

Table D.4
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993.
 Modality group: 1 All dialysis patients.
 At risk until death, Tx, or end of year.
 AND 2PT PAT Primary disease group All

	Age: 0 - 64													
	Age: All					Age: 20 - 44								
	All	Male	Female	Asian	Black	Native	White	All	Male	Female	Black	White		
All	234.4	235.3	233.5	149.1	177.7	196.6	276.6	47.0	103.1	107.7	96.7	101.0	109.5	188.1
ACUTE M I.	23.5	25.4	21.5	16.6	15.9	23.0	28.8	0.7	7.3	7.7	6.7	5.2	9.3	21.8
HYPERKALEMIA	4.8	4.7	4.9	4.0	2.8	3.7	6.2	1.6	4.0	4.4	3.6	3.4	4.6	3.4
PERICARDITIS	0.5	0.6	0.4	0.3	0.5	0.4	0.5	0.2	0.7	0.8	0.5	0.9	0.6	0.5
ATHEROSCLEROTIC H. D.	9.6	9.7	9.5	5.1	5.2	5.7	12.8	..	1.2	1.3	1.2	0.7	1.8	6.1
CARDIOMYOPATHY	9.9	11.3	8.4	6.8	5.4	7.1	13.1	1.9	3.0	3.4	2.4	2.7	3.4	7.5
CARDIAC ARRHYTHMIA	14.2	15.0	13.4	11.3	9.9	12.5	17.2	2.8	5.8	5.8	5.8	4.5	6.9	11.7
CARDIAC ARREST	40.3	39.9	40.8	26.3	32.5	33.7	46.3	6.5	17.5	18.3	16.4	15.8	20.0	33.2
VALVULAR HEART DIS.	1.5	1.5	1.5	0.6	1.1	1.1	1.9	0.5	0.8	0.9	0.8	0.8	0.9	1.0
PULMONARY EDEMA*	2.0	2.1	1.9	1.3	1.4	2.1	2.5	1.4	1.0	1.2	0.7	1.2	0.9	1.6
CEREBRO-VASCULAR DIS.	13.1	11.1	15.3	12.1	11.4	13.8	14.3	2.5	6.1	5.6	6.8	5.1	7.1	10.6
G. I. HEMORRHAGE	2.7	2.6	2.7	2.0	2.1	1.8	3.0	0.5	0.9	0.8	1.0	1.0	0.8	2.1
OTHER HEMORRHAGE	1.8	1.7	1.8	1.5	1.4	1.4	2.0	1.4	0.9	0.9	0.8	0.7	0.9	1.4
SEPTICEMIA	23.4	20.6	26.4	15.1	21.2	20.0	25.3	6.7	11.7	10.9	12.7	11.5	12.6	21.2
PULMONARY INFECTION	5.6	6.3	4.9	5.6	3.8	6.5	6.8	2.1	2.1	2.4	1.7	2.5	1.8	3.4
VIRAL INFECTION	0.4	0.5	0.3	0.7	0.2	0.2	0.4	0.2	0.3	0.4	0.2	0.3	0.3	0.3
AIDS	1.7	2.8	0.6	0.2	3.9	0.7	0.4	..	6.2	8.8	2.5	12.3	1.3	1.0
OTHER INFECTION	1.2	1.1	1.4	0.5	1.0	1.2	1.4	0.2	0.8	0.8	0.7	0.8	0.7	1.2
CACHEXIA	2.5	2.2	2.9	2.0	1.6	2.5	3.2	..	0.7	0.6	0.9	0.5	1.0	1.5
MALIGNANT DISEASE	8.0	9.4	6.7	3.8	6.2	3.4	9.6	1.4	1.3	1.1	1.5	0.8	1.8	6.4
OTHER CAUSE	29.4	28.0	30.8	14.4	20.0	24.6	36.3	8.6	13.7	13.4	14.0	12.3	15.5	22.6
UNKNOWN CAUSE	38.2	38.8	37.6	18.9	30.1	31.4	44.5	7.9	17.1	18.1	15.8	17.9	17.1	29.6
Years at risk	395656	203499	192157	11845	147810	5661	229090	4317	84161	49052	35109	36756	43248	147940
Patients	526307	273059	253248	15229	185693	7391	316334	6138	108298	63592	44706	45433	57597	191612

	Age: 45 - 64									
	Age: 45 - 64					Age: 65+				
	All	Male	Female	Black	White	All	Male	Female	Black	White
All	193.0	183.0	145.6	226.1	351.9	365.4	339.6	282.5	388.9	
ACUTE M I.	23.8	19.7	15.2	27.3	34.3	39.1	29.9	25.4	38.7	
HYPERKALEMIA	3.4	3.5	1.9	4.8	6.5	6.2	6.8	3.5	8.0	
PERICARDITIS	0.7	0.4	0.5	0.6	0.4	0.4	0.4	0.3	0.5	
ATHEROSCLEROTIC H. D.	6.3	5.8	3.6	8.2	17.6	18.9	16.4	10.9	21.1	
CARDIOMYOPATHY	8.8	6.1	4.8	9.8	16.0	19.2	13.1	8.4	19.8	
CARDIAC ARRHYTHMIA	12.5	10.8	8.3	14.5	21.4	23.8	19.2	16.3	23.9	
CARDIAC ARREST	34.0	32.3	26.8	39.1	59.9	60.7	59.2	53.7	63.7	
VALVULAR HEART DIS.	1.1	1.0	0.8	1.3	2.4	2.4	2.4	1.7	2.8	
PULMONARY EDEMA*	1.8	1.4	1.2	2.0	2.9	3.1	2.7	1.7	3.5	
CEREBRO-VASCULAR DIS.	9.5	11.9	9.6	11.5	19.4	16.5	22.0	19.0	19.6	
G. I. HEMORRHAGE	2.2	2.1	1.9	2.3	4.1	4.3	4.0	3.4	4.6	
OTHER HEMORRHAGE	1.4	1.4	1.3	1.6	2.6	2.6	2.6	2.2	2.8	
SEPTICEMIA	19.3	23.3	18.8	23.6	32.0	28.5	35.2	32.4	32.3	
PULMONARY INFECTION	3.8	3.1	2.5	4.1	9.6	11.5	7.9	6.6	11.0	
VIRAL INFECTION	0.4	0.2	0.2	0.3	0.5	0.5	0.4	0.3	0.6	
AIDS	1.6	0.3	1.9	0.3	0.1	0.1	0.1	0.2	0.1	
OTHER INFECTION	1.0	1.3	0.9	1.4	1.6	1.3	1.9	1.3	1.7	
CACHEXIA	1.3	1.6	0.9	1.9	4.6	4.1	5.0	3.4	5.1	
MALIGNANT DISEASE	7.2	5.7	5.2	7.8	13.3	17.1	9.8	11.8	14.3	
OTHER CAUSE	22.4	22.9	15.9	28.5	44.5	43.7	45.1	31.5	51.4	
UNKNOWN CAUSE	30.7	28.4	23.5	35.2	58.2	61.2	55.5	48.6	63.8	
Years at risk	75943	71998	62076	78121	159238	76159	83080	47633	105006	
Patients	99255	92357	76407	105328	220259	106855	113404	62004	149499	

