7	5.3	3.2	3.7	3.8	8.3	3.4
35-39	3.6	4.1	3.1	7.1	4.2	6.7	8.4	6.3	11.9	10.5	3.5	4.8	3.6	9.5	4.7	2.8	3.2	3.3	7.5	3.0
40-44	4.3	4.9	3.8	9.3	5.6	8.2	10.2	7.6	15.3	13.8	4.7	6.5	4.8	14.0	6.9	3.7	4.3	4.5	11.4	4.5
45-49	4.2	5.0	4.0	9.7	6.2	7.0	9.3	7.0	14.2	13.3	4.7	6.7	4.9	15.2	7.4	3.8	4.5	4.8	12.6	5.0
50-54	4.6	5.5	4.5	10.6	7.1	6.6	10.0	7.0	14.9	14.2	6.0	7.8	5.8	18.4	8.8	4.8	5.3	5.8	15.9	6.2
55-59	4.9	5.9	4.8	11.5	7.9	6.5	10.0	7.3	15.6	14.8	6.9	8.7	6.7	22.0	10.4	5.8	6.4	6.9	19.7	7.6
60-64	5.0	6.2	5.2	13.1	9.1	6.6	10.4	7.9	18.2	16.8	7.7	10.3	7.7	27.9	12.9	7.1	7.7	8.8	26.1	10.0
65-69	5.7	6.8	6.1	16.6	11.2	7.0	10.9	8.7	22.0	19.1	8.5	11.7	9.1	35.0	16.1	8.6	9.3	11.2	34.5	13.1
70-74	7.0	8.2	7.7	22.2	14.2	8.8	13.4	11.0	29.3	23.7	9.9	13.6	11.6	46.9	21.1	11.1	12.3	15.0	48.0	17.9
75-79	8.5	9.5	9.7	29.5	18.3	11.7	16.8	13.8	38.3	30.0	11.5	15.6	14.2	58.1	26.2	12.6	14.3	19.1	61.9	23.1
80-84	12.3	13.4	13.7	41.3	25.5	18.0	24.0	18.7	51.8	40.5	15.6	20.5	19.7	77.5	34.5	18.3	20.5	25.5	84.1	31.6
85+	20.4	21.9	21.0	62.2	40.0	32.8	39.5	27.5	72.5	56.9	23.8	30.9	27.8	109.5	50.8	27.2	30.5	36.8	120.6	46.3

Table H.16S3

**Supplement: Annual Death Rates: Prior ESRD Time between 2 & 5 Years**

female ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

**RATES**

	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	206.2	223.8	189.9	193.3	149.4	272.3	292.7	250.1	233.5	273.8	236.8	318.3	182.6	196.4	160.1	125.0	136.9	109.5	98.7	68.9
0-14	13.5	11.7	22.3	11.6	8.0	77.5	72.1	108.4	59.9	58.7	19.5	16.6	26.1	15.0	10.9	13.5	11.7	22.3	11.6	8.0
15-19	18.5	16.8	21.8	16.7	9.5	75.3	65.4	88.1	52.2	54.8	24.8	19.6	29.1	17.6	12.8	17.4	13.7	25.1	13.8	9.5
20-24	22.2	20.5	25.9	20.3	11.8	75.7	69.2	88.2	54.9	57.6	27.1	22.4	31.9	20.2	14.7	19.5	16.2	27.6	15.8	11.0
25-29	35.6	33.4	41.1	32.6	19.6	87.2	81.2	98.8	63.9	68.1	33.1	28.6	37.2	25.7	18.7	25.0	20.8	35.0	20.3	14.0
30-34	43.0	41.0	47.6	39.6	24.4	78.9	73.5	91.5	60.9	64.0	33.4	30.5	36.9	26.7	19.3	25.3	21.3	34.5	21.4	14.7
35-39	61.6	61.7	65.2	57.8	36.1	106.3	102.2	116.4	84.4	86.8	48.0	45.6	50.3	39.9	28.8	38.9	36.0	49.5	32.1	21.6
40-44	82.0	81.2	87.4	79.3	51.1	136.8	134.1	146.3	111.4	116.5	67.0	64.0	71.1	57.0	41.3	52.9	46.4	68.2	47.0	31.3
45-49	93.2	90.2	102.1	90.4	60.5	142.6	145.3	145.6	114.3	125.5	78.4	78.5	83.5	65.7	47.3	58.5	52.8	74.1	55.1	36.1
50-54	132.2	140.8	127.9	125.1	85.5	194.7	232.9	166.5	150.8	159.0	106.0	105.9	111.2	92.6	65.6	78.9	77.2	88.4	75.8	50.6
55-59	165.9	175.0	163.0	157.6	110.3	221.0	257.6	197.8	183.5	182.9	137.0	143.7	140.4	118.5	85.7	107.2	106.7	117.0	99.1	66.5
60-64	215.0	238.2	194.9	204.7	151.0	280.9	334.8	241.6	227.0	236.4	189.3	216.5	176.5	169.4	121.8	152.1	154.6	149.2	145.5	98.1
65-69	261.6	285.9	233.4	259.3	204.3	302.7	351.2	245.2	279.2	310.3	228.7	260.0	204.4	217.1	162.7	193.4	201.7	190.9	179.9	119.2
70-74	321.9	354.8	281.6	323.6	261.3	370.5	422.1	309.2	346.9	344.6	290.8	332.0	255.2	289.3	211.6	268.0	278.5	245.2	246.0	171.3
75-79	387.4	426.2	332.9	387.4	322.6	436.4	494.4	364.9	399.5	425.5	367.3	422.9	301.6	372.5	267.8	340.7	362.4	299.4	311.6	220.2
80-84	453.4	492.3	395.9	447.5	369.5	490.9	601.1	381.1	457.2	440.0	445.9	474.9	414.4	440.9	328.5	419.2	442.5	353.8	392.5	278.8
85+	552.4	604.5	479.5	552.4	473.4	564.9	650.2	456.8	524.8	540.1	573.1	650.7	492.7	571.6	411.6	507.1	535.2	433.1	498.1	340.8

**STANDARD ERRORS**

All	2.0	3.2	3.3	14.3	8.7	2.4	5.3	5.4	18.0	18.2	2.8	7.6	4.8	31.5	14.8	1.7	3.3	4.1	15.4	6.7
0-14	2.5	2.6	5.1	3.7	2.2	15.3	17.0	26.0	18.6	16.5	4.0	4.1	6.4	5.2	3.3	2.5	2.6	5.1	3.7	2.2
15-19	2.9	3.3	4.3	4.5	2.3	13.4	14.3	19.4	14.7	14.1	4.5	4.4	6.5	5.6	3.5	2.9	2.7	5.1	4.1	2.4
20-24	2.4	2.7	3.5	4.4	2.2	9.2	10.8	13.8	12.3	11.5	3.4	3.7	5.0	5.4	3.2	2.2	2.3	4.0	3.9	2.2
25-29	2.4	2.9	3.7	5.8	2.9	6.7	8.5	11.1	12.0	11.2	3.0	3.7	4.5	6.0	3.4	1.9	2.2	3.8	4.4	2.4
30-34	2.2	2.8	3.6	6.2	3.1	4.6	6.0	8.9	10.2	9.5	2.5	3.5	4.0	5.8	3.3	1.7	2.1	3.4	4.3	2.3
35-39	2.5	3.5	4.0	8.0	4.0	5.1	6.9	10.1	12.7	11.5	3.1	4.8	4.7	8.0	4.4	2.2	3.0	4.4	5.9	3.0
40-44	2.7	4.0	4.6	9.6	5.1	5.7	8.1	11.2	14.9	14.4	3.7	6.2	5.8	10.6	5.9	2.6	3.5	5.4	8.1	4.0
45-49	2.7	4.0	4.8	9.6	5.5	5.2	8.2	9.3	13.6	14.0	3.9	6.9	6.2	11.4	6.3	2.6	3.6	5.8	8.9	4.4
50-54	3.2	5.1	5.2	11.7	7.0	5.9	10.7	8.9	16.0	16.6	4.7	8.4	7.4	15.1	8.2	3.3	4.8	6.8	11.8	5.9
55-59	3.5	5.8	5.8	13.1	8.3	5.7	10.4	8.8	17.5	17.5	5.5	10.4	8.6	18.5	10.1	4.2	6.0	8.7	14.9	7.6
60-64	3.9	6.6	6.2	15.8	10.7	6.3	11.5	9.6	20.5	21.3	6.7	13.3	9.7	25.5	13.8	5.4	7.9	10.7	21.3	10.9
65-69	4.1	6.8	6.5	19.0	13.1	6.0	10.5	8.9	23.8	24.9	6.8	12.9	9.8	31.7	17.1	6.2	8.9	13.0	25.8	12.8
70-74	4.8	7.9	7.7	24.8	16.5	7.1	12.1	11.0	31.0	26.5	7.5	13.6	11.0	41.0	21.8	8.0	11.4	16.2	36.0	18.7
75-79	6.1	9.7	10.2	33.1	21.7	9.7	16.6	15.2	39.9	36.2	9.0	15.1	13.8	53.3	27.7	10.2	14.4	20.8	47.2	24.0
80-84	9.0	13.9	15.3	45.1	27.4	15.5	28.6	22.0	55.0	43.6	12.2	19.0	21.2	65.8	33.9	14.6	20.6	28.5	63.0	32.2
85+	14.3	22.1	22.4	64.2	41.3	25.2	44.2	35.9	71.4	59.9	18.7	30.7	28.9	90.3	48.4	21.1	31.5	35.4	85.0	43.2



Table H.16S.4

**Supplement: Annual Death Rates: Prior ESRD Time > 5 Years**

female ESRD patients, 1998, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, &amp; primary diagnosis

	RATES																			
	All					Diabetes					Hypertension					Other				
	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian
All	129.6	113.2	166.6	144.2	96.7	221.1	186.0	275.2	246.0	229.9	180.6	202.8	171.8	133.0	133.2	86.1	83.8	100.0	70.0	62.5
0-14	12.9	10.8	23.7	12.5	8.0	60.8	55.0	106.7	66.1	44.2	18.1	12.7	25.1	14.4	9.3	12.9	10.8	23.7	12.5	8.0
15-19	16.1	14.8	25.1	18.1	8.6	57.2	52.9	93.2	62.2	43.5	22.9	16.4	30.6	18.1	12.0	17.1	14.5	28.3	15.7	10.3
20-24	21.3	19.3	31.7	22.7	11.5	64.9	60.0	99.5	68.7	49.6	27.9	20.4	35.4	21.6	14.8	21.2	17.6	33.5	18.4	12.8
25-29	27.7	25.2	37.6	28.5	15.0	74.9	68.0	101.2	73.2	54.5	32.6	23.9	39.2	24.8	17.7	25.4	21.7	36.0	21.0	14.9
30-34	35.6	33.2	46.4	35.9	20.2	74.0	70.3	100.4	75.6	58.4	35.7	27.9	42.3	27.8	20.4	30.3	25.8	40.1	23.5	17.7
35-39	45.0	42.2	58.6	45.6	26.9	86.4	82.4	114.6	87.2	70.5	45.0	35.2	53.7	34.5	26.3	34.0	31.3	46.0	28.5	21.7
40-44	57.1	51.3	74.3	60.1	35.6	100.2	94.1	143.2	107.1	86.7	58.6	49.5	66.3	46.0	35.7	42.5	38.2	59.7	38.4	30.0
45-49	73.4	65.5	92.8	74.5	47.9	127.7	117.6	162.8	125.3	107.6	74.8	64.7	80.9	57.7	47.1	54.3	49.9	71.4	47.5	38.7
50-54	99.1	88.5	125.4	108.3	68.8	182.3	174.8	199.1	163.9	150.8	102.2	87.9	114.7	84.4	68.5	73.5	70.1	95.3	68.9	54.6
55-59	120.8	104.0	151.0	124.5	87.4	213.2	209.5	217.6	184.4	172.2	120.0	107.9	132.3	98.1	86.3	86.9	82.1	115.1	79.7	68.6
60-64	163.7	146.1	194.2	166.1	124.2	259.1	262.7	265.9	245.7	216.1	170.1	168.5	175.0	137.4	125.1	132.2	124.8	161.0	110.8	104.2
65-69	228.0	214.2	249.2	231.5	182.0	331.3	363.1	311.3	300.6	304.9	229.9	235.7	230.6	190.1	175.7	176.4	169.5	207.9	156.6	142.9
70-74	296.7	293.7	307.4	291.7	253.4	393.0	462.5	351.0	354.5	370.8	298.8	310.0	294.8	244.8	243.9	241.5	242.4	256.1	196.2	193.1
75-79	377.7	389.5	370.0	378.7	317.0	448.9	513.8	411.9	430.8	455.4	379.6	427.8	347.6	323.4	323.8	326.0	334.3	328.2	259.8	244.1
80-84	490.6	510.7	461.7	471.4	441.7	553.1	677.0	467.4	507.2	552.2	516.1	554.5	478.5	416.0	430.5	444.4	457.9	394.9	323.3	347.9
85+	636.4	679.3	594.0	607.9	582.6	701.6	831.6	564.9	617.9	682.8	641.4	743.5	580.9	523.6	564.1	581.5	589.4	511.7	423.6	454.3
	STANDARD ERRORS																			
All	1.1	1.1	1.8	7.3	3.8	3.3	4.3	6.6	21.0	19.3	3.1	5.6	4.2	21.8	12.2	1.2	1.6	2.8	8.5	4.6
0-14	2.6	2.2	5.1	3.7	2.1	13.3	12.2	24.2	20.3	12.1	4.1	3.0	5.8	4.9	2.7	2.6	2.2	5.1	3.7	2.1
15-19	2.7	2.5	4.5	4.5	1.9	11.2	10.5	18.8	17.1	10.8	4.5	3.3	6.1	5.6	3.1	2.9	2.6	5.3	4.2	2.4
20-24	2.3	2.2	3.9	4.6	2.0	9.5	8.8	15.0	15.6	10.0	4.1	3.1	5.3	5.7	3.1	2.3	2.1	4.3	4.1	2.3
25-29	1.9	2.0	3.4	5.0	2.2	8.0	7.5	11.7	14.3	9.3	3.6	2.9	4.5	5.9	3.2	1.9	1.9	3.5	4.1	2.3
30-34	1.7	1.9	3.3	5.5	2.6	5.4	5.5	9.5	13.1	8.8	3.4	2.9	4.2	6.1	3.3	1.8	1.8	3.3	4.2	2.4
35-39	1.7	2.0	3.5	6.2	3.1	5.0	5.2	9.9	13.5	9.7	3.6	3.3	4.6	7.0	3.9	1.8	1.9	3.4	4.6	2.7
40-44	1.9	2.2	3.8	7.5	3.7	5.1	5.3	11.1	15.1	11.1	4.0	4.3	5.0	8.8	4.9	2.0	2.2	4.0	5.8	3.4
45-49	2.2	2.5	4.2	8.4	4.5	6.0	6.4	11.4	16.2	12.9	4.4	5.2	5.4	10.5	6.1	2.3	2.6	4.6	6.8	4.1
50-54	2.7	3.2	5.2	11.1	6.0	8.0	9.5	12.4	19.2	17.1	5.4	6.6	7.0	14.6	8.3	3.0	3.3	6.0	9.3	5.5
55-59	3.2	3.7	5.7	11.7	7.3	8.6	11.5	11.7	19.5	18.8	5.9	7.6	7.6	16.4	10.0	3.5	3.9	7.3	10.5	6.8
60-64	3.9	4.8	6.5	14.9	10.1	9.5	13.7	12.7	24.8	22.5	7.7	11.1	9.3	22.4	14.1	5.0	5.6	9.7	14.6	10.3
65-69	4.9	6.2	7.7	21.0	14.4	10.9	17.2	13.7	30.0	30.8	9.1	13.6	11.2	30.9	19.5	6.1	6.8	12.5	21.3	14.0
70-74	6.3	8.2	9.6	27.0	19.3	12.9	21.6	15.7	36.7	36.6	10.9	16.3	13.8	39.8	26.0	8.2	9.5	15.8	27.1	19.1
75-79	9.0	12.2	13.0	37.9	26.4	17.6	27.8	21.3	48.6	49.0	14.2	22.1	17.3	53.3	36.1	12.5	14.7	22.1	37.9	25.6
80-84	14.8	19.8	21.0	53.4	42.3	30.1	47.5	32.2	63.1	64.6	22.2	31.5	27.6	71.9	50.7	21.0	24.2	30.6	51.2	41.1
85+	24.7	33.0	33.9	77.8	61.7	50.6	69.6	49.0	87.8	85.8	33.5	49.5	39.1	93.9	70.1	33.9	37.8	44.6	72.6	58.4



Table H.17

**Standardized Mortality Ratios: by State***based on 1998 rates, & adjusted for age on January 1, race, gender, & diabetic status*

	1996-1998	1996	1997	1998
All	1.09	1.10	1.08	1.09
Alabama	1.09	1.03	1.10	1.13
Arizona	1.01	1.04	0.95	1.03
Arkansas	1.25	1.19	1.29	1.27
California & Hawaii	1.06	1.05	1.07	1.08
Colorado	0.95	1.02	0.88	0.95
Connecticut	0.98	1.05	0.93	0.97
District of Columbia	1.29	1.31	1.24	1.30
Florida	1.14	1.11	1.14	1.17
Georgia	1.08	1.08	1.07	1.08
Illinois	1.14	1.19	1.13	1.10
Indiana	1.12	1.16	1.10	1.11
Iowa	1.01	0.96	1.06	1.02
Kansas	1.07	1.08	1.02	1.10
Kentucky	1.27	1.34	1.23	1.24
Louisiana	1.16	1.19	1.09	1.20
New England*	0.96	0.98	0.94	0.97
Maryland	1.22	1.21	1.20	1.24
Massachusetts	1.00	1.07	0.99	0.96
Michigan	1.06	1.03	1.12	1.02
Minnesota	0.88	0.86	0.83	0.95
Mississippi	1.07	1.06	1.04	1.12
Missouri	1.10	1.07	1.11	1.10
Nebraska	1.08	1.13	1.05	1.08
New Jersey	1.14	1.18	1.14	1.10
New Mexico	0.88	0.98	0.89	0.79
New York	1.10	1.17	1.11	1.03
North Carolina	1.11	1.09	1.08	1.15
North & South Dakota	0.97	0.95	0.98	0.98
Ohio	1.17	1.24	1.18	1.11
Oklahoma	1.23	1.23	1.18	1.27
Oregon	1.06	1.03	1.10	1.05
Pennsylvania & Delaware	1.11	1.14	1.09	1.09
Rhode Island	0.98	0.92	1.03	1.00
South Carolina	1.17	1.17	1.14	1.20
Tennessee	1.18	1.17	1.21	1.16
Texas	0.98	0.97	0.98	0.99
Utah	1.09	1.18	1.04	1.05
Virginia	1.09	1.12	1.10	1.06
Washington	1.01	1.05	1.00	0.98
West Virginia	1.23	1.26	1.21	1.23
Western mountain states**	0.99	0.93	0.91	1.12
Wisconsin	1.01	1.02	0.98	1.04
Guam	0.71	0.69	0.50	0.86
Northern Marianas	0.60	0.71	0.76	0.46
Puerto Rico & Virgin Islands	1.47	1.29	1.44	1.70

