



SECTION H

MORTALITY &
CAUSES OF DEATH



CONTENTS

- 457 H.1 Total ESRD Patient Deaths
by age, race, gender, & primary diagnosis
- 458 H.2 Annual Death Rates: ESRD Patients
period prevalent patients, 1999, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis
- 459 H.3 Annual Death Rates: Dialysis Patients
period prevalent patients, 1999, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis
- 460 H.4 Annual Death Rates: Hemodialysis Patients
period prevalent patients, 1999, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis
- 461 H.5 Annual Death Rates: CAPD/CCPD Patients
period prevalent patients, 1999, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis
- 462 H.6 Annual Death Rates: Transplant Patients
period prevalent patients, 1999, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis
- 463 H.7 Standardized Mortality Ratios: by State
based on 1999 rates, & adjusted for age on January 1, race, gender, & diabetic status
- 464 H.8 Death Rates by Primary Cause of Death: ESRD Patients
period prevalent patients, 1997-1999, rates per 1,000 patient years at risk
- 465 H.9 Death Rates by Primary Cause of Death: Dialysis Patients
period prevalent patients, 1997-1999, rates per 1,000 patient years at risk
- 466 H.10 Death Rates by Primary Cause of Death: Hemodialysis Patients
period prevalent patients, 1997-1999, rates per 1,000 patient years at risk
- 467 H.11 Death Rates by Primary Cause of Death: CAPD/CCPD Patients
period prevalent patients, 1997-1999, rates per 1,000 patient years at risk
- 468 H.12 Death Rates by Primary Cause of Death: Transplant Patients
period prevalent patients, 1997-1999, rates per 1,000 patient years at risk
- 469 H.13 Death Rates: by Cause of Withdrawal
all period prevalent dialysis patients, 1997-1999, rates per 1,000 patient years at risk
- 470 H.14 Adjusted First-Year Deaths
per 1,000 patient years at risk, incident patients
- 472 H.15 Adjusted Second-Year Deaths
per 1,000 patient years at risk, incident patients
- 474 H.16 Adjusted Third-Year Deaths
per 1,000 patient years at risk, incident patients





Table H.1

Total ESRD Patient Deaths*by age, race, gender, & primary diagnosis*

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
0-4	40	31	32	30	33	35	32	39	37	29
5-9	23	14	12	14	*	18	19	10	16	16
10-14	31	18	19	18	19	23	22	28	15	30
15-19	62	52	44	44	45	60	51	54	43	53
20-29	492	460	525	493	510	535	557	514	492	491
30-39	1,643	1,651	1,858	1,901	2,081	2,177	2,198	2,137	2,064	2,106
40-49	2,669	2,790	3,233	3,334	3,850	4,287	4,511	4,688	4,792	4,926
50-59	4,355	4,573	5,073	5,586	6,377	6,825	7,307	7,877	8,543	9,245
60-64	3,764	4,105	4,473	4,620	5,052	5,409	5,722	6,047	6,445	6,760
65-69	5,315	5,716	6,341	6,763	7,150	7,662	8,075	8,500	8,844	8,978
70-79	9,483	10,511	12,386	13,692	14,736	16,284	17,869	18,962	20,756	21,989
80+	3,703	4,381	5,171	5,944	6,879	7,668	8,616	9,802	11,106	12,341
Male	17,032	18,320	20,745	22,424	24,667	26,753	28,901	30,508	32,941	34,908
Female	14,545	15,982	18,422	20,014	22,064	24,214	26,065	28,138	30,205	32,052
White	21,417	23,285	26,650	28,521	31,032	33,729	35,406	37,993	41,136	43,431
Black	9,104	9,924	11,137	12,339	13,700	14,857	16,094	16,935	18,146	19,386
Native American	344	370	443	508	568	643	772	804	793	888
Asian	623	618	728	762	1,020	1,183	1,508	1,593	1,714	1,917
Other/unknown	92	105	209	309	418	571	1,199	1,333	1,364	1,342
Hispanic**							1,837	2,933	3,993	4,640
Non-Hispanic							53,142	55,725	59,160	62,324
Diabetes	10,028	11,513	13,366	14,946	16,342	18,737	21,371	23,649	26,656	29,099
Hypertension	9,126	10,260	11,519	12,625	13,699	14,649	15,057	16,258	17,228	18,054
Glomerulonephritis	3,488	3,510	3,784	3,880	4,142	4,523	4,840	5,026	5,102	5,311
Cystic kidney	821	780	838	926	912	1,055	1,085	1,137	1,138	1,191
Other urologic	558	595	697	738	764	839	957	943	1,027	1,108
Other cause	3,389	3,481	3,731	3,932	4,253	4,885	5,737	6,084	6,495	6,916
Unknown cause	1,604	1,646	1,920	1,942	1,835	2,067	2,160	2,329	2,514	2,515
Missing cause	2,566	2,517	3,312	3,450	4,791	4,228	3,772	3,232	2,993	2,770
All	31,580	34,302	39,167	42,439	46,738	50,983	54,979	58,658	63,153	66,964

**Death counts for Hispanic and non-Hispanic groups prior to 1996 are not reported.

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

." Zero patients in this cell.



Table H.2

Annual Death Rates: ESRD Patients

period prevalent patients, 1999, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

DIABETES	Male					Female					All				
	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All
0-19	53.8	71.2	53.3	42.2	58.5	64.7	83.7	54.7	44.9	78.5	58.1	81.4	54.0	43.6	71.1
20-29	68.3	80.3	64.6	53.0	71.5	81.7	99.0	64.6	55.6	87.0	75.2	91.7	64.6	54.9	80.0
30-39	86.1	109.0	83.1	69.8	90.0	92.1	115.7	83.0	71.4	97.2	88.6	112.4	83.1	70.7	93.1
40-49	125.7	124.5	116.1	102.1	124.6	133.9	137.3	107.7	98.3	133.3	128.9	130.6	112.2	100.5	128.3
50-59	195.6	160.9	160.4	152.6	181.8	215.1	169.7	152.5	157.7	191.9	203.8	165.5	156.5	154.8	186.4
60-64	265.9	200.8	220.7	202.4	239.9	276.9	193.8	192.9	186.8	234.5	271.3	196.7	205.3	194.0	237.1
65-69	340.1	250.9	263.0	260.3	306.8	320.9	242.9	242.8	244.7	283.5	330.1	245.8	249.8	252.1	293.7
70-79	436.4	321.2	344.7	370.2	401.8	432.1	313.8	306.1	325.0	379.0	434.2	316.3	319.8	343.8	388.7
80+	648.0	467.8	506.9	502.9	595.3	622.0	450.5	447.4	489.1	546.7	634.1	455.7	464.5	495.3	566.6
All	251.3	203.8	196.9	233.4	235.9	280.2	224.9	200.5	237.3	255.2	264.7	216.0	198.9	235.4	245.7
HYPERTENSION															
0-19	17.0	24.7	19.2	11.4	21.4	20.2	29.3	19.8	12.2	24.0	18.8	26.6	19.5	11.8	22.6
20-29	23.5	30.0	26.6	16.6	27.6	27.9	37.7	26.8	17.1	33.3	25.2	32.5	26.7	16.8	29.6
30-39	35.5	43.1	40.1	25.7	40.3	41.1	49.4	38.9	25.3	45.9	37.3	45.2	39.6	25.5	42.2
40-49	59.8	71.3	62.3	40.6	67.3	65.5	75.3	59.0	41.6	71.1	61.6	72.6	61.1	41.1	68.5
50-59	116.1	108.5	107.4	76.0	110.2	126.6	122.3	99.3	71.4	121.4	120.0	113.6	104.6	73.8	114.3
60-64	201.8	164.0	161.4	114.2	179.0	188.7	150.3	142.9	110.7	163.0	196.8	157.6	151.5	112.8	172.1
65-69	252.8	212.1	229.1	163.4	233.0	262.3	215.9	203.2	156.2	233.7	256.6	214.0	215.0	159.8	233.4
70-79	376.5	301.5	350.0	262.6	352.3	365.5	288.8	298.5	246.3	328.3	372.1	294.1	320.4	255.1	341.1
80+	522.7	450.1	560.9	450.2	506.7	531.9	470.4	488.0	381.5	505.9	526.7	462.6	517.4	414.0	506.3
All	276.7	137.6	156.9	161.7	204.1	296.4	185.7	175.2	162.0	232.5	284.4	158.1	165.4	161.8	215.8
GLOMERULONEPHRITIS															
0-19	11.1	19.4	14.4	7.8	13.5	11.4	20.5	13.3	7.4	13.8	11.2	19.9	13.8	7.6	13.7
20-29	16.3	26.7	20.8	11.6	19.7	17.2	26.6	18.3	10.7	20.1	16.7	26.6	19.6	11.2	19.8
30-39	23.9	37.7	31.7	18.7	27.8	25.4	36.1	27.2	16.3	28.3	24.5	37.0	29.5	17.6	28.0
40-49	40.6	59.5	50.8	30.9	45.7	39.2	56.1	42.8	26.2	43.0	40.1	58.2	47.7	28.5	44.7
50-59	76.5	91.5	89.8	57.1	79.2	76.1	90.3	74.6	46.1	77.3	76.3	91.1	83.4	51.8	78.5
60-64	126.2	132.1	139.4	87.5	125.6	114.6	127.9	111.4	76.7	115.6	122.0	130.2	127.8	82.9	121.8
65-69	177.0	188.1	192.1	132.5	177.1	160.4	169.8	154.3	111.1	160.2	170.6	179.1	173.3	123.6	170.2
70-79	277.2	261.4	311.1	217.1	273.0	278.5	237.3	237.4	172.0	263.7	277.6	249.0	273.2	195.1	269.3
80+	462.0	434.0	518.2	388.6	456.5	469.2	388.5	388.4	303.6	447.0	464.9	410.0	427.5	344.4	452.4
All	102.3	78.4	83.5	63.5	94.2	101.1	81.9	74.3	53.4	92.0	101.8	79.9	79.3	58.8	93.3
OTHER															
0-19	14.6	28.4	19.4	12.2	17.5	18.8	35.8	20.2	13.3	22.2	16.2	31.3	19.7	12.8	19.3
20-29	19.3	39.2	26.5	17.3	24.0	25.4	45.9	27.4	18.2	31.0	22.0	42.7	26.9	17.8	27.2
30-39	32.5	59.2	39.6	26.9	39.7	37.0	68.2	39.0	27.2	45.9	34.6	63.6	39.3	27.0	42.7
40-49	52.2	82.7	59.9	42.2	60.9	54.9	89.6	59.4	41.3	64.6	53.4	85.9	59.7	41.7	62.6
50-59	91.2	120.0	104.8	75.4	97.8	90.3	128.0	99.4	70.4	98.4	90.8	123.7	102.3	72.5	98.1
60-64	148.8	175.5	155.6	115.4	153.9	146.5	179.7	142.9	110.9	153.4	147.7	177.6	149.3	113.3	153.7
65-69	208.2	214.3	212.4	165.8	208.3	201.9	235.3	205.7	158.4	208.2	205.2	224.8	209.3	161.9	208.3
70-79	340.7	318.1	324.8	262.3	334.8	321.2	320.9	278.3	237.6	318.1	332.0	319.6	299.5	249.4	327.0
80+	537.8	485.1	513.1	443.7	527.9	507.2	488.1	456.5	398.5	500.4	524.7	486.7	482.5	423.9	515.6
All	134.0	125.5	105.6	98.6	130.7	129.9	139.2	109.6	84.9	130.4	132.1	132.2	107.5	91.2	130.6
ALL															
0-19	14.1	25.9	18.1	10.7	16.9	17.0	31.3	17.7	11.1	20.2	15.3	28.2	17.9	10.9	18.3
20-29	22.5	34.3	24.4	14.8	26.2	29.0	44.0	27.3	16.6	33.5	25.3	38.6	25.9	15.6	29.4
30-39	45.2	54.0	48.1	27.0	47.6	49.8	63.8	47.3	27.9	53.5	47.1	58.2	47.7	27.4	50.1
40-49	74.8	81.2	83.4	50.1	76.5	78.6	91.7	81.3	44.4	81.8	76.3	85.4	82.5	47.3	78.7
50-59	130.9	125.8	139.8	100.6	128.2	139.1	141.9	135.9	91.9	138.1	134.4	133.0	138.0	96.4	132.5
60-64	201.1	178.7	198.8	146.6	191.5	209.2	176.3	177.8	145.2	192.7	204.7	177.4	187.6	145.9	192.1
65-69	264.2	227.1	245.1	204.8	250.6	264.5	230.6	230.9	196.8	248.2	264.4	229.1	236.4	200.7	249.4
70-79	373.5	309.0	340.1	298.2	355.7	374.7	302.1	298.2	275.1	344.0	374.0	304.8	314.4	286.0	349.8
80+	540.3	459.8	527.1	458.9	522.9	541.6	462.2	453.4	412.7	511.4	540.9	461.3	479.0	434.8	517.2
All	190.7	144.4	156.4	143.8	173.9	204.5	180.7	168.1	140.9	192.7	196.7	162.1	162.4	142.3	182.4