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Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.4 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993.
 Modality group: 1 All dialysis patients.
 At risk until death, Tx, or end of year,
 AND 2PT PAT Primary disease group Diabetes

	Age: 0-64													
	Age: All					Age: 0-19		Age: 20-44			Age: 45-64			
	All	Male	Female	Asian	Black	Native	White	All	Male	Female	Black	White	All	
All	288.4	290.2	287.0	219.3	213.7	216.6	342.7	137.4	182.9	183.1	182.7	144.0	202.0	242.7
ACUTE M I.	33.1	36.3	30.6	28.9	23.0	26.3	40.0	..	18.7	20.5	16.4	12.6	21.3	31.7
HYPERKALEMIA	6.1	6.0	6.2	3.8	3.2	2.9	8.2	..	7.0	7.6	6.2	5.6	7.6	4.4
PERICARDITIS	0.6	0.7	0.5	..	0.4	0.3	0.7	..	1.1	1.0	1.1	0.6	1.3	0.6
ATHEROSCLEROTIC H. D.	12.2	12.9	11.6	9.6	7.3	5.6	15.7	..	3.8	3.7	3.9	2.5	4.3	9.3
CARDIOMYOPATHY	11.1	12.4	10.0	9.1	5.7	7.3	14.8	..	4.5	4.7	4.2	2.9	5.3	8.7
CARDIAC ARRHYTHMIA	18.2	19.6	17.1	18.7	11.4	16.7	22.6	..	12.1	11.7	12.7	7.8	13.8	15.7
CARDIAC ARREST	55.2	56.4	54.3	43.4	42.4	37.2	64.9	..	37.0	36.3	38.0	28.1	41.3	46.6
VALVULAR HEART DIS.	1.0	0.9	1.2	..	0.8	..	1.3	..	0.4	0.2	0.6	..	0.6	0.5
PULMONARY EDEMA*	2.3	2.6	2.1	1.6	1.4	2.3	2.9	..	1.1	1.5	0.5	0.6	1.2	2.0
CEREBRO-VASCULAR DIS.	18.4	15.9	20.4	19.0	15.6	17.3	20.2	..	13.1	11.7	14.9	8.3	15.1	15.5
G. I. HEMORRHAGE	2.5	2.7	2.4	2.5	2.0	1.5	2.9	..	1.1	1.2	0.9	0.8	1.2	2.0
OTHER HEMORRHAGE	1.2	0.9	1.4	1.9	1.1	1.5	1.2	..	1.0	0.6	1.5	0.4	1.2	1.0
SEPTICEMIA	33.0	29.4	36.0	22.8	30.2	24.3	35.7	27.5	21.4	19.0	24.5	19.4	22.9	29.7
PULMONARY INFECTION	5.5	6.2	5.0	5.8	3.9	5.9	6.6	..	2.8	3.0	2.5	2.5	3.0	3.9
VIRAL INFECTION	0.3	0.4	0.3	..	0.2	..	0.5	..	0.3	0.4	0.1	0.4	0.2	0.2
AIDS	0.3	0.5	0.1	..	0.4	..	0.2	..	0.9	1.4	0.3	1.4	0.7	0.2
OTHER INFECTION	1.6	1.3	1.9	0.8	1.4	1.8	1.8	..	1.1	1.2	1.0	1.9	0.9	1.4
CACHEXIA	2.6	2.3	2.9	2.7	1.8	2.9	3.2	..	2.1	2.1	2.0	1.4	2.3	1.7
MALIGNANT DISEASE	4.7	5.0	4.5	3.6	4.9	2.6	4.8	..	0.6	0.2	1.0	0.4	0.6	3.3
OTHER CAUSE	33.2	31.3	34.8	17.9	22.2	24.6	41.4	27.5	25.0	25.3	24.6	20.0	27.9	26.8
UNKNOWN CAUSE	45.2	46.7	44.0	27.2	34.6	35.7	53.3	82.5	28.1	30.1	25.5	26.2	29.5	37.5
Years at risk	117977	52805	65172	3639	42443	3416	68211	36	18041	10168	7872	4841	12494	54555
Patients	164594	74617	89977	4881	55261	4491	99584	60	25742	14583	11159	6421	18376	74184

	Age: 45-64										Age: 65+			
	Age: 45-64					Age: 65+					Age: 45-64		Age: 65+	
	All	Male	Female	Black	White	All	Male	Female	Black	White	All	Male	Female	Black	White
All	250.2	236.1	171.0	304.5	385.6	412.3	369.2	293.3	450.1	..	..	..	..	..
ACUTE M I.	34.5	29.2	20.0	40.9	40.7	48.3	36.0	30.2	47.7	..	..	..	..	..
HYPERKALEMIA	4.7	4.2	2.0	6.6	7.8	7.0	8.3	4.1	10.2	..	..	..	..	..
PERICARDITIS	0.7	0.4	0.4	0.8	0.4	0.5	0.3	0.3	0.4	..	..	..	..	..
ATHEROSCLEROTIC H. D.	9.9	8.7	5.2	12.6	19.0	22.5	16.8	11.6	24.4	..	..	..	..	..
CARDIOMYOPATHY	10.6	7.0	4.7	11.8	16.6	19.5	14.9	7.8	22.5	..	..	..	..	..
CARDIAC ARRHYTHMIA	17.2	14.4	9.0	20.9	23.8	27.9	21.2	15.8	28.6	..	..	..	..	..
CARDIAC ARREST	49.1	44.4	33.7	58.2	72.9	79.0	69.2	58.7	83.3	..	..	..	..	..
VALVULAR HEART DIS.	0.6	0.5	0.5	0.7	1.9	1.7	2.0	1.5	2.3	..	..	..	..	..
PULMONARY EDEMA*	2.4	1.6	1.4	2.4	3.1	3.4	3.0	1.5	4.2	..	..	..	..	..
CEREBRO-VASCULAR DIS.	13.8	17.0	13.0	17.7	24.0	21.5	25.5	21.4	25.3	..	..	..	..	..
G. I. HEMORRHAGE	2.2	1.8	1.8	2.2	3.7	4.3	3.3	2.7	4.3	..	..	..	..	..
OTHER HEMORRHAGE	0.9	1.0	1.1	1.0	1.5	1.2	1.7	1.3	1.4	..	..	..	..	..
SEPTICEMIA	27.5	31.7	25.5	33.9	41.6	38.3	43.6	39.9	43.7	..	..	..	..	..
PULMONARY INFECTION	4.3	3.6	2.6	4.9	8.6	10.9	7.2	6.0	10.1	..	..	..	..	..
VIRAL INFECTION	0.4	0.1	0.2	0.3	0.5	0.6	0.4	0.2	0.7	..	..	..	..	..
AIDS	0.4	<0.05	0.4	0.1	0.1	0.1	0.1	0.1	0.1	..	..	..	..	..
OTHER INFECTION	1.0	1.8	1.2	1.7	2.0	1.7	2.2	1.5	2.3	..	..	..	..	..
CACHEXIA	1.7	1.7	1.0	2.3	3.9	3.3	4.3	3.0	4.5	..	..	..	..	..
MALIGNANT DISEASE	3.4	3.2	3.4	3.4	8.1	10.0	6.9	8.2	8.3	..	..	..	..	..
OTHER CAUSE	26.1	27.4	17.1	35.1	44.3	42.5	45.4	29.8	54.5	..	..	..	..	..
UNKNOWN CAUSE	38.8	36.4	26.8	46.9	61.2	68.1	56.9	47.8	71.3	..	..	..	..	..
Years at risk	25352	29202	21676	29021	45345	17266	28079	15909	26681	..	..	..	..	..
Patients	34856	39328	27723	41384	64608	25151	39457	21093	39794	..	..	..	..	..