Some states have been combined due to the small number of dialysis units

\*New England includes Maine, Vermont and New Hampshire

\*\*Western Mountain States include Nevada, Wyoming, Idaho, Montana and Alaska

Table H.18

**Death Rates: by Primary Cause of Death***all dialysis patients, 1996-1998, rates per 1,000 patient years at risk*

	All							0 - 19		20-44				
	ALL	Male	Female	White	Black	N Am	Asian	ALL	ALL	Male	Female	White	Black	
All	231.1	229.6	232.9	278.1	178.0	185.2	177.9	34.8	87.9	89.4	85.9	99.5	82.7	
Acute MI.	20.5	21.7	19.1	25.6	14.3	16.5	17.4	0.4	5.3	5.7	4.9	7.7	3.4	
Hyperkalemia	3.9	3.8	4.0	5.5	1.9	2.6	3.7	1.1	2.3	2.4	2.0	3.3	1.4	
Pericarditis	0.3	0.3	0.2	0.3	0.3	0.4	0.2	.	0.2	0.3	0.2	0.3	0.2	
Atherosclerotic HD	8.6	8.7	8.5	11.8	4.7	5.2	6.6	.	1.2	1.1	1.3	1.9	0.6	
Cardiomyopathy	9.5	10.9	8.0	13.1	5.2	6.0	7.7	1.3	2.0	2.2	1.8	2.3	1.8	
Cardiac arrhythmia	13.1	13.6	12.6	16.5	9.1	10.0	11.5	0.9	4.4	4.7	4.0	5.6	3.6	
Cardiac arrest	47.9	48.0	47.9	55.3	40.0	41.1	39.5	5.6	18.3	18.4	18.2	20.8	17.3	
Valvular HD	1.5	1.4	1.7	1.9	1.2	0.5	1.0	0.2	0.6	0.5	0.8	0.7	0.5	
Pulmonary edema	2.1	2.0	2.2	2.8	1.3	2.1	1.7	0.7	0.7	0.7	0.7	0.7	0.7	
AIDS	1.2	1.9	0.6	0.2	2.8	0.7	0.1	0.7	4.6	6.1	2.4	1.0	8.3	
Cachexia	2.5	2.3	2.8	3.5	1.5	1.3	1.6	.	0.5	0.6	0.5	1.0	0.2	
Cerebrovascular dis.	13.3	11.2	15.6	14.6	11.7	11.6	13.8	2.0	5.3	4.7	6.1	6.4	4.7	
G.I. hemorrhage	2.1	2.1	2.2	2.4	1.9	1.7	1.7	0.6	0.7	0.7	0.7	0.6	0.7	
Other hemorrhage	2.0	1.9	2.1	2.1	1.8	1.8	2.1	0.7	1.2	1.1	1.3	1.1	1.2	
Septicemia	25.6	22.9	28.5	28.3	23.0	21.3	18.5	3.0	10.4	9.2	12.0	12.1	9.6	
Pulmonary infection	5.6	6.3	4.9	7.1	3.6	6.2	6.5	0.7	1.6	1.8	1.4	1.8	1.6	
Viral infection	0.3	0.3	0.3	0.3	0.2	.	0.3	0.4	0.2	0.2	0.2	0.2	0.2	
Other infection	1.2	1.0	1.4	1.4	1.0	0.8	1.0	0.6	0.7	0.7	0.7	0.9	0.7	
Malignant disease	8.2	9.4	6.9	9.8	6.7	5.2	4.6	1.1	1.2	1.2	1.1	1.6	0.9	
Other	45.7	44.3	47.2	58.0	31.1	34.0	30.8	12.7	18.7	18.8	18.5	21.3	17.1	
Unknown	16.0	15.7	16.3	17.7	14.7	16.3	7.9	2.0	7.7	8.2	7.1	8.2	7.8	
Years at risk	611,036	318,532	292,504	327,411	240,087	10,634	21,906	5,370	115,045	66,546	48,498	50,981	55,394	
Patients	802,913	420,110	382,803	447,719	298,913	13,376	28,029	7,427	144,307	83,769	60,538	66,322	67,105	

  

	45-64					65+				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	168.7	169.7	167.7	199.9	142.3	355.6	368.0	343.9	393.0	293.1
Acute MI.	17.0	18.1	15.8	21.2	13.2	30.7	34.3	27.4	34.7	23.5
Hyperkalemia	2.6	2.5	2.7	3.7	1.5	5.8	5.8	5.9	7.5	2.8
Pericarditis	0.3	0.4	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Atherosclerotic HD	4.6	4.7	4.5	6.3	3.0	15.7	16.9	14.6	19.0	9.9
Cardiomyopathy	6.0	6.8	5.0	8.0	4.1	16.2	19.8	12.8	20.1	9.1
Cardiac arrhythmia	10.1	10.6	9.6	12.8	7.6	19.9	21.7	18.3	22.9	14.9
Cardiac arrest	36.1	36.5	35.5	41.4	31.9	72.8	76.0	69.7	76.8	66.8
Valvular HD	1.1	1.0	1.1	1.2	1.0	2.4	2.3	2.5	2.9	1.8
Pulmonary edema	1.3	1.2	1.4	1.6	1.1	3.5	3.4	3.5	4.3	2.0
AIDS	0.9	1.3	0.3	0.2	1.7	0.1	0.1	<0.05	<0.05	0.2
Cachexia	1.3	1.1	1.4	1.8	0.8	4.6	4.3	4.9	5.4	3.2
Cerebrovascular dis	10.2	8.8	11.8	10.7	10.0	19.9	17.2	22.4	20.1	19.2
G.I. hemorrhage	1.4	1.5	1.4	1.6	1.4	3.4	3.5	3.3	3.5	3.3
Other hemorrhage	1.4	1.5	1.4	1.4	1.5	2.9	2.8	3.1	3.0	2.7
Septicemia	21.4	19.5	23.6	24.4	19.3	36.6	34.0	39.1	36.6	37.6
Pulmonary infection	2.9	3.4	2.4	3.7	2.2	9.9	11.7	8.2	11.2	6.9
Viral infection	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.3
Other infection	1.1	0.9	1.3	1.4	0.8	1.6	1.3	1.8	1.6	1.5
Malignant disease	5.7	6.0	5.4	6.5	5.3	13.7	17.3	10.3	14.7	12.8
Other	31.1	30.7	31.5	38.6	24.0	71.7	72.1	71.2	83.8	50.4
Unknown	12.0	12.9	11.1	13.0	11.5	23.6	22.8	24.3	24.2	24.0
Years at risk	232,927	123,945	108,982	111,813	102,925	257,693	125,114	132,579	161,627	79,995
Patients	297,912	158,876	139,036	148,772	125,934	353,267	173,425	179,842	228,454	103,485

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

Table H.19

**Death Rates: by Primary Cause of Death**

*diabetic dialysis patients, 1996-1998, rates per 1,000 patient years at risk*

	All							0-19	20-44				
	ALL	Male	Female	White	Black	N Am	Asian	ALL	ALL	Male	Female	White	Black
All	276.7	279.3	274.6	324.9	218.2	216.3	252.1	.	164.3	165.0	163.4	186.1	134.6
Acute MI.	28.4	31.1	26.1	34.4	20.5	21.0	27.8	.	15.0	16.1	13.6	19.3	8.0
Hyperkalemia	4.9	5.1	4.7	6.4	2.5	3.6	6.0	.	5.3	5.3	5.3	6.2	3.9
Pericarditis	0.3	0.4	0.3	0.4	0.3	0.3	0.4	.	0.5	0.4	0.6	0.3	0.8
Atherosclerotic HD	11.3	11.4	11.3	15.0	6.7	6.5	10.4	.	3.8	3.6	4.1	5.1	2.2
Cardiomyopathy	10.8	12.5	9.4	14.6	5.9	6.6	10.4	.	3.4	3.0	3.8	3.6	2.9
Cardiac arrhythmia	16.6	17.5	15.7	20.8	11.2	11.5	17.1	.	9.5	10.3	8.4	11.9	5.8
Cardiac arrest	61.9	63.5	60.5	70.9	51.2	51.4	62.3	.	39.7	39.2	40.5	44.1	34.6
Valvular HD	1.2	1.1	1.3	1.4	1.0	0.3	1.5	.	0.4	0.5	0.2	0.4	0.4
Pulmonary edema	2.6	2.5	2.6	3.2	1.7	2.6	2.6	.	1.3	1.1	1.4	1.4	0.8
AIDS	0.2	0.3	0.1	0.1	0.4	.	.	.	0.9	1.2	0.6	0.6	1.7
Cachexia	2.5	2.4	2.5	3.3	1.4	1.5	2.4	.	1.7	2.0	1.4	2.5	0.7
Cerebrovascular dis.	17.6	15.5	19.4	18.6	16.5	14.5	18.8	.	11.2	10.7	11.8	13.1	8.3
G.I. hemorrhage	2.1	2.1	2.2	2.1	2.2	1.5	2.2	.	1.1	1.2	1.0	0.9	1.2
Other hemorrhage	1.4	1.2	1.5	1.4	1.4	1.9	1.4	.	1.2	1.4	1.0	1.5	0.8
Septicemia	34.3	32.0	36.2	37.4	31.2	26.3	26.9	.	19.4	18.8	20.2	20.9	18.3
Pulmonary infection	5.9	6.9	5.1	6.7	4.2	8.1	8.4	.	3.0	2.9	3.0	3.0	2.5
Viral infection	0.3	0.3	0.3	0.2	0.3	.	0.5	.	0.2	0.2	0.2	0.1	0.4
Other infection	1.5	1.2	1.6	1.6	1.2	1.1	1.4	.	1.2	1.4	1.0	1.5	1.0
Malignant disease	5.6	6.2	5.1	5.7	5.8	3.6	5.0	.	0.7	0.6	0.8	0.7	0.7
Other	48.0	46.2	49.4	59.3	34.3	34.3	36.3	.	29.8	29.1	30.7	33.1	24.9
Unknown	19.5	19.9	19.2	21.2	18.2	19.7	10.2	.	15.0	15.9	13.8	15.8	14.7
Years at risk	210,736	96,929	113,807	115,076	77,042	6,187	7,772	71	22,340	12,385	9,955	13,557	7,228
Patients	287,265	133,336	153,929	163,161	99,408	7,920	10,383	95	30,304	16,854	13,450	19,042	9,233

  

	45-64					65+				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	212.1	217.8	206.8	256.5	169.6	367.6	387.1	353.8	419.7	292.6
Acute MI.	24.1	26.3	22.1	30.2	18.0	35.8	41.4	31.8	42.0	26.1
Hyperkalemia	3.6	3.8	3.5	5.0	1.8	6.0	6.4	5.6	7.7	3.1
Pericarditis	0.4	0.4	0.3	0.4	0.4	0.3	0.2	0.3	0.4	0.2
Atherosclerotic HD	6.9	7.2	6.6	9.6	4.2	17.5	18.7	16.6	22.2	10.5
Cardiomyopathy	7.3	8.9	5.8	10.2	4.1	16.1	19.8	13.5	21.2	8.6
Cardiac arrhythmia	13.1	13.3	12.9	17.1	8.8	21.7	24.7	19.5	26.3	15.1
Cardiac arrest	48.6	50.4	46.9	57.9	39.9	80.4	86.6	76.0	89.0	67.8
Valvular HD	0.9	0.9	1.0	1.1	0.8	1.7	1.7	1.7	2.0	1.4
Pulmonary edema	1.9	1.9	1.8	2.2	1.5	3.6	3.7	3.5	4.5	2.2
AIDS	0.2	0.3	0.1	0.1	0.4	0.1	0.1	0.1	<0.05	0.1
Cachexia	1.6	1.7	1.5	2.4	0.9	3.5	3.3	3.6	4.2	2.3
Cerebrovascular dis	14.1	12.6	15.5	15.0	13.6	22.7	20.3	24.3	23.1	21.6
G.I. hemorrhage	1.5	1.4	1.5	1.4	1.6	3.0	3.1	2.9	3.0	3.1
Other hemorrhage	1.0	1.1	1.0	0.9	1.2	1.8	1.4	2.1	1.8	1.7
Septicemia	28.2	27.0	29.5	32.7	24.6	43.8	42.1	45.0	45.7	41.8
Pulmonary infection	3.6	4.6	2.6	4.3	2.8	8.9	10.7	7.6	9.8	6.3
Viral infection	0.2	0.2	0.2	0.1	0.3	0.4	0.4	0.4	0.3	0.4
Other infection	1.3	1.1	1.5	1.5	1.1	1.7	1.4	1.8	1.8	1.5
Malignant disease	3.6	3.5	3.6	3.2	4.3	8.7	11.0	7.2	9.2	8.7
Other	34.9	34.3	35.5	44.4	25.4	65.2	65.6	64.9	78.9	46.5
Unknown	15.1	17.0	13.4	16.8	13.8	25.0	24.5	25.3	26.5	24.0
Years at risk	93,778	45,398	48,380	47,369	37,234	94,547	39,114	55,434	54,118	32,550
Patients	124,793	60,789	64,004	65,508	47,352	132,073	55,651	76,422	78,567	42,781

..Zero patients in this cell.



Table H.20

**Death Rates: by Primary Cause of Death**

non-diabetic dialysis patients, 1996-1998, rates per 1,000 patient years at risk

	All							0-19		20-44						
	ALL	Male	Female	White	Black	N Am	Asian	ALL	ALL	Male	Female	White	Black	N Am	Asian	
All	217.0	218.5	215.0	264.8	163.8	155.9	142.9	34.7	70.7	73.8	66.4	68.4	77.1	155.9	142.9	
Acute MI.	16.9	18.3	15.1	21.6	11.4	11.4	12.4	0.4	2.9	3.1	2.6	3.2	2.8	11.4	12.4	
Hyperkalemia	3.6	3.4	3.8	5.1	1.7	1.7	2.3	1.2	1.5	1.8	1.3	2.2	1.1	1.7	2.3	
Pericarditis	0.3	0.3	0.2	0.3	0.3	0.6	0.1	.	0.2	0.2	0.1	0.2	0.1	0.6	0.1	
Atherosclerotic HD	7.6	8.1	7.1	10.8	3.9	4.2	4.6	.	0.5	0.5	0.6	0.7	0.4	4.2	4.6	
Cardiomyopathy	9.4	10.9	7.5	13.0	5.0	6.1	6.8	1.4	1.8	2.1	1.3	2.0	1.7	6.1	6.8	
Cardiac arrhythmia	11.8	12.4	11.1	14.7	8.4	8.1	8.8	0.8	3.2	3.4	2.9	3.2	3.4	8.1	8.8	
Cardiac arrest	42.3	43.0	41.3	48.9	35.7	28.1	28.4	5.3	13.1	13.8	12.2	12.0	14.8	28.1	28.4	
Valvular HD	1.8	1.6	2.1	2.3	1.3	0.8	0.6	0.2	0.8	0.5	1.1	1.0	0.6	0.8	0.6	
Pulmonary edema	2.0	1.9	2.1	2.7	1.1	1.4	1.1	0.8	0.6	0.6	0.5	0.5	0.6	1.4	1.1	
AIDS	1.8	2.6	0.9	0.3	4.1	1.4	0.2	0.4	5.9	7.9	3.1	1.2	10.1	1.4	0.2	
Cachexia	2.7	2.4	3.2	3.8	1.5	1.1	1.2	.	0.3	0.3	0.3	0.5	0.2	1.1	1.2	
Cerebrovascular dis.	11.4	9.7	13.5	12.8	9.8	8.3	11.4	2.1	3.9	3.4	4.7	3.9	4.2	8.3	11.4	
G.I. hemorrhage	2.3	2.3	2.3	2.7	1.8	2.2	1.5	0.6	0.6	0.6	0.7	0.6	0.7	2.2	1.5	
Other hemorrhage	2.5	2.4	2.6	2.8	2.1	1.9	2.7	0.6	1.1	1.1	1.3	1.1	1.3	1.9	2.7	
Septicemia	21.6	19.7	24.0	24.1	19.3	15.6	14.6	3.3	8.3	7.2	9.8	8.9	8.3	15.6	14.6	
Pulmonary infection	5.9	6.6	5.2	7.8	3.6	4.4	5.9	0.8	1.4	1.6	1.0	1.2	1.6	4.4	5.9	
Viral infection	0.3	0.3	0.3	0.4	0.2	.	0.1	0.4	0.2	0.2	0.3	0.3	0.2	.	0.1	
Other infection	1.1	0.9	1.3	1.3	0.8	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.7	
Malignant disease	10.3	11.7	8.6	12.9	7.7	8.1	4.7	1.2	1.3	1.4	1.3	1.9	1.0	8.1	4.7	
Other	46.5	45.6	47.7	60.2	30.5	37.0	27.5	12.3	16.5	17.2	15.6	17.7	16.6	37.0	27.5	
Unknown	14.8	14.5	15.1	16.5	13.5	13.1	7.2	2.1	6.0	6.6	5.1	5.5	6.7	13.1	7.2	
Years at risk	344,582	192,329	152,253	187,334	136,783	3,599	12,320	4,864	77,540	45,051	32,489	31,144	40,593	3,599	12,320	
Patients	444,624	248,969	195,655	251,687	167,133	4,397	15,362	6,727	93,966	54,779	39,187	38,754	48,084	4,397	15,362	

  

	45-64							65+						
	ALL	Male	Female	White	Black	N Am	Asian	ALL	Male	Female	White	Black	N Am	Asian
All	144.2	147.7	139.6	165.1	130.2	155.9	142.9	350.4	358.0	341.5	380.9	293.7	155.9	142.9
Acute MI.	12.5	13.9	10.8	15.2	10.5	11.4	12.4	27.8	30.7	24.4	31.0	21.4	11.4	12.4
Hyperkalemia	1.9	1.8	2.1	2.7	1.3	1.7	2.3	5.8	5.5	6.2	7.3	2.7	1.7	
Pericarditis	0.3	0.4	0.2	0.3	0.3	0.6	0.1	0.3	0.3	0.3	0.3	0.4	0.6	0.1
Atherosclerotic HD	3.0	3.3	2.7	4.0	2.3	4.2	4.6	14.8	16.1	13.3	17.5	9.5	4.2	4.6
Cardiomyopathy	5.3	6.0	4.4	6.7	4.1	6.1	6.8	16.5	19.8	12.6	19.8	9.4	6.1	6.8
Cardiac arrhythmia	8.4	9.3	7.4	9.9	7.4	8.1	8.8	19.0	20.1	17.7	21.1	14.7	8.1	8.8
Cardiac arrest	28.2	29.5	26.4	29.8	28.0	28.1	28.4	68.6	70.7	66.2	70.9	66.3	28.1	28.4
Valvular HD	1.3	1.2	1.3	1.4	1.2	0.8	0.6	2.8	2.6	3.2	3.3	2.1	0.8	0.6
Pulmonary edema	1.1	0.9	1.2	1.2	1.0	1.4	1.1	3.4	3.3	3.6	4.2	1.9	1.4	1.1
AIDS	1.4	2.0	0.6	0.3	2.7	1.4	0.2	0.1	0.2	<0.05	<0.05	0.3	1.4	0.2
Cachexia	1.1	0.8	1.4	1.4	0.8	1.1	1.2	5.3	4.8	5.9	6.1	3.8	1.1	1.2
Cerebrovascular dis	7.7	6.7	8.9	7.3	8.2	8.3	11.4	18.3	15.8	21.2	18.5	17.6	8.3	11.4
G.I. hemorrhage	1.6	1.8	1.4	1.9	1.4	2.2	1.5	3.6	3.6	3.7	3.8	3.4	2.2	1.5
Other hemorrhage	1.8	1.9	1.8	1.9	1.8	1.9	2.7	3.7	3.5	3.9	3.8	3.5	1.9	2.7
Septicemia	17.2	15.9	19.0	18.9	16.4	15.6	14.6	32.1	29.9	34.7	31.9	34.2	15.6	14.6
Pulmonary infection	2.8	2.9	2.6	3.7	2.0	4.4	5.9	10.7	12.2	9.0	12.0	7.5	4.4	5.9
Viral infection	0.3	0.3	0.2	0.4	0.2	.	0.1	0.4	0.4	0.4	0.5	0.2	.	0.1
Other infection	0.9	0.8	1.1	1.3	0.5	0.6	0.7	1.5	1.3	1.7	1.5	1.4	0.6	0.7
Malignant disease	7.8	8.1	7.3	10.0	6.0	8.1	4.7	17.1	20.5	13.1	18.0	16.3	8.1	4.7
Other	29.2	29.3	29.1	36.2	23.6	37.0	27.5	75.6	74.7	76.6	86.4	53.0	37.0	27.5
Unknown	10.4	11.0	9.5	10.7	10.5	13.1	7.2	22.9	22.0	24.0	23.1	24.3	13.1	7.2
Years at risk	110,373	62,582	47,790	51,306	52,340	3,599	12,320	151,805	82,040	69,765	102,160	42,242	3,599	12,320
Patients	136,750	77,767	58,983	66,072	62,366	4,397	15,362	207,181	112,755	94,426	143,058	54,518	4,397	15,362

".": Zero patients in this cell.