Table H.3

Annual Death Rates: Dialysis Patients

period prevalent patients, 1999, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

DIABETES	Male					Female					All				
	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All
0-19	105.6	82.1	69.8	60.6	97.6	125.0	95.2	70.4	64.8	99.6	112.9	93.5	70.1	62.7	99.0
20-29	115.8	88.9	77.8	68.7	105.7	136.8	111.3	76.5	72.3	123.2	126.7	102.5	76.6	71.5	115.6
30-39	160.8	135.1	109.8	98.1	151.5	184.6	146.0	108.1	100.4	165.6	169.8	140.6	108.9	99.3	157.5
40-49	206.1	142.1	139.1	131.1	179.9	217.0	149.4	128.8	124.6	182.1	210.5	145.7	134.4	128.3	180.9
50-59	248.5	175.5	182.9	174.9	216.7	251.7	179.8	168.3	177.7	213.6	249.9	177.8	175.3	176.2	215.2
60-64	301.5	211.0	240.4	222.5	264.2	301.3	201.4	205.3	202.7	249.7	301.4	205.2	220.4	211.7	256.3
65-69	365.0	262.0	282.4	270.7	325.8	332.3	247.5	249.1	253.9	291.5	347.5	252.8	259.8	261.7	306.0
70-79	446.0	326.7	347.7	370.5	409.5	436.4	316.2	303.7	323.7	382.0	440.9	319.7	319.2	342.9	393.6
80+	647.5	478.0	507.5	488.4	596.3	620.2	455.4	441.2	478.6	547.0	632.9	462.2	460.3	483.0	567.1
All	325.5	222.1	220.5	258.0	286.8	338.4	236.7	215.7	255.4	289.0	331.8	230.8	217.8	256.6	287.9
HYPERTENSION															
0-19	34.9	28.6	26.6	17.4	29.9	41.5	33.7	27.0	18.8	35.8	38.0	30.8	26.8	17.4	32.4
20-29	41.7	32.7	33.8	22.8	34.2	49.1	40.7	33.7	23.7	42.3	44.7	35.2	33.7	23.0	36.9
30-39	68.2	51.7	56.0	38.2	54.6	74.1	59.0	53.8	38.0	61.3	70.3	54.2	55.3	38.1	56.9
40-49	97.1	82.7	81.2	55.7	84.9	106.1	85.8	75.7	57.0	88.5	100.0	83.7	79.1	56.3	86.1
50-59	162.5	120.7	130.6	94.5	132.2	177.8	134.6	117.6	90.3	145.1	168.2	126.0	125.9	92.6	137.1
60-64	253.4	177.5	185.8	131.0	207.0	232.1	161.2	161.5	130.0	184.1	244.9	169.7	172.8	130.6	196.8
65-69	286.5	224.9	251.1	178.2	256.2	295.9	226.9	221.2	173.3	253.8	290.3	226.0	234.9	175.6	255.1
70-79	393.1	307.1	364.9	268.7	365.2	375.7	293.0	306.3	252.8	335.5	386.0	298.8	331.2	261.3	351.1
80+	525.5	457.2	585.4	455.0	510.5	533.0	474.8	502.0	382.5	508.1	528.7	468.0	535.7	416.8	509.3
All	337.7	155.9	196.8	199.9	241.3	348.0	203.1	208.8	198.3	263.5	341.9	176.9	202.5	199.1	250.8
GLOMERULONEPHRITIS															
0-19	27.1	25.7	25.1	14.3	25.7	29.5	27.7	23.3	14.0	27.8	28.2	26.7	24.0	14.1	26.7
20-29	34.2	32.9	32.7	18.7	32.7	37.1	33.2	28.9	17.8	33.8	35.4	33.0	30.7	18.3	33.2
30-39	51.1	51.7	53.6	32.2	50.3	57.7	48.7	46.2	29.0	51.3	53.6	50.4	49.7	30.8	50.7
40-49	78.5	76.1	78.8	47.1	75.8	78.2	72.5	66.9	41.4	72.4	78.4	74.8	75.1	44.3	74.5
50-59	131.5	110.0	126.9	78.7	121.2	128.8	111.3	105.9	66.1	118.1	130.5	110.5	118.4	72.7	120.0
60-64	188.3	150.0	184.5	113.5	174.6	173.5	145.5	147.8	99.8	160.0	182.7	147.9	169.9	107.5	168.7
65-69	239.4	210.0	241.3	158.9	229.7	208.0	189.1	193.4	133.7	198.7	226.7	199.6	215.2	147.2	216.3
70-79	304.8	272.8	359.2	233.6	298.1	303.9	248.8	272.6	187.7	285.2	304.5	260.3	314.6	210.4	292.8
80+	472.8	448.5	592.5	406.0	467.9	481.7	405.1	440.8	323.0	460.8	476.4	425.7	477.1	362.8	464.9
All	182.8	100.5	125.3	99.2	150.8	180.6	104.8	114.4	87.2	146.7	182.0	102.3	120.3	93.5	149.1
OTHER															
0-19	44.0	44.3	37.7	26.3	43.5	54.0	54.7	39.1	29.1	52.9	48.6	49.3	38.2	28.0	47.9
20-29	47.7	54.0	45.7	32.6	49.4	60.8	61.3	46.8	34.3	59.5	53.9	58.0	46.4	33.6	54.6
30-39	77.6	80.8	72.6	52.8	78.4	89.9	93.7	70.6	53.5	90.0	83.3	87.1	71.6	53.2	83.9
40-49	110.2	106.2	97.6	73.1	107.2	114.1	117.9	95.5	72.6	114.0	112.0	111.4	96.7	72.8	110.3
50-59	162.9	146.3	152.9	114.7	155.6	162.8	158.8	144.0	110.6	159.3	162.8	152.1	148.7	112.4	157.4
60-64	235.2	212.7	210.5	158.6	226.1	225.1	207.6	192.9	152.6	217.0	230.2	210.0	203.4	155.6	221.6
65-69	281.8	239.8	268.1	206.6	268.9	277.7	264.3	253.5	202.0	271.2	279.9	252.4	260.3	204.2	270.1
70-79	381.0	329.9	364.8	286.5	369.2	361.0	332.0	311.9	264.3	350.8	372.1	331.0	335.7	275.2	360.6
80+	550.5	491.0	561.3	470.4	540.1	518.1	494.0	494.6	422.4	510.7	536.6	492.6	525.2	449.0	527.0
All	248.7	159.9	168.7	164.8	217.1	234.0	176.3	168.5	140.0	210.5	241.8	167.9	168.6	151.4	214.0
ALL															
0-19	39.4	36.4	34.1	19.7	37.4	46.9	44.8	30.9	23.4	44.7	42.8	40.5	32.7	21.6	40.9
20-29	50.0	42.0	37.9	24.8	45.0	63.8	54.3	41.1	29.1	57.2	56.3	47.7	39.8	26.9	50.6
30-39	97.0	69.3	76.4	47.3	81.5	108.5	82.5	73.2	49.8	92.3	101.7	74.9	74.8	48.5	86.0
40-49	139.7	97.7	113.9	77.4	115.7	146.7	109.7	110.7	71.0	124.2	142.5	102.5	112.5	74.3	119.2
50-59	200.0	143.0	169.4	133.6	171.8	205.1	158.6	159.3	128.8	179.8	202.2	150.2	164.4	131.3	175.4
60-64	266.0	195.1	227.8	178.6	234.7	265.1	188.5	197.8	173.7	225.5	265.6	191.5	211.5	176.2	230.1
65-69	315.2	242.3	273.5	228.3	287.2	305.1	240.8	244.0	217.7	273.9	310.3	241.4	254.4	222.7	280.2
70-79	396.8	315.9	353.9	307.5	373.9	392.6	306.5	303.2	282.9	355.7	394.9	310.1	322.6	294.4	364.7
80+	546.0	467.9	549.9	462.5	529.0	545.5	467.5	463.7	414.3	515.6	545.8	467.6	493.3	437.3	522.3
All	288.4	169.2	197.6	195.6	238.8	295.2	204.0	200.2	190.6	250.5	291.4	186.7	199.0	193.1	244.4



Table H.4

Annual Death Rates: Hemodialysis Patients

period prevalent patients, 1999, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

DIABETES	Male					Female					All				
	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All
0-19	101.5	77.5	66.0	56.4	93.1	119.7	90.0	67.0	60.9	94.4	107.3	87.8	66.5	58.6	94.0
20-29	117.2	87.4	76.5	66.8	105.5	138.2	111.4	75.1	70.0	122.5	127.5	102.0	75.3	69.2	114.8
30-39	166.5	140.2	109.6	97.1	155.8	197.5	146.7	108.1	100.1	170.6	177.6	143.4	108.9	98.7	161.9
40-49	208.4	140.8	139.8	128.1	178.6	217.6	142.6	125.0	123.7	176.7	212.0	141.7	133.2	126.2	177.8
50-59	240.3	168.8	179.1	175.8	208.2	240.7	176.4	162.9	174.2	205.6	240.5	172.9	170.7	175.0	206.9
60-64	288.1	206.2	231.3	213.6	252.9	293.2	196.2	197.9	200.6	241.9	290.7	200.2	212.5	206.6	246.9
65-69	355.9	258.9	278.7	266.4	317.4	321.7	242.9	240.1	248.7	282.8	337.3	248.7	252.1	256.8	297.2
70-79	440.1	324.3	336.9	368.1	403.3	423.2	312.9	296.6	318.0	372.3	431.0	316.6	310.6	338.6	385.1
80+	640.1	473.1	494.3	485.8	588.3	605.8	450.8	428.1	485.8	536.6	621.6	457.5	447.2	485.8	557.6
All	324.6	220.0	216.6	258.0	283.6	335.1	234.7	211.8	254.1	284.9	329.8	228.7	213.8	256.0	284.3
HYPERTENSION															
0-19	34.0	27.4	26.4	17.1	28.7	40.8	32.8	27.3	18.8	34.9	37.4	29.4	26.8	18.0	31.2
20-29	41.7	32.3	34.7	23.3	33.8	50.0	41.3	35.2	24.7	42.9	44.8	35.1	34.9	23.7	36.7
30-39	70.3	52.6	58.8	40.2	55.6	77.2	59.9	57.3	40.8	62.6	72.7	55.0	58.5	40.4	57.9
40-49	98.4	83.2	83.2	58.1	85.5	109.6	88.4	79.6	60.4	91.1	102.0	84.9	81.9	59.2	87.4
50-59	160.2	119.3	132.6	97.4	130.0	177.6	133.2	120.9	94.2	143.5	166.5	124.5	128.1	96.0	135.0
60-64	246.0	175.5	187.2	134.0	201.8	229.4	160.7	162.1	136.8	181.9	239.5	168.5	173.6	135.1	193.0
65-69	284.3	225.5	253.6	183.6	254.2	292.8	221.9	224.5	181.0	248.5	287.7	223.6	237.3	182.3	251.6
70-79	387.6	307.1	363.3	271.9	360.7	373.9	291.7	305.6	257.7	332.8	382.0	298.0	329.5	265.2	347.4
80+	523.9	458.6	583.4	464.4	509.4	526.7	471.7	506.7	388.8	503.0	525.1	466.7	536.3	424.1	506.3
All	339.4	157.9	198.4	208.8	241.5	352.8	206.8	222.3	212.4	266.7	344.8	179.5	209.8	210.5	252.2
GLOMERULONEPHRITIS															
0-19	26.7	25.2	24.5	13.6	25.1	29.0	26.8	23.1	13.5	26.5	27.6	25.9	23.7	13.6	25.7
20-29	34.1	33.1	33.3	18.4	32.8	37.3	33.4	29.6	17.9	33.9	35.3	33.3	31.5	18.2	33.3
30-39	52.2	53.4	55.9	32.9	51.7	60.0	49.6	48.7	29.8	52.6	54.9	51.9	52.9	31.6	52.0
40-49	80.6	77.6	81.6	47.2	77.6	79.5	74.8	69.4	42.8	74.3	80.2	76.7	78.3	45.2	76.4
50-59	137.5	111.4	127.8	78.1	124.6	129.1	114.3	107.1	65.7	119.0	134.3	112.5	119.4	72.4	122.5
60-64	186.8	150.5	185.7	112.6	172.7	173.1	142.0	146.4	99.8	157.8	181.7	146.8	168.9	107.1	166.8
65-69	237.2	212.8	241.1	160.0	228.5	208.3	191.0	193.8	133.3	198.7	225.8	202.2	216.0	146.6	215.8
70-79	301.2	275.5	357.3	235.1	295.2	298.3	252.2	272.9	189.9	281.2	300.1	263.3	314.2	212.2	289.4
80+	465.1	452.5	588.7	408.1	461.7	478.8	411.1	435.5	327.7	459.1	470.8	430.6	470.8	366.4	460.5
All	188.5	103.6	127.4	104.8	154.0	193.1	111.6	126.7	95.9	155.9	190.2	106.8	127.1	100.7	154.8
OTHER															
0-19	43.8	42.8	38.7	25.1	42.8	54.3	54.0	41.2	27.9	52.3	48.8	48.4	39.5	27.1	47.5
20-29	47.9	55.0	48.5	32.4	50.1	63.0	61.6	51.2	35.1	60.9	54.5	58.6	50.0	34.0	55.4
30-39	79.3	80.4	78.5	53.2	79.2	95.9	97.2	78.7	56.2	94.8	86.6	88.1	78.6	54.8	86.3
40-49	114.5	106.8	104.2	72.5	109.6	122.1	121.7	105.9	75.3	120.2	117.9	113.2	104.8	74.0	114.2
50-59	165.8	146.5	158.2	113.3	157.1	167.4	163.5	155.6	113.0	163.8	166.5	154.2	157.0	113.2	160.3
60-64	235.1	212.3	217.1	157.6	225.8	230.5	208.2	202.0	155.9	220.7	232.9	210.2	211.2	156.8	223.3
65-69	288.6	234.3	277.7	204.1	271.5	281.9	262.9	272.8	204.6	273.5	285.4	249.1	275.3	204.4	272.5
70-79	383.0	325.1	370.1	280.6	369.4	356.4	327.2	329.7	267.4	346.6	371.1	326.2	349.2	273.8	358.8
80+	549.5	486.5	580.3	468.9	538.4	510.5	493.7	516.0	428.0	505.0	532.8	490.3	542.0	450.3	523.5
All	259.4	162.1	177.4	169.5	223.9	247.8	183.4	187.6	151.3	221.3	254.1	172.3	182.0	159.9	222.7
ALL															
0-19	38.5	34.1	34.2	17.8	35.7	47.7	44.7	31.2	22.2	44.4	42.6	39.0	33.0	20.4	39.7
20-29	50.2	42.0	39.4	25.0	45.0	65.6	55.0	43.3	30.2	58.0	56.7	47.8	41.5	27.5	50.7
30-39	98.8	70.4	77.9	48.7	82.2	114.5	84.5	79.5	52.9	95.4	104.8	76.1	78.6	50.7	87.4
40-49	142.0	98.2	116.9	78.6	116.0	151.3	110.5	112.1	75.1	125.8	145.7	103.0	115.0	77.0	119.9
50-59	197.7	140.3	168.3	134.8	168.4	202.8	157.8	156.3	130.6	177.4	199.9	148.3	162.4	132.9	172.4
60-64	258.4	192.1	222.3	175.3	227.9	262.8	185.6	192.2	175.3	221.7	260.5	188.6	206.0	175.3	224.8
65-69	312.2	240.6	272.1	227.7	283.4	300.8	236.7	237.9	217.2	268.7	306.7	238.4	249.8	222.1	275.7
70-79	393.6	314.5	347.6	308.3	370.4	385.8	304.0	299.7	282.4	349.9	390.0	308.0	318.0	294.4	359.8
80+	543.2	466.8	544.1	465.6	526.2	537.7	464.5	459.9	420.2	509.4	540.7	465.3	487.4	441.8	517.8
All	293.1	170.5	197.4	201.8	240.4	302.3	207.4	203.3	200.2	254.8	297.2	189.0	200.5	201.0	247.2