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.4 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993.
 Modality group: 1 All dialysis patients.
 At risk until death, Tx, or end of year.
 AND 2PT PAT Primary disease group Not diabetes

	Age: 0 - 64													
	Age: All					Age: 0 - 19		Age: 20 - 44						
	All	Male	Female	Asian	Black	Native	White	All	Male	Female	Black	White	All	
All	204.7	209.5	198.9	117.1	156.3	166.2	241.7	44.2	75.1	81.7	65.7	89.9	63.6	145.7
ACUTE M I.	18.8	20.9	16.3	11.4	12.4	18.0	23.5	0.7	3.8	3.9	3.6	3.9	3.8	15.1
HYPERKALEMIA	4.1	4.1	4.1	3.7	2.6	5.1	5.2	1.7	3.0	3.3	2.6	2.9	3.2	2.7
PERICARDITIS	0.5	0.6	0.4	0.5	0.5	0.5	0.4	..	0.5	0.7	0.3	0.8	0.3	0.5
ATHEROSCLEROTIC H. D.	8.4	8.4	8.3	3.1	4.2	5.5	11.4	..	0.5	0.6	0.4	0.4	0.6	3.8
CARDIOMYOPATHY	9.2	10.7	7.4	5.3	5.1	6.9	12.2	1.7	2.3	2.7	1.8	2.4	2.5	6.4
CARDIAC ARRHYTHMIA	12.1	13.0	11.0	8.2	8.9	6.5	14.5	2.4	3.7	4.0	3.3	4.0	3.6	8.4
CARDIAC ARREST	32.9	33.2	32.5	18.8	27.3	28.2	37.4	6.2	10.9	12.4	8.9	13.2	9.3	23.4
VALVULAR HEART DIS.	1.7	1.7	1.7	0.7	1.1	2.8	2.1	0.5	0.9	0.9	0.8	0.8	1.0	1.2
PULMONARY EDEMA*	1.9	2.0	1.8	1.1	1.3	1.8	2.3	1.4	0.9	1.0	0.8	1.2	0.7	1.4
CEREBRO-VASCULAR DIS.	10.6	9.2	12.3	9.0	9.5	8.3	11.4	2.4	3.8	3.8	4.0	4.5	3.3	7.2
G. I. HEMORRHAGE	2.6	2.5	2.7	1.7	2.1	1.8	3.0	0.5	0.7	0.6	0.9	0.9	0.5	2.0
OTHER HEMORRHAGE	2.0	2.0	2.0	1.2	1.5	1.4	2.3	1.2	0.8	1.0	0.5	0.7	0.8	1.7
SEPTICEMIA	18.6	17.0	20.5	11.9	16.9	13.8	20.1	6.4	8.2	8.0	8.4	9.4	7.3	15.1
PULMONARY INFECTION	5.6	6.3	4.7	5.5	3.7	7.4	6.8	1.9	1.9	2.2	1.4	2.5	1.2	3.0
VIRAL INFECTION	0.4	0.4	0.3	1.0	0.2	0.5	0.4	0.2	0.3	0.4	0.2	0.3	0.3	0.3
AIDS	2.3	3.6	0.9	0.2	5.4	1.8	0.5	..	7.6	10.6	3.2	13.9	1.5	1.4
OTHER INFECTION	1.0	0.9	1.2	0.4	0.8	0.5	1.2	0.2	0.6	0.6	0.6	0.6	0.6	0.9
CACHEXIA	2.5	2.1	3.0	1.7	1.5	1.8	3.2	..	0.4	0.3	0.6	0.4	0.5	1.3
MALIGNANT DISEASE	9.4	10.9	7.7	4.0	6.7	4.6	11.6	1.4	1.4	1.2	1.6	0.9	2.0	8.1
OTHER CAUSE	27.2	26.5	28.1	12.9	18.5	24.9	33.8	8.6	10.0	9.7	10.3	10.7	9.8	19.1
UNKNOWN CAUSE	32.9	33.6	32.0	14.6	26.2	24.0	38.4	6.9	12.8	13.7	11.7	15.4	10.7	22.7
Years at risk	265357	144738	120619	8071	100323	2166	154109	4204	64158	37762	26396	31068	29741	88409
Patients	344919	190188	154731	10171	123937	2797	207149	5973	80065	47556	32509	37956	37908	110870