Table H.21

**Death Rates: by Primary Cause of Death**

*all hemodialysis patients, 1996-1998, rates per 1,000 patient years at risk*

	All							0-19		20-44				
	ALL	Male	Female	White	Black	N Am	Asian	ALL	ALL	Male	Female	White	Black	
All	227.2	225.0	229.5	276.6	174.8	183.2	181.1	32.0	85.9	87.6	83.5	98.4	80.7	
Acute MI.	20.1	21.0	19.0	25.4	14.1	16.0	17.6	.	4.9	5.1	4.6	7.2	3.3	
Hyperkalemia	4.1	3.9	4.2	5.8	2.0	2.8	3.9	1.8	2.4	2.6	2.1	3.6	1.5	
Pericarditis	0.3	0.3	0.2	0.3	0.3	0.4	0.1	.	0.3	0.3	0.2	0.2	0.3	
Atherosclerotic HD	8.3	8.2	8.4	11.6	4.7	5.3	6.6	.	1.0	1.0	1.2	1.7	0.6	
Cardiomyopathy	8.9	10.0	7.6	12.3	5.0	5.8	8.2	2.1	1.8	2.0	1.4	2.1	1.6	
Cardiac arrhythmia	13.1	13.4	12.7	16.8	9.0	9.8	11.7	1.4	4.5	4.8	4.1	6.1	3.6	
Cardiac arrest	48.0	47.8	48.2	56.0	39.8	42.5	41.2	3.9	18.2	18.1	18.3	20.9	17.1	
Valvular HD	1.6	1.5	1.8	2.1	1.2	0.6	1.1	.	0.7	0.5	0.9	0.8	0.6	
Pulmonary edema	2.1	2.0	2.3	2.9	1.3	2.0	1.5	0.4	0.7	0.7	0.7	0.7	0.8	
AIDS	1.2	1.8	0.5	0.2	2.6	0.4	0.1	1.1	4.8	6.2	2.7	1.0	8.3	
Cachexia	2.4	2.1	2.7	3.3	1.4	1.2	1.4	.	0.5	0.5	0.5	0.9	0.2	
Cerebrovascular dis.	13.1	11.2	15.2	14.4	11.6	11.4	14.6	2.1	5.3	4.8	6.0	6.5	4.5	
G.I. hemorrhage	2.1	2.1	2.2	2.5	1.8	1.6	1.6	0.7	0.7	0.7	0.7	0.8	0.7	
Other hemorrhage	2.1	2.0	2.2	2.3	1.9	1.8	2.1	0.4	1.2	1.2	1.1	1.1	1.3	
Septicemia	23.6	21.2	26.3	25.9	21.8	18.3	17.6	2.5	9.1	8.3	10.3	10.4	8.7	
Pulmonary infection	5.6	6.2	4.9	7.2	3.5	6.1	6.5	1.1	1.5	1.7	1.1	1.5	1.5	
Viral infection	0.3	0.3	0.3	0.3	0.2	.	0.2	.	0.3	0.2	0.3	0.3	0.3	
Other infection	1.0	0.9	1.1	1.2	0.8	0.8	1.0	0.7	0.6	0.7	0.6	0.9	0.5	
Malignant disease	8.5	9.8	7.1	10.4	6.9	5.1	4.8	1.8	1.1	1.0	1.2	1.5	0.9	
Other	44.7	43.5	46.0	58.2	30.1	34.3	30.7	10.3	18.6	18.7	18.5	21.9	17.0	
Unknown	16.1	15.7	16.5	17.8	14.7	16.9	8.6	1.8	7.7	8.2	7.0	8.2	7.6	
Years at risk	504,209	262,806	241,403	260,588	208,549	8,975	17,639	2,815	87,758	52,605	35,153	36,256	45,224	
Patients	656,204	343,056	313,148	353,672	257,435	11,218	22,482	3,875	108,609	65,207	43,402	46,535	54,222	

  

	45-64					65+				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	160.7	161.7	159.7	192.3	136.9	339.4	352.7	327.1	377.7	279.5
Acute MI.	16.2	17.0	15.2	20.5	12.6	29.4	32.8	26.3	33.4	22.8
Hyperkalemia	2.7	2.6	2.7	3.8	1.5	5.9	5.8	6.0	7.7	2.8
Pericarditis	0.3	0.4	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Atherosclerotic HD	4.2	4.2	4.2	5.9	2.8	14.6	15.6	13.7	17.7	9.5
Cardiomyopathy	5.5	6.1	4.7	7.2	4.0	14.5	17.6	11.7	18.1	8.5
Cardiac arrhythmia	9.7	10.0	9.4	12.3	7.5	19.3	20.8	18.0	22.5	14.3
Cardiac arrest	35.2	35.5	34.9	40.8	31.2	70.7	74.3	67.5	75.1	64.3
Valvular HD	1.1	1.1	1.1	1.2	1.1	2.4	2.3	2.6	2.9	1.8
Pulmonary edema	1.4	1.3	1.5	1.7	1.2	3.3	3.4	3.3	4.2	1.9
AIDS	0.9	1.3	0.3	0.1	1.7	0.1	0.1	<0.05	<0.05	0.2
Cachexia	1.1	1.0	1.2	1.5	0.7	4.2	3.9	4.4	5.0	2.9
Cerebrovascular dis	9.7	8.6	11.1	10.1	9.6	19.1	16.8	21.2	19.2	18.4
G.I. hemorrhage	1.4	1.4	1.4	1.6	1.3	3.3	3.4	3.2	3.4	3.2
Other hemorrhage	1.5	1.5	1.4	1.4	1.6	3.0	2.9	3.1	3.2	2.6
Septicemia	18.9	17.4	20.7	21.3	17.7	33.4	31.2	35.5	33.0	35.0
Pulmonary infection	2.8	3.2	2.3	3.6	2.1	9.6	11.2	8.1	10.9	6.6
Viral infection	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.4	0.4	0.3
Other infection	0.9	0.8	1.0	1.2	0.6	1.3	1.2	1.3	1.3	1.2
Malignant disease	5.9	6.2	5.4	6.9	5.3	13.7	17.5	10.2	15.0	12.5
Other	29.3	29.2	29.4	37.6	22.5	68.1	69.2	66.9	80.9	47.4
Unknown	12.0	12.8	11.1	13.0	11.4	22.9	22.2	23.5	23.4	23.2
Years at risk	187,445	100,033	87,412	84,884	88,103	226,191	108,595	117,595	138,052	74,121
Patients	236,994	126,568	110,426	111,878	106,827	306,726	149,110	157,616	193,340	94,892

..Zero patients in this cell.

Table H.22

**Death Rates: by Primary Cause of Death***diabetic hemodialysis patients, 1996-1998, rates per 1,000 patient years at risk*

	All							0-19		20-44				
	ALL	Male	Female	White	Black	N Am	Asian	ALL		ALL	Male	Female	White	Black
All	261.1	264.6	258.2	308.7	207.3	206.0	241.8	.	.	157.1	159.3	154.3	182.6	128.4
Acute MI.	26.7	29.2	24.7	32.6	19.6	19.9	27.1	.	.	13.5	14.5	12.2	17.9	7.2
Hyperkalemia	4.8	5.0	4.7	6.5	2.5	3.6	6.4	.	.	5.2	5.7	4.7	6.4	3.4
Pericarditis	0.3	0.3	0.3	0.3	0.3	0.4	0.1	.	.	0.6	0.5	0.7	0.4	0.8
Atherosclerotic HD	10.3	10.2	10.5	13.8	6.3	6.4	9.8	.	.	3.2	3.0	3.5	4.3	2.3
Cardiomyopathy	9.6	11.1	8.4	13.0	5.4	6.2	10.3	.	.	2.7	2.3	3.2	3.0	2.5
Cardiac arrhythmia	16.0	16.7	15.4	20.4	10.9	10.9	16.1	.	.	10.3	11.2	9.2	13.5	6.6
Cardiac arrest	59.4	61.1	58.0	68.6	48.9	50.8	61.4	.	.	38.3	37.9	38.9	42.7	34.7
Valvular HD	1.2	1.2	1.3	1.5	1.0	0.4	1.8	.	.	0.3	0.3	0.3	0.2	0.5
Pulmonary edema	2.5	2.6	2.4	3.3	1.7	2.6	1.6	.	.	1.2	1.0	1.4	1.4	0.8
AIDS	0.2	0.3	0.1	0.1	0.4	.	.	.	.	1.1	1.4	0.8	0.7	1.8
Cachexia	2.2	2.2	2.2	2.9	1.3	1.3	2.1	.	.	1.7	2.0	1.4	2.6	0.7
Cerebrovascular dis.	16.8	15.0	18.2	17.6	15.7	14.4	18.6	.	.	11.3	10.9	11.8	13.9	7.7
G.I. hemorrhage	2.0	2.0	2.1	2.1	2.1	1.1	1.9	.	.	1.2	1.4	0.9	1.0	1.3
Other hemorrhage	1.4	1.2	1.5	1.4	1.4	1.8	1.6	.	.	1.3	1.6	0.9	1.6	1.0
Septicemia	30.5	28.7	32.0	33.0	28.8	21.3	23.2	.	.	15.9	16.1	15.7	16.9	15.9
Pulmonary infection	5.6	6.4	4.9	6.5	3.9	7.5	8.0	.	.	2.4	2.5	2.2	2.4	1.8
Viral infection	0.3	0.3	0.3	0.2	0.3	.	0.4	.	.	0.2	0.3	0.1	0.1	0.5
Other infection	1.2	1.1	1.3	1.4	1.1	1.1	1.2	.	.	1.3	1.5	1.1	1.8	0.8
Malignant disease	5.7	6.4	5.1	6.0	5.6	3.5	5.1	.	.	0.7	0.6	0.8	0.7	0.7
Other	45.5	44.5	46.2	57.1	32.4	33.7	34.9	.	.	29.5	28.4	30.9	34.7	23.1
Unknown	18.9	19.2	18.7	20.5	17.7	19.3	10.0	.	.	15.1	16.2	13.6	16.5	14.4
Years at risk	180,222	81,532	98,690	94,697	69,455	5,489	6,713	60	60	16,957	9,557	7,401	9,589	6,106
Patients	243,100	111,120	131,980	132,925	88,950	6,981	8,918	77	77	22,820	12,902	9,918	13,391	7,786

  

	45-64					65+				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	193.8	199.3	188.8	234.1	158.6	345.5	366.8	331.0	395.6	276.7
Acute MI.	21.9	23.8	20.2	27.5	16.8	33.9	39.3	30.2	39.8	25.3
Hyperkalemia	3.6	3.7	3.4	4.9	1.8	5.9	6.3	5.6	7.8	3.1
Pericarditis	0.3	0.4	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.2
Atherosclerotic HD	6.0	6.1	5.9	8.4	3.8	15.9	16.7	15.3	20.1	9.9
Cardiomyopathy	6.1	7.3	5.0	8.4	3.7	14.2	17.7	11.9	18.8	7.8
Cardiac arrhythmia	12.1	11.9	12.2	15.7	8.4	20.8	23.5	19.0	25.7	14.5
Cardiac arrest	45.4	47.0	43.9	54.5	37.3	76.9	83.3	72.5	85.5	64.5
Valvular HD	0.9	0.9	0.9	1.1	0.8	1.7	1.7	1.7	2.0	1.3
Pulmonary edema	1.9	1.9	1.8	2.3	1.5	3.4	3.8	3.1	4.4	2.0
AIDS	0.2	0.3	0.1	<0.05	0.4	0.1	0.1	0.1	<0.05	0.1
Cachexia	1.4	1.6	1.2	1.9	0.9	3.0	2.9	3.1	3.8	1.9
Cerebrovascular dis	13.0	11.8	14.1	13.6	12.9	21.5	19.8	22.6	21.7	20.5
G.I. hemorrhage	1.3	1.2	1.4	1.4	1.4	2.9	3.0	2.8	2.8	3.0
Other hemorrhage	1.0	1.0	1.0	0.8	1.3	1.7	1.4	2.0	1.8	1.5
Septicemia	23.9	22.7	24.9	27.1	22.3	39.7	38.8	40.3	41.2	38.5
Pulmonary infection	3.2	4.2	2.4	3.9	2.5	8.4	9.9	7.4	9.4	5.9
Viral infection	0.2	0.2	0.2	0.1	0.3	0.3	0.4	0.3	0.3	0.4
Other infection	1.1	0.9	1.3	1.4	0.9	1.3	1.2	1.4	1.3	1.4
Malignant disease	3.6	3.5	3.6	3.2	4.3	8.6	11.2	6.9	9.4	8.1
Other	32.3	32.6	32.1	41.7	23.6	61.1	62.4	60.2	74.2	44.0
Unknown	14.5	16.3	12.9	15.9	13.5	23.8	23.3	24.2	25.2	22.9
Years at risk	79,127	37,871	41,256	38,241	33,070	84,078	34,075	50,003	46,840	30,253
Patients	104,408	50,272	54,136	52,454	41,828	115,795	47,909	67,886	67,046	39,299

".": Zero patients in this cell.

Table H.23

**Death Rates: by Primary Cause of Death**

*non-diabetic hemodialysis patients, 1996-1998, rates per 1,000 patient years at risk*

	All							0 - 19		20-44				
	ALL	Male	Female	White	Black	N Am	Asian	ALL	ALL	Male	Female	White	Black	
All	214.1	213.2	215.3	264.9	160.9	157.0	146.8	31.4	69.2	72.3	64.5	67.6	74.2	
Acute MI.	16.7	17.8	15.2	21.6	11.3	10.8	12.2	.	2.8	2.8	2.7	3.2	2.6	
Hyperkalemia	3.7	3.5	4.0	5.5	1.7	1.7	2.4	1.9	1.7	1.8	1.5	2.5	1.1	
Pericarditis	0.3	0.3	0.2	0.3	0.3	0.7	0.1	.	0.2	0.3	<0.05	0.2	0.2	
Atherosclerotic HD	7.5	7.7	7.2	10.7	3.9	4.4	4.5	.	0.5	0.5	0.5	0.7	0.3	
Cardiomyopathy	8.8	9.9	7.4	12.2	4.8	5.7	7.4	2.3	1.6	1.9	1.0	1.8	1.5	
Cardiac arrhythmia	11.7	12.2	11.1	14.9	8.2	8.8	9.0	1.2	3.1	3.4	2.7	3.2	3.2	
Cardiac arrest	42.4	42.6	42.2	49.6	35.5	29.0	29.7	3.1	13.1	13.4	12.6	12.5	14.2	
Valvular HD	1.9	1.6	2.2	2.5	1.3	1.0	0.7	.	0.8	0.6	1.2	1.1	0.7	
Pulmonary edema	2.0	1.9	2.3	2.8	1.2	1.0	1.3	0.4	0.6	0.7	0.6	0.6	0.7	
AIDS	1.8	2.5	0.9	0.2	3.9	0.7	0.2	0.4	6.0	7.7	3.4	1.2	9.8	
Cachexia	2.6	2.2	3.1	3.7	1.5	1.0	1.0	.	0.2	0.2	0.2	0.4	0.2	
Cerebrovascular dis.	11.3	9.7	13.3	12.7	9.7	6.8	12.1	2.3	3.8	3.4	4.3	3.7	4.0	
G.I. hemorrhage	2.3	2.3	2.3	2.8	1.8	2.7	1.5	0.8	0.6	0.6	0.7	0.7	0.6	
Other hemorrhage	2.6	2.4	2.8	3.0	2.2	2.0	2.6	0.4	1.2	1.1	1.2	1.0	1.4	
Septicemia	19.9	18.1	22.3	22.1	18.2	14.5	14.5	2.7	7.4	6.7	8.6	7.9	7.4	
Pulmonary infection	5.9	6.5	5.3	7.9	3.6	4.7	5.8	1.2	1.3	1.6	0.8	1.1	1.5	
Viral infection	0.3	0.3	0.3	0.4	0.2	.	0.1	.	0.3	0.2	0.4	0.3	0.3	
Other infection	0.9	0.9	0.9	1.1	0.7	0.3	0.8	0.8	0.5	0.5	0.4	0.6	0.5	
Malignant disease	10.7	12.0	9.0	13.6	7.8	8.4	4.8	1.9	1.2	1.2	1.3	1.8	1.0	
Other	45.9	44.6	47.7	60.8	29.6	37.8	28.0	10.1	16.4	17.2	15.1	17.8	16.5	
Unknown	14.9	14.5	15.4	16.7	13.6	14.9	8.0	1.9	5.9	6.5	5.1	5.3	6.6	
Years at risk	289,876	163,881	125,995	152,235	121,092	2,962	9,946	2,579	62,378	37,779	24,599	23,568	34,451	
Patients	372,605	211,074	161,531	204,086	147,649	3,621	12,407	3,562	75,517	45,828	29,689	29,280	40,852	

  

	45-64					65+				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	138.0	140.5	134.6	160.0	124.6	338.0	345.6	329.1	369.9	282.5
Acute MI.	12.0	13.1	10.5	15.0	10.0	26.7	29.6	23.4	30.0	20.7
Hyperkalemia	2.0	1.9	2.1	2.8	1.4	5.9	5.5	6.3	7.5	2.7
Pericarditis	0.3	0.4	0.2	0.2	0.4	0.3	0.3	0.2	0.3	0.4
Atherosclerotic HD	2.9	3.1	2.7	4.0	2.1	14.0	15.0	12.9	16.7	9.1
Cardiomyopathy	5.0	5.5	4.3	6.3	4.0	14.9	17.5	11.9	17.9	8.8
Cardiac arrhythmia	7.9	8.7	6.8	9.2	7.1	18.5	19.6	17.3	20.8	14.2
Cardiac arrest	27.5	28.2	26.5	29.1	27.5	67.2	69.5	64.5	69.8	64.2
Valvular HD	1.3	1.2	1.4	1.4	1.2	2.8	2.5	3.2	3.3	2.0
Pulmonary edema	1.1	0.9	1.4	1.2	1.0	3.4	3.3	3.5	4.2	1.9
AIDS	1.4	2.0	0.6	0.2	2.6	0.1	0.2	<0.05	<0.05	0.3
Cachexia	0.9	0.6	1.2	1.1	0.7	4.9	4.3	5.6	5.8	3.5
Cerebrovascular dis	7.3	6.6	8.4	6.8	7.8	17.6	15.4	20.2	17.9	17.1
G.I. hemorrhage	1.6	1.7	1.5	2.0	1.3	3.6	3.6	3.5	3.7	3.3
Other hemorrhage	1.8	1.8	1.8	1.9	1.8	3.8	3.6	4.1	4.0	3.4
Septicemia	15.2	14.3	16.5	16.7	14.6	29.4	27.4	31.7	28.6	32.3
Pulmonary infection	2.7	2.8	2.5	3.7	1.9	10.4	11.8	8.9	11.8	7.4
Viral infection	0.3	0.3	0.2	0.4	0.2	0.3	0.3	0.4	0.4	0.1
Other infection	0.7	0.7	0.8	1.0	0.5	1.2	1.2	1.2	1.2	1.2
Malignant disease	8.0	8.3	7.6	10.8	6.0	17.1	20.6	13.2	18.2	16.1
Other	27.7	27.3	28.2	35.4	22.1	73.1	72.6	73.6	84.8	50.3
Unknown	10.3	10.8	9.5	10.7	10.3	22.6	21.8	23.4	22.7	23.8
Years at risk	91,762	53,249	38,513	40,172	46,186	133,156	71,404	61,752	87,201	39,446
Patients	113,272	65,841	47,431	51,661	54,944	180,254	97,401	82,853	121,363	50,477

..Zero patients in this cell.