Table H.5

Annual Death Rates: CAPD/CCPD Patients*period prevalent patients, 1999, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis*

DIABETES	Male					Female					All				
	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All
0-19	128.3	97.7	79.1	86.2	124.9	138.4	105.3	76.2	79.9	110.1	137.7	105.3	77.6	83.1	110.3
20-29	125.2	97.8	83.6	87.3	117.0	137.1	106.3	80.9	81.7	127.4	132.8	102.7	80.9	81.7	123.6
30-39	149.5	116.5	105.9	106.1	143.6	159.9	129.7	102.8	98.8	150.5	154.0	124.3	104.1	102.4	146.8
40-49	200.9	155.4	144.2	140.6	189.7	217.0	177.0	143.3	130.0	202.6	207.8	166.7	143.6	135.7	195.6
50-59	292.7	232.9	220.4	198.5	273.5	316.7	229.3	214.7	192.6	279.7	303.0	230.9	217.0	196.0	276.4
60-64	383.6	291.3	317.1	280.6	358.2	386.6	312.8	304.9	252.9	356.5	385.1	303.8	309.3	265.2	357.3
65-69	421.6	324.5	357.7	305.2	398.7	441.7	344.6	357.2	290.9	407.0	430.7	336.9	357.4	298.6	402.8
70-79	517.3	425.7	501.5	407.0	500.6	626.4	464.7	488.3	384.1	571.2	564.5	449.1	493.8	392.8	534.1
80+	786.1	628.8	766.6	588.4	764.9	883.8	692.4	750.1	548.8	815.2	832.0	674.6	758.4	561.0	790.9
All	333.0	250.2	261.0	262.8	313.6	365.8	273.7	248.6	273.7	333.4	347.6	263.7	253.7	268.4	323.2
HYPERTENSION															
0-19	46.3	37.1	27.5	20.3	44.1	46.7	37.4	24.8	17.6	40.3	46.4	37.4	26.2	18.9	41.9
20-29	51.7	41.2	32.5	22.9	43.5	51.9	41.8	29.3	19.9	43.7	51.8	41.5	29.3	21.4	43.6
30-39	68.5	54.2	46.0	31.0	57.4	69.0	56.8	41.6	27.0	57.3	68.7	55.3	42.7	28.5	57.4
40-49	99.7	81.1	71.2	45.6	85.2	98.5	80.1	64.0	40.0	82.8	99.2	80.7	67.2	43.0	84.2
50-59	165.0	133.4	121.2	75.2	145.3	169.6	139.4	109.7	66.0	147.3	166.9	136.3	118.4	70.1	146.2
60-64	264.9	203.4	191.4	113.6	235.8	246.5	194.1	174.9	99.1	213.0	256.4	197.7	183.2	105.6	223.9
65-69	296.5	239.0	246.3	139.5	279.8	304.4	264.2	225.3	123.1	284.2	299.9	252.9	240.2	130.1	281.8
70-79	440.3	353.2	384.7	210.7	417.7	413.4	362.2	352.5	186.3	392.6	429.4	358.0	374.1	200.5	407.0
80+	626.6	569.7	656.4	341.6	610.3	680.7	617.9	598.4	304.0	651.4	647.7	595.1	623.1	323.9	626.9
All	328.5	137.0	179.4	133.9	248.0	316.7	158.1	118.5	106.2	236.1	323.6	147.1	149.2	119.8	242.7
GLOMERULONEPHRITIS															
0-19	36.6	29.2	26.9	22.5	33.4	36.1	29.1	23.7	19.1	32.7	36.3	29.1	24.4	21.0	33.0
20-29	41.3	33.0	31.7	25.5	36.9	40.8	32.6	27.9	21.5	36.2	41.0	32.8	29.2	23.5	36.5
30-39	55.0	43.9	44.7	34.4	49.9	54.2	43.9	39.3	29.2	47.8	54.6	43.9	39.6	31.8	48.7
40-49	78.8	64.4	68.4	50.6	72.5	78.5	63.3	60.6	42.6	69.2	78.7	63.8	64.5	45.7	70.8
50-59	121.0	104.0	117.6	83.2	115.3	128.0	102.1	104.0	70.9	116.6	124.1	102.9	111.2	76.7	115.9
60-64	190.9	153.1	184.3	125.0	183.9	185.2	157.2	165.4	107.1	173.9	188.7	155.9	182.8	116.5	179.4
65-69	235.1	189.9	237.1	153.5	225.5	223.6	189.5	211.2	132.7	215.0	230.0	189.7	211.3	148.4	220.7
70-79	334.5	274.1	368.2	227.6	327.2	340.1	271.3	326.5	195.4	325.5	336.5	272.7	345.2	213.0	326.6
80+	542.7	446.6	627.7	374.1	534.0	538.9	447.1	561.9	320.3	527.9	541.2	446.8	585.3	344.2	531.6
All	168.1	80.6	113.9	78.3	143.2	143.7	76.6	73.0	59.3	116.0	157.1	78.3	87.6	68.4	129.8
OTHER															
0-19	55.4	56.2	30.9	43.9	55.3	56.9	57.2	27.7	38.7	56.2	56.0	56.7	29.0	41.1	55.7
20-29	59.5	59.8	34.7	47.3	58.9	60.4	62.1	31.2	40.9	59.4	60.1	61.2	31.9	42.9	59.2
30-39	76.5	78.6	46.8	61.4	76.3	76.6	79.0	42.1	53.0	76.0	76.5	78.9	43.9	55.7	76.1
40-49	103.5	107.4	68.3	86.2	103.3	103.3	107.6	61.4	74.2	102.5	103.4	107.5	63.9	79.5	102.8
50-59	159.6	163.7	111.6	134.1	159.2	158.1	158.3	100.6	115.5	156.6	158.7	160.3	107.8	122.3	157.7
60-64	238.0	239.4	168.2	191.8	236.1	227.2	240.8	153.7	167.9	227.7	231.9	240.3	163.3	178.4	231.3
65-69	254.2	272.5	205.4	226.4	255.8	261.0	281.1	185.9	198.8	259.9	257.7	276.7	185.9	210.2	257.9
70-79	364.9	381.4	306.2	323.3	364.5	388.6	400.1	274.5	280.1	383.4	375.3	391.0	277.9	302.7	373.1
80+	558.2	595.4	489.5	496.7	556.3	579.4	607.3	451.9	439.5	578.3	567.0	601.7	485.0	480.2	565.4
All	194.1	133.8	117.9	152.8	178.7	178.6	128.9	96.8	110.2	161.5	185.9	130.9	104.8	127.8	169.2
ALL															
0-19	50.8	47.7	30.1	33.5	49.4	50.2	45.4	26.1	31.4	47.8	50.5	46.4	27.5	32.4	48.6
20-29	60.1	48.1	32.3	30.5	53.7	65.1	51.7	36.2	30.8	57.9	63.0	50.1	35.4	30.7	56.1
30-39	101.1	66.6	74.9	45.8	87.5	98.9	72.1	53.9	41.2	84.4	100.0	69.7	59.3	43.1	85.9
40-49	140.6	97.8	98.6	75.3	122.5	139.9	103.5	94.9	62.1	121.2	140.3	100.7	96.5	68.0	121.9
50-59	218.2	170.1	178.7	141.6	200.9	220.4	174.4	193.0	119.1	200.1	219.2	172.4	186.1	130.2	200.5
60-64	306.1	246.6	266.5	200.9	288.2	302.8	248.9	284.4	182.0	280.1	304.5	248.0	276.7	190.6	284.0
65-69	331.7	278.9	335.6	234.2	319.3	339.3	300.9	288.4	217.1	324.8	335.2	291.7	310.5	226.1	322.0
70-79	431.1	377.6	450.0	286.7	419.5	468.6	406.3	419.1	289.2	447.5	446.6	393.6	432.1	288.0	431.8
80+	623.6	563.8	543.1	424.4	611.5	678.6	632.1	566.0	419.1	657.6	646.1	601.9	551.5	421.6	631.1
All	269.0	157.9	202.8	160.1	236.6	261.8	170.7	173.5	140.8	226.2	265.7	165.0	185.6	149.9	231.5



Table H.6

Annual Death Rates: Transplant Patients

period prevalent patients, 1999, per 1,000 patient years at risk, adjusted for age on January 1, gender, race, & primary diagnosis