	Age: 45 - 64					Age: 65+				
	Male, Female, Black, White, All					Male, Female, Black, White, All				
	All	Male	Female	Black	White	All	Male	Female	Black	White
All	154.3	135.2	122.8	167.7	335.5	348.8	321.0	273.3	364.9	
ACUTE M I.	17.5	12.2	11.8	18.2	31.5	36.1	26.5	22.4	35.4	
HYPERKALEMIA	2.7	2.8	1.8	3.6	6.0	6.0	3.2	7.1		
PERICARDITIS	0.6	0.3	0.5	0.4	0.4	0.5	0.3	0.5		
ATHEROSCLEROTIC H. D.	4.0	3.5	2.4	5.1	17.0	17.8	16.2	10.6	20.0	
CARDIOMYOPATHY	7.5	4.9	4.5	8.0	15.9	19.2	12.3	8.8	18.9	
CARDIAC ARRHYTHMIA	9.4	7.4	7.2	9.8	20.4	22.5	18.0	16.5	22.1	
CARDIAC ARREST	24.7	21.8	21.5	25.3	54.6	55.4	53.8	50.5	57.0	
VALVULAR HEART DIS.	1.2	1.1	0.8	1.5	2.6	2.6	2.5	1.7	2.9	
PULMONARY EDEMA*	1.4	1.3	1.0	1.7	2.8	3.0	2.6	1.8	3.3	
CEREBRO-VASCULAR DIS.	6.8	7.7	7.3	7.2	17.6	15.1	20.3	17.9	17.6	
G. I. HEMORRHAGE	2.1	2.0	1.9	2.2	4.2	4.3	4.1	3.6	4.5	
OTHER HEMORRHAGE	1.7	1.6	1.3	2.0	3.0	3.0	3.0	2.6	3.2	
SEPTICEMIA	14.4	15.9	14.0	16.2	28.0	25.7	30.6	28.8	28.1	
PULMONARY INFECTION	3.4	2.5	2.3	3.5	10.1	11.8	8.3	6.9	11.3	
VIRAL INFECTION	0.4	0.1	0.1	0.3	0.5	0.5	0.3	0.6		
AIDS	2.2	0.5	2.8	0.5	0.1	0.1	0.1	0.2	0.1	
OTHER INFECTION	0.9	0.9	0.6	1.2	1.4	1.1	1.7	1.2	1.6	
CACHEXIA	1.1	1.5	0.8	1.7	4.8	4.2	5.4	3.6	5.3	
MALIGNANT DISEASE	8.8	7.3	5.9	10.4	15.6	19.4	11.4	14.0	16.5	
OTHER CAUSE	19.5	18.7	14.5	23.4	44.7	44.3	45.2	32.1	50.6	
UNKNOWN CAUSE	24.1	20.9	19.9	25.6	54.1	56.2	51.8	46.1	58.4	
Years at risk	48199	40210	38176	46509	108585	56484	52101	29773	75207	
Patients	61190	49680	45856	60438	148011	78159	69852	38339	104984	

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.4 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993,
 Modality group: 2 Hemodialysis Pts, 60 days on hemo,
 At risk until death, Tx, or end of year,
 AND 2PT PAT Primary disease group All

	Age: 0-64													
	Age: All					Age: 0-19		Age: 20-44						
	All	Male	Female	Asian	Black	Native	White	All	Male	Female	Black	White	All	
All	235.6	234.8	236.4	155.5	178.8	196.9	282.1	43.8	102.6	104.8	99.2	99.5	110.2	182.8
ACUTE M I.	23.3	24.8	21.8	17.5	16.0	21.4	29.0	0.5	6.9	7.2	6.4	5.1	8.8	20.9
HYPERKALEMIA	5.1	4.9	5.3	4.5	2.9	3.8	6.7	1.9	4.5	4.7	4.1	3.7	5.3	3.6
PERICARDITIS	0.5	0.6	0.4	0.2	0.5	0.4	0.5	0.5	0.7	0.8	0.5	0.9	0.5	0.6
ATHEROSCLEROTIC H. D.	9.4	9.4	9.5	5.3	5.3	5.6	12.8	..	1.2	1.2	1.2	0.7	1.8	5.5
CARDIOMYOPATHY	9.4	10.5	8.1	6.7	5.2	5.8	12.6	1.5	2.6	3.0	1.9	2.4	2.9	6.7
CARDIAC ARRHYTHMIA	14.5	15.1	13.9	12.5	10.1	12.4	17.8	4.9	5.7	5.5	6.1	4.7	6.7	11.4
CARDIAC ARREST	41.3	40.4	42.3	27.3	33.3	34.4	48.2	4.4	18.1	18.4	17.8	16.5	20.8	33.1
VALVULAR HEART DIS.	1.5	1.5	1.5	0.6	1.1	1.3	1.9	0.5	0.9	1.0	0.8	0.8	1.1	1.0
PULMONARY EDEMA*	2.1	2.2	1.9	1.3	1.4	1.9	2.7	1.5	1.1	1.3	0.7	1.2	1.0	1.6
CEREBRO-VASCULAR DIS.	13.0	10.8	15.2	12.2	11.5	13.3	14.1	3.4	6.2	5.5	7.2	5.4	7.2	10.2
G. I. HEMORRHAGE	2.8	2.7	2.8	2.4	2.2	1.9	3.2	0.5	1.0	0.8	1.2	1.1	0.9	2.2
OTHER HEMORRHAGE	1.9	1.8	1.9	1.8	1.5	1.5	2.2	0.5	1.0	1.1	0.9	0.7	1.2	1.5
SEPTICEMIA	22.5	19.7	25.4	15.4	20.7	18.8	24.2	5.4	10.6	9.8	11.7	10.6	11.3	20.1
PULMONARY INFECTION	5.8	6.6	5.0	5.9	3.8	6.0	7.3	1.0	1.9	2.2	1.4	2.2	1.6	3.5
VIRAL INFECTION	0.4	0.5	0.3	0.7	0.2	0.2	0.5	..	0.3	0.4	0.1	0.3	0.2	0.3
AIDS	1.5	2.4	0.6	0.1	3.3	0.9	0.4	..	5.7	7.9	2.4	10.7	1.2	1.0
OTHER INFECTION	1.1	0.9	1.2	0.6	1.0	1.3	1.2	..	0.8	0.9	0.7	0.9	0.8	0.9
CACHEXIA	2.4	2.1	2.8	2.0	1.6	2.6	3.1	..	0.6	0.5	0.8	0.4	0.8	1.2
MALIGNANT DISEASE	8.6	10.1	7.0	4.0	6.6	3.6	10.4	1.0	1.4	1.1	1.7	0.8	2.0	6.8
OTHER CAUSE	29.2	27.8	30.6	15.1	19.9	25.2	36.7	8.3	13.4	12.9	14.0	12.1	15.5	21.4
UNKNOWN CAUSE	39.4	39.9	38.8	19.4	30.8	34.6	46.7	8.3	18.1	18.5	17.5	18.5	18.5	29.3
Years at risk	326673	167219	159454	10100	129969	4677	180871	2054	63487	38396	25091	30027	30291	120986
Patients	431639	222752	208887	12942	162611	6080	248597	2923	80905	49191	31714	36931	39967	155266