Table H.24

**Death Rates: by Primary Cause of Death**

all CAPD/CCPD patients, 1996-1998, rates per 1,000 patient years at risk

	All							0-19	20-44					
	ALL	Male	Female	White	Black	N Am	Asian	ALL	ALL	Male	Female	White	Black	
All	230.5	239.9	220.5	263.9	174.9	179.5	136.2	36.3	88.6	92.7	84.7	96.4	85.2	
Acute MI.	22.3	25.7	18.8	26.2	14.9	20.1	15.0	0.5	6.6	8.4	5.0	8.6	4.4	
Hyperkalemia	2.5	2.7	2.4	3.4	0.9	1.7	1.3	0.5	1.6	1.7	1.5	2.2	1.0	
Pericarditis	0.2	0.2	0.2	0.2	0.1	.	0.6	.	0.1	0.2	0.1	0.3	.	
Atherosclerotic HD	9.9	11.4	8.4	12.7	4.8	5.0	6.4	.	2.0	2.1	1.9	2.8	1.1	
Cardiomyopathy	12.6	16.1	8.9	16.2	6.2	7.5	3.8	0.5	2.9	3.5	2.4	2.8	3.4	
Cardiac arrhythmia	12.8	14.3	11.2	14.8	9.1	10.1	9.2	0.5	3.6	3.7	3.5	4.2	3.3	
Cardiac arrest	44.5	47.7	41.1	49.7	36.9	33.6	28.4	7.1	18.6	19.7	17.6	20.4	18.0	
Valvular HD	1.2	1.4	1.0	1.5	0.8	.	0.3	0.5	0.4	0.4	0.5	0.5	0.4	
Pulmonary edema	1.7	1.6	1.8	2.1	1.0	0.8	1.6	0.9	0.4	0.6	0.3	0.6	0.1	
AIDS	1.2	1.9	0.4	0.3	3.3	2.5	.	0.5	3.1	5.4	0.9	1.0	6.7	
Cachexia	3.3	3.0	3.5	4.0	1.9	2.5	2.2	.	0.7	0.9	0.6	1.2	0.3	
Cerebrovascular dis.	13.6	11.3	16.0	15.0	11.7	10.1	7.7	1.9	5.6	4.9	6.3	6.1	5.6	
G.I. hemorrhage	1.9	2.1	1.7	2.0	1.7	3.4	1.6	0.5	0.6	0.6	0.7	0.4	0.9	
Other hemorrhage	1.4	1.3	1.5	1.4	1.4	1.7	1.3	0.9	0.8	0.5	1.2	0.9	0.7	
Septicemia	34.3	30.6	38.2	37.2	29.5	38.6	18.8	3.8	14.1	11.9	16.2	15.5	13.3	
Pulmonary infection	5.0	6.2	3.8	5.9	3.1	4.2	6.4	0.5	1.7	1.4	2.0	2.0	1.4	
Viral infection	0.3	0.3	0.3	0.4	0.1	.	0.3	0.9	<0.05	.	0.1	0.1	.	
Other infection	2.1	1.3	2.9	2.4	1.7	0.8	0.6	0.5	0.9	0.7	1.1	0.9	1.1	
Malignant disease	5.2	6.1	4.3	6.1	3.9	2.5	2.6	0.5	1.0	1.1	0.9	1.1	1.1	
Other	40.8	40.2	41.4	47.4	29.8	23.5	23.6	15.6	15.9	16.0	15.8	16.6	15.4	
Unknown	13.7	14.7	12.6	15.2	12.0	10.9	4.5	0.5	7.4	8.7	6.1	8.2	7.0	
Years at risk	75,054	38,542	36,512	49,023	20,306	1,192	3,135	2,119	20,001	9,740	10,261	11,233	7,016	
Patients	98,740	51,183	47,557	66,518	24,941	1,485	3,925	2,951	25,101	12,385	12,716	14,672	8,296	

  

	45-64					65+				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	203.0	211.0	194.9	226.3	173.0	414.5	412.4	417.1	430.5	380.8
Acute MI.	22.3	25.4	19.2	25.6	17.7	38.5	42.2	34.1	40.0	30.7
Hyperkalemia	2.2	2.2	2.2	3.1	0.6	4.1	4.3	3.8	4.6	1.7
Pericarditis	0.2	0.3	0.1	0.1	0.3	0.2	0.1	0.4	0.2	.
Atherosclerotic HD	6.4	7.0	5.8	7.6	4.2	22.9	25.3	19.9	25.5	14.3
Cardiomyopathy	9.1	11.4	6.8	11.8	4.9	27.3	33.6	19.6	30.9	16.4
Cardiac arrhythmia	12.7	13.8	11.6	14.6	9.6	22.2	24.5	19.4	22.9	20.7
Cardiac arrest	40.8	44.6	36.9	44.4	37.3	76.4	77.8	74.7	77.7	78.0
Valvular HD	0.9	1.0	0.9	1.1	0.6	2.3	2.8	1.8	2.5	2.3
Pulmonary edema	1.1	1.1	1.1	1.4	0.6	3.7	3.0	4.6	3.9	3.4
AIDS	0.7	1.1	0.4	0.3	1.8	0.1	0.2	.	.	0.6
Cachexia	2.0	1.7	2.3	2.8	0.5	7.6	6.6	8.8	7.5	9.2
Cerebrovascular dis	12.2	9.8	14.8	12.7	12.8	23.7	19.1	29.3	24.1	22.7
G.I. hemorrhage	1.5	1.9	1.1	1.5	1.6	3.7	3.7	3.8	3.8	3.7
Other hemorrhage	1.3	1.4	1.3	1.4	1.2	2.0	1.7	2.3	1.7	3.4
Septicemia	34.9	31.8	38.1	38.1	30.1	54.6	46.4	64.6	52.8	64.6
Pulmonary infection	3.2	3.7	2.6	3.4	2.4	10.9	13.6	7.7	11.4	8.6
Viral infection	0.2	0.3	0.1	0.4	.	0.5	0.4	0.6	0.5	0.3
Other infection	1.7	1.2	2.3	1.9	1.4	3.8	2.0	6.0	4.0	4.0
Malignant disease	4.1	4.1	4.1	4.5	3.6	11.0	13.0	8.5	11.6	11.2
Other	33.2	33.2	33.2	36.7	29.4	76.1	70.4	83.0	81.5	61.4
Unknown	12.1	14.0	10.0	12.9	12.2	22.8	21.7	24.2	23.4	23.5
Years at risk	30,702	15,462	15,240	19,001	9,266	22,232	12,233	9,999	17,436	3,485
Patients	39,661	20,184	19,477	25,274	11,272	31,027	17,086	13,941	24,653	4,655

".": Zero patients in this cell.

Table H.25

**Death Rates: by Primary Cause of Death**

*diabetic CAPD/CCPD patients, 1996-1998, rates per 1,000 patient years at risk*

	All							0-19	20-44				
	ALL	Male	Female	White	Black	N Am	Asian	ALL	ALL	Male	Female	White	Black
All	326.1	318.0	334.8	357.1	266.9	246.9	261.7	.	164.7	162.3	167.5	170.8	146.9
Acute MI.	36.9	39.5	34.1	40.9	27.8	28.2	30.1	.	18.3	19.9	16.5	21.3	12.1
Hyperkalemia	3.9	4.1	3.7	5.0	1.6	1.8	1.2	.	5.0	4.5	5.5	5.2	5.5
Pericarditis	0.4	0.3	0.4	0.2	0.5	.	2.4	.	.	.	.	.	.
Atherosclerotic HD	15.6	16.3	14.8	18.7	9.4	7.1	12.1	.	5.6	5.3	6.0	6.6	2.2
Cardiomyopathy	16.6	18.9	14.1	20.2	8.9	8.8	8.4	.	4.1	4.5	3.7	3.2	5.5
Cardiac arrhythmia	17.5	19.1	15.9	19.9	11.4	15.9	19.3	.	6.5	7.3	5.5	8.1	1.1
Cardiac arrest	68.0	68.0	68.1	72.9	60.3	49.4	60.3	.	39.5	37.4	41.8	41.7	30.9
Valvular HD	0.9	0.9	0.9	1.0	0.7	.	.	.	0.6	1.2	.	0.9	.
Pulmonary edema	2.4	1.6	3.2	2.5	2.0	.	4.8	.	0.6	0.8	0.5	0.9	.
AIDS	0.2	0.3	0.1	0.2	0.4	.	.	.	0.4	0.8	.	0.3	1.1
Cachexia	4.0	3.4	4.7	4.7	2.7	3.5	3.6	.	2.2	2.4	1.8	2.6	1.1
Cerebrovascular dis.	20.3	16.0	24.9	21.3	19.4	12.3	14.5	.	10.6	10.2	11.0	10.6	11.0
G.I. hemorrhage	2.3	2.5	2.1	2.1	2.7	5.3	2.4	.	1.1	0.8	1.4	0.6	1.1
Other hemorrhage	1.3	1.1	1.6	1.4	1.5	3.5	.	.	0.9	0.4	1.4	1.2	.
Septicemia	51.2	44.8	57.9	53.5	44.9	60.0	38.6	.	25.2	22.8	28.0	25.0	26.5
Pulmonary infection	6.5	7.6	5.4	6.5	6.4	8.8	10.9	.	3.7	2.8	4.6	3.7	3.3
Viral infection	0.3	0.2	0.3	0.4	.	.	1.2	.	0.2	.	0.5	0.3	.
Other infection	2.7	1.9	3.6	3.0	2.5	.	1.2	.	0.9	0.8	0.9	0.9	1.1
Malignant disease	4.3	4.5	4.0	4.2	5.1	1.8	4.8	.	0.6	0.4	0.9	0.6	1.1
Other	51.1	46.3	56.2	57.2	40.7	24.7	35.0	.	24.8	24.8	24.8	23.0	29.8
Unknown	19.7	20.5	18.9	21.3	18.0	15.9	10.9	.	14.0	15.1	12.8	14.4	13.3
Years at risk	23,727	12,199	11,527	16,267	5,507	567	829	10	4,638	2,458	2,180	3,478	906
Patients	33,446	17,238	16,208	23,571	7,262	741	1,112	16	6,416	3,421	2,995	4,931	1,150

  

	45-64					65+				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	286.1	286.2	286.1	323.8	230.3	493.1	473.7	512.9	527.8	423.9
Acute MI.	35.6	37.6	33.6	40.9	27.8	50.7	55.7	45.5	53.9	37.6
Hyperkalemia	3.2	3.6	2.8	4.8	0.6	4.4	4.6	4.1	5.1	1.4
Pericarditis	0.5	0.7	0.3	0.3	0.9	0.4	.	0.8	0.4	.
Atherosclerotic HD	10.9	11.3	10.5	13.4	6.6	29.5	31.9	27.1	34.1	20.2
Cardiomyopathy	13.4	16.2	10.5	17.8	6.0	29.5	33.0	25.9	34.9	17.4
Cardiac arrhythmia	17.2	17.7	16.6	20.4	11.1	25.1	29.2	21.0	27.1	18.8
Cardiac arrest	60.5	63.2	57.7	66.2	55.4	98.2	96.0	100.5	103.2	89.8
Valvular HD	0.7	0.5	0.9	0.9	0.3	1.4	1.4	1.4	1.3	2.1
Pulmonary edema	1.7	1.3	2.1	1.7	1.6	4.5	2.4	6.6	4.6	4.2
AIDS	0.3	0.3	0.2	0.3	0.3	.	.	.	.	.
Cachexia	2.8	2.6	3.0	4.1	0.3	7.2	5.4	9.1	6.8	9.0
Cerebrovascular dis	18.2	14.6	22.0	19.3	18.0	29.9	22.2	37.8	31.3	27.8
G.I. hemorrhage	1.5	1.5	1.6	1.2	2.5	4.2	5.1	3.3	4.4	4.2
Other hemorrhage	1.1	1.2	1.0	1.3	0.9	2.0	1.6	2.5	1.5	3.5
Septicemia	49.4	45.7	53.3	55.4	36.4	70.5	58.2	83.1	69.8	75.2
Pulmonary infection	4.5	5.6	3.3	4.4	4.1	11.6	14.1	9.1	11.2	13.2
Viral infection	0.3	0.3	0.2	0.4	.	0.4	0.3	0.6	0.4	.
Other infection	2.1	1.8	2.4	2.0	2.8	4.8	2.7	6.9	5.9	2.8
Malignant disease	3.3	3.5	3.1	3.2	3.5	8.1	8.9	7.2	8.0	11.1
Other	42.0	38.1	46.2	46.7	36.4	82.5	74.1	91.1	94.9	57.1
Unknown	16.8	18.9	14.7	19.0	14.6	28.0	26.8	29.3	29.0	28.5
Years at risk	11,760	6,041	5,719	7,511	3,161	7,319	3,696	3,623	5,271	1,437
Patients	16,159	8,362	7,797	10,623	4,092	10,855	5,450	5,405	8,007	2,015

..Zero patients in this cell.

Table H.26

**Death Rates: by Primary Cause of Death***non-diabetic CAPD/CCPD patients, 1996-1998, rates per 1,000 patient years at risk*

	All							0 - 19		20-44				
	ALL	Male	Female	White	Black	N Am	Asian	ALL	ALL	Male	Female	White	Black	
All	191.3	211.8	169.5	224.9	139.7	122.0	89.5	37.4	65.9	70.4	61.8	62.8	77.6	
Acute MI.	15.8	19.4	11.9	19.2	9.7	14.8	9.2	0.5	2.8	4.6	1.2	2.3	3.4	
Hyperkalemia	2.0	2.2	1.8	2.7	0.8	1.8	1.0	0.5	0.7	1.0	0.4	1.1	0.4	
Pericarditis	0.1	0.1	<0.05	0.1	.	.	.	.	0.1	0.2	.	0.2	.	
Atherosclerotic HD	7.5	9.8	5.2	9.9	3.0	3.7	4.9	.	0.8	0.8	0.7	0.9	0.8	
Cardiomyopathy	11.4	16.0	6.5	14.9	5.5	7.4	2.4	0.5	2.7	3.3	2.2	2.6	3.2	
Cardiac arrhythmia	10.8	12.2	9.2	12.7	7.7	3.7	5.8	0.5	2.8	2.5	3.2	2.6	3.8	
Cardiac arrest	34.3	39.6	28.8	39.1	28.5	18.5	16.5	7.5	11.8	13.6	10.3	10.4	15.3	
Valvular HD	1.4	1.7	1.1	1.8	0.9	.	0.5	0.5	0.4	.	0.7	0.5	0.4	
Pulmonary edema	1.4	1.7	1.1	2.0	0.4	1.8	0.5	1.0	0.4	0.5	0.3	0.6	.	
AIDS	1.7	2.7	0.6	0.4	4.8	5.5	.	0.5	4.2	7.7	1.2	1.2	8.2	
Cachexia	3.1	3.1	3.2	3.9	1.7	1.8	1.5	.	0.4	0.5	0.3	0.6	0.2	
Cerebrovascular dis.	10.8	9.2	12.4	12.4	8.3	9.2	5.3	2.0	4.1	2.8	5.3	4.0	5.0	
G.I. hemorrhage	1.7	1.9	1.5	2.0	1.4	.	1.0	0.5	0.5	0.7	0.4	0.3	1.0	
Other hemorrhage	1.5	1.5	1.5	1.5	1.5	.	1.9	1.0	0.8	0.7	0.9	0.9	0.8	
Septicemia	26.8	24.6	29.0	29.3	23.8	18.5	12.6	4.0	10.7	8.4	12.7	10.9	11.4	
Pulmonary infection	4.6	5.8	3.3	5.9	1.9	.	4.4	0.5	1.2	1.0	1.4	1.2	1.3	
Viral infection	0.3	0.3	0.2	0.3	0.2	.	.	1.0	.	.	.	.	.	
Other infection	1.8	1.1	2.7	2.2	1.4	1.8	0.5	0.5	1.0	0.8	1.2	0.9	1.3	
Malignant disease	6.0	7.5	4.5	7.5	3.6	3.7	1.9	0.5	1.2	1.5	1.0	1.4	1.3	
Other	37.2	39.2	35.2	44.6	25.2	24.0	17.0	15.5	14.0	13.8	14.3	14.9	13.9	
Unknown	11.1	12.3	9.8	12.5	9.5	5.5	2.4	0.5	5.2	6.4	4.2	5.2	5.9	
Years at risk	44,924	23,083	21,842	29,120	12,537	541	2,057	2,004	13,026	6,106	6,921	6,512	5,242	
Patients	57,440	29,924	27,516	38,377	15,008	644	2,516	2,803	15,809	7,496	8,313	8,162	6,115	

  

	45-64					65+				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	151.5	167.2	136.4	163.5	142.8	371.7	380.9	359.0	385.1	337.2
Acute MI.	13.8	17.2	10.6	15.3	12.5	31.9	34.8	28.0	33.7	22.6
Hyperkalemia	1.4	1.2	1.6	1.7	0.8	4.2	4.4	3.9	4.6	2.2
Pericarditis	.	.	.	.	.	0.1	0.1	0.2	0.2	.
Atherosclerotic HD	3.6	4.4	2.8	3.7	3.0	19.2	22.7	14.4	21.1	10.5
Cardiomyopathy	6.6	8.9	4.4	8.0	4.6	26.2	34.1	15.4	28.9	16.0
Cardiac arrhythmia	10.2	11.7	8.8	11.3	8.6	20.0	21.3	18.3	20.7	18.2
Cardiac arrest	27.9	33.3	22.6	29.1	28.6	65.9	69.2	61.3	66.5	71.7
Valvular HD	1.0	1.3	0.8	1.1	0.8	3.0	3.5	2.2	3.1	2.8
Pulmonary edema	0.8	1.2	0.5	1.3	0.2	3.1	3.3	2.8	3.5	1.7
AIDS	1.1	1.6	0.6	0.3	2.8	0.1	0.2	.	.	1.1
Cachexia	1.5	1.3	1.8	2.0	0.8	7.8	7.0	8.9	7.8	8.8
Cerebrovascular dis	8.3	6.3	10.3	8.6	9.1	20.8	17.6	25.1	21.3	18.2
G.I. hemorrhage	1.4	2.1	0.8	1.6	1.2	3.3	3.0	3.7	3.5	2.8
Other hemorrhage	1.7	1.8	1.5	1.5	1.6	2.0	1.8	2.3	1.9	3.9
Septicemia	25.6	23.6	27.6	26.1	27.4	45.9	40.2	53.8	44.7	55.2
Pulmonary infection	2.5	2.5	2.5	3.0	1.6	10.6	13.1	7.0	11.5	5.0
Viral infection	0.3	0.4	0.1	0.4	.	0.4	0.4	0.5	0.4	0.6
Other infection	1.5	0.8	2.3	2.1	0.4	3.2	1.7	5.2	3.1	5.0
Malignant disease	4.9	5.1	4.8	5.6	3.8	12.4	15.0	8.7	13.2	10.5
Other	28.2	31.3	25.3	31.8	23.9	71.5	68.4	75.9	74.7	62.4
Unknown	9.2	11.5	7.0	9.0	11.1	20.0	19.0	21.3	20.8	18.2
Years at risk	15,677	7,679	7,999	9,577	4,971	14,217	8,250	5,967	11,757	1,812
Patients	19,567	9,725	9,842	12,291	5,874	19,261	11,249	8,012	16,104	2,337

".": Zero patients in this cell.