DIABETES	Male					Female					All				
	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All	White	Black	N Am	Asian	All
0-19	20.1	27.7	14.2	13.3	22.0	24.8	34.4	16.5	13.4	24.8	22.2	27.7	15.3	13.4	23.1
20-29	19.6	24.6	14.4	13.7	20.4	23.0	29.2	16.0	13.2	24.4	21.3	27.5	16.0	13.4	22.5
30-39	27.2	31.3	20.7	19.7	27.4	30.8	34.4	22.0	18.2	31.0	28.8	32.9	21.3	18.8	29.1
40-49	45.1	47.4	35.1	33.9	45.0	48.1	52.8	35.3	30.0	48.1	46.3	49.4	35.2	32.5	46.2
50-59	72.5	69.9	61.5	59.1	71.4	81.5	72.0	60.1	51.4	77.9	75.5	70.8	60.9	56.7	73.7
60-64	97.9	91.7	85.8	83.6	95.5	94.9	83.6	78.9	67.5	89.8	96.8	88.2	82.7	76.2	93.2
65-69	120.9	98.8	108.9	109.9	115.1	120.0	98.4	99.3	84.6	112.0	120.5	98.6	105.2	100.3	114.0
70-79	184.7	132.3	164.2	165.7	174.3	159.3	122.0	141.3	122.5	146.5	178.3	128.1	154.0	156.8	166.4
80+	187.7	125.8	179.4	181.8	187.7	162.7	109.7	146.5	128.7	136.9	187.7	117.8	163.0	155.2	187.6
All	57.4	64.7	65.1	61.8	58.6	55.9	63.3	58.6	47.0	57.0	56.8	64.1	62.2	56.0	58.0
HYPERTENSION															
0-19	5.9	11.7	3.8	5.2	7.5	5.8	11.6	3.5	4.2	6.5	5.8	11.7	3.7	4.2	7.0
20-29	6.6	12.3	4.5	6.2	9.3	6.3	11.6	4.0	4.7	8.3	6.5	12.1	4.2	5.7	9.0
30-39	10.2	17.1	7.4	10.3	13.1	9.7	15.9	6.3	7.5	12.1	10.0	16.8	6.9	9.2	12.8
40-49	19.4	29.4	14.5	20.1	24.3	17.0	26.5	11.8	14.3	21.1	18.6	28.5	13.5	17.8	23.3
50-59	39.5	54.9	29.4	41.3	46.7	31.9	46.3	23.0	28.1	37.1	36.7	52.3	27.5	34.5	43.4
60-64	63.1	77.6	47.2	68.3	68.5	49.0	59.7	35.2	43.3	52.8	58.3	70.7	40.8	57.7	62.8
65-69	90.3	102.1	71.2	101.9	94.1	64.2	75.6	50.4	62.5	68.1	81.5	90.8	57.4	85.5	84.5
70-79	132.2	157.1	122.6	176.9	138.3	104.7	111.7	83.6	104.7	106.6	124.4	139.0	103.1	159.7	128.6
80+	172.5	168.3	153.7	224.3	174.3	122.7	118.4	100.5	128.2	123.2	160.5	168.3	127.1	194.1	163.8
All	45.2	46.1	23.7	42.6	45.3	34.6	40.9	19.5	26.5	36.5	41.7	44.4	22.0	35.7	42.3
GLOMERULONEPHRITIS															
0-19	6.2	9.4	4.3	4.3	6.8	5.3	8.3	3.6	3.1	5.7	5.8	8.9	3.9	3.5	6.3
20-29	6.8	9.5	4.9	5.0	7.3	5.7	8.0	3.9	3.5	6.1	6.3	9.0	4.5	4.4	6.8
30-39	10.5	12.8	8.0	8.1	10.7	8.3	10.9	6.1	5.4	8.5	9.6	12.0	7.1	6.9	9.9
40-49	18.9	21.7	15.1	15.9	19.1	14.6	17.5	11.1	10.0	14.6	17.4	20.0	13.3	13.0	17.4
50-59	36.4	38.6	30.2	31.5	36.4	27.1	28.9	21.2	19.1	26.6	33.3	34.8	26.2	25.3	32.9
60-64	56.5	54.8	47.5	49.2	55.8	38.5	39.5	31.7	29.1	37.8	50.4	48.5	40.8	41.0	49.5
65-69	75.1	68.8	68.9	72.7	74.4	55.3	47.6	44.3	41.1	53.7	68.1	59.1	60.1	64.1	66.9
70-79	128.8	102.4	116.6	126.5	127.2	87.1	66.8	72.4	67.3	84.0	115.8	86.0	93.6	105.5	113.1
80+	150.0	111.2	143.3	155.6	149.6	94.0	69.9	84.5	79.5	90.9	134.6	70.0	143.3	117.5	132.5
All	29.4	23.7	22.2	23.1	28.1	19.9	18.8	14.6	12.8	19.1	25.9	21.8	18.9	18.3	24.7
OTHER															
0-19	6.2	12.5	4.3	4.2	7.3	6.8	13.2	4.3	3.6	7.6	6.4	12.7	4.3	3.9	7.4
20-29	6.6	12.5	4.9	4.7	7.4	6.9	12.9	4.7	3.9	7.7	6.8	12.7	4.8	4.3	7.6
30-39	10.8	17.5	7.7	7.6	11.6	10.4	17.7	7.1	6.0	11.4	10.6	17.6	7.4	6.8	11.5
40-49	19.0	27.7	14.5	14.2	20.1	17.8	27.0	12.8	10.8	19.1	18.5	27.3	13.7	12.2	19.6
50-59	37.3	50.2	28.6	28.6	38.7	30.5	43.4	23.8	20.2	31.7	34.2	47.1	26.4	23.8	35.5
60-64	53.5	66.0	43.7	44.1	55.0	44.7	57.7	34.9	30.8	45.7	49.5	62.7	38.4	38.4	50.8
65-69	73.2	85.9	62.7	63.8	74.5	58.5	67.5	48.4	42.1	59.0	66.3	77.7	58.4	51.7	67.3
70-79	112.8	126.1	105.3	107.8	114.0	91.4	96.6	76.1	67.6	91.1	102.9	113.1	90.6	82.1	103.3
80+	132.9	130.5	125.6	129.4	132.5	101.5	97.6	88.0	79.2	101.0	119.8	111.7	106.8	129.3	119.2
All	28.4	35.2	19.7	20.7	29.0	25.2	31.3	17.5	15.3	25.6	26.9	33.4	18.8	17.8	27.5
ALL															
0-19	6.2	11.9	4.3	4.2	7.2	6.5	11.7	4.1	3.4	7.1	6.3	11.8	4.2	3.8	7.2
20-29	7.4	11.8	4.9	5.0	8.2	7.8	12.6	4.8	3.9	8.5	7.6	12.1	4.8	4.6	8.3
30-39	14.7	17.6	9.8	8.9	14.9	15.3	18.5	9.5	6.9	15.5	14.9	18.0	9.7	7.9	15.2
40-49	26.6	29.8	19.1	18.5	26.8	25.8	28.2	18.0	12.4	25.5	26.3	29.1	18.6	15.5	26.3
50-59	45.9	54.3	44.9	37.7	47.2	39.7	48.8	40.0	24.1	40.6	43.5	52.2	42.9	30.9	44.6
60-64	64.3	75.2	64.2	58.5	66.2	52.8	63.2	51.3	41.3	54.3	59.8	70.3	57.8	51.1	61.4
65-69	84.5	92.7	85.2	84.5	85.9	66.8	74.8	72.0	53.2	67.9	77.4	84.9	80.3	71.1	78.5
70-79	129.8	137.0	133.3	144.0	131.1	97.1	102.7	99.4	76.6	97.2	117.6	122.6	116.9	117.6	118.2
80+	148.0	152.1	143.4	161.0	148.8	102.8	92.1	104.9	128.0	101.8	132.7	127.1	143.2	156.6	132.9
All	36.6	40.8	34.4	30.4	37.1	31.0	36.5	29.2	18.7	31.5	34.4	39.0	32.1	24.8	34.8



Table H.7

Standardized Mortality Ratios: by State*based on 1999 rates, & adjusted for age on January 1, race, gender, & diabetic status*

	1997-1999	1997	1998	1999
Alabama	1.04	0.99	1.02	1.10
Alaska	1.15	0.89	1.36	1.35
Arizona	0.94	0.89	0.95	0.97
Arkansas	1.18	1.17	1.18	1.19
California	0.99	0.97	0.97	1.02
Colorado	0.88	0.83	0.89	0.90
Connecticut	0.90	0.87	0.91	0.91
Delaware	0.93	0.81	0.96	1.02
District of Columbia	1.08	1.08	1.18	1.00
Florida	1.03	1.01	1.03	1.05
Georgia	0.99	0.97	0.97	1.04
Hawaii	1.10	1.00	1.08	1.19
Idaho	0.89	0.89	1.05	0.75
Illinois	1.03	1.03	1.01	1.05
Indiana	0.99	0.96	0.99	1.00
Iowa	0.96	0.97	0.94	0.98
Kansas	0.97	0.93	1.02	0.96
Kentucky	1.15	1.11	1.13	1.21
Louisiana	1.10	1.02	1.12	1.14
Maine	0.85	0.88	0.81	0.85
Maryland	1.07	1.05	1.11	1.06
Massachusetts	0.94	0.92	0.91	1.00
Michigan	1.05	1.05	0.98	1.11
Minnesota	0.85	0.78	0.91	0.86
Mississippi	0.98	0.92	0.99	1.02
Missouri	1.02	1.01	1.01	1.03
Montana	0.83	0.70	0.94	0.83
Nebraska	1.01	0.96	0.98	1.07
Nevada	1.14	1.07	1.14	1.20
New Hampshire	1.02	0.93	1.08	1.04
New Jersey	1.05	1.07	1.03	1.05
New Mexico	0.82	0.83	0.75	0.88
New York	0.99	1.03	0.97	0.98
North Carolina	1.03	0.97	1.03	1.09
North Dakota	0.96	0.97	0.95	0.96
Ohio	1.05	1.06	1.01	1.07
Oklahoma	1.13	1.08	1.16	1.13
Oregon	1.03	1.02	0.96	1.10
Pennsylvania	1.02	1.00	1.00	1.05
Rhode Island	0.96	0.95	0.94	1.00
South Carolina	1.05	1.02	1.07	1.05
South Dakota	0.90	0.88	0.89	0.92
Tennessee	1.09	1.10	1.05	1.12
Texas	0.90	0.90	0.90	0.90
Utah	1.02	0.95	0.98	1.11
Vermont	0.74	0.70	0.73	0.76
Virginia	0.99	0.99	0.95	1.02
Washington	0.97	0.95	0.93	1.03
West Virginia	1.12	1.11	1.14	1.12
Wisconsin	0.94	0.92	0.98	0.94
Wyoming	0.86	0.90	0.91	0.78
American Samoa	.	.	.	.
Guam	1.25	1.35	1.46	0.98
Northern Marianas	0.95	1.74	0.51	0.88
Puerto Rico	1.53	1.36	1.56	1.65

"." Zero patients in this cell.



Table H.8
Death Rates by Primary Cause of Death: ESRD Patients
period prevalent patients, 1997-1999, rates per 1,000 patient years at risk

	0-19		20-44				45-64					
	All	Male	Female	White	Black	All	Male	Female	White	Black	All	
Acute MI.	0.2	3.6	2.9	3.4	3.2	3.3	13.4	12.7	14.0	12.0	13.1	
Hyperkalemia	0.3	1.4	1.3	1.3	1.4	1.3	1.6	2.0	2.1	1.3	1.8	
Pericarditis	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	
Atherosclerotic HD	0.1	0.6	0.7	0.8	0.4	0.6	3.3	3.4	4.0	2.6	3.4	
Cardiomyopathy	0.5	1.2	1.0	0.9	1.6	1.1	4.6	3.6	4.7	3.6	4.1	
Cardiac arrhythmia	0.7	2.5	2.4	2.3	2.9	2.5	7.2	7.4	7.8	6.8	7.3	
Cardiac arrest	3.0	10.1	11.5	9.0	14.5	10.7	26.5	28.8	26.6	29.6	27.5	
Valvular HD	0.1	0.3	0.4	0.3	0.5	0.4	0.6	0.8	0.7	0.8	0.7	
Pulmonary edema	0.3	0.5	0.4	0.4	0.6	0.5	0.9	1.1	1.1	0.9	1.0	
AIDS	0.1	2.6	1.6	0.3	5.8	2.2	0.8	0.3	0.1	1.3	0.5	
Cachexia	.	0.3	0.3	0.4	0.2	0.3	0.9	1.0	1.1	0.7	0.9	
Cerebrovascular disease	1.4	2.8	3.9	2.9	4.1	3.3	6.3	9.5	6.9	8.9	7.7	
G.I. hemorrhage	0.3	0.4	0.5	0.4	0.6	0.4	1.0	1.0	1.0	1.2	1.0	
Other hemorrhage	0.5	0.7	0.9	0.7	1.0	0.8	1.2	1.3	1.1	1.5	1.2	
Septicemia	1.7	5.5	7.7	5.3	8.7	6.4	14.4	19.8	15.8	18.8	16.8	
Pulmonary infection	0.2	1.2	1.0	1.0	1.5	1.1	2.4	2.2	2.6	1.9	2.3	
Viral infection	0.2	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.2	
Other infection	0.4	0.4	0.4	0.4	0.5	0.4	0.7	1.1	1.0	0.8	0.9	
Malignant disease	0.5	1.2	1.0	1.3	1.0	1.1	5.2	4.8	5.3	4.9	5.0	
Other	6.4	14.2	14.3	14.1	15.5	14.2	30.6	30.7	34.5	26.5	30.6	
Unknown	1.5	5.1	5.1	3.9	7.6	5.1	10.0	9.7	9.1	11.4	9.9	
All	18.5	55.0	57.6	49.2	72.2	56.1	132.1	141.6	139.8	135.8	136.3	
Years at risk	18,224	137,895	100,255	141,661	78,923	238,150	204,892	161,889	205,464	132,579	366,781	
Total Patients	20,173	152,946	111,300	155,061	89,699	264,246	241,016	193,100	244,007	156,355	434,116	