	Age: 45-64					Age: 65+				
	All	Male	Female	Black	White	All	Male	Female	Black	White
All	186.7	178.7	143.3	222.8	344.2	359.5	330.7	277.7	383.1	383.1
ACUTE M I.	22.3	19.4	15.0	26.7	33.2	37.8	29.2	24.8	37.7	37.7
HYPERKALEMIA	3.5	3.8	2.1	5.2	6.7	6.3	7.0	3.5	8.2	8.2
PERICARDITIS	0.7	0.4	0.6	0.6	0.4	0.4	0.4	0.3	0.5	0.5
ATHEROSCLEROTIC H. D.	5.5	5.5	3.4	7.6	16.7	18.0	15.5	10.7	20.2	20.2
CARDIOMYOPATHY	7.8	5.5	4.4	9.0	14.8	17.6	12.4	8.1	18.4	18.4
CARDIAC ARRHYTHMIA	11.9	10.9	8.0	14.7	21.2	23.8	18.9	16.2	23.9	23.9
CARDIAC ARREST	33.6	32.5	26.7	39.6	59.5	60.3	58.8	53.2	63.7	63.7
VALVULAR HEART DIS.	1.1	0.9	0.7	1.3	2.3	2.3	2.3	1.7	2.7	2.7
PULMONARY EDEMA*	1.7	1.4	1.2	2.1	3.0	3.2	2.8	1.7	3.7	3.7
CEREBRO-VASCULAR DIS.	9.0	11.4	9.3	11.0	18.6	15.8	21.0	18.5	18.6	18.6
G. I. HEMORRHAGE	2.3	2.2	1.9	2.5	4.1	4.3	4.0	3.4	4.6	4.6
OTHER HEMORRHAGE	1.4	1.5	1.3	1.6	2.6	2.6	2.6	2.1	2.9	2.9
SEPTICEMIA	18.4	21.9	18.1	22.3	30.2	26.9	33.0	31.1	30.1	30.1
PULMONARY INFECTION	3.9	3.1	2.4	4.4	9.7	11.8	7.8	6.6	11.1	11.1
VIRAL INFECTION	0.4	0.2	0.2	0.4	0.5	0.6	0.4	0.2	0.6	0.6
AIDS	1.5	0.4	1.8	0.3	0.1	0.1	0.1	0.1	0.1	0.1
OTHER INFECTION	0.8	1.1	0.8	1.1	1.4	1.1	1.6	1.2	1.4	1.4
CACHEXIA	1.1	1.3	0.8	1.6	4.3	3.9	4.7	3.3	4.9	4.9
MALIGNANT DISEASE	7.6	5.9	5.5	8.3	13.5	17.8	9.8	11.9	14.8	14.8
OTHER CAUSE	21.5	21.4	15.5	27.3	43.3	42.8	43.7	30.8	50.6	50.6
UNKNOWN CAUSE	30.5	28.1	23.6	35.3	58.1	61.9	54.8	48.1	64.4	64.4
Years at risk	61998	58989	54432	60071	140146	65697	74449	44705	89411	89411
Patients	80254	75012	66640	80398	192545	91686	100859	57935	126634	126634

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.4 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993,
 Modality group: 2 Hemodialysis Pts, 60 days on hemo,
 At risk until death, Tx, or end of year,
 AND 2PT PAT Primary disease group Diabetes

	Age: All				Age: 0-19				Age: 20-44				Age: 45-64						
	All	Male	Female	Asian	Black	Native	White	All	All	Male	Female	Black	White	All	All	Male	Female	Black	White
All	283.3	285.9	281.2	218.1	212.0	213.1	341.9	134.2	186.3	185.5	187.5	144.6	212.1	231.9					
ACUTE M I.	32.4	35.7	29.9	28.2	23.0	24.5	39.7		18.1	20.1	15.2	12.9	20.9	30.2					
HYPERKALEMIA	6.4	6.0	6.6	4.0	3.4	3.2	8.8		8.2	8.6	7.6	6.6	9.2	4.5					
PERICARDITIS	0.5	0.6	0.4		0.3	0.4	0.7		0.9	0.6	1.3	0.5	1.1	0.6					
ATHEROSCLEROTIC H. D.	11.4	12.1	10.9	9.0	7.1	4.9	15.1		3.9	3.9	3.8	2.0	4.7	8.2					
CARDIOMYOPATHY	10.3	11.3	9.5	8.0	5.5	6.0	14.1		3.7	4.2	3.0	2.5	4.5	7.9					
CARDIAC ARRHYTHMIA	17.9	18.9	17.2	19.8	11.2	16.1	22.7		12.5	11.8	13.5	8.4	14.5	14.7					
CARDIAC ARREST	55.6	56.9	54.5	43.6	42.6	37.5	66.7		39.4	38.0	41.3	29.2	45.5	46.1					
VALVULAR HEART DIS.	1.1	0.9	1.2		0.8		1.3		0.5	0.3	0.8		0.8	0.5					
PULMONARY EDEMA*	2.4	2.7	2.1	1.5	1.4	1.8	3.1		1.4	1.8	0.8	0.8	1.6	1.9					
CEREBRO-VASCULAR DIS.	17.4	14.8	19.4	17.3	15.1	16.1	19.2		12.8	11.2	15.0	7.6	15.7	14.1					
G. I. HEMORRHAGE	2.6	2.9	2.4	2.8	2.1	1.8	3.0		1.2	1.2	1.1	1.0	1.4	2.1					
OTHER HEMORRHAGE	1.3	1.0	1.5	2.2	1.1	1.4	1.3		1.2	0.7	1.9	0.5	1.5	1.0					
SEPTICEMIA	31.4	28.2	33.9	22.9	29.0	23.5	34.0	44.7	19.9	17.5	23.2	17.8	21.8	27.8					
PULMONARY INFECTION	5.6	6.5	4.9	6.2	3.9	5.3	6.8		2.6	2.6	2.5	2.0	2.9	4.0					
VIRAL INFECTION	0.3	0.5	0.2		0.2		0.5		0.2	0.4		0.5	0.1	0.3					
AIDS	0.2	0.4	0.1		0.3		0.1		0.6	1.0	0.2	1.5	0.3	0.2					
OTHER INFECTION	1.5	1.2	1.7	0.9	1.4	1.8	1.6		1.4	1.5	1.1	2.0	1.1	1.1					
CACHEXIA	2.4	2.1	2.7	2.8	1.8	3.2	2.9		1.8	1.5	2.1	1.3	2.0	1.5					
MALIGNANT DISEASE	5.1	5.6	4.8	3.4	5.2	2.8	5.3		0.5	0.3	0.8	0.5	0.4	3.6					
OTHER CAUSE	32.2	30.3	33.6	19.2	21.8	24.5	40.8	44.7	24.6	24.7	24.4	19.3	28.3	25.0					
UNKNOWN CAUSE	45.3	47.5	43.7	26.3	34.9	38.5	54.3	44.7	31.1	33.5	27.8	27.6	33.8	36.4					
Years at risk	97817	42539	55278	3233	37946	2854	53546	22	12456	7203	5253	3942	7949	44830					
Patients	134929	59522	75407	4302	49089	3729	77473	40	17617	10240	7377	5208	11657	60240					