Table H.27

**Death Rates: by Primary Cause of Death**

*all patients with functioning transplants, 1996-1998, rates per 1,000 patient years at risk*

	All							0-19		20-44			
	ALL	Male	Female	White	Black	N Am	Asian	ALL	ALL	Male	Female	White	Black
All	34.7	36.9	31.5	34.6	38.0	36.2	25.8	7.7	17.2	17.9	16.4	17.8	16.8
Acute MI	2.2	2.4	1.9	2.3	2.2	3.4	0.8	.	1.1	1.1	0.9	1.2	0.8
Hyperkalemia	0.1	0.1	0.1	0.1	0.1	0.4	.	0.2	0.1	0.1	0.1	0.1	0.1
Pericarditis	<0.05	<0.05	<0.05	<0.05	0.1	.	.	.	<0.05	<0.05	<0.05	<0.05	.
Atherosclerotic HD	0.4	0.5	0.4	0.5	0.3	0.4	0.4	.	0.2	0.2	0.2	0.3	0.1
Cardiomyopathy	0.4	0.4	0.3	0.4	0.3	0.4	0.3	0.2	0.1	0.2	0.1	0.2	0.1
Cardiac arrhythmia	0.6	0.6	0.6	0.6	0.7	1.5	0.4	0.1	0.4	0.5	0.4	0.5	0.4
Cardiac arrest	2.5	2.5	2.5	2.5	2.8	1.5	2.3	0.7	1.3	1.3	1.4	1.4	1.1
Valvular HD	0.1	<0.05	0.1	0.1	0.2	.	.	.	<0.05	<0.05	<0.05	<0.05	0.1
Pulmonary edema	0.1	0.1	0.2	0.1	0.2	.	0.1	0.1	0.1	0.1	<0.05	<0.05	0.3
AIDS	<0.05	<0.05	.	<0.05	.	.	.	.	<0.05	<0.05	.	<0.05	.
Cachexia	0.1	0.1	0.1	0.1	0.1	.	0.1	.	<0.05	<0.05	.	<0.05	.
Cerebrovascular dis.	1.2	1.1	1.3	1.2	1.0	1.5	1.1	0.5	0.6	0.4	0.7	0.6	0.4
G.I. hemorrhage	0.1	0.1	0.1	0.1	0.2	.	.	0.1	0.1	0.1	0.1	0.1	0.1
Other hemorrhage	0.2	0.3	0.2	0.2	0.2	0.4	0.4	0.1	0.2	0.3	0.1	0.2	0.1
Septicemia	2.1	1.9	2.3	2.0	2.8	1.1	1.9	0.4	1.1	1.0	1.3	1.1	1.2
Pulmonary infection	0.8	0.8	0.9	0.8	0.9	2.3	0.4	0.3	0.4	0.4	0.5	0.4	0.5
Viral infection	0.3	0.3	0.3	0.3	0.3	.	0.3	0.1	0.2	0.1	0.3	0.2	0.1
Other infection	0.2	0.2	0.2	0.2	0.2	.	0.5	0.3	0.1	0.1	0.1	0.1	0.2
Malignant disease	2.0	2.3	1.6	2.1	1.7	1.1	1.1	0.3	0.7	0.9	0.4	0.8	0.6
Other	19.2	20.8	16.9	18.9	21.7	17.9	14.8	3.7	9.3	9.9	8.5	9.5	9.5
Unknown	2.0	2.3	1.7	2.0	2.3	4.2	0.9	0.5	1.1	1.1	1.1	1.1	1.2
Years at risk	224,079	133,972	90,108	171,524	39,454	2,625	7,839	9,757	101,573	59,094	42,479	78,653	17,049
Patients	230,580	137,969	92,611	176,625	40,529	2,694	8,016	10,134	103,684	60,307	43,377	80,373	17,342

  

	45-64					65+				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	45.3	47.7	41.3	44.3	52.0	94.5	100.6	85.1	94.0	97.0
Acute MI	3.2	3.5	2.7	3.2	3.3	5.0	5.3	4.4	5.2	3.9
Hyperkalemia	0.1	<0.05	0.1	0.1	0.1	0.2	0.1	0.3	0.1	.
Pericarditis	<0.05	<0.05	0.1	<0.05	0.1	0.1	0.1	.	.	0.4
Atherosclerotic HD	0.6	0.7	0.5	0.6	0.5	1.3	1.3	1.3	1.4	1.2
Cardiomyopathy	0.5	0.5	0.4	0.5	0.4	1.0	1.0	0.9	1.1	0.4
Cardiac arrhythmia	0.8	0.8	0.8	0.7	0.9	1.2	1.4	0.7	0.9	1.6
Cardiac arrest	3.4	3.3	3.5	3.3	3.9	5.9	6.8	4.4	5.5	7.0
Valvular HD	0.1	0.1	0.2	0.1	0.2	0.2	.	0.4	0.1	0.4
Pulmonary edema	0.1	0.1	0.2	0.1	0.1	0.5	0.3	0.9	0.4	0.8
AIDS	.	.	.	.	.	.	.	.	.	.
Cachexia	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.4
Cerebrovascular dis	1.6	1.6	1.7	1.7	1.4	2.7	2.6	3.0	2.6	3.1
G.I. hemorrhage	0.1	0.2	0.1	0.2	0.1	0.3	0.5	.	0.2	0.8
Other hemorrhage	0.3	0.3	0.2	0.3	0.2	0.5	0.6	0.3	0.4	0.8
Septicemia	2.8	2.6	3.1	2.6	3.5	5.1	4.8	5.6	4.7	8.5
Pulmonary infection	1.0	1.0	1.1	1.0	1.2	2.0	2.0	1.9	1.9	1.6
Viral infection	0.4	0.4	0.4	0.4	0.3	0.8	1.0	0.3	0.7	1.2
Other infection	0.2	0.3	0.2	0.2	0.3	0.4	0.3	0.6	0.4	.
Malignant disease	2.7	3.1	2.1	2.8	2.4	6.6	6.6	6.7	7.1	5.8
Other	24.7	26.5	21.9	23.6	30.3	55.6	59.7	49.3	56.2	53.5
Unknown	2.6	2.9	2.2	2.7	2.7	5.2	6.1	3.7	5.1	5.8
Years at risk	95,425	58,290	37,134	71,382	18,213	17,325	10,577	6,748	13,955	2,577
Patients	98,518	60,238	38,280	73,732	18,795	18,244	11,172	7,072	14,693	2,714

..Zero patients in this cell.



Table H.28

**Death Rates: by Primary Cause of Death***diabetic patients with functioning transplants, 1996-1998, rates per 1,000 patient years at risk*

	All							0 - 19		20-44				
	ALL	Male	Female	White	Black	N Am	Asian	ALL	ALL	Male	Female	White	Black	
All	57.5	58.4	56.1	56.0	66.3	59.8	63.6	.	33.9	33.3	34.7	34.6	30.2	
Acute MI.	5.2	5.1	5.3	5.3	3.9	7.1	6.1	.	3.3	3.3	3.1	3.5	1.6	
Hyperkalemia	0.2	0.1	0.3	0.2	.	1.4	.	.	0.2	0.2	0.3	0.3	.	
Pericarditis	0.1	0.1	0.1	0.1	0.2	.	.	.	0.1	0.1	0.1	0.1	.	
Atherosclerotic HD	1.1	1.0	1.2	1.1	1.0	1.4	3.7	.	0.6	0.5	0.6	0.6	.	
Cardiomyopathy	0.5	0.5	0.6	0.6	0.3	.	.	.	0.2	0.3	0.2	0.3	.	
Cardiac arrhythmia	1.3	1.4	1.1	1.2	1.7	2.8	1.2	.	1.2	0.9	1.5	1.2	1.1	
Cardiac arrest	5.4	5.3	5.6	5.6	4.9	1.4	4.9	.	3.0	3.0	3.0	3.3	1.1	
Valvular HD	0.1	.	0.2	<0.05	0.3	.	.	.	.	.	.	.	.	
Pulmonary edema	0.3	0.3	0.2	0.3	0.3	.	.	.	0.1	0.2	0.1	0.1	0.5	
AIDS	.	.	.	.	.	.	.	.	.	.	.	.	.	
Cachexia	0.1	0.1	0.2	0.1	0.2	.	.	.	<0.05	0.1	.	0.1	.	
Cerebrovascular dis.	2.8	2.4	3.3	2.8	2.0	4.3	6.1	.	1.5	1.0	2.2	1.5	1.6	
G.I. hemorrhage	0.2	0.2	0.2	0.2	.	.	.	.	0.1	0.1	0.2	0.2	.	
Other hemorrhage	0.2	0.2	0.2	0.1	0.2	.	2.4	.	0.2	0.1	0.3	0.2	0.5	
Septicemia	3.6	3.3	4.1	3.3	5.9	4.3	2.4	.	2.3	1.8	2.9	2.4	1.6	
Pulmonary infection	1.0	1.0	1.0	0.8	1.8	2.8	.	.	0.5	0.6	0.4	0.5	0.5	
Viral infection	0.3	0.4	0.2	0.4	0.2	.	.	.	0.1	0.1	0.1	0.1	.	
Other infection	0.3	0.2	0.4	0.2	0.7	.	1.2	.	0.1	.	0.2	.	0.5	
Malignant disease	1.6	2.2	0.9	1.6	2.2	.	1.2	.	0.4	0.6	0.2	0.3	1.6	
Other	29.0	30.2	27.3	27.9	36.5	25.6	28.1	.	17.2	17.6	16.6	17.3	16.9	
Unknown	4.3	4.6	3.8	4.2	4.2	8.5	6.1	.	2.7	2.9	2.5	2.7	2.6	
Years at risk	43,680	26,113	17,567	35,970	5,971	702	817	17	21,219	11,952	9,267	18,838	1,889	
Patients	45,479	27,196	18,283	37,451	6,218	730	855	20	21,907	12,332	9,575	19,456	1,945	

  

	45-64					65+				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	73.6	73.8	73.2	74.2	75.3	133.9	127.8	146.1	133.2	131.4
Acute MI.	7.1	6.9	7.5	7.5	5.1	6.4	4.5	10.3	6.9	3.5
Hyperkalemia	0.1	0.1	0.1	0.1	.	0.4	.	1.3	.	.
Pericarditis	<0.05	0.1	.	.	0.3	.	.	.	.	.
Atherosclerotic HD	1.4	1.5	1.3	1.4	1.1	3.0	1.3	6.4	2.5	3.5
Cardiomyopathy	0.6	0.5	0.9	0.7	0.6	1.7	1.9	1.3	2.5	.
Cardiac arrhythmia	1.2	1.5	0.7	1.2	1.1	3.0	3.9	1.3	1.3	7.0
Cardiac arrest	7.2	6.7	8.0	7.8	5.7	11.6	11.0	12.8	11.4	12.3
Valvular HD	0.1	.	0.4	0.1	0.6	.	.	.	.	.
Pulmonary edema	0.3	0.4	0.3	0.4	0.3	0.4	.	1.3	0.6	.
AIDS	.	.	.	.	.	.	.	.	.	.
Cachexia	0.2	0.2	0.4	0.3	0.3	.	.	.	.	.
Cerebrovascular dis	3.8	3.6	4.3	4.2	2.0	5.1	3.9	7.7	4.4	3.5
G.I. hemorrhage	0.2	0.2	0.3	0.3	.	.	.	.	.	.
Other hemorrhage	0.2	0.3	.	0.1	.	.	.	.	.	.
Septicemia	4.2	4.0	4.7	3.8	6.6	10.7	9.7	12.8	9.5	15.8
Pulmonary infection	1.2	1.1	1.5	1.2	2.0	3.0	2.6	3.8	1.3	5.3
Viral infection	0.4	0.5	0.4	0.5	0.3	1.3	1.9	.	1.9	.
Other infection	0.5	0.4	0.7	0.5	0.9	0.4	0.6	.	0.6	.
Malignant disease	2.7	3.3	1.7	2.8	2.9	3.9	5.8	.	5.7	.
Other	36.4	37.3	35.0	36.0	41.6	73.4	69.7	80.7	75.7	70.1
Unknown	5.3	5.3	5.2	5.5	4.0	9.4	11.0	6.4	8.8	10.5
Years at risk	20,114	12,600	7,514	15,535	3,506	2,330	1,550	780	1,584	571
Patients	21,051	13,192	7,859	16,280	3,658	2,501	1,659	842	1,701	609

".": Zero patients in this cell.

Table H.29

**Death Rates: by Primary Cause of Death**

*non-diabetic patients with functioning transplants, 1996-1998, rates per 1,000 patient years at risk*

	All							0-19		20-44			
	ALL	Male	Female	White	Black	N Am	Asian	ALL	ALL	Male	Female	White	Black
All	28.9	31.5	25.0	28.3	33.9	26.2	21.4	8.1	12.1	13.1	10.7	11.5	16.0
Acute MI	1.5	1.8	1.1	1.5	1.9	1.8	0.2	.	0.5	0.5	0.4	0.4	0.7
Hyperkalemia	0.1	0.1	0.1	0.1	0.1	.	.	0.2	<0.05	<0.05	.	<0.05	0.1
Pericarditis	<0.05	<0.05	<0.05	<0.05	<0.05	.	.	.	<0.05	<0.05	.	<0.05	.
Atherosclerotic HD	0.3	0.3	0.2	0.3	0.2	.	.	.	0.1	0.1	0.1	0.1	0.1
Cardiomyopathy	0.3	0.4	0.2	0.3	0.3	0.6	0.3	0.2	0.1	0.1	<0.05	0.1	0.1
Cardiac arrhythmia	0.5	0.5	0.5	0.5	0.6	1.2	0.3	0.1	0.3	0.4	0.1	0.3	0.4
Cardiac arrest	1.9	1.9	1.8	1.7	2.6	1.2	2.2	0.6	0.9	0.9	1.0	0.9	1.3
Valvular HD	<0.05	<0.05	0.1	<0.05	0.1	.	.	.	<0.05	<0.05	<0.05	<0.05	0.1
Pulmonary edema	0.1	0.1	0.2	0.1	0.2	.	0.2	0.1	0.1	0.1	<0.05	<0.05	0.3
AIDS	<0.05	<0.05	.	<0.05	.	.	.	.	<0.05	<0.05	.	<0.05	.
Cachexia	0.1	<0.05	0.1	<0.05	0.1	.	0.2	.	<0.05	<0.05	.	<0.05	.
Cerebrovascular dis.	0.9	0.9	0.9	0.9	1.0	0.6	0.6	0.6	0.3	0.2	0.3	0.3	0.2
G.I. hemorrhage	0.1	0.2	0.1	0.1	0.2	.	.	0.1	0.1	0.1	<0.05	0.1	0.2
Other hemorrhage	0.3	0.4	0.2	0.3	0.2	0.6	0.2	0.1	0.2	0.3	0.1	0.2	0.1
Septicemia	1.8	1.7	2.0	1.7	2.4	.	2.1	0.5	0.8	0.7	0.9	0.6	1.3
Pulmonary infection	0.7	0.7	0.8	0.8	0.7	1.8	0.5	0.4	0.4	0.4	0.5	0.4	0.5
Viral infection	0.3	0.3	0.3	0.4	0.3	.	0.2	0.1	0.2	0.1	0.4	0.3	0.1
Other infection	0.2	0.2	0.1	0.2	0.2	.	0.5	0.4	0.1	0.1	0.1	0.1	0.2
Malignant disease	2.1	2.3	1.7	2.3	1.6	1.8	1.1	0.4	0.8	1.0	0.5	0.9	0.5
Other	16.2	18.0	13.5	15.8	19.1	14.3	12.5	3.7	6.5	7.2	5.5	6.1	8.8
Unknown	1.5	1.7	1.1	1.4	2.0	2.4	0.3	0.6	0.6	0.6	0.6	0.5	1.1
Years at risk	151,162	90,575	60,587	113,771	28,050	1,678	6,223	8,434	68,288	40,450	27,839	50,799	12,953
Patients	154,847	92,878	61,969	116,657	28,670	1,709	6,326	8,731	69,341	41,067	28,274	51,627	13,122

  

	45-64					65+				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	37.9	41.0	33.2	35.9	48.1	89.5	98.5	75.7	89.6	88.1
Acute MI	2.2	2.7	1.5	2.1	3.0	5.0	5.9	3.8	5.3	3.7
Hyperkalemia	<0.05	.	0.1	<0.05	0.1	0.2	0.1	0.2	0.2	.
Pericarditis	<0.05	.	0.1	<0.05	.	0.1	0.1	.	.	0.6
Atherosclerotic HD	0.4	0.4	0.3	0.4	0.3	1.1	1.4	0.6	1.2	0.6
Cardiomyopathy	0.5	0.6	0.3	0.5	0.4	0.9	0.9	1.0	0.9	0.6
Cardiac arrhythmia	0.7	0.5	0.9	0.6	1.1	0.9	1.0	0.8	0.9	.
Cardiac arrest	2.4	2.4	2.5	2.1	3.6	4.9	6.1	3.0	4.6	6.2
Valvular HD	<0.05	0.1	<0.05	<0.05	0.1	0.2	.	0.4	0.1	0.6
Pulmonary edema	0.1	<0.05	0.1	0.1	0.1	0.6	0.4	1.0	0.5	1.2
AIDS	.	.	.	.	.	.	.	.	.	.
Cachexia	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.6
Cerebrovascular dis	1.2	1.2	1.2	1.1	1.6	2.7	2.6	2.8	2.6	3.7
G.I. hemorrhage	0.1	0.2	0.1	0.2	0.2	0.2	0.4	.	0.2	0.6
Other hemorrhage	0.3	0.4	0.3	0.4	0.3	0.6	0.8	0.4	0.6	1.2
Septicemia	2.5	2.3	2.9	2.4	2.9	4.7	4.3	5.2	4.3	7.4
Pulmonary infection	0.9	0.8	1.1	0.9	0.8	1.9	2.0	1.8	2.0	0.6
Viral infection	0.4	0.4	0.4	0.4	0.3	0.8	1.0	0.4	0.7	1.8
Other infection	0.2	0.3	<0.05	0.2	0.2	0.4	0.1	0.8	0.3	.
Malignant disease	2.7	3.0	2.2	2.9	2.1	7.0	6.9	7.2	7.2	7.4
Other	21.1	23.3	17.9	19.7	28.0	52.4	58.9	42.5	53.1	47.5
Unknown	1.9	2.4	1.2	1.8	2.8	4.7	5.3	3.6	4.8	3.7
Years at risk	61,761	37,261	24,500	45,781	12,171	12,679	7,672	5,007	10,599	1,622
Patients	63,472	38,343	25,129	47,070	12,509	13,303	8,084	5,219	11,127	1,696

..Zero patients in this cell.

Table H.30

**Death Rates: by Primary Cause of Death**

all ESRD patients, 1996-1998, rates per 1,000 patient years at risk

	All							0 - 19	20-44				
	ALL	Male	Female	White	Black	N Am	Asian	ALL	ALL	Male	Female	White	Black
All	176.6	170.6	183.8	192.1	157.0	154.4	135.8	17.3	54.2	55.2	52.9	49.7	66.3
Acute MI.	15.4	15.8	14.9	17.4	12.5	13.8	12.8	0.1	3.3	3.5	3.0	3.7	2.8
Hyperkalemia	2.8	2.6	3.1	3.5	1.6	2.2	2.6	0.5	1.2	1.3	1.1	1.3	1.1
Pericarditis	0.2	0.2	0.2	0.2	0.2	0.3	0.1	.	0.1	0.2	0.1	0.1	0.2
Atherosclerotic HD	6.3	6.1	6.5	7.8	4.1	4.2	4.9	.	0.7	0.7	0.8	0.9	0.5
Cardiomyopathy	6.9	7.6	6.1	8.6	4.5	4.8	5.6	0.6	1.1	1.2	1.0	1.0	1.4
Cardiac arrhythmia	9.6	9.6	9.6	10.9	7.8	8.2	8.4	0.4	2.5	2.6	2.3	2.5	2.8
Cardiac arrest	35.3	34.0	36.8	36.6	34.4	33.0	29.1	2.3	10.1	10.1	10.1	8.8	13.2
Valvular HD	1.1	1.0	1.3	1.3	1.0	0.4	0.7	0.1	0.3	0.3	0.4	0.3	0.4
Pulmonary edema	1.6	1.4	1.7	1.8	1.1	1.6	1.3	0.3	0.4	0.4	0.4	0.3	0.6
AIDS	0.9	1.3	0.4	0.2	2.3	0.5	0.1	0.3	2.4	3.2	1.3	0.4	6.2
Cachexia	1.8	1.6	2.1	2.2	1.2	1.0	1.2	.	0.3	0.3	0.3	0.4	0.2
Cerebrovascular dis.	9.9	8.1	12.1	9.9	10.1	9.5	10.3	1.0	3.1	2.7	3.6	2.9	3.6
G.I. hemorrhage	1.6	1.5	1.7	1.6	1.6	1.3	1.3	0.3	0.4	0.4	0.4	0.3	0.6
Other hemorrhage	1.5	1.4	1.7	1.5	1.6	1.6	1.6	0.3	0.7	0.7	0.7	0.6	0.9
Septicemia	19.1	16.5	22.1	19.0	20.0	17.1	13.9	1.3	5.9	5.3	6.9	5.4	7.5
Pulmonary infection	4.3	4.6	3.9	4.9	3.2	5.4	4.9	0.4	1.1	1.2	1.0	1.0	1.3
Viral infection	0.3	0.3	0.3	0.3	0.2	.	0.3	0.3	0.2	0.2	0.2	0.2	0.2
Other infection	0.9	0.8	1.1	1.0	0.9	0.7	0.8	0.4	0.4	0.4	0.4	0.4	0.5
Malignant disease	6.4	7.2	5.5	7.0	6.0	4.3	3.6	0.6	0.9	1.1	0.8	1.1	0.8
Other	38.4	37.2	39.9	44.3	29.8	30.8	26.4	7.1	14.4	14.6	14.0	14.3	15.2
Unknown	12.1	11.6	12.8	12.1	12.9	13.7	5.9	1.1	4.5	4.8	4.2	3.8	6.2
Years at risk	848,958	460,831	388,127	508,300	283,077	13,427	30,301	15,783	223,026	129,437	93,589	133,948	74,121
Patients	1,033,493	558,079	475,414	624,344	339,442	16,070	36,045	17,561	247,991	144,076	103,915	146,695	84,447

  

	45-64					65+				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	132.0	129.8	134.9	138.1	128.3	338.7	346.5	331.0	368.5	286.9
Acute MI.	12.9	13.3	12.4	14.1	11.6	29.1	32.0	26.3	32.3	22.9
Hyperkalemia	1.8	1.7	2.0	2.2	1.2	5.5	5.3	5.6	6.8	2.7
Pericarditis	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
Atherosclerotic HD	3.4	3.3	3.4	4.0	2.6	14.7	15.6	13.9	17.6	9.6
Cardiomyopathy	4.3	4.7	3.8	5.0	3.5	15.2	18.2	12.2	18.6	8.8
Cardiac arrhythmia	7.3	7.4	7.3	8.0	6.6	18.7	20.0	17.4	21.1	14.4
Cardiac arrest	26.2	25.5	27.2	26.1	27.5	68.4	70.4	66.4	70.9	64.8
Valvular HD	0.8	0.7	0.8	0.7	0.9	2.3	2.2	2.4	2.7	1.8
Pulmonary edema	1.0	0.9	1.1	1.0	0.9	3.3	3.2	3.4	4.0	2.0
AIDS	0.6	0.9	0.2	0.1	1.5	0.1	0.1	<0.05	<0.05	0.2
Cachexia	0.9	0.8	1.1	1.1	0.7	4.3	4.0	4.6	5.0	3.1
Cerebrovascular dis	7.6	6.4	9.1	7.1	8.6	18.8	16.0	21.5	18.6	18.7
G.I. hemorrhage	1.1	1.1	1.1	1.0	1.2	3.2	3.2	3.2	3.2	3.2
Other hemorrhage	1.1	1.1	1.1	1.0	1.4	2.8	2.6	2.9	2.8	2.6
Septicemia	15.9	14.0	18.3	15.8	16.8	34.6	31.7	37.4	34.0	36.7
Pulmonary infection	2.4	2.6	2.1	2.6	2.0	9.4	11.0	7.9	10.4	6.7
Viral infection	0.3	0.3	0.2	0.3	0.2	0.4	0.4	0.4	0.5	0.3
Other infection	0.8	0.7	1.0	0.9	0.7	1.5	1.3	1.7	1.5	1.4
Malignant disease	4.8	5.0	4.5	5.0	4.8	13.2	16.4	10.1	14.1	12.6
Other	29.4	29.6	29.2	32.9	25.3	70.7	71.1	70.2	81.5	50.6
Unknown	9.2	9.6	8.8	8.9	10.1	22.4	21.4	23.3	22.6	23.4
Years at risk	334,299	185,849	148,449	187,164	122,694	275,851	136,225	139,625	176,228	82,722
Patients	396,430	219,114	177,316	222,504	144,729	371,511	184,597	186,914	243,147	106,199

".": Zero patients in this cell.