	65+					All						
	Male	Female	White	Black	All	Male	Female	White	Black	N Am	Asian	All
Acute MI.	31.1	26.7	31.6	23.3	28.9	15.7	15.1	17.1	12.8	13.5	13.7	15.4
Hyperkalemia	5.3	5.7	7.1	2.5	5.5	2.6	3.1	3.6	1.7	2.3	2.3	2.8
Pericarditis	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.5	0.1	0.2
Atherosclerotic HD	14.7	13.5	16.8	9.3	14.1	5.9	6.3	7.5	3.9	4.0	4.3	6.1
Cardiomyopathy	18.1	12.1	18.3	9.2	15.1	7.6	6.0	8.3	4.7	4.2	5.4	6.8
Cardiac arrhythmia	19.2	16.6	19.9	14.2	17.9	9.3	9.4	10.4	7.8	8.6	7.3	9.3
Cardiac arrest	70.6	69.5	71.6	67.8	70.0	34.5	38.8	37.1	36.4	34.9	32.5	36.5
Valvular HD	1.9	2.3	2.4	1.5	2.1	0.9	1.2	1.2	1.0	0.5	0.5	1.1
Pulmonary edema	3.1	3.3	3.9	1.9	3.2	1.4	1.7	1.8	1.1	1.9	1.2	1.6
AIDS	0.1	<0.05	<0.05	0.2	0.1	1.1	0.5	0.1	2.1	0.3	0.1	0.8
Cachexia	3.9	4.7	5.1	2.8	4.3	1.6	2.1	2.3	1.2	1.4	1.2	1.8
Cerebrovascular disease	15.3	21.6	18.5	18.2	18.5	7.9	12.4	9.8	10.3	10.3	9.4	9.9
G.I. hemorrhage	2.9	2.9	2.9	2.9	2.9	1.4	1.6	1.4	1.5	1.3	1.6	1.5
Other hemorrhage	2.6	2.9	2.9	2.5	2.8	1.4	1.8	1.6	1.6	1.3	1.7	1.6
Septicemia	31.8	37.9	33.9	37.0	34.9	16.8	23.1	19.1	21.2	19.3	14.7	19.7
Pulmonary infection	11.3	7.8	10.5	6.7	9.5	4.6	3.9	4.8	3.2	5.2	5.5	4.3
Viral infection	0.4	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.3	.	0.3	0.3
Other infection	1.3	1.7	1.6	1.5	1.5	0.8	1.1	1.0	0.9	0.5	0.8	0.9
Malignant disease	15.6	10.2	13.7	12.6	12.9	7.1	5.8	7.1	6.1	3.5	3.4	6.5
Other	73.8	72.0	83.3	54.4	72.9	38.3	41.1	45.5	31.5	30.7	27.4	39.6
Unknown	22.0	23.5	23.0	23.6	22.7	12.0	13.4	12.4	13.8	15.2	5.8	12.6
All	345.3	335.5	367.6	292.8	340.4	171.4	188.7	192.7	163.3	159.4	139.2	179.3
Years at risk	148,235	150,023	191,064	88,173	298,259	501,796	419,618	550,631	303,808	14,490	33,964	921,414
Total Patients	200,778	201,131	264,125	113,053	401,909	606,532	513,912	676,800	363,805	17,152	40,289	1,120,444

." Zero patients in this cell.

Table H.9

Death Rates by Primary Cause of Death: Dialysis Patients

period prevalent patients, 1997-1999, rates per 1,000 patient years at risk

	0-19	20-44				45-64					
	ALL	Male	Female	White	Black	All	Male	Female	White	Black	All
Acute MI.	0.7	6.0	5.0	7.4	4.2	5.6	18.9	16.9	22.1	13.9	17.9
Hyperkalemia	0.7	2.7	2.4	3.4	1.9	2.6	2.4	2.7	3.5	1.5	2.6
Pericarditis	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
Atherosclerotic HD	0.2	1.1	1.2	1.9	0.6	1.2	4.8	4.7	6.6	3.0	4.7
Cardiomyopathy	1.4	2.3	2.0	2.3	2.2	2.1	6.8	4.8	7.7	4.2	5.9
Cardiac arrhythmia	1.6	4.6	4.3	5.4	3.8	4.5	10.6	10.0	13.0	7.9	10.3
Cardiac arrest	8.0	18.7	21.1	21.6	19.0	19.7	39.2	39.0	43.8	34.8	39.1
Valvular HD	0.3	0.6	0.8	0.8	0.7	0.7	0.9	1.1	1.1	1.0	1.0
Pulmonary edema	0.7	0.9	0.8	0.8	0.8	0.8	1.4	1.5	1.8	1.1	1.4
AIDS	0.3	5.1	3.2	0.9	7.9	4.3	1.2	0.4	0.2	1.6	0.8
Cachexia	.	0.5	0.5	0.8	0.2	0.5	1.3	1.4	1.8	0.9	1.3
Cerebrovascular disease	2.6	4.9	7.0	6.4	5.4	5.8	9.1	12.7	11.1	10.4	10.8
G.I. hemorrhage	0.9	0.8	0.8	0.8	0.8	0.8	1.5	1.4	1.5	1.4	1.5
Other hemorrhage	1.2	1.2	1.6	1.3	1.4	1.3	1.6	1.6	1.6	1.7	1.6
Septicemia	4.2	9.9	13.9	12.5	11.3	11.6	20.9	26.5	25.5	21.9	23.5
Pulmonary infection	0.5	1.9	1.4	1.7	1.8	1.7	3.2	2.7	3.7	2.0	2.9
Viral infection	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.3
Other infection	0.9	0.6	0.7	0.9	0.6	0.7	0.9	1.4	1.5	0.9	1.2
Malignant disease	1.0	1.7	1.5	2.3	1.2	1.6	6.5	6.0	7.4	5.5	6.3
Other	11.3	18.6	18.5	20.9	17.2	18.6	31.6	33.6	40.5	25.5	32.5
Unknown	2.8	9.2	9.0	8.7	9.8	9.1	14.0	12.8	14.0	13.2	13.4
All	40.0	91.9	96.3	101.5	91.1	93.7	177.3	181.7	209.0	152.7	179.3
Years at risk	5,751	69,602	50,762	52,949	58,039	120,364	133,409	115,499	118,893	109,922	248,908
Total Patients	7,961	87,109	63,408	68,698	70,163	150,517	171,054	147,797	158,798	134,659	318,851

	65+	All				All						
	Male	Female	White	Black	All	Male	Female	White	Black	N Am	Asian	All
Acute MI.	33.7	28.1	34.4	24.1	30.9	21.9	19.9	25.8	15.0	16.5	19.2	21.0
Hyperkalemia	5.9	6.0	7.8	2.6	5.9	3.8	4.1	5.6	2.0	2.9	3.2	4.0
Pericarditis	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.2	0.3
Atherosclerotic HD	16.1	14.3	18.4	9.6	15.2	8.5	8.4	11.7	4.6	5.0	6.1	8.5
Cardiomyopathy	19.9	12.8	20.0	9.6	16.2	11.0	8.0	13.0	5.5	5.4	7.7	9.5
Cardiac arrhythmia	21.0	17.6	21.9	14.7	19.3	13.4	12.5	16.2	9.2	10.8	10.3	13.0
Cardiac arrest	77.1	73.5	78.2	70.2	75.2	49.7	51.5	57.2	42.8	44.1	45.3	50.6
Valvular HD	2.1	2.4	2.7	1.6	2.2	1.3	1.6	1.8	1.1	0.6	0.8	1.5
Pulmonary edema	3.4	3.5	4.2	1.9	3.4	2.1	2.3	2.8	1.3	2.5	1.6	2.2
AIDS	0.1	<0.05	<0.05	0.2	0.1	1.6	0.7	0.2	2.5	0.4	0.1	1.1
Cachexia	4.3	5.0	5.6	2.9	4.6	2.3	2.9	3.5	1.4	1.8	1.8	2.6
Cerebrovascular disease	16.6	22.7	20.1	18.8	19.8	11.1	16.3	14.8	12.0	13.0	12.9	13.6
G.I. hemorrhage	3.1	3.1	3.1	3.0	3.1	2.0	2.1	2.2	1.8	1.7	2.2	2.0
Other hemorrhage	2.8	3.1	3.1	2.5	2.9	2.0	2.3	2.3	1.9	1.4	2.3	2.1
Septicemia	34.5	39.9	36.8	38.3	37.3	23.9	30.4	29.0	24.8	23.9	20.4	27.0
Pulmonary infection	12.2	8.1	11.3	6.9	10.1	6.5	4.9	7.2	3.6	6.1	7.7	5.7
Viral infection	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	.	0.3	0.3
Other infection	1.4	1.8	1.7	1.5	1.6	1.1	1.5	1.5	1.0	0.5	1.0	1.3
Malignant disease	16.6	10.6	14.5	12.9	13.6	9.5	7.3	10.1	7.0	4.1	4.4	8.5
Other	74.8	73.3	85.8	54.1	74.0	45.8	49.0	59.8	33.0	35.0	31.6	47.3
Unknown	23.7	24.7	24.9	24.3	24.2	16.7	17.5	18.5	16.0	18.4	7.8	17.1
All	369.9	351.1	395.2	300.5	360.3	234.6	243.7	283.8	187.0	194.6	186.8	239.0
Years at risk	134,639	141,252	173,499	84,762	275,891	340,737	310,177	348,474	254,664	11,329	23,909	650,915
Total Patients	187,081	192,278	246,380	109,648	379,359	449,476	407,212	478,295	317,077	14,105	30,628	856,688

." Zero patients in this cell.



Table H.10
Death Rates by Primary Cause of Death: Hemodialysis Patients

period prevalent patients, 1997-1999, rates per 1,000 patient years at risk

	0-19		20-44				45-64					
	ALL	Male	Female	White	Black	All	Male	Female	White	Black	All	
Acute MI.	0.7	5.7	5.2	7.5	4.2	5.5	17.9	16.3	21.2	13.6	17.2	
Hyperkalemia	1.0	2.8	2.8	3.7	2.0	2.8	2.5	2.8	3.7	1.6	2.6	
Pericarditis	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	
Atherosclerotic HD	0.3	1.0	1.2	1.8	0.5	1.1	4.5	4.5	6.3	3.0	4.5	
Cardiomyopathy	2.0	2.2	2.0	2.2	2.1	2.1	6.2	4.6	7.1	4.2	5.5	
Cardiac arrhythmia	2.3	4.7	4.6	5.8	3.9	4.7	10.4	9.7	12.8	7.7	10.1	
Cardiac arrest	6.9	18.8	22.5	22.6	19.3	20.3	38.6	39.1	44.0	34.3	38.8	
Valvular HD	0.3	0.6	0.8	0.8	0.6	0.7	1.0	1.1	1.2	1.0	1.0	
Pulmonary edema	1.0	0.9	0.9	0.9	0.8	0.9	1.4	1.5	1.8	1.1	1.5	
AIDS	0.7	5.4	3.8	1.0	8.3	4.8	1.2	0.4	0.2	1.6	0.9	
Cachexia	.	0.4	0.5	0.7	0.3	0.4	1.2	1.3	1.6	0.9	1.2	
Cerebrovascular disease	3.3	5.0	7.1	6.6	5.3	5.8	9.1	12.5	10.9	10.2	10.7	
G.I. hemorrhage	0.7	0.7	0.8	0.9	0.7	0.8	1.5	1.4	1.6	1.4	1.4	
Other hemorrhage	1.3	1.2	1.6	1.3	1.4	1.4	1.6	1.7	1.6	1.7	1.7	
Septicemia	3.9	9.4	13.1	11.2	11.0	10.9	19.7	24.9	23.7	21.1	22.1	
Pulmonary infection	0.7	1.9	1.4	1.6	1.8	1.7	3.2	2.6	3.7	2.1	2.9	
Viral infection	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.3	0.2	0.3	
Other infection	0.7	0.6	0.7	1.0	0.5	0.7	0.8	1.3	1.4	0.8	1.1	
Malignant disease	1.0	1.7	1.7	2.5	1.2	1.7	6.9	6.2	7.9	5.7	6.6	
Other	10.8	18.8	19.2	22.1	17.4	19.0	31.0	33.1	40.7	25.0	32.0	
Unknown	1.6	9.6	9.7	9.2	10.3	9.6	14.0	13.0	14.2	13.1	13.5	
All	39.7	92.2	100.1	104.1	92.3	95.4	173.1	178.9	206.3	150.5	175.8	
Years at risk	3,047	58,216	38,890	39,834	50,030	97,106	115,099	97,800	97,106	98,911	212,899	
Total Patients	4,256	72,780	48,717	51,733	60,684	121,497	147,170	125,028	129,728	121,135	272,198	

	65+					All						
	Male	Female	White	Black	All	Male	Female	White	Black	N Am	Asian	All
Acute MI.	32.9	27.7	33.6	23.9	30.2	21.5	20.1	25.8	15.1	15.5	20.2	20.9
Hyperkalemia	6.0	6.1	8.0	2.7	6.1	4.0	4.4	6.0	2.1	2.8	3.6	4.2
Pericarditis	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	<0.05	0.3
Atherosclerotic HD	15.5	13.8	17.8	9.4	14.6	8.3	8.5	11.7	4.7	5.0	6.4	8.4
Cardiomyopathy	18.3	12.1	18.5	9.2	15.1	10.3	7.8	12.4	5.5	5.1	8.1	9.1
Cardiac arrhythmia	20.7	17.4	21.7	14.5	19.0	13.4	12.6	16.5	9.2	10.6	10.9	13.0
Cardiac arrest	77.1	72.9	78.3	69.6	75.0	50.3	52.9	59.0	43.2	46.0	47.8	51.5
Valvular HD	2.0	2.4	2.7	1.6	2.2	1.3	1.7	1.9	1.1	0.7	0.8	1.5
Pulmonary edema	3.4	3.4	4.2	1.9	3.4	2.1	2.3	2.9	1.3	2.7	1.6	2.2
AIDS	0.1	0.1	<0.05	0.2	0.1	1.6	0.7	0.2	2.6	0.4	0.1	1.2
Cachexia	4.1	4.6	5.4	2.8	4.3	2.2	2.8	3.5	1.4	1.7	1.5	2.5
Cerebrovascular disease	16.5	22.2	19.7	18.8	19.4	11.2	16.4	14.9	12.1	13.4	13.8	13.7
G.I. hemorrhage	3.1	3.0	3.1	3.1	3.1	2.0	2.1	2.3	1.8	1.7	2.0	2.1
Other hemorrhage	2.9	3.2	3.3	2.5	3.0	2.1	2.4	2.4	2.0	1.5	2.5	2.2
Septicemia	33.1	38.1	35.0	37.2	35.7	23.1	29.5	27.9	24.4	21.8	20.4	26.1
Pulmonary infection	12.0	8.1	11.3	6.8	10.0	6.5	5.1	7.4	3.6	6.6	7.9	5.8
Viral infection	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	.	0.3	0.3
Other infection	1.3	1.5	1.4	1.4	1.4	1.0	1.3	1.4	0.9	0.5	0.9	1.1
Malignant disease	17.2	10.7	15.0	13.0	13.9	10.0	7.7	10.9	7.2	4.1	4.8	8.9
Other	74.7	71.7	85.5	53.2	73.1	46.3	49.6	61.6	33.1	36.1	32.7	47.9
Unknown	24.0	24.8	25.1	24.5	24.4	17.1	18.2	19.2	16.4	19.5	8.5	17.6
All	365.4	344.2	390.3	296.7	354.4	235.0	246.7	288.4	188.3	196.1	194.8	240.6
Years at risk	120,872	129,427	153,893	80,474	250,298	295,855	267,495	292,294	230,643	10,006	20,210	563,350
Total Patients	167,768	175,655	218,490	103,842	343,423	390,017	351,357	402,021	287,341	12,474	26,016	741,374

." Zero patients in this cell.