	Age: 45-64				Age: 65+					
	All	Male	Female	Black	White	All	Male	Female	Black	White
All	239.4	225.6	167.8	293.9	370.0	397.9	353.7	286.2	433.7	
ACUTE M I.	33.0	27.9	20.1	39.6	39.2	46.8	34.8	29.3	46.3	
HYPERKALEMIA	4.6	4.5	2.2	6.9	7.8	6.8	8.4	4.1	10.5	
PERICARDITIS	0.7	0.4	0.4	0.7	0.3	0.4	0.2	0.1	0.4	
ATHEROSCLEROTIC H. D.	8.3	8.1	5.0	11.2	17.4	21.2	15.1	11.2	22.4	
CARDIOMYOPATHY	9.6	6.4	4.4	11.1	15.0	17.0	13.8	7.6	20.3	
CARDIAC ARRHYTHMIA	15.2	14.4	8.2	20.3	23.1	27.3	20.6	15.7	27.8	
CARDIAC ARREST	48.4	44.3	33.6	58.6	71.0	77.6	67.1	57.5	81.8	
VALVULAR HEART DIS.	0.5	0.5	0.5	0.7	1.8	1.6	1.9	1.5	2.2	
PULMONARY EDEMA*	2.4	1.4	1.4	2.4	3.2	3.5	3.0	1.5	4.4	
CEREBRO-VASCULAR DIS.	12.4	15.6	12.1	16.1	22.4	19.9	23.9	20.8	23.4	
G. I. HEMORRHAGE	2.5	1.8	1.9	2.4	3.6	4.3	3.2	2.7	4.2	
OTHER HEMORRHAGE	0.9	1.1	1.2	1.1	1.5	1.1	1.8	1.3	1.5	
SEPTICEMIA	26.3	29.0	24.4	31.4	39.1	36.1	40.8	37.8	40.8	
PULMONARY INFECTION	4.9	3.3	2.6	5.2	8.3	10.6	7.0	6.0	9.7	
VIRAL INFECTION	0.4	0.2	0.2	0.4	0.4	0.7	0.3	0.1	0.7	
AIDS	0.3	<0.05	0.3	0.1	0.1	0.1	0.1	0.1	<0.05	
OTHER INFECTION	0.8	1.4	1.2	1.2	1.9	1.5	2.2	1.5	2.1	
CACHEXIA	1.6	1.5	1.0	1.9	3.7	3.1	4.0	2.9	4.1	
MALIGNANT DISEASE	3.8	3.4	3.6	3.9	8.2	10.5	6.9	8.4	8.5	
OTHER CAUSE	24.9	25.1	16.9	32.9	42.5	40.5	43.7	28.8	52.9	
UNKNOWN CAUSE	37.9	35.1	26.7	45.9	59.6	67.3	55.1	47.2	69.6	
Years at risk	20366	24464	19035	22547	40509	14959	25550	14956	23045	
Patients	27695	32545	24158	31829	57032	21569	35463	19705	33971	

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.4 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993,
 Modality group: 2 Hemodialysis Pts, 60 days on hemo,
 At risk until death, Tx, or end of year,
 AND 2PT PAT Primary disease group Not diabetes

	Age: 0-64													
	Age: All					Age: 0-44								
	All	Male	Female	Asian	Black	Native	White	All	Male	Female	Black	White		
All	208.6	211.0	205.8	125.8	158.3	172.0	250.3	40.4	75.6	79.8	69.1	88.0	65.0	143.1
ACUTE M I.	18.9	20.5	17.1	12.7	12.5	17.1	24.0	0.5	3.7	3.7	3.8	3.7	3.8	14.4
HYPERKALEMIA	4.4	4.4	4.5	4.3	2.7	5.1	5.7	2.0	3.4	3.6	3.1	3.1	3.8	3.0
PERICARDITIS	0.5	0.6	0.4	0.3	0.6	0.6	0.5	.	0.6	0.7	0.3	0.8	0.3	0.5
ATHEROSCLEROTIC H. D.	8.4	8.3	8.6	3.6	4.3	6.3	11.7	.	0.5	0.5	0.5	0.5	0.6	3.5
CARDIOMYOPATHY	8.8	10.1	7.2	5.8	4.9	5.7	11.8	1.5	2.1	2.5	1.6	2.2	2.2	5.5
CARDIAC ARRHYTHMIA	12.6	13.4	11.6	9.2	9.3	6.8	15.3	4.0	3.8	3.9	3.6	4.2	3.4	8.6
CARDIAC ARREST	34.1	33.8	34.6	20.0	28.3	29.0	39.3	3.5	11.6	12.6	10.1	13.8	10.0	23.3
VALVULAR HEART DIS.	1.7	1.7	1.7	0.7	1.1	3.4	2.1	0.5	0.9	1.0	0.8	0.9	1.1	1.1
PULMONARY EDEMA*	2.0	2.0	1.9	1.2	1.3	2.3	2.5	1.5	0.9	1.1	0.7	1.1	0.7	1.5
CEREBRO-VASCULAR DIS.	10.8	9.3	12.7	9.9	9.8	8.5	11.7	3.5	4.1	3.9	4.5	4.8	3.5	7.3
G. I. HEMORRHAGE	2.8	2.6	2.9	2.1	2.2	2.3	3.2	0.5	0.8	0.6	1.1	1.0	0.6	2.2
OTHER HEMORRHAGE	2.1	2.1	2.1	1.5	1.6	1.7	2.5	0.5	0.9	1.1	0.6	0.7	1.1	1.7
SEPTICEMIA	18.0	16.4	20.0	12.2	16.7	12.0	19.4	5.0	7.5	7.3	7.8	8.8	6.4	14.4
PULMONARY INFECTION	5.9	6.6	5.0	5.9	3.7	6.8	7.4	1.0	1.7	2.0	1.0	2.2	1.1	3.0
VIRAL INFECTION	0.4	0.4	0.3	1.0	0.2	0.6	0.5	.	0.3	0.4	0.2	0.3	0.3	0.3
AIDS	2.1	3.1	0.8	0.1	4.5	2.3	0.4	.	6.9	9.3	3.0	11.9	1.4	1.4
OTHER INFECTION	0.9	0.8	1.0	0.4	0.8	0.6	1.0	.	0.6	0.7	0.5	0.7	0.6	0.7
CACHEXIA	2.4	2.0	2.8	1.6	1.4	1.7	3.1	.	0.3	0.3	0.4	0.3	0.4	1.0
MALIGNANT DISEASE	10.1	11.6	8.2	4.3	7.1	5.1	12.7	1.0	1.5	1.2	1.9	0.9	2.3	8.5
OTHER CAUSE	27.4	26.6	28.5	13.2	18.5	26.8	34.7	8.0	9.9	9.6	10.5	10.5	9.9	18.3
UNKNOWN CAUSE	34.4	34.8	33.9	15.7	27.0	27.3	40.9	7.5	13.6	13.8	13.4	15.9	11.4	22.8
Years at risk	218260	119569	98691	6748	87451	1756	121734	2007	49444	30268	19175	25355	21559	71836
Patients	282356	156185	126171	8483	107661	2263	163229	2843	61281	37751	23530	30817	27297	89396