Table H.31

**Death Rates: by Primary Cause of Death**

*diabetic ESRD patients, 1996-1998, rates per 1,000 patient years at risk*

	All							0-19		20-44				
	ALL	Male	Female	White	Black	N Am	Asian	ALL	ALL	Male	Female	White	Black	
All	237.3	230.3	243.9	258.2	206.6	198.7	232.8	.	99.5	99.4	99.8	96.7	111.8	
Acute MI.	24.2	25.4	23.1	27.3	19.2	19.4	25.6	.	9.1	9.7	8.4	9.9	6.9	
Hyperkalemia	4.0	3.9	4.1	4.9	2.4	3.3	5.4	.	2.8	2.7	2.8	2.6	3.0	
Pericarditis	0.3	0.3	0.3	0.3	0.3	0.3	0.3	.	0.3	0.2	0.4	0.2	0.6	
Atherosclerotic HD	9.5	9.1	9.8	11.5	6.2	5.9	9.7	.	2.2	2.1	2.4	2.5	1.7	
Cardiomyopathy	8.9	9.8	8.1	11.1	5.5	5.9	9.4	.	1.8	1.6	2.0	1.6	2.2	
Cardiac arrhythmia	13.8	14.0	13.7	16.0	10.5	10.5	15.5	.	5.4	5.7	5.0	5.6	4.7	
Cardiac arrest	51.6	50.4	52.8	54.5	47.6	45.8	56.4	.	21.3	20.8	21.8	19.8	27.0	
Valvular HD	1.0	0.9	1.1	1.1	0.9	0.3	1.4	.	0.2	0.2	0.1	0.1	0.3	
Pulmonary edema	2.2	2.0	2.3	2.5	1.6	2.3	2.3	.	0.7	0.6	0.8	0.7	0.7	
AIDS	0.2	0.2	0.1	0.1	0.4	.	.	.	0.5	0.6	0.3	0.2	1.3	
Cachexia	2.0	1.9	2.2	2.5	1.3	1.3	2.2	.	0.9	1.0	0.7	1.0	0.5	
Cerebrovascular dis.	15.0	12.6	17.2	14.7	15.4	13.4	17.4	.	6.5	6.0	7.0	6.3	6.9	
G.I. hemorrhage	1.8	1.6	1.9	1.6	2.0	1.3	2.0	.	0.6	0.6	0.6	0.4	1.0	
Other hemorrhage	1.2	1.0	1.4	1.1	1.3	1.7	1.5	.	0.7	0.8	0.7	0.7	0.7	
Septicemia	28.8	25.7	31.7	29.0	29.3	23.8	24.5	.	10.9	10.4	11.7	10.0	14.6	
Pulmonary infection	5.0	5.6	4.5	5.3	4.1	7.6	7.5	.	1.9	1.9	1.9	1.7	2.1	
Viral infection	0.3	0.3	0.3	0.2	0.3	.	0.5	.	0.2	0.2	0.2	0.1	0.3	
Other infection	1.2	1.0	1.4	1.3	1.2	1.0	1.4	.	0.7	0.7	0.6	0.6	0.9	
Malignant disease	4.9	5.3	4.5	4.7	5.5	3.2	4.6	.	0.6	0.6	0.5	0.5	0.9	
Other	44.7	42.8	46.4	51.6	34.5	33.3	35.6	.	23.7	23.6	23.9	24.0	23.4	
Unknown	16.7	16.5	17.0	17.0	17.1	18.4	9.7	.	8.8	9.3	8.1	7.9	12.1	
Years at risk	257,753	125,055	132,698	153,529	83,684	6,961	8,660	95	45,063	25,200	19,864	33,644	9,334	
Patients	332,744	160,532	172,212	200,612	105,626	8,650	11,238	115	52,211	29,186	23,025	38,498	11,178	

  

	45-64					65+				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	186.7	185.3	188.1	209.9	161.1	361.7	376.5	350.9	411.0	289.9
Acute MI.	21.0	22.0	20.0	24.4	16.8	35.1	40.1	31.5	41.0	25.7
Hyperkalemia	3.0	2.9	3.0	3.8	1.7	5.8	6.2	5.6	7.5	3.0
Pericarditis	0.3	0.4	0.2	0.3	0.4	0.3	0.2	0.3	0.3	0.2
Atherosclerotic HD	5.9	5.9	5.8	7.5	3.9	17.1	17.9	16.5	21.6	10.4
Cardiomyopathy	6.1	6.9	5.1	7.8	3.8	15.7	19.0	13.3	20.7	8.4
Cardiac arrhythmia	10.9	10.7	11.2	13.0	8.1	21.2	23.9	19.2	25.6	15.0
Cardiac arrest	40.8	40.2	41.5	44.9	36.8	78.7	83.5	75.2	86.6	66.9
Valvular HD	0.8	0.7	0.9	0.8	0.7	1.7	1.6	1.7	2.0	1.4
Pulmonary edema	1.6	1.5	1.6	1.8	1.4	3.5	3.6	3.4	4.4	2.2
AIDS	0.2	0.2	0.1	<0.05	0.4	0.1	<0.05	0.1	<0.05	0.1
Cachexia	1.4	1.4	1.3	1.9	0.8	3.4	3.2	3.6	4.1	2.2
Cerebrovascular dis	12.2	10.5	13.9	12.2	12.6	22.2	19.7	24.1	22.5	21.3
G.I. hemorrhage	1.2	1.1	1.3	1.1	1.5	2.9	3.0	2.9	2.9	3.0
Other hemorrhage	0.9	0.9	0.9	0.7	1.1	1.8	1.3	2.1	1.8	1.7
Septicemia	23.8	21.8	26.0	25.3	22.9	43.0	40.8	44.5	44.6	41.3
Pulmonary infection	3.2	3.9	2.4	3.5	2.7	8.7	10.4	7.5	9.5	6.3
Viral infection	0.2	0.3	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4
Other infection	1.2	0.9	1.4	1.3	1.1	1.6	1.4	1.8	1.8	1.4
Malignant disease	3.4	3.5	3.3	3.1	4.1	8.6	10.7	7.1	9.1	8.5
Other	35.4	35.2	35.7	42.5	27.1	65.4	65.7	65.2	78.8	46.9
Unknown	13.3	14.3	12.2	13.9	12.9	24.6	24.0	25.0	26.0	23.7
Years at risk	115,536	59,020	56,516	63,995	41,155	97,060	40,788	56,272	55,839	33,158
Patients	145,844	73,981	71,863	81,788	51,010	134,574	57,310	77,264	80,268	43,390

..Zero patients in this cell.

Table H.32

**Death Rates: by Primary Cause of Death**

non-diabetic ESRD patients, 1996-1998, rates per 1,000 patient years at risk

	All							0 - 19	20-44				
	ALL	Male	Female	White	Black	N Am	Asian	ALL	ALL	Male	Female	White	Black
All	157.7	156.7	159.1	173.2	140.4	113.8	100.4	17.8	42.8	44.5	40.4	33.0	61.3
Acute MI.	12.1	12.9	11.0	13.8	9.7	8.4	8.1	0.1	1.7	1.8	1.5	1.5	2.2
Hyperkalemia	2.4	2.3	2.7	3.1	1.4	1.1	1.5	0.6	0.8	0.9	0.7	0.8	0.8
Pericarditis	0.2	0.2	0.2	0.2	0.2	0.4	0.1	.	0.1	0.1	<0.05	0.1	0.1
Atherosclerotic HD	5.3	5.5	5.0	6.7	3.2	2.8	3.0	.	0.3	0.3	0.3	0.3	0.3
Cardiomyopathy	6.5	7.4	5.3	8.1	4.1	4.3	4.5	0.6	1.0	1.1	0.7	0.8	1.3
Cardiac arrhythmia	8.2	8.5	7.9	9.2	7.0	5.8	5.8	0.4	1.8	1.9	1.6	1.4	2.6
Cardiac arrest	29.5	29.4	29.6	30.5	29.6	19.4	19.2	2.2	7.3	7.5	6.9	5.0	11.4
Valvular HD	1.3	1.1	1.5	1.4	1.1	0.6	0.4	0.1	0.4	0.3	0.6	0.4	0.5
Pulmonary edema	1.4	1.3	1.6	1.7	1.0	0.9	0.8	0.4	0.3	0.4	0.3	0.2	0.5
AIDS	1.3	1.7	0.6	0.2	3.4	0.9	0.1	0.1	3.1	4.1	1.6	0.5	7.5
Cachexia	1.9	1.6	2.3	2.3	1.3	0.7	0.8	.	0.2	0.2	0.2	0.2	0.1
Cerebrovascular dis.	8.1	6.8	9.8	8.2	8.2	5.8	7.7	1.1	2.2	1.9	2.7	1.7	3.2
G.I. hemorrhage	1.6	1.6	1.6	1.7	1.5	1.5	0.9	0.3	0.4	0.4	0.4	0.3	0.6
Other hemorrhage	1.8	1.7	1.9	1.8	1.8	1.7	1.8	0.3	0.7	0.7	0.7	0.5	1.0
Septicemia	15.4	13.8	17.6	15.5	16.3	10.5	10.2	1.4	4.7	4.1	5.6	3.8	6.5
Pulmonary infection	4.3	4.6	3.9	5.1	3.1	3.5	4.1	0.5	0.9	1.0	0.8	0.7	1.3
Viral infection	0.3	0.3	0.3	0.4	0.2	.	0.2	0.3	0.2	0.2	0.3	0.3	0.2
Other infection	0.8	0.7	0.9	0.9	0.7	0.4	0.6	0.4	0.4	0.4	0.4	0.3	0.5
Malignant disease	7.7	8.5	6.5	8.7	6.5	6.0	3.4	0.6	1.1	1.2	0.9	1.3	0.9
Other	37.1	36.6	37.7	43.0	28.5	29.7	22.3	7.1	11.9	12.4	11.1	10.6	14.6
Unknown	10.6	10.3	11.0	10.6	11.5	9.5	4.8	1.2	3.4	3.7	3.0	2.4	5.3
Years at risk	504,770	288,305	216,465	307,019	167,285	5,358	18,970	13,909	150,005	87,989	62,016	84,545	54,792
Patients	599,471	341,847	257,624	368,344	195,803	6,106	21,688	15,458	163,307	95,846	67,461	90,381	61,206

  

	45-64					65+				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	105.3	107.1	102.9	103.3	114.3	329.7	335.1	323.2	352.7	285.9
Acute MI.	8.7	9.6	7.5	8.9	9.0	26.0	28.5	23.0	28.5	20.7
Hyperkalemia	1.2	1.1	1.4	1.4	1.1	5.4	5.0	5.8	6.6	2.6
Pericarditis	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.4
Atherosclerotic HD	2.1	2.2	1.9	2.3	1.9	13.7	14.8	12.4	15.9	9.1
Cardiomyopathy	3.5	3.9	3.0	3.7	3.4	15.3	18.2	11.8	17.9	9.1
Cardiac arrhythmia	5.6	6.0	5.1	5.4	6.2	17.5	18.4	16.5	19.1	14.1
Cardiac arrest	18.7	19.1	18.1	16.5	23.1	63.5	64.9	61.8	64.4	64.0
Valvular HD	0.8	0.8	0.8	0.7	1.0	2.6	2.4	3.0	3.0	2.0
Pulmonary edema	0.7	0.6	0.9	0.7	0.8	3.2	3.1	3.4	3.8	1.8
AIDS	0.9	1.3	0.4	0.1	2.2	0.1	0.1	<0.05	<0.05	0.3
Cachexia	0.7	0.5	0.9	0.8	0.7	4.9	4.4	5.5	5.5	3.7
Cerebrovascular dis	5.3	4.6	6.2	4.3	6.9	17.0	14.6	19.9	17.0	17.0
G.I. hemorrhage	1.1	1.2	0.9	1.1	1.1	3.4	3.3	3.4	3.5	3.3
Other hemorrhage	1.3	1.3	1.3	1.2	1.5	3.5	3.3	3.7	3.5	3.4
Septicemia	11.9	10.8	13.5	11.1	13.8	30.0	27.7	32.7	29.3	33.2
Pulmonary infection	2.1	2.1	2.1	2.4	1.8	10.1	11.4	8.5	11.1	7.3
Viral infection	0.3	0.4	0.3	0.5	0.2	0.4	0.4	0.4	0.5	0.2
Other infection	0.7	0.6	0.8	0.8	0.5	1.4	1.2	1.6	1.4	1.4
Malignant disease	5.8	6.1	5.5	6.5	5.2	16.3	19.2	12.7	16.9	15.9
Other	26.5	27.2	25.5	28.5	24.8	73.7	73.4	74.2	83.2	52.9
Unknown	7.2	7.7	6.6	6.4	9.0	21.5	20.5	22.6	21.3	23.5
Years at risk	175,769	102,024	73,745	99,516	65,477	165,087	90,088	74,998	113,236	43,965
Patients	200,222	116,110	84,112	113,142	74,875	220,484	120,839	99,645	154,185	56,214

".": Zero patients in this cell.

Table H.33

**Death Rates: by Specific Cause of Death***all ESRD patients, 1996-1998, rates per 1,000 patient years at risk*

	All	0-19	20-44	45-64	65+
All Cause	176.6	17.3	54.2	132.0	338.7
Myocardial Infarction, Acute	15.4	0.1	3.3	12.9	29.1
Hyperkalemia	2.8	0.5	1.2	1.8	5.5
Pericarditis, Incl. Cardiac Tamponade	0.2	.	0.1	0.2	0.3
Atherosclerotic Heart Disease	6.3	.	0.7	3.4	14.7
Cardiomyopathy	6.9	0.6	1.1	4.3	15.2
Cardiac Arrhythmia	9.6	0.4	2.5	7.3	18.7
Cardiac Arrest, Cause Unknown	35.3	2.3	10.1	26.2	68.4
Valvular Heart Disease	1.1	0.1	0.3	0.8	2.3
Pulmonary Edema Due To Exogenous Fluid	1.6	0.3	0.4	1.0	3.3
Pulmonary Embolus	0.7	0.1	0.3	0.6	1.0
Cerebro-Vascular Accident Including Intracranial Hemorrhage	8.3	0.8	2.5	6.3	15.9
Ischemic Brain Damage/Anoxic Encephalopathy	1.6	0.3	0.6	1.3	2.9
Hemorrhage From Transplant Site	<0.05	0.1	<0.05	<0.05	<0.05
Hemorrhage From Vascular Access	0.3	.	0.1	0.2	0.6
Hemorrhage From Dialysis Circuit	<0.05	.	<0.05	<0.05	<0.05
Hemorrhage From Ruptured Vascular Aneurysm	0.5	0.1	0.2	0.3	0.9
Hemorrhage From Surgery (Not 38,39 Or 40)	0.2	.	0.1	0.1	0.2
Other Hemorrhage (Not Codes 38-42,72)	0.6	0.2	0.3	0.4	1.0
Mesenteric Infarction/Ischemic Bowel	1.6	0.1	0.3	1.1	3.4
Septicemia, Due To Vascular Access	2.2	0.1	0.7	1.7	4.1
Septicemia, Due To Peritonitis	2.0	0.3	0.8	1.8	3.2
Septicemia, Due To Peripheral Vascular Disease, Gangrene	4.7	.	1.0	4.0	8.7
Septicemia, Other	10.3	0.8	3.5	8.4	18.5
Pulmonary Infection (Bacterial)	3.4	0.1	0.7	1.8	7.6
Pulmonary Infection (Fungal)	0.1	0.1	0.1	0.1	0.2
Pulmonary Infection (Other)	0.8	0.2	0.3	0.5	1.5
Viral Infection, CMV	<0.05	0.1	<0.05	<0.05	<0.05
Viral Infection, Other (Not 64 Or 65)	0.1	0.2	0.1	0.1	0.2
Tuberculosis	<0.05	.	<0.05	<0.05	0.1
AIDS	0.9	0.3	2.4	0.6	0.1
Infection, Other	0.8	0.3	0.4	0.8	1.4
Hepatitis B	<0.05	.	<0.05	0.1	0.1
Other Viral Hepatitis	0.1	.	0.1	0.1	0.1
Liver-Drug Toxicity	<0.05	.	<0.05	<0.05	0.1
Cirrhosis	0.4	.	0.2	0.5	0.5
Polycystic Liver Disease	<0.05	0.1	<0.05	<0.05	0.1
Liver Failure, Cause Unknown or Other	0.5	0.2	0.3	0.6	0.7
Gastro-Intestinal Hemorrhage	1.6	0.3	0.4	1.1	3.2
Pancreatitis	0.2	0.1	0.2	0.2	0.3
Fungal Peritonitis	0.1	0.1	<0.05	0.1	0.1
Perforation Of Peptic Ulcer	0.1	.	<0.05	0.1	0.3
Perforation Of Bowel (Not 75)	0.6	0.1	0.1	0.4	1.2
Bone Marrow Depression	0.1	.	<0.05	<0.05	0.1
Cachexia	1.8	.	0.3	0.9	4.3
Malignant Disease, Patient Ever On Immunosuppressive Therapy	2.2	0.4	0.5	2.0	3.9
Malignant Disease (Not 82)	4.2	0.2	0.4	2.8	9.3
Dementia, Incl. Dialysis Dementia and Alzheimers	0.9	.	<0.05	0.2	2.4
Seizures	0.3	0.2	0.2	0.2	0.3
Diabetic Coma, Hyperglycemia and Hypoglycemia	0.4	.	0.5	0.4	0.3
Chronic Obstructive Lung Disease (COPD)	0.8	.	<0.05	0.4	2.0
Complications Of Surgery	0.6	0.1	0.1	0.5	1.2
Air Embolism	<0.05	0.1	<0.05	<0.05	<0.05
Accident Related To Treatment	<0.05	.	<0.05	<0.05	<0.05
Accident Unrelated To Treatment	0.5	0.3	0.4	0.4	0.8
Suicide	0.2	.	0.2	0.2	0.3
Drug Overdose (Street Drugs)	0.1	0.1	0.2	0.1	<0.05
Drug Overdose (Not 92 Or 93)	<0.05	.	<0.05	<0.05	<0.05
Other Identified Cause Of Death - Please Specify	30.3	5.8	11.0	23.4	55.5
Unknown	12.1	1.1	4.5	9.2	22.4
Years at risk	848,958	15,783	223,026	334,299	275,851
Total Patients	1,033,493	17,561	247,991	396,430	371,511

".":Zero patients in this cell.