Table H.11
Death Rates by Primary Cause of Death: CAPD/CCPD Patients

period prevalent patients, 1997-1999, rates per 1,000 patient years at risk

	0-19	20-44				45-64					
	ALL	Male	Female	White	Black	All	Male	Female	White	Black	All
Acute MI.	0.9	8.3	4.4	7.9	4.3	6.3	25.6	20.0	26.7	16.4	22.9
Hyperkalemia	0.5	2.4	1.2	2.3	1.3	1.8	1.9	2.3	2.9	0.5	2.1
Pericarditis	0.5	0.3	0.1	0.4	.	0.2	0.3	0.1	0.2	0.1	0.2
Atherosclerotic HD	.	1.9	1.7	2.6	0.7	1.8	7.0	6.0	8.0	3.9	6.5
Cardiomyopathy	0.9	3.4	2.2	2.8	2.7	2.8	10.9	6.6	11.4	5.4	8.8
Cardiac arrhythmia	0.9	4.4	3.4	4.8	3.0	3.9	13.1	11.8	14.3	9.7	12.5
Cardiac arrest	10.8	19.1	17.7	20.2	17.9	18.4	45.3	40.0	45.2	41.4	42.7
Valvular HD	0.5	0.6	0.6	0.6	0.7	0.6	0.9	1.1	1.1	1.1	1.0
Pulmonary edema	0.5	0.7	0.4	0.6	0.4	0.6	1.3	1.3	1.5	0.8	1.3
AIDS	.	3.9	1.3	0.7	5.9	2.5	0.9	0.2	0.2	1.4	0.6
Cachexia	.	1.0	0.7	1.5	.	0.9	1.9	2.2	2.7	0.7	2.0
Cerebrovascular disease	2.3	4.9	6.8	6.2	6.2	5.9	9.1	14.6	12.4	12.3	11.8
G.I. hemorrhage	1.4	1.4	0.7	0.6	1.7	1.0	1.8	1.5	1.4	2.1	1.6
Other hemorrhage	0.9	0.9	1.4	1.4	0.9	1.2	1.3	1.3	1.5	1.1	1.3
Septicemia	5.0	13.7	17.4	17.9	14.1	15.6	30.1	37.1	35.7	29.9	33.6
Pulmonary infection	0.5	2.0	1.7	2.2	1.4	1.8	3.3	2.7	3.4	1.7	3.0
Viral infection	0.5	0.1	0.1	0.2	.	0.1	0.3	0.2	0.3	.	0.3
Other infection	1.4	0.5	0.9	0.8	0.7	0.7	1.3	2.0	1.9	1.5	1.7
Malignant disease	1.4	1.4	1.0	1.4	1.0	1.2	4.3	4.1	4.8	3.6	4.2
Other	13.1	17.4	16.5	17.6	15.8	16.9	33.8	35.5	39.6	27.9	34.6
Unknown	3.6	7.8	6.7	7.9	6.9	7.2	14.3	11.7	13.6	13.7	13.0
All	45.2	96.1	86.6	100.7	85.7	91.2	208.9	202.4	228.7	175.0	205.7
Years at risk	2,214	9,544	10,287	11,090	6,969	19,832	15,911	15,669	19,418	9,501	31,580
Total Patients	3,108	12,174	12,813	14,571	8,271	24,987	20,887	20,206	26,056	11,682	41,093

	65+	All				All						
	Male	Female	White	Black	All	Male	Female	White	Black	N Am	Asian	All
Acute MI.	41.5	33.7	39.9	29.7	38.0	25.5	18.7	26.3	14.0	23.5	14.7	22.2
Hyperkalemia	4.9	3.6	5.0	1.2	4.3	2.9	2.3	3.5	0.9	4.2	0.9	2.6
Pericarditis	0.2	0.3	0.2	.	0.2	0.3	0.2	0.2	<0.05	0.8	0.9	0.2
Atherosclerotic HD	22.7	19.9	24.0	14.6	21.4	10.4	8.3	12.1	4.4	5.9	4.3	9.4
Cardiomyopathy	34.8	21.0	32.0	17.9	28.6	16.1	9.1	16.3	6.3	7.6	4.6	12.7
Cardiac arrhythmia	24.5	19.8	23.3	20.9	22.4	14.1	11.3	14.9	8.9	10.1	7.4	12.7
Cardiac arrest	76.9	78.7	77.7	83.1	77.7	47.3	43.3	49.8	39.2	32.8	30.7	45.4
Valvular HD	2.2	2.7	2.7	1.8	2.4	1.2	1.4	1.5	1.0	.	0.6	1.3
Pulmonary edema	2.7	4.8	4.0	2.4	3.7	1.6	1.9	2.1	1.0	.	1.8	1.7
AIDS	0.2	.	.	0.6	0.1	1.4	0.4	0.2	2.8	.	.	0.9
Cachexia	6.2	10.3	8.3	6.7	8.0	2.9	3.8	4.3	1.4	2.5	3.1	3.4
Cerebrovascular disease	18.3	29.6	24.3	20.0	23.4	10.7	16.0	14.9	11.1	8.4	7.4	13.3
G.I. hemorrhage	3.0	3.7	3.4	1.8	3.3	2.0	1.8	1.9	1.9	1.7	3.4	1.9
Other hemorrhage	1.5	2.2	1.7	2.4	1.8	1.3	1.5	1.5	1.2	0.8	1.5	1.4
Septicemia	46.7	61.3	51.4	59.7	53.3	30.4	37.1	36.2	28.6	38.7	21.8	33.7
Pulmonary infection	13.6	7.5	11.2	7.9	10.8	6.1	3.6	5.7	2.6	1.7	6.7	4.9
Viral infection	0.3	0.4	0.5	.	0.4	0.3	0.2	0.3	.	.	0.3	0.3
Other infection	2.1	5.4	3.5	3.6	3.6	1.4	2.6	2.2	1.6	0.8	1.5	2.0
Malignant disease	10.8	9.1	10.2	11.8	10.1	5.5	4.5	5.8	4.0	2.5	2.5	5.0
Other	71.2	86.1	83.8	59.1	77.9	40.6	43.0	49.2	28.4	26.9	25.2	41.7
Unknown	20.4	23.7	23.4	18.5	21.9	14.2	13.3	15.4	11.9	9.2	4.3	13.8
All	404.6	423.8	430.6	363.9	413.3	236.1	224.3	264.5	171.2	178.2	143.6	230.4
Years at risk	11,855	9,737	16,939	3,298	21,592	38,438	36,780	48,823	20,356	1,190	3,260	75,218
Total Patients	16,457	13,570	23,867	4,408	30,027	51,090	48,125	66,481	25,142	1,460	4,070	99,215

." Zero patients in this cell.



Table H.12
Death Rates by Primary Cause of Death: Transplant Patients
period prevalent patients, 1997-1999, rates per 1,000 patient years at risk

	0-19		20-44				45-64					All
	All	Male	Female	White	Black	All	Male	Female	White	Black		
Acute MI.	.	1.0	0.6	0.9	0.6	0.8	2.9	2.1	2.6	2.5	2.6	
Hyperkalemia	0.1	<0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	
Pericarditis	.	<0.05	<0.05	<0.05	.	<0.05	<0.05	0.1	<0.05	<0.05	0.1	
Atherosclerotic HD	.	0.1	0.1	0.1	0.1	0.1	0.5	0.3	0.4	0.5	0.4	
Cardiomyopathy	0.1	0.2	0.1	0.1	0.2	0.1	0.4	0.4	0.5	0.3	0.4	
Cardiac arrhythmia	0.3	0.4	0.3	0.4	0.5	0.4	0.7	0.8	0.6	1.1	0.7	
Cardiac arrest	0.6	1.3	1.6	1.4	1.7	1.4	2.9	3.0	2.8	3.6	2.9	
Valvular HD	.	0.1	<0.05	<0.05	0.2	0.1	<0.05	0.1	<0.05	0.1	<0.05	
Pulmonary edema	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.1	
AIDS	.	<0.05	.	<0.05	0.1	<0.05	.	.	.	.	.
Cachexia	.	<0.05	<0.05	0.1	.	<0.05	0.1	<0.05	0.1	.	0.1	
Cerebrovascular disease	0.7	0.5	0.8	0.7	0.5	0.6	1.2	1.3	1.2	1.5	1.3	
G.I. hemorrhage	.	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	
Other hemorrhage	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	
Septicemia	0.5	0.8	1.2	0.9	1.5	1.0	2.0	2.8	2.2	3.3	2.3	
Pulmonary infection	0.1	0.4	0.4	0.4	0.5	0.4	0.8	1.0	0.8	1.0	0.9	
Viral infection	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	
Other infection	0.2	0.1	0.1	<0.05	0.2	0.1	0.2	0.2	0.2	0.3	0.2	
Malignant disease	0.3	0.8	0.5	0.7	0.5	0.7	2.8	1.8	2.5	2.2	2.4	
Other	3.8	9.4	9.5	9.6	10.4	9.4	27.9	22.4	25.5	30.0	25.7	
Unknown	0.8	1.0	0.9	0.9	1.4	1.0	2.6	1.8	2.2	2.8	2.3	
All	7.8	16.5	16.9	16.9	18.6	16.7	45.7	39.1	42.6	50.2	43.1	
Years at risk	11,731	64,428	46,835	84,365	19,184	111,264	67,681	43,923	82,394	21,041	111,603	
Total Patients	12,212	65,837	47,892	86,363	19,536	113,729	69,962	45,303	85,209	21,696	115,265	

	65+					All						
	Male	Female	White	Black	All	Male	Female	White	Black	N Am	Asian	All
Acute MI.	4.6	2.8	4.0	3.7	3.9	2.1	1.4	1.9	1.7	2.4	0.7	1.8
Hyperkalemia	0.1	0.4	0.2	.	0.2	0.1	0.1	0.1	0.1	0.3	.	0.1
Pericarditis	0.1	.	.	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	0.3	.	<0.05
Atherosclerotic HD	0.9	0.9	1.0	0.9	0.9	0.3	0.3	0.3	0.3	0.3	.	0.3
Cardiomyopathy	0.8	1.1	1.1	0.3	0.9	0.3	0.3	0.3	0.2	.	0.1	0.3
Cardiac arrhythmia	0.9	0.6	0.7	0.9	0.8	0.6	0.6	0.5	0.8	1.0	0.2	0.6
Cardiac arrest	6.5	3.8	5.3	6.5	5.4	2.4	2.3	2.9	1.3	2.0	2.0	2.4
Valvular HD	.	0.5	0.1	0.6	0.2	<0.05	0.1	<0.05	0.2	.	.	0.1
Pulmonary edema	0.4	0.5	0.4	0.6	0.4	0.1	0.2	0.1	0.2	.	0.1	0.1
AIDS	.	.	.	.	.	<0.05	.	<0.05	<0.05	.	.	<0.05
Cachexia	0.1	0.2	0.1	0.3	0.1	0.1	0.1	0.1	<0.05	.	.	0.1
Cerebrovascular disease	2.1	3.1	2.6	2.8	2.5	0.9	1.2	1.1	1.2	0.7	0.8	1.1
G.I. hemorrhage	0.5	0.2	0.4	0.6	0.4	0.1	0.1	0.1	0.1	.	0.2	0.1
Other hemorrhage	0.6	0.6	0.6	0.9	0.6	0.3	0.2	0.2	0.3	0.7	0.2	0.3
Septicemia	4.5	5.4	4.9	5.6	4.9	1.7	2.2	1.7	2.6	2.7	0.8	1.9
Pulmonary infection	1.8	1.7	1.9	0.9	1.8	0.7	0.8	0.7	0.7	2.0	0.2	0.7
Viral infection	1.0	0.4	0.8	0.6	0.7	0.2	0.2	0.2	0.2	.	0.3	0.2
Other infection	0.7	0.6	0.7	.	0.7	0.2	0.2	0.2	0.2	0.3	0.3	0.2
Malignant disease	5.7	3.9	5.4	4.3	5.0	2.0	1.3	1.9	1.6	1.7	1.0	1.7
Other	63.3	50.4	58.5	62.5	58.2	21.9	18.0	20.4	22.9	14.1	16.7	20.4
Unknown	5.1	2.6	4.0	4.6	4.1	2.0	1.4	1.7	2.2	3.7	1.1	1.8
All	99.6	79.6	92.6	97.2	91.7	36.1	31.0	34.1	38.5	31.6	24.9	34.1
Years at risk	12,977	8,452	16,854	3,232	21,430	152,356	103,671	192,420	45,475	2,978	9,454	256,027
Total Patients	13,697	8,853	17,745	3,405	22,550	157,056	106,700	198,505	46,728	3,047	9,661	263,756

." Zero patients in this cell.