	Age: 45 - 64					Age: 65+				
	Male, Female, Black, White, All					Male, Female, Black, White, All				
	All	Male	Female	Black	White	All	Male	Female	Black	White
All	150.8	133.6	121.0	167.4	331.0	345.6	315.7	269.9	362.6	
ACUTE M I.	16.1	12.4	11.5	17.8	30.7	34.9	26.2	22.1	34.6	
HYPERKALEMIA	2.9	3.0	1.9	4.0	6.1	6.1	3.3	7.3		
PERICARDITIS	0.7	0.3	0.6	0.5	0.5	0.5	0.3	0.5		
ATHEROSCLEROTIC H. D.	3.6	3.3	2.2	4.9	16.5	17.1	15.8	10.5	19.4	
CARDIOMYOPATHY	6.5	4.3	4.0	7.1	14.8	17.8	11.7	8.5	17.8	
CARDIAC ARRHYTHMIA	9.5	7.4	7.2	10.2	20.4	22.8	17.9	16.4	22.4	
CARDIAC ARREST	24.5	21.9	21.4	25.6	54.7	55.2	54.2	50.4	57.4	
VALVULAR HEART DIS.	1.2	1.1	0.7	1.5	2.5	2.5	2.5	1.8	2.9	
PULMONARY EDEMA*	1.4	1.5	1.0	1.9	2.9	3.2	2.6	1.9	3.4	
CEREBRO-VASCULAR DIS.	7.0	7.7	7.3	7.4	17.1	14.6	19.8	17.5	17.0	
G. I. HEMORRHAGE	2.2	2.1	1.9	2.4	4.3	4.3	4.3	3.6	4.7	
OTHER HEMORRHAGE	1.6	1.7	1.3	2.0	3.1	3.1	3.1	2.6	3.4	
SEPTICEMIA	13.9	15.0	13.5	15.4	26.5	24.4	28.7	28.0	26.1	
PULMONARY INFECTION	3.3	2.7	2.2	3.7	10.3	12.2	8.3	7.0	11.7	
VIRAL INFECTION	0.3	0.2	0.1	0.3	0.5	0.6	0.5	0.3	0.6	
AIDS	2.1	0.7	2.6	0.5	0.1	0.1	0.1	0.1	0.1	
OTHER INFECTION	0.7	0.7	0.5	0.9	1.1	0.9	1.3	1.1	1.2	
CACHEXIA	0.9	1.1	0.7	1.4	4.6	4.1	5.1	3.4	5.1	
MALIGNANT DISEASE	9.3	7.6	6.3	11.1	15.9	20.2	11.4	13.9	17.2	
OTHER CAUSE	18.9	17.6	14.0	22.8	43.9	43.8	44.0	31.5	50.1	
UNKNOWN CAUSE	24.1	21.2	20.0	26.1	54.5	57.2	51.8	45.7	59.7	
Years at risk	39550	32286	33386	35346	94973	48648	46325	27932	63748	
Patients	49806	39590	39941	45661	128836	67049	61787	35841	88704	

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.4 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993.
 Modality group: 3 CAPD/CCPD Pts, 60 days on CAPD/CCPD.
 At risk until death, Tx, or end of year.
 AND 2PT PAT Primary disease group All

	Age: 0 - 64													
	Age: All					Age: 0 - 19		Age: 20 - 44						
	All	Male	Female	Asian	Black	Native	White	All	Male	Female	Black	White	All	
All	234.4	246.2	221.6	117.9	171.5	202.3	261.5	52.2	104.6	120.4	88.6	111.4	105.8	218.6
ACUTE M I.	26.0	30.4	21.2	13.8	16.2	31.8	29.8	1.3	9.0	10.4	7.6	6.6	10.6	27.7
HYPERKALEMIA	3.2	3.7	2.7	0.7	1.8	3.8	3.8	2.0	2.2	2.8	1.5	2.3	2.1	2.4
PERICARDITIS	0.5	0.6	0.5	0.7	0.5		0.6		0.7	1.0	0.5	1.0	0.7	0.4
ATHEROSCLEROTIC H. D.	11.1	12.2	10.0	5.1	4.9	6.4	13.7		1.6	1.9	1.4	1.0	2.1	9.3
CARDIOMYOPATHY	13.2	16.0	10.2	8.7	6.4	14.0	15.8	2.0	4.5	4.9	4.0	3.9	5.1	11.4
CARDIAC ARRHYTHMIA	13.3	15.0	11.5	5.1	8.5	11.5	15.3	0.7	5.7	6.6	4.8	3.3	7.0	13.1
CARDIAC ARREST	36.2	39.0	33.3	19.6	27.4	29.3	40.2	7.4	15.9	19.1	12.8	13.6	18.0	33.7
VALVULAR HEART DIS.	1.6	1.6	1.7	0.7	1.1		1.9	0.7	0.6	0.5	0.6	0.6	0.6	1.3
PULMONARY EDEMA*	1.4	1.6	1.3	1.5	1.2	3.8	1.5	1.3	0.7	0.7	0.6	1.2	0.5	1.6
CEREBRO-VASCULAR DIS.	14.0	12.5	15.7	12.4	9.8	16.5	15.5	2.0	5.6	5.6	5.6	3.1	6.8	12.8
G. I. HEMORRHAGE	2.0	2.3	1.7		1.4	1.3	2.3		0.4	0.7	0.1	0.2	0.6	1.7
OTHER HEMORRHAGE	1.3	1.4	1.3		1.2		1.5	0.7	0.6	0.4	0.8	0.8	0.4	1.3
SEPTICEMIA	28.7	25.9	31.9	13.1	25.1	28.0	30.7	10.0	15.5	15.5	15.5	15.4	16.3	27.6
PULMONARY INFECTION	4.7	5.2	4.2	3.6	3.3	8.9	5.1	3.3	2.4	2.8	1.9	3.3	2.0	3.3
VIRAL INFECTION	0.3	0.4	0.2	0.7	0.3		0.3		0.4	0.5	0.3	0.4	0.3	0.2
AIDS	2.7	4.4	0.9	0.7	9.2		0.6		7.9	13.0	2.8	21.0	1.8	1.0
OTHER INFECTION	1.9	1.6	2.3		0.9	1.3	2.4	0.7	0.7	0.5	0.9	0.8	0.7	2.1
CACHEXIA	3.2	2.7	3.7	1.5	2.1	1.3	3.7		1.4	1.2	1.6	1.0	1.8	2.8
MALIGNANT DISEASE	5.4	6.2	4.6	2.9	3.4	2.5	6.3	2.0	1.1	1.1	1.0	1.0	1.2	4.8
OTHER CAUSE	30.8	29.7	32.0	11.6	20.9	24.2	35.1	10.0	14.7	15.3	14.1	14.4	15.5	28.3
UNKNOWN CAUSE	32.7	34.0	31.1	15.3	25.9	17.8	36.0	8.0	13.1	15.8	10.3	16.6	11.9	31.7
Years at risk	55373	28911	26462	1374	13810	786	39298	1494	16072	8084	7988	5135	10173	21737
Patients	75798	40069	35729	1799	17792	1046	55016	2116	21333	10978	10355	6488	13868	29217