Table H.34

**Death Rates: by Specific Cause of Death***all dialysis patients, 1996-1998, rates per 1,000 patient years at risk*

	All	0-19	20-44	45-64	65+
All Cause	231.1	34.8	87.9	168.7	355.6
Myocardial Infarction, Acute	20.5	0.4	5.3	17	30.7
Hyperkalemia	3.9	1.1	2.3	2.6	5.8
Pericarditis, Incl. Cardiac Tamponade	0.3	.	0.2	0.3	0.3
Atherosclerotic Heart Disease	8.6	.	1.2	4.6	15.7
Cardiomyopathy	9.5	1.3	2	6	16.2
Cardiac Arrhythmia	13.1	0.9	4.4	10.1	19.9
Cardiac Arrest, Cause Unknown	47.9	5.6	18.3	36.1	72.8
Valvular Heart Disease	1.5	0.2	0.6	1.1	2.4
Pulmonary Edema Due To Exogenous Fluid	2.1	0.7	0.7	1.3	3.5
Pulmonary Embolus	0.8	0.2	0.4	0.7	1
Cerebro-Vascular Accident Including Intracranial Hemorrhage	11.1	1.7	4.3	8.4	16.8
Ischemic Brain Damage/Anoxic Encephalopathy	2.2	0.4	1	1.8	3.1
Hemorrhage From Transplant Site	<0.05	.	.	<0.05	<0.05
Hemorrhage From Vascular Access	0.4	.	0.2	0.3	0.6
Hemorrhage From Dialysis Circuit	<0.05	.	<0.05	<0.05	<0.05
Hemorrhage From Ruptured Vascular Aneurysm	0.6	0.2	0.2	0.3	1
Hemorrhage From Surgery (Not 38,39 Or 40)	0.2	.	0.2	0.2	0.3
Other Hemorrhage (Not Codes 38-42,72)	0.8	0.6	0.5	0.6	1
Mesenteric Infarction/Ischemic Bowel	2.3	0.2	0.6	1.6	3.6
Septicemia, Due To Vascular Access	3	0.4	1.3	2.4	4.4
Septicemia, Due To Peritonitis	2.7	0.7	1.4	2.5	3.4
Septicemia, Due To Peripheral Vascular Disease, Gangrene	6.4	.	1.8	5.6	9.3
Septicemia, Other	13.5	1.9	5.9	10.9	19.5
Pulmonary Infection (Bacterial)	4.5	0.2	1.1	2.3	8.1
Pulmonary Infection (Fungal)	0.1	0.2	0.1	0.1	0.2
Pulmonary Infection (Other)	1	0.4	0.4	0.5	1.6
Viral Infection, CMV	<0.05	.	<0.05	.	<0.05
Viral Infection, Other (Not 64 Or 65)	0.2	0.4	0.1	0.1	0.2
Tuberculosis	0.1	.	<0.05	<0.05	0.1
AIDS	1.2	0.7	4.6	0.9	0.1
Infection, Other	1.1	0.2	0.6	1	1.4
Hepatitis B	<0.05	.	<0.05	<0.05	0.1
Other Viral Hepatitis	0.1	.	0.1	0.1	0.1
Liver-Drug Toxicity	<0.05	.	<0.05	<0.05	0.1
Cirrhosis	0.5	.	0.3	0.7	0.5
Polycystic Liver Disease	<0.05	0.2	<0.05	<0.05	0.1
Liver Failure, Cause Unknown or Other	0.7	0.2	0.4	0.8	0.7
Gastro-Intestinal Hemorrhage	2.1	0.6	0.7	1.4	3.4
Pancreatitis	0.3	0.4	0.3	0.3	0.3
Fungal Peritonitis	0.1	0.4	0.1	0.1	0.1
Perforation Of Peptic Ulcer	0.2	.	0.1	0.1	0.3
Perforation Of Bowel (Not 75)	0.8	0.2	0.3	0.5	1.3
Bone Marrow Depression	0.1	.	<0.05	<0.05	0.1
Cachexia	2.5	.	0.5	1.3	4.6
Malignant Disease, Patient Ever On Immunosuppressive Therapy	2.4	0.6	0.5	1.9	3.7
Malignant Disease (Not 82)	5.8	0.6	0.7	3.8	10
Dementia, Incl. Dialysis Dementia and Alzheimers	1.2	.	0.1	0.3	2.6
Seizures	0.3	0.6	0.5	0.3	0.3
Diabetic Coma, Hyperglycemia and Hypoglycemia	0.5	.	0.9	0.5	0.3
Chronic Obstructive Lung Disease (COPD)	1.1	.	0.1	0.6	2.1
Complications Of Surgery	0.8	0.4	0.2	0.6	1.2
Air Embolism	<0.05	0.2	.	<0.05	<0.05
Accident Related To Treatment	<0.05	.	.	<0.05	<0.05
Accident Unrelated To Treatment	0.7	0.2	0.6	0.5	0.9
Suicide	0.3	.	0.3	0.2	0.3
Drug Overdose (Street Drugs)	0.1	0.2	0.4	0.1	<0.05
Drug Overdose (Not 92 Or 93)	<0.05	.	0.1	<0.05	<0.05
Other Identified Cause Of Death - Please Specify	34.9	9.9	13.2	23.3	55.7
Unknown	16	2	7.7	12	23.6
Years at risk	611,036	5,370	115,045	232,927	257,693
Total Patients	802,913	7,427	144,307	297,912	353,267

".": Zero patients in this cell.

Table H.35

**Death Rates: by Specific Cause of Death***all hemodialysis patients, 1996-1998, rates per 1,000 patient years at risk*

	All	0-19	20-44	45-64	65+
All Cause	227.2	32	85.9	160.7	339.4
Myocardial Infarction, Acute	20.1	.	4.9	16.2	29.4
Hyperkalemia	4.1	1.8	2.4	2.7	5.9
Pericarditis, Incl. Cardiac Tamponade	0.3	.	0.3	0.3	0.3
Atherosclerotic Heart Disease	8.3	.	1	4.2	14.6
Cardiomyopathy	8.9	2.1	1.8	5.5	14.5
Cardiac Arrhythmia	13.1	1.4	4.5	9.7	19.3
Cardiac Arrest, Cause Unknown	48	3.9	18.2	35.2	70.7
Valvular Heart Disease	1.6	.	0.7	1.1	2.4
Pulmonary Edema Due To Exogenous Fluid	2.1	0.4	0.7	1.4	3.3
Pulmonary Embolus	0.8	.	0.4	0.7	1
Cerebro-Vascular Accident Including Intracranial Hemorrhage	11	1.8	4.3	8	16.1
Ischemic Brain Damage/Anoxic Encephalopathy	2.1	0.4	1	1.7	3
Hemorrhage From Transplant Site	<0.05	.	.	<0.05	<0.05
Hemorrhage From Vascular Access	0.5	.	0.3	0.4	0.6
Hemorrhage From Dialysis Circuit	<0.05	.	<0.05	<0.05	<0.05
Hemorrhage From Ruptured Vascular Aneurysm	0.6	0.4	0.3	0.3	1.1
Hemorrhage From Surgery (Not 38,39 Or 40)	0.2	.	0.1	0.1	0.3
Other Hemorrhage (Not Codes 38-42,72)	0.8	.	0.5	0.6	1
Mesenteric Infarction/Ischemic Bowel	2.2	.	0.6	1.5	3.4
Septicemia, Due To Vascular Access	3.3	0.4	1.5	2.6	4.6
Septicemia, Due To Peritonitis	1.2	0.4	0.6	1	1.5
Septicemia, Due To Peripheral Vascular Disease, Gangrene	5.9	.	1.4	4.9	8.7
Septicemia, Other	13.3	1.8	5.7	10.5	18.7
Pulmonary Infection (Bacterial)	4.5	0.4	0.9	2.2	7.8
Pulmonary Infection (Fungal)	0.1	0.4	0.1	0.1	0.1
Pulmonary Infection (Other)	0.9	0.4	0.4	0.5	1.5
Viral Infection, CMV	<0.05	.	<0.05	.	<0.05
Viral Infection, Other (Not 64 Or 65)	0.1	.	0.1	0.1	0.2
Tuberculosis	0.1	.	<0.05	<0.05	0.1
AIDS	1.2	1.1	4.8	0.9	0.1
Infection, Other	1	0.4	0.6	0.9	1.2
Hepatitis B	<0.05	.	<0.05	<0.05	<0.05
Other Viral Hepatitis	0.1	.	0.1	0.1	0.1
Liver-Drug Toxicity	<0.05	.	<0.05	0.1	0.1
Cirrhosis	0.5	.	0.4	0.7	0.5
Polycystic Liver Disease	<0.05	.	<0.05	<0.05	0.1
Liver Failure, Cause Unknown or Other	0.7	.	0.4	0.8	0.7
Gastro-Intestinal Hemorrhage	2.1	0.7	0.7	1.4	3.3
Pancreatitis	0.2	.	0.2	0.3	0.3
Fungal Peritonitis	<0.05	0.4	.	<0.05	<0.05
Perforation Of Peptic Ulcer	0.2	.	0.1	0.1	0.2
Perforation Of Bowel (Not 75)	0.6	.	0.2	0.4	1
Bone Marrow Depression	0.1	.	<0.05	<0.05	0.1
Cachexia	2.4	.	0.5	1.1	4.2
Malignant Disease, Patient Ever On Immunosuppressive Therapy	2.5	1.1	0.4	1.9	3.8
Malignant Disease (Not 82)	6	0.7	0.6	3.9	9.9
Dementia, Incl. Dialysis Dementia and Alzheimers	1.2	.	0.1	0.3	2.5
Seizures	0.3	1.1	0.5	0.3	0.3
Diabetic Coma, Hyperglycemia and Hypoglycemia	0.5	.	1	0.4	0.3
Chronic Obstructive Lung Disease (COPD)	1.1	.	0.1	0.6	2.1
Complications Of Surgery	0.8	0.7	0.3	0.5	1.2
Air Embolism	<0.05	0.4	.	<0.05	<0.05
Accident Related To Treatment	<0.05	.	.	<0.05	<0.05
Accident Unrelated To Treatment	0.7	0.4	0.6	0.6	0.9
Suicide	0.3	.	0.3	0.2	0.3
Drug Overdose (Street Drugs)	0.1	0.4	0.5	0.1	<0.05
Drug Overdose (Not 92 Or 93)	<0.05	.	0.1	<0.05	<0.05
Other Identified Cause Of Death - Please Specify	34.2	7.5	13	21.9	52.9
Unknown	16.1	1.8	7.7	12	22.9
Years at risk	504,209	2,815	87,758	187,445	226,191
Total Patients	656,204	3,875	108,609	236,994	306,726

".": Zero patients in this cell.



Table H.36

**Death Rates: by Specific Cause of Death***all CAPD/CCPD patients, 1996-1998, rates per 1,000 patient years at risk*

	All	0-19	20-44	45-64	65+
All Cause	230.5	36.3	88.6	203	414.5
Myocardial Infarction, Acute	22.3	0.5	6.6	22.3	38.5
Hyperkalemia	2.5	0.5	1.6	2.2	4.1
Pericarditis, Incl. Cardiac Tamponade	0.2	.	0.1	0.2	0.3
Atherosclerotic Heart Disease	9.9	.	2	6.4	22.9
Cardiomyopathy	12.6	0.5	2.9	9.1	27.3
Cardiac Arrhythmia	12.8	0.5	3.6	12.7	22.2
Cardiac Arrest, Cause Unknown	44.5	7.1	18.6	40.8	76.4
Valvular Heart Disease	1.2	0.5	0.4	0.9	2.3
Pulmonary Edema Due To Exogenous Fluid	1.7	0.9	0.4	1.1	3.7
Pulmonary Embolus	1	0.5	0.5	0.9	1.6
Cerebro-Vascular Accident Including Intracranial Hemorrhage	11.3	1.4	4.7	9.7	20.3
Ischemic Brain Damage/Anoxic Encephalopathy	2.3	0.5	0.9	2.5	3.4
Hemorrhage From Transplant Site	<0.05	.	.	0.1	.
Hemorrhage From Vascular Access	0.1	.	<0.05	0.1	0.2
Hemorrhage From Dialysis Circuit	.	.	.	.	.
Hemorrhage From Ruptured Vascular Aneurysm	0.3	.	0.1	0.3	0.4
Hemorrhage From Surgery (Not 38,39 Or 40)	0.3	.	0.2	0.4	0.3
Other Hemorrhage (Not Codes 38-42,72)	0.7	0.9	0.5	0.5	1.1
Mesenteric Infarction/Ischemic Bowel	2.8	0.5	0.8	2.5	5.4
Septicemia, Due To Vascular Access	1	0.5	0.4	0.9	1.7
Septicemia, Due To Peritonitis	12.8	0.9	5.1	12.2	21.5
Septicemia, Due To Peripheral Vascular Disease, Gangrene	8.1	.	3	8.8	12.4
Septicemia, Other	12.5	2.4	5.4	13	19
Pulmonary Infection (Bacterial)	3.8	.	1	2.4	8.5
Pulmonary Infection (Fungal)	0.2	.	0.2	0.2	0.3
Pulmonary Infection (Other)	0.9	0.5	0.4	0.5	1.9
Viral Infection, CMV	.	.	.	.	.
Viral Infection, Other (Not 64 Or 65)	0.2	0.9	<0.05	0.2	0.4
Tuberculosis	0.1	.	0.1	0.1	0.2
AIDS	1.2	0.5	3.1	0.7	0.1
Infection, Other	1.4	.	0.6	1.1	2.6
Hepatitis B	<0.05	.	.	<0.05	<0.05
Other Viral Hepatitis	<0.05	.	.	<0.05	<0.05
Liver-Drug Toxicity	<0.05	.	0.1	<0.05	.
Cirrhosis	0.3	.	.	0.4	0.5
Polycystic Liver Disease	<0.05	0.5	.	.	<0.05
Liver Failure, Cause Unknown or Other	0.6	0.5	0.2	0.6	0.8
Gastro-Intestinal Hemorrhage	1.9	0.5	0.6	1.5	3.7
Pancreatitis	0.7	0.9	0.6	0.6	0.8
Fungal Peritonitis	0.7	0.5	0.2	0.6	1.2
Perforation Of Peptic Ulcer	0.2	.	<0.05	0.2	0.4
Perforation Of Bowel (Not 75)	1.7	0.5	0.5	1	3.8
Bone Marrow Depression	0.1	.	<0.05	<0.05	0.3
Cachexia	3.3	.	0.7	2	7.6
Malignant Disease, Patient Ever On Immunosuppressive Therapy	1.5	.	0.4	1.2	2.8
Malignant Disease (Not 82)	3.8	0.5	0.5	2.9	8.2
Dementia, Incl. Dialysis Dementia and Alzheimers	1	.	<0.05	0.3	3
Seizures	0.3	.	0.3	0.3	0.3
Diabetic Coma, Hyperglycemia and Hypoglycemia	0.7	.	0.7	0.8	0.6
Chronic Obstructive Lung Disease (COPD)	0.7	.	0.1	0.6	1.6
Complications Of Surgery	0.8	.	0.2	1	0.9
Air Embolism	<0.05	.	.	<0.05	.
Accident Related To Treatment	<0.05	.	.	.	0.1
Accident Unrelated To Treatment	0.5	.	0.4	0.3	0.9
Suicide	0.3	.	0.2	0.3	0.5
Drug Overdose (Street Drugs)	<0.05	.	<0.05	.	.
Drug Overdose (Not 92 Or 93)	<0.05	.	.	0.1	.
Other Identified Cause Of Death - Please Specify	28.9	12.3	10.9	23.4	54.5
Unknown	13.7	0.5	7.4	12.1	22.8
Years at risk	75,054	2,119	20,001	30,702	22,232
Total Patients	98,740	2,951	25,101	39,661	31,027

".": Zero patients in this cell.

Table H.37

**Death Rates: by Cause of Withdrawal**

*all dialysis patients, 1996-1998, rates per 1,000 patient years at risk*

	All										0-19
	ALL	Male	Female	White	Black	N Am	Asian	Non-DM	DM	ALL	
All	231.1	229.6	232.9	278.1	178.0	185.2	177.9	216.9	276.7	34.8	
Withdraw, access failure	1.3	1.0	1.6	1.7	0.8	1.2	0.8	1.2	1.6	0.6	
Withdraw, tx failure	0.1	<0.05	0.1	0.1	<0.05	.	<0.05	0.1	<0.05	0.4	
Withdraw, failure to thrive	18.2	16.7	19.8	26.9	7.9	10.9	9.7	18.1	21.0	1.1	
Withdraw, med complication	14.8	13.2	16.5	20.6	8.0	13.1	8.9	14.0	17.8	2.0	
Withdraw, other	6.9	6.6	7.1	9.9	3.4	5.6	3.1	6.9	7.8	0.7	
Missing data	19.6	19.7	19.5	24.0	13.8	11.9	15.2	19.8	20.0	5.6	
Did not withdraw	170.4	172.3	168.3	195	143.9	142.4	140.1	156.9	208.6	24.4	
Years at risk	611,035	318,531	292,504	327,411	240,086	10,634	21,906	344,430	210,649	5,370	
Patients	802,912	420,109	382,803	447,719	298,912	13,376	28,029	444,444	287,162	7,427	

  

	20-44					45-64				
	ALL	Male	Female	White	Black	ALL	Male	Female	White	Black
All	87.9	89.4	85.9	99.5	82.7	168.7	169.7	167.7	199.9	142.3
Withdraw, access failure	0.4	0.3	0.4	0.5	0.3	0.7	0.6	0.9	1.0	0.5
Withdraw, tx failure	0.1	<0.05	0.2	0.1	0.1	0.1	0.1	0.1	0.1	<0.05
Withdraw, failure to thrive	3.0	2.9	3.2	4.5	1.9	8.1	7.1	9.2	12.6	3.8
Withdraw, med complication	4.4	3.9	5.0	6.0	3.2	9.5	8.4	10.8	13.7	5.6
Withdraw, other	1.6	1.8	1.4	2.2	1.2	3.8	3.7	3.9	5.7	2.1
Missing data	8.1	8.5	7.4	8.3	8.1	13.6	14.1	12.9	15.9	10.9
Did not withdraw	70.4	72.0	68.1	78.0	67.9	133.0	135.6	130.0	150.9	119.3
Years at risk	115,045	66,546	48,498	50,981	55,394	232,926	123,944	108,982	111,813	102,924
Patients	144,307	83,769	60,538	66,322	67,105	297,911	158,875	139,036	148,772	125,933

  

	65+				
	ALL	Male	Female	White	Black
All	355.6	368.0	343.9	393.0	293.1
Withdraw, access failure	355.6	368.0	343.9	393.0	293.1
Withdraw, tx failure	2.2	1.7	2.7	2.5	1.6
Withdraw, failure to thrive	<0.05	.	<0.05	<0.05	<0.05
Withdraw, med complication	34.4	34.0	34.9	44.4	17.5
Withdraw, other	24.5	23.3	25.6	30.3	14.6
Missing data	12.2	12.3	12.0	15.4	6.6
Did not withdraw	30.4	31.4	29.5	34.9	21.7
Years at risk	251.9	265.4	239.2	265.5	231
Patients	257,693	125,114	132,579	161,627	79,995
	353,267	173,425	179,842	228,454	103,485

..Zero patients in this cell.