Table H.13

Death Rates: by Cause of Withdrawal

all period prevalent dialysis patients, 1997-1999, rates per 1,000 patient years at risk

	0-19	20-44				45-64					
	ALL	Male	Female	White	Black	All	Male	Female	White	Black	All
Withdraw, access failure	0.3	0.3	0.4	0.4	0.3	0.3	0.6	0.9	0.9	0.6	0.7
Withdraw, Transplant failure	.	<0.05	0.2	0.1	0.1	0.1	0.1	0.1	0.1	<0.05	0.1
Withdraw, failure to thrive	1.0	2.8	3.6	4.8	1.9	3.1	7.5	9.7	13.1	4.0	8.5
Withdraw, med. complication	2.1	4.0	5.8	6.3	3.5	4.8	8.8	11.8	14.3	6.3	10.2
Withdraw, other	1.6	1.8	2.0	2.5	1.4	1.9	3.8	4.3	6.0	2.1	4.0
Did not withdraw	31.1	75.0	77.6	79.7	76.4	76.1	141.7	141.4	157.7	127.9	141.6
Missing data	3.8	7.9	6.7	7.6	7.5	7.4	14.8	13.5	16.9	11.7	14.2
All	40.0	91.9	96.3	101.5	91.1	93.7	177.3	181.7	209.0	152.7	179.3
Years at risk	5,751	69,602	50,762	52,949	58,039	120,364	133,408	115,499	118,893	109,921	248,907
Total Patients	7,961	87,109	63,408	68,698	70,163	150,517	171,052	147,797	158,797	134,658	318,849

	65+				
	Male	Female	White	Black	All
Withdraw, access failure	1.5	2.7	2.4	1.6	2.1
Withdraw, Transplant failure	<0.05	0.1	<0.05	<0.05	<0.05
Withdraw, failure to thrive	33.3	34.5	43.4	17.4	33.9
Withdraw, med. complication	24.3	26.6	31.8	14.6	25.5
Withdraw, other	12.4	12.0	15.4	6.6	12.2
Did not withdraw	263.1	242.6	263.5	234.5	252.6
Missing data	35.3	32.6	38.7	25.8	33.9
All	369.8	351.1	395.2	300.5	360.3
Years at risk	134,639	141,252	173,499	84,762	275,891
Total Patients	187,080	192,278	246,379	109,648	379,358

	All								
	Male	Female	White	Black	N Am	Asian	DM	Non-DM	All
Withdraw, access failure	0.9	1.6	1.6	0.8	1.4	0.8	1.4	1.1	1.2
Withdraw, Transplant failure	<0.05	0.1	0.1	<0.05	.	.	0.1	0.1	0.1
Withdraw, failure to thrive	16.7	19.9	26.8	8.0	12.8	10.0	20.5	17.1	18.2
Withdraw, med. complication	13.9	17.5	21.7	8.4	13.9	9.5	18.4	14.1	15.6
Withdraw, other	6.8	7.4	10.1	3.5	6.9	3.2	7.8	6.7	7.1
Did not withdraw	175.0	176.2	197.4	150.9	149.0	148.3	209.5	154.7	175.6
Missing data	21.4	21.0	26.2	15.4	10.7	15.1	21.9	20.6	21.2
All	234.6	243.7	283.8	187.0	194.6	186.8	279.6	214.3	239.0
Years at risk	340,736	310,177	348,473	254,663	11,329	23,909	244,975	386,257	650,913
Total Patients	449,473	407,212	478,293	317,076	14,105	30,628	333,019	500,031	856,685

." Zero patients in this cell.



Table H.14

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

DIALYSIS	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-19	42.8	45.4	64.8	53.1	55.1	40.6	36.6	48.7	38.7	40.6
20-44	117.3	105.0	115.4	108.0	112.4	106.1	113.2	100.4	90.4	94.7
45-64	202.6	191.6	191.5	180.3	171.3	167.3	169.1	164.1	155.8	162.8
65-74	341.2	318.3	324.4	316.4	294.6	303.3	292.9	288.3	302.8	301.1
75+	481.1	462.4	470.0	472.1	453.0	437.4	448.7	449.3	462.9	459.9
Male	280.5	262.8	267.1	260.7	242.3	242.0	243.1	234.7	233.6	234.5
Female	269.1	254.5	261.1	251.1	246.2	240.4	239.9	238.3	242.9	246.2
White	321.7	304.8	312.0	301.0	285.7	277.4	273.8	270.0	275.4	275.8
Black	203.3	187.2	192.0	186.5	180.7	184.6	190.5	181.8	179.9	186.3
Other	175.9	162.7	151.4	161.9	136.2	159.5	171.4	174.8	162.1	161.7
Hispanic*								178.3	181.8	179.2
Non-Hispanic								243.2	252.9	256.2
Diabetes	295.6	286.7	280.5	271.6	244.2	246.8	248.3	244.1	246.6	254.1
Hypertension	298.4	273.9	287.0	283.8	271.9	268.8	254.8	256.4	262.3	264.6
Glomerulonephritis	163.0	153.5	167.7	148.0	136.9	147.7	142.8	130.0	135.0	125.8
Other	254.0	236.3	248.8	243.9	246.0	239.1	264.5	266.1	260.8	256.9
All	275.2	258.9	264.3	256.1	244.0	241.2	241.6	236.4	238.0	240.0
HEMODIALYSIS										
0-19	29.4	45.4	54.5	45.9	56.6	40.8	39.4	43.7	39.2	48.4
20-44	121.3	109.8	122.9	116.2	125.3	111.1	121.5	108.6	95.4	100.4
45-64	201.3	194.9	195.6	184.4	176.6	171.7	172.7	166.6	159.4	166.6
65-74	336.7	315.3	321.1	320.1	300.4	305.8	292.4	286.8	301.1	303.1
75+	474.9	456.5	467.6	470.9	446.9	432.1	449.3	446.7	455.5	457.4
Male	287.1	271.0	275.1	271.9	255.0	251.2	252.4	242.2	242.1	242.2
Female	272.4	261.2	269.8	261.9	256.3	249.6	250.0	247.2	248.9	257.8
White	332.2	318.6	326.6	318.3	302.4	292.1	288.7	281.2	287.4	288.8
Black	203.6	188.9	193.9	191.1	185.4	188.2	196.2	188.0	184.0	194.1
Other	186.3	172.3	167.1	177.0	161.7	173.4	176.7	187.4	169.3	172.9
Hispanic*								182.8	185.4	185.5
Non-Hispanic								251.6	258.2	263.9
Diabetes	295.9	290.5	283.6	276.4	248.4	246.7	251.6	245.1	247.7	258.1
Hypertension	296.3	275.4	291.2	289.3	276.5	273.9	259.7	260.5	269.0	268.7
Glomerulonephritis	179.5	166.2	180.8	163.2	152.8	163.4	157.8	140.1	148.2	139.8
Other	267.0	252.1	265.3	266.4	271.8	267.1	287.2	289.4	273.7	276.5
All	280.2	266.4	272.5	267.1	255.5	250.4	251.2	244.5	245.3	249.5

*Death rates for Hispanic and non-Hispanic groups are unadjusted.

Table H.14 (continued)

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

CAPD/CCPD	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0-19	60.1	54.9	84.2	57.8	56.8	31.9	38.9	56.9	37.4	29.5
20-44	108.3	90.2	93.3	85.7	88.1	92.8	78.5	70.0	61.1	65.7
45-64	214.7	178.1	175.5	175.3	168.2	159.5	150.9	157.3	127.9	139.7
65-74	360.6	321.8	344.2	314.0	295.0	299.7	307.0	290.3	286.7	273.9
75+	530.1	510.2	495.0	496.3	526.7	513.0	455.8	469.4	498.1	501.4
Male	247.9	219.2	228.7	217.5	202.8	207.8	198.8	198.7	166.3	188.2
Female	252.4	215.3	217.3	208.1	216.3	206.1	189.9	189.0	198.3	177.8
White	275.0	239.8	249.3	238.7	234.6	221.7	216.1	216.9	204.6	212.1
Black	187.8	163.4	168.2	152.3	152.8	180.2	152.0	139.1	121.6	115.6
Other	151.6	148.0	93.4	126.7	83.3	107.3	90.6	114.7	102.9	88.4
Hispanic*								138.3	139.5	123.5
Non-Hispanic								195.5	187.7	192.5
Diabetes	301.1	261.1	263.4	257.0	240.3	254.0	234.0	238.2	235.8	221.1
Hypertension	289.1	248.9	258.4	255.0	247.4	240.5	218.4	215.1	201.4	224.0
Glomerulonephritis	109.4	102.4	126.0	92.9	89.0	95.4	92.3	93.1	77.0	64.9
Other	200.4	175.9	176.2	169.6	181.1	161.3	175.6	172.5	136.7	170.0
All	249.4	217.6	223.6	213.1	209.0	207.1	194.5	193.9	180.8	183.1
FIRST TRANSPLANT										
0-17	29.5	37.1	14.9	22.0	20.0	19.8	20.8	11.5	8.6	10.9
18-29	32.7	22.1	20.4	25.6	21.9	17.2	19.0	10.4	12.3	10.9
30-44	50.2	47.8	35.8	39.0	32.2	35.9	30.4	29.4	29.1	23.7
45-54	77.7	79.6	50.5	59.4	65.1	55.1	52.9	47.8	55.7	43.7
55+	129.6	123.6	105.6	105.5	101.0	96.6	97.0	83.8	88.4	78.5
Male	78.8	70.5	53.5	57.4	52.8	54.5	50.0	42.7	42.7	37.9
Female	59.7	63.3	46.3	52.0	51.3	42.1	43.8	39.4	46.5	36.6
White	71.6	70.8	50.4	56.5	53.1	51.6	50.8	41.3	43.9	36.3
Black	70.1	58.3	53.5	57.4	52.9	49.2	40.6	41.9	51.5	44.8
Other	73.4	60.0	42.0	29.3	39.9	32.0	39.1	40.6	23.8	23.2
Hispanic*								33.9	25.3	26.3
Non-Hispanic								44.9	50.1	43.7
Diabetes	89.4	94.3	86.8	82.7	83.1	72.8	70.5	62.0	65.3	56.9
Hypertension	77.4	84.0	48.5	68.9	61.4	57.0	54.7	45.4	59.0	45.4
Glomerulonephritis	58.7	46.1	38.5	37.1	29.4	29.0	32.5	30.5	29.9	25.1
Other	58.4	53.4	34.9	41.7	41.6	44.3	39.0	33.8	34.4	30.8
All	71.3	67.6	50.6	55.3	52.2	49.6	47.5	41.4	44.2	37.3

*Death rates for Hispanic and non-Hispanic groups are unadjusted.



Table H.15

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

DIALYSIS	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
0-19	32.4	24.4	52.8	28.7	19.9	43.1	33.7	31.5	44.1	41.0
20-44	118.9	118.5	117.1	127.7	115.0	109.7	107.4	100.7	98.0	88.6
45-64	222.9	209.0	207.3	204.0	199.2	188.1	174.5	176.5	167.0	165.6
65-74	305.5	307.1	322.1	309.1	288.6	298.3	291.0	278.7	275.5	290.5
75+	452.3	406.8	427.7	427.1	412.1	409.5	403.3	406.3	391.5	413.0
Male	272.3	260.1	267.6	261.4	250.4	239.8	232.8	224.6	222.6	225.2
Female	262.5	250.0	255.1	254.4	238.5	244.1	232.9	234.0	220.6	228.1
White	316.5	299.3	307.0	301.6	285.4	288.6	273.0	267.7	259.2	264.7
Black	186.4	186.0	188.9	193.4	182.4	168.9	169.0	166.3	162.6	166.5
Other	218.1	179.2	187.4	148.4	154.3	150.8	158.0	166.5	155.9	154.9
Hispanic*									174.2	175.6
Non-Hispanic									218.5	229.8
Diabetes	339.2	312.1	320.8	306.5	291.2	277.8	274.5	267.4	259.7	262.1
Hypertension	269.3	261.1	273.3	269.4	255.5	252.3	240.2	236.0	231.6	243.6
Glomerulonephritis	155.3	167.4	158.7	164.3	151.6	146.1	140.9	137.8	135.7	136.1
Other	213.3	198.6	200.8	207.6	198.7	211.6	197.6	201.3	189.4	193.8
All	267.5	255.3	261.6	258.1	244.6	241.8	232.9	229.1	221.6	226.6
HEMODIALYSIS										
0-19	32.1	31.1	35.1	35.0	21.9	40.0	25.4	28.6	54.0	41.4
20-44	117.7	117.5	117.1	129.1	119.3	112.1	107.3	103.2	99.2	85.6
45-64	216.8	201.2	201.4	196.0	195.1	185.2	168.5	169.3	163.8	160.1
65-74	296.8	295.4	312.5	301.7	282.6	290.3	286.0	271.3	267.9	285.0
75+	442.6	395.9	417.8	417.6	404.8	405.4	395.5	391.2	386.5	404.2
Male	270.7	255.6	265.2	260.0	253.2	241.9	233.2	222.8	223.8	225.4
Female	264.2	250.2	257.1	255.6	240.4	246.8	234.8	234.4	223.5	229.5
White	320.8	300.0	307.1	304.5	290.2	293.8	277.4	267.8	264.6	267.8
Black	185.6	183.8	191.1	192.0	183.5	170.2	169.5	168.4	164.5	167.9
Other	214.3	177.6	199.8	153.5	166.9	164.3	162.7	169.0	157.2	158.7
Hispanic*									174.1	171.0
Non-Hispanic									219.6	228.1
Diabetes	332.4	299.6	310.0	295.4	281.8	272.3	267.9	257.0	252.8	255.2
Hypertension	268.6	256.5	271.6	266.4	256.5	250.6	238.1	235.3	230.0	243.8
Glomerulonephritis	152.0	176.0	171.8	168.6	161.4	157.3	146.6	141.4	151.3	142.9
Other	223.1	206.0	207.2	222.5	214.2	223.9	210.6	211.9	201.7	200.0
All	267.5	253.0	261.3	257.8	246.9	244.2	234.0	228.4	223.7	227.3

*Death rates for Hispanic and non-Hispanic groups are unadjusted.

Table H.15 (continued)

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

CAPD/CCPD	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
0-19	33.6	10.6	72.4	24.8	27.4	53.0	42.3	41.1	36.7	43.9
20-44	127.1	126.2	122.3	128.5	109.6	112.3	120.7	98.1	91.8	101.2
45-64	259.6	262.5	244.8	254.3	236.3	215.1	216.7	208.8	195.9	196.0
65-74	402.2	412.5	396.7	366.9	352.6	373.5	351.0	330.9	349.5	323.1
75+	588.0	533.9	547.6	540.5	511.8	514.6	546.6	567.4	461.2	536.3
Male	296.0	293.0	294.8	275.6	251.3	248.4	246.0	238.2	230.4	225.9
Female	275.0	274.8	250.2	265.0	254.6	252.5	254.3	236.6	221.1	232.6
White	315.7	315.0	315.3	297.1	281.8	283.4	277.6	270.6	246.4	259.1
Black	189.1	200.0	169.5	206.9	179.5	165.9	179.9	151.8	165.6	154.0
Other	375.7	231.6	185.2	171.4	168.5	159.5	155.2	158.6	163.5	126.9
Hispanic*									166.5	202.6
Non-Hispanic									222.4	225.8
Diabetes	395.8	393.3	388.5	371.0	357.3	335.0	321.8	320.1	303.3	317.1
Hypertension	278.7	302.0	283.5	290.9	264.5	260.3	263.0	243.9	249.5	233.3
Glomerulonephritis	176.2	141.9	118.5	149.3	121.0	118.0	138.8	119.7	89.9	107.6
Other	189.5	182.5	179.3	163.9	154.3	182.0	184.5	168.6	164.9	151.0
All	285.9	284.1	274.0	270.9	252.6	250.1	249.4	237.3	225.7	228.4
FIRST TRANSPLANT										
0-17	15.9	2.0	6.0	1.9	6.1	10.1	9.2	6.5	14.9	10.4
18-29	19.8	17.6	13.0	12.8	16.1	11.9	6.6	10.8	10.6	10.9
30-44	28.3	27.6	24.3	23.1	26.4	20.0	22.5	17.0	19.1	15.2
45-54	52.8	43.7	39.0	34.9	31.3	39.8	38.9	27.8	34.4	26.0
55+	62.7	70.3	44.8	46.1	54.2	50.2	55.9	50.2	45.5	38.0
Male	44.3	39.6	29.7	28.9	30.0	28.8	31.4	26.3	24.5	22.3
Female	33.3	33.4	29.5	26.4	31.5	28.8	27.2	21.7	28.5	18.8
White	38.2	34.9	27.6	27.9	28.2	28.3	29.4	23.1	26.1	21.3
Black	49.6	46.3	38.4	31.3	37.8	34.6	33.3	29.2	29.7	20.3
Other	25.5	31.3	22.7	15.7	33.5	12.7	19.9	22.5	13.2	19.1
Hispanic*									24.4	20.6
Non-Hispanic									28.3	23.2
Diabetes	68.6	58.5	55.0	49.9	55.6	43.7	43.7	38.7	38.9	36.9
Hypertension	42.7	43.2	37.6	30.9	41.1	36.9	28.2	31.4	36.2	21.7
Glomerulonephritis	22.5	24.9	18.5	17.4	14.3	17.6	20.0	16.6	18.2	12.1
Other	31.6	28.0	18.2	19.6	21.3	22.9	28.4	17.8	19.4	16.5
All	40.0	37.2	29.6	27.9	30.7	28.7	29.7	24.5	26.1	20.9

*Death rates for Hispanic and non-Hispanic groups are unadjusted.



Table H.16

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

DIALYSIS	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-19	66.8	36.2	46.4	42.3	44.2	29.6	43.4	34.8	35.7	27.4
20-44	134.4	114.7	122.6	117.7	122.8	124.7	113.5	106.2	99.9	90.3
45-64	232.1	228.4	227.6	220.3	213.8	230.2	208.7	196.2	186.8	184.1
65-74	340.3	314.5	327.9	337.2	324.1	320.2	314.2	310.5	295.3	291.9
75+	413.1	449.1	427.1	454.2	419.1	446.2	423.5	426.3	425.9	401.0
Male	286.9	281.0	268.7	276.9	261.0	279.9	255.7	247.9	234.6	227.0
Female	270.1	256.2	272.8	267.8	263.9	261.3	254.3	247.7	241.5	234.2
White	321.6	320.0	311.9	324.0	306.5	319.5	293.7	290.8	277.6	265.5
Black	204.8	186.7	202.6	194.3	191.9	195.3	189.2	179.0	173.4	173.7
Other	252.0	214.3	210.0	175.5	191.5	185.6	193.0	177.7	176.7	169.7
Hispanic*										175.3
Non-Hispanic										222.8
Diabetes	360.1	346.5	348.2	335.6	327.3	326.2	304.4	290.3	288.1	278.0
Hypertension	290.7	274.7	268.3	276.6	268.1	285.2	266.0	273.3	251.2	240.8
Glomerulonephritis	192.5	168.8	189.1	179.9	167.7	170.7	159.9	153.7	149.5	146.8
Other	201.5	204.7	200.6	216.0	201.8	217.3	210.7	196.1	186.9	185.6
All	278.7	268.8	270.7	272.5	262.4	270.7	255.0	247.8	238.0	230.5
HEMODIALYSIS										
0-19	61.5	38.4	57.5	30.9	49.9	34.6	44.0	49.5	34.7	32.9
20-44	130.3	104.7	121.3	114.1	121.3	119.4	107.6	105.4	99.8	90.4
45-64	222.7	216.9	223.2	215.0	209.1	224.5	199.1	188.6	176.5	179.6
65-74	328.2	305.1	314.4	327.5	318.0	312.8	304.1	297.4	288.3	286.9
75+	401.5	449.7	429.6	453.5	409.5	432.9	421.5	416.1	416.8	399.6
Male	280.5	277.0	270.8	275.6	260.8	280.7	252.6	243.8	230.9	227.6
Female	269.5	254.8	272.5	271.9	266.8	260.0	255.0	249.0	243.7	240.0
White	318.2	318.6	313.8	329.2	311.3	319.9	291.8	289.2	277.7	268.5
Black	205.2	185.4	204.4	193.8	191.0	196.1	190.5	181.7	175.1	180.7
Other	241.6	224.3	228.9	190.5	206.9	203.5	207.3	182.0	179.0	173.5
Hispanic*										169.8
Non-Hispanic										225.6
Diabetes	348.3	337.0	343.0	325.7	318.2	318.9	290.6	278.7	278.6	272.3
Hypertension	286.5	269.4	268.7	276.8	267.3	279.4	263.7	270.4	246.0	242.0
Glomerulonephritis	195.3	176.8	196.6	187.8	176.9	183.1	164.9	162.2	158.8	154.3
Other	204.4	205.2	204.8	228.4	212.7	222.5	221.8	200.8	194.4	199.7
All	275.0	266.0	271.7	273.8	263.7	270.2	253.6	246.3	237.1	233.6

*Death rates for Hispanic and non-Hispanic groups are unadjusted.

Table H.16 (continued)
Adjusted Third-Year Deaths
per 1,000 patient years at risk, incident patients

CAPD/CCPD	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
0-19	69.7	46.6	41.3	75.9	29.2	11.3	72.1	24.4	36.6	23.8
20-44	152.4	157.5	135.8	126.8	135.1	143.0	151.6	112.4	104.4	96.6
45-64	289.7	305.3	263.3	258.1	261.7	270.4	265.6	232.5	242.1	220.3
65-74	431.3	411.7	455.2	425.9	399.2	393.4	429.9	414.9	351.0	337.2
75+	578.5	576.6	450.7	530.1	527.0	630.2	494.8	594.6	553.2	504.2
Male	326.9	331.6	284.6	304.6	285.5	294.2	307.4	279.4	264.2	246.0
Female	297.1	301.9	298.4	265.3	277.7	290.6	275.0	261.7	245.9	227.0
White	351.7	361.8	330.1	319.2	310.4	336.8	330.3	312.5	291.7	269.1
Black	199.4	206.9	194.5	204.0	209.8	189.0	195.9	171.1	168.8	144.9
Other	426.0	241.6	148.3	157.1	182.2	164.1	193.2	163.0	167.7	182.4
Hispanic*										210.1
Non-Hispanic										219.8
Diabetes	447.6	429.7	403.8	411.2	410.6	380.8	415.6	354.9	350.4	325.5
Hypertension	316.4	356.5	283.4	282.5	280.1	342.9	296.5	298.0	292.4	236.8
Glomerulonephritis	195.3	145.7	169.0	157.9	140.7	128.3	149.9	125.0	123.3	129.7
Other	192.4	228.2	196.6	180.3	183.4	211.2	191.6	203.8	158.9	156.3
All	313.1	317.3	289.9	285.8	281.9	292.2	292.0	270.7	255.3	236.7
FIRST TRANSPLANT										
0-17	6.1	8.1	4.0	2.0	5.6	12.3	5.1	1.9	4.9	10.0
18-29	15.7	15.7	16.6	16.0	18.0	15.0	19.0	14.1	13.9	15.5
30-44	33.6	37.1	24.6	25.7	23.0	23.2	25.5	23.3	20.5	18.3
45-54	50.2	46.9	40.2	45.7	41.7	39.7	38.8	28.8	32.4	34.3
55+	72.2	57.4	70.7	57.7	63.4	59.9	68.8	67.2	60.1	48.9
Male	46.4	43.8	34.4	38.0	37.7	33.2	36.0	30.3	29.4	26.6
Female	31.8	32.4	33.9	26.9	25.9	30.0	31.7	29.1	27.2	26.1
White	40.8	36.4	33.7	36.2	30.4	29.3	35.2	28.1	28.6	24.8
Black	46.0	50.6	41.0	30.4	43.2	41.8	32.9	35.8	33.0	31.2
Other	20.0	31.2	17.2	11.3	27.2	28.0	29.2	26.4	10.4	25.0
Hispanic*										22.0
Non-Hispanic										29.4
Diabetes	58.9	65.2	51.7	58.0	46.9	56.7	60.4	40.7	40.4	40.7
Hypertension	62.4	50.6	49.7	38.6	37.1	36.3	34.9	37.3	38.8	37.3
Glomerulonephritis	32.4	21.4	19.1	21.9	27.2	19.0	23.2	27.1	19.8	16.3
Other	25.5	30.0	26.7	24.1	26.0	23.5	25.3	22.5	23.1	20.2
All	40.6	39.3	34.3	33.5	32.9	32.0	34.2	29.8	28.5	26.4

*Death rates for Hispanic and non-Hispanic groups are unadjusted.