Table H.38

**Adjusted First-Year Deaths***per 1,000 patient years at risk, incident patients*

<b>DIALYSIS</b>	<b>1988</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>
0-19	119.1	100.1	72.0	106.1	76.4	82.4	48.6	36.9	42.1	30.2
20-44	165.0	153.2	113.4	111.3	92.6	88.1	79.6	70.0	60.9	52.7
45-64	241.5	221.1	199.5	194.3	183.4	167.7	162.5	145.7	136.5	125.4
65-74	364.6	349.2	324.6	328.3	319.9	295.8	303.8	287.4	282.0	293.3
75+	539.9	492.4	472.3	477.6	479.7	455.7	441.3	443.7	441.2	453.9
White	366.0	341.2	309.6	314.0	300.2	278.6	263.6	245.7	238.0	228.7
Black	205.7	197.7	173.9	167.9	157.3	150.8	153.2	141.0	127.5	121.1
Other	218.4	179.8	152.0	137.7	146.8	117.2	132.9	123.1	114.1	102.4
Male	317.3	289.1	254.6	252.1	239.4	215.7	211.9	194.6	185.2	174.9
Female	277.1	265.6	242.6	243.3	234.0	224.9	214.2	199.4	188.8	181.7
Diabetes	347.7	324.3	306.6	298.3	287.5	254.5	252.5	238.9	226.3	217.1
Hypertension	315.4	297.4	268.1	276.3	269.8	253.4	251.0	220.1	216.5	216.1
Glomerulonephritis	195.3	178.0	153.8	159.4	140.1	121.4	116.1	105.4	91.8	89.2
Other	247.8	241.9	199.5	201.1	187.2	182.4	169.8	157.6	147.1	132.6
Overall	298.0	278.0	248.8	247.9	236.9	220.0	212.9	196.9	186.8	178.1
<b>HEMODIALYSIS</b>										
0-19	93.0	90.7	59.4	95.1	55.6	74.1	48.0	44.4	34.1	25.6
20-44	165.4	159.9	120.4	122.1	99.4	98.4	81.4	74.5	63.6	50.0
45-64	244.7	223.6	205.6	202.1	192.6	175.1	170.4	150.7	139.9	119.1
65-74	359.9	336.9	309.5	317.9	311.0	297.7	300.1	281.4	267.8	239.3
75+	536.6	475.2	455.0	457.5	470.6	435.3	429.8	438.6	423.1	372.4
White	354.7	327.7	296.3	300.3	291.3	269.9	252.3	234.8	218.9	182.9
Black	194.3	184.5	163.1	159.7	148.5	142.8	145.4	132.2	119.8	101.0
Other	220.3	185.3	147.7	146.1	151.9	130.7	129.6	116.8	108.2	88.8
Male	300.8	274.8	238.9	237.9	225.4	206.0	199.0	182.3	170.2	143.9
Female	258.2	242.0	222.7	224.2	219.1	209.5	197.6	182.1	166.2	136.4
Diabetes	327.2	302.9	283.1	275.2	264.4	233.5	227.6	214.1	197.2	161.7
Hypertension	264.9	247.5	220.4	229.4	222.4	208.7	205.5	174.5	164.1	143.0
Glomerulonephritis	174.3	158.6	133.5	141.1	121.0	108.4	100.0	92.2	73.3	65.8
Other	248.5	239.2	204.5	207.9	204.6	200.6	191.0	175.4	169.3	138.0
Overall	280.4	259.3	231.2	231.4	222.3	207.6	198.3	182.2	168.3	140.4

Table H.38 (continued)

<b>CAPD/CCPD</b>	<b>1988</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>
0-19	165.9	134.6	89.2	116.9	48.5	115.4	33.0	31.1	48.7	27.8
20-44	199.3	162.9	121.7	90.1	85.8	78.2	70.6	57.8	47.6	40.5
45-64	266.2	244.1	193.9	177.3	176.9	161.7	143.0	134.7	137.8	95.2
65-74	364.0	339.4	321.3	317.1	283.9	272.3	294.3	267.1	252.4	226.0
75+	599.8	638.2	517.0	527.0	494.5	491.9	477.9	331.0	410.9	420.1
White	312.8	279.6	229.2	219.2	201.5	189.8	161.9	147.9	152.6	118.7
Black	206.6	174.8	143.7	119.0	110.0	112.5	129.7	100.4	89.6	59.4
Other	134.0	144.4	143.6	71.2	82.9	78.4	68.4	54.9	54.8	51.7
Male	303.7	257.8	205.7	200.7	178.9	163.0	152.4	130.7	133.7	95.5
Female	252.6	228.0	195.7	165.3	163.0	161.5	140.6	123.6	122.6	97.7
Diabetes	356.0	349.6	294.3	268.0	273.0	240.0	236.1	202.8	200.3	165.7
Hypertension	296.8	256.8	210.4	211.1	186.3	172.3	179.7	122.7	150.0	89.2
Glomerulonephritis	168.3	114.2	98.7	104.7	78.3	65.2	46.8	46.9	47.7	32.3
Other	214.9	195.4	155.0	119.3	104.7	122.6	84.1	98.2	87.5	73.1
Overall	278.3	245.1	200.0	183.6	170.8	162.1	147.5	127.6	128.1	96.9
<b>TRANSPLANT</b>										
0-19	18.5	16.9	14.6	9.9	22.7	13.7	0.0	0.0	0.0	0.0
20-44	22.4	18.6	17.5	7.5	16.6	8.3	1.0	8.0	1.0	0.0
45-64	47.1	59.0	21.1	19.9	25.8	26.7	17.9	12.1	12.5	5.8
65-74	0.0	21.2	25.8	36.1	0.0	6.6	50.2	0.0	0.0	0.6
75+	.	.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White	35.1	30.4	22.0	12.4	17.2	11.9	8.5	10.6	12.5	6.2
Black	8.8	33.2	13.8	0.0	44.8	34.8	0.5	0.0	1.1	0.0
Other	0.0	19.6	0.0	20.8	0.0	8.9	2.7	0.0	0.0	0.0
Male	18.6	27.4	24.2	12.0	12.0	11.6	13.0	6.8	8.6	0.5
Female	43.5	33.1	11.8	13.0	27.8	17.4	3.7	10.6	5.6	1.8
Diabetes	49.0	31.3	26.6	37.0	19.6	34.9	4.0	19.9	10.1	1.6
Hypertension	0.0	94.9	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glomerulonephritis	0.0	18.6	7.6	11.1	25.1	0.0	2.0	1.4	0.0	0.0
Other	33.8	28.6	22.5	6.8	20.3	13.8	8.2	6.5	12.5	6.6
Overall	29.2	30.4	19.4	12.4	19.6	13.9	8.7	8.3	10.4	2.2

".": Zero patients in this cell.

Table H.39

**Adjusted Second-Year Deaths***per 1,000 patient years at risk, incident patients*

<b>DIALYSIS</b>	<b>1987</b>	<b>1988</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-19	103.4	114.7	66.2	97.7	86.1	42.7	50.1	52.0	31.3	40.9
20-44	187.2	159.9	143.9	123.0	121.7	108.0	95.0	89.5	71.7	67.0
45-64	266.0	248.0	229.3	219.5	210.7	204.4	187.2	171.5	155.8	144.5
65-74	333.1	316.7	317.2	332.4	313.8	294.8	300.0	293.6	274.3	268.9
75+	481.3	475.8	417.5	439.9	442.0	421.6	416.6	411.9	403.5	384.1
White	346.4	334.8	315.0	315.8	307.2	289.9	282.3	264.1	245.5	230.4
Black	231.0	200.3	189.2	180.6	174.5	161.2	151.0	144.9	127.6	120.7
Other	236.6	211.1	180.3	174.6	140.8	141.1	132.3	134.7	119.6	105.1
Male	321.7	289.1	270.7	264.8	251.4	237.7	221.8	209.5	186.3	179.8
Female	270.9	263.9	246.6	245.5	240.0	224.8	223.4	211.1	197.3	178.6
Diabetes	385.7	364.6	337.0	339.0	322.4	309.2	287.6	280.9	253.5	238.6
Hypertension	299.6	280.8	264.1	273.4	263.2	249.6	241.3	226.8	205.8	197.2
Glomerulonephritis	210.3	179.6	183.0	160.4	160.6	144.0	132.7	115.5	104.7	94.6
Other	207.5	203.1	189.5	175.9	173.0	157.5	161.3	146.7	131.8	117.2
Overall	297.2	277.0	259.2	255.5	246.0	231.5	222.6	210.2	191.5	179.1
<b>HEMODIALYSIS</b>										
0-19	105.5	124.7	83.6	79.8	99.6	47.3	38.8	32.0	34.3	54.8
20-44	191.5	163.2	143.3	130.8	129.3	111.5	99.0	90.7	72.7	68.0
45-64	263.5	247.2	229.2	217.9	209.6	209.3	190.3	172.2	151.9	139.2
65-74	327.1	305.7	299.6	318.5	301.8	286.3	285.9	279.9	259.1	255.4
75+	460.8	463.6	401.0	430.1	426.1	414.6	413.7	395.4	380.7	371.9
White	331.8	319.9	298.1	296.8	288.1	276.9	266.4	247.6	221.1	210.5
Black	221.6	188.4	174.2	170.7	165.1	153.0	142.9	131.0	119.0	110.2
Other	219.2	200.0	172.1	180.6	146.0	141.5	138.5	128.6	106.8	95.8
Male	305.7	268.4	250.6	245.1	235.0	219.6	206.6	193.0	166.3	161.0
Female	249.2	245.1	223.9	224.9	216.8	210.8	204.8	186.8	172.1	156.8
Diabetes	358.9	338.3	301.9	304.6	288.5	278.7	260.4	245.1	217.2	201.8
Hypertension	257.5	236.1	218.6	227.5	215.6	203.6	195.7	182.8	160.3	153.8
Glomerulonephritis	187.2	153.7	157.4	141.3	139.9	126.1	117.6	94.0	83.8	82.5
Other	206.5	200.3	193.7	179.2	183.9	176.1	172.0	159.6	135.4	122.4
Overall	278.5	257.1	237.9	235.5	226.2	215.3	205.7	190.1	169.0	159.0

Table H.39 (continued)

<b>CAPD/CCPD</b>	<b>1987</b>	<b>1988</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>
0-19	97.6	115.4	14.0	159.9	14.9	64.1	66.2	74.8	35.1	25.5
20-44	223.1	170.6	166.6	123.4	124.1	132.0	102.1	102.4	69.8	65.9
45-64	311.5	287.3	272.3	265.7	257.7	238.0	212.5	201.4	190.0	166.8
65-74	394.1	394.0	414.7	374.2	362.3	349.7	335.2	315.6	284.9	290.8
75+	772.6	658.9	511.0	509.4	518.9	567.1	447.4	596.1	569.1	400.6
White	331.7	306.1	289.7	282.1	271.7	260.4	221.2	207.4	199.7	168.3
Black	223.4	197.7	194.4	162.6	151.0	141.9	141.8	142.7	103.5	105.4
Other	361.4	280.2	126.3	85.4	106.4	149.3	111.8	112.3	108.6	88.0
Male	331.5	299.3	273.6	267.9	245.9	249.2	197.2	185.7	173.2	160.6
Female	277.3	256.8	235.8	210.5	210.3	195.4	189.1	182.3	159.5	131.2
Diabetes	469.7	425.5	379.4	395.3	383.5	383.6	332.7	321.0	279.0	246.4
Hypertension	307.1	236.7	280.6	261.0	256.0	236.8	202.4	196.4	169.4	166.9
Glomerulonephritis	177.9	153.7	151.0	106.5	113.1	99.7	61.0	63.8	71.4	41.0
Other	172.3	201.8	161.4	137.6	106.6	112.2	113.6	98.0	94.2	86.1
Overall	306.0	277.9	256.6	239.0	228.7	222.4	193.1	185.0	166.9	146.0
<b>TRANSPLANT</b>										
0-19	7.3	6.4	0.0	0.0	0.0	7.7	6.9	0.1	0.0	0.0
20-44	17.3	9.5	11.4	21.6	13.8	15.3	17.0	1.0	12.2	0.1
45-64	24.9	21.7	38.3	17.5	32.9	9.9	22.2	16.0	14.5	16.4
65-74	25.6	64.7	28.7	100.9	0.0	48.6	6.9	37.9	0.0	0.0
75+	0.0	.	.	111.5	0.0	.	0.0	0.0	0.0	0.0
White	17.2	15.8	16.5	20.3	16.0	13.2	16.9	11.1	10.8	9.7
Black	31.3	8.9	0.0	39.6	18.9	0.0	9.0	0.2	8.7	1.2
Other	48.4	0.0	72.3	0.0	0.0	58.4	9.6	0.0	6.5	0.0
Male	24.8	11.5	21.0	11.8	18.5	12.1	13.2	11.1	8.2	5.8
Female	13.5	16.0	10.7	34.5	11.1	16.3	20.0	6.3	15.5	4.7
Diabetes	22.7	42.4	38.8	63.4	49.5	25.3	47.1	4.2	12.2	10.4
Hypertension	28.6	0.0	0.0	23.3	19.5	22.0	0.0	17.8	0.0	0.0
Glomerulonephritis	22.0	0.0	19.7	7.6	0.0	6.4	12.7	0.0	1.4	0.0
Other	19.7	11.6	12.3	15.0	8.3	11.1	11.6	7.5	12.1	7.6
Overall	20.5	13.7	17.0	21.4	15.5	14.3	15.9	8.9	11.3	7.8

.:Zero patients in this cell.

Table H.40

**Adjusted Third-Year Deaths***per 1,000 patient years at risk, incident patients*

<b>DIALYSIS</b>	<b>1986</b>	<b>1987</b>	<b>1988</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>
0-19	102.2	125.1	75.1	63.1	74.4	55.0	55.4	57.8	41.5	30.3
20-44	176.7	160.3	133.5	134.7	117.6	113.3	111.5	96.0	91.2	74.0
45-64	276.9	253.4	239.3	241.1	230.7	217.3	229.4	208.1	192.5	166.8
65-74	366.3	353.7	331.0	338.3	350.5	330.2	328.2	318.2	312.0	291.2
75+	467.3	442.3	478.6	442.0	473.6	442.3	462.9	434.7	440.6	420.6
White	362.4	339.4	328.3	326.8	335.6	308.7	318.6	291.4	284.4	255.6
Black	224.4	214.0	192.7	198.4	184.9	178.7	178.4	170.4	156.0	141.3
Other	287.8	243.5	207.3	197.4	157.7	178.5	169.6	168.8	153.6	124.3
Male	330.4	301.8	285.9	272.8	274.2	251.5	265.3	238.7	226.6	198.5
Female	280.9	270.2	252.7	267.0	259.0	249.1	245.5	236.4	226.7	206.8
Diabetes	382.4	370.4	359.0	367.1	354.1	340.6	341.7	314.5	294.6	269.1
Hypertension	311.8	294.1	279.7	272.3	279.4	265.1	280.1	257.4	259.7	222.5
Glomerulonephritis	224.5	216.0	177.6	190.6	173.1	157.4	158.3	143.4	123.1	114.5
Other	225.3	193.4	190.0	184.7	186.8	166.7	169.3	164.3	154.4	131.1
Overall	306.3	286.6	269.8	270.1	266.9	250.4	255.6	237.6	226.7	202.4
<b>HEMODIALYSIS</b>										
0-19	111.0	121.1	104.4	67.3	75.0	57.2	45.7	65.2	37.4	22.3
20-44	188.5	163.2	130.2	140.6	120.1	118.4	112.6	97.4	88.8	76.3
45-64	278.5	253.7	232.5	245.7	234.8	220.3	231.6	206.3	189.8	157.7
65-74	356.1	339.2	311.3	320.0	338.7	322.5	318.1	303.1	297.5	279.5
75+	458.9	431.2	464.2	448.4	474.6	426.2	446.5	425.2	432.0	407.2
White	350.8	324.7	305.8	314.4	322.6	295.2	300.1	269.2	262.8	230.7
Black	217.1	205.0	177.3	189.1	175.5	167.5	166.9	159.9	146.5	130.7
Other	290.8	223.7	202.2	201.2	161.7	182.9	179.7	178.0	137.9	113.7
Male	313.8	284.8	259.0	262.6	256.8	235.8	245.5	215.5	206.2	174.5
Female	267.2	250.1	229.9	244.2	241.8	229.3	224.4	217.9	202.8	184.2
Diabetes	368.6	344.8	322.8	341.4	322.2	311.2	310.0	281.0	259.4	234.8
Hypertension	269.7	250.3	228.0	229.8	234.9	218.6	223.7	208.9	210.6	167.6
Glomerulonephritis	210.2	193.7	158.6	170.2	152.7	140.3	139.8	121.2	99.1	94.4
Other	218.0	193.0	181.7	188.6	196.8	174.2	180.4	171.3	159.6	134.2
Overall	291.4	268.2	244.9	253.9	249.6	232.8	235.0	216.5	204.6	179.1

Table H.40 (continued)

<b>CAPD/CCPD</b>	<b>1986</b>	<b>1987</b>	<b>1988</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>
0-19	61.2	120.1	38.6	77.1	111.2	64.0	70.3	70.4	32.2	24.5
20-44	167.3	193.0	174.1	156.1	131.7	114.4	135.4	119.2	93.7	66.6
45-64	298.2	328.0	329.2	279.7	289.3	271.6	270.8	247.7	243.1	221.1
65-74	464.0	468.2	359.3	513.6	447.8	358.0	384.9	424.6	444.5	278.4
75+	678.6	736.2	523.3	513.7	557.5	434.8	619.0	501.6	660.7	613.4
White	333.4	355.5	312.1	316.7	302.1	266.6	282.1	266.9	261.5	210.9
Black	189.8	208.9	220.6	182.9	192.8	152.7	174.0	151.2	145.9	117.4
Other	203.9	276.6	155.8	158.1	139.2	142.1	100.4	168.7	117.0	102.7
Male	314.4	357.4	313.2	278.6	295.2	244.3	273.8	240.7	230.6	192.2
Female	253.1	259.6	250.7	262.7	233.7	210.3	214.3	216.1	209.4	160.6
Diabetes	381.1	457.0	464.8	444.5	424.3	384.8	368.1	391.3	368.5	299.3
Hypertension	306.4	338.1	303.6	293.0	277.8	225.6	310.7	247.6	242.6	214.2
Glomerulonephritis	180.2	194.3	130.4	135.2	132.9	105.0	100.8	112.0	84.4	66.0
Other	190.8	167.9	164.1	152.0	161.4	133.8	148.5	110.9	121.8	81.8
Overall	285.7	310.0	282.2	271.6	264.0	227.8	243.8	228.6	221.1	177.1
<b>TRANSPLANT</b>										
0-19	0.0	7.3	0.0	0.0	7.4	10.2	15.7	7.0	0.0	0.1
20-44	12.9	20.1	21.5	17.5	3.4	9.4	10.5	13.9	1.8	8.3
45-64	29.2	42.3	33.6	30.1	41.5	38.7	20.1	29.3	21.0	25.5
65-74	194.7	31.8	0.0	0.0	0.0	0.0	100.8	18.4	82.7	2.4
75+	0.0	0.0	.	.	0.0	0.0	.	1,453.1	0.0	0.0
White	22.3	21.0	24.5	19.9	13.2	15.3	14.7	20.7	14.7	18.4
Black	66.9	79.1	18.1	8.7	17.1	29.4	9.2	0.0	0.3	5.9
Other	0.0	0.0	0.0	25.8	0.0	0.0	40.8	20.1	2.8	6.5
Male	34.3	26.1	22.1	19.8	17.4	12.6	15.9	16.5	11.4	13.9
Female	13.8	27.7	19.6	16.5	5.2	20.5	14.7	23.1	14.3	20.7
Diabetes	69.1	39.1	90.9	33.5	37.9	34.4	31.4	62.4	2.1	25.2
Hypertension	0.0	73.4	0.0	67.4	0.0	0.0	0.0	0.0	22.0	0.0
Glomerulonephritis	14.8	33.9	0.0	20.4	7.7	11.3	26.4	6.5	8.3	2.9
Other	21.1	20.6	13.9	12.6	10.3	12.6	9.7	14.6	11.0	15.7
Overall	27.6	26.7	21.9	18.8	12.7	15.9	15.6	19.1	12.7	16.5

.: Zero patients in this cell.