	Age: 45 - 64									
	Age: 45 - 64					Age: 65+				
	All	Male	Female	Black	White	All	Male	Female	Black	White
All	229.9	206.8	164.3	243.8	402.7	397.9	408.6	341.6	417.5	417.5
ACUTE M I.	33.0	22.2	18.0	31.3	42.9	47.7	36.9	34.9	45.0	45.0
HYPERKALEMIA	3.0	1.9	0.8	3.2	5.4	5.5	5.2	3.0	5.9	5.9
PERICARDITIS	0.4	0.4		0.6	0.6	0.4	0.7	0.9	0.5	0.5
ATHEROSCLEROTIC H. D.	10.4	8.1	5.3	11.1	24.2	24.8	23.5	12.9	26.5	26.5
CARDIOMYOPATHY	13.8	8.9	7.0	13.0	25.4	29.8	19.8	11.2	28.1	28.1
CARDIAC ARRHYTHMIA	15.6	10.5	10.8	14.2	22.5	23.3	21.4	15.5	24.1	24.1
CARDIAC ARREST	36.6	30.7	27.0	37.0	62.7	62.7	62.6	61.7	63.4	63.4
VALVULAR HEART DIS.	1.3	1.3	1.5	1.4	3.1	2.9	3.4	1.3	3.5	3.5
PULMONARY EDEMA*	1.7	1.5	1.0	1.8	2.0	2.0	2.0	1.3	2.0	2.0
CEREBRO-VASCULAR DIS.	11.6	14.0	12.0	13.1	25.2	21.0	30.5	20.7	25.8	25.8
G. I. HEMORRHAGE	1.7	1.8	1.8	1.8	4.1	4.7	3.4	3.5	4.3	4.3
OTHER HEMORRHAGE	1.3	1.2	1.0	1.5	2.2	2.5	2.0	2.6	2.3	2.3
SEPTICEMIA	25.0	30.3	25.0	29.2	45.3	37.8	54.6	48.7	44.9	44.9
PULMONARY INFECTION	3.3	3.2	2.7	3.3	9.1	9.8	8.2	5.2	9.6	9.6
VIRAL INFECTION	0.4		0.2	0.2	0.3	0.2	0.4	0.4	0.3	0.3
AIDS	1.8	0.1	3.0	0.2	0.1	0.2		0.4	0.1	0.1
OTHER INFECTION	1.9	2.4	0.8	2.7	3.0	2.4	3.9	1.7	3.4	3.4
CACHEXIA	2.2	3.5	1.8	3.4	5.8	5.0	6.7	5.6	5.8	5.8
MALIGNANT DISEASE	4.9	4.7	2.7	6.0	10.8	12.6	8.7	10.8	10.8	10.8
OTHER CAUSE	27.0	29.7	18.5	32.8	52.2	48.1	57.3	43.1	54.5	54.5
UNKNOWN CAUSE	32.8	30.5	23.5	35.9	55.8	54.3	57.7	56.1	56.8	56.8
Years at risk	11128	10609	6008	14740	16070	8912	7158	2318	13299	13299
Patients	15133	14084	7622	20293	23132	12839	10293	3193	19324	19324

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.4 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993.
 Modality group: 3 CAPD/CCPD Pts, 60 days on CAPD/CCPD,
 At risk until death, Tx, or end of year,
 AND 2PT PAT Primary disease group Diabetes

	Age: 0 - 64																	
	Age: All					Age: 0 - 19					Age: 20 - 44							
	All	Male	Female	Asian	Black	Native	White	All	Male	Female	Black	White	All	Male	Female	Black	White	
All	316.8	313.0	320.7	241.9	230.4	238.1	347.0	92.8	169.9	172.0	167.4	156.1	174.8	301.6				
ACUTE M I.	39.0	41.5	36.3	39.8	24.6	37.1	43.3		19.7	21.4	17.8	14.3	20.8	41.8				
HYPERKALEMIA	4.4	5.3	3.3	3.1	2.0	2.2	5.2		2.9	3.8	1.9	1.4	3.0	3.8				
PERICARDITIS	0.9	1.2	0.6		0.8		1.0		1.1	1.7	0.5	1.4	1.1	0.8				
ATHEROSCLEROTIC H. D.	16.5	16.9	16.0	18.4	8.2	8.7	19.1		4.7	4.2	5.2	5.7	4.6	15.0				
CARDIOMYOPATHY	15.7	17.7	13.5	21.4	6.5	13.1	18.2		6.9	7.1	6.6	5.7	7.3	13.1				
CARDIAC ARRHYTHMIA	20.3	23.4	17.0	9.2	13.6	17.5	22.6		11.1	11.3	10.8	7.2	11.9	20.7				
CARDIAC ARREST	53.0	54.4	51.6	42.9	42.6	35.0	57.0		31.4	31.9	31.0	28.6	32.6	47.3				
VALVULAR HEART DIS.	1.0	0.8	1.1		0.6		1.1		0.2		0.5		0.3	0.5				
PULMONARY EDEMA*	1.9	2.0	1.9	3.1	1.4	6.6	1.9							2.8				
CEREBRO-VASCULAR DIS.	22.9	20.1	25.8	30.6	18.4	21.8	24.0		12.6	10.9	14.5	7.2	13.5	22.2				
G. I. HEMORRHAGE	2.1	2.2	1.9		1.7		2.3		0.7	0.8	0.5		0.8	1.9				
OTHER HEMORRHAGE	0.7	0.8	0.5		0.6		0.7		0.4	0.4	0.5		0.5	0.6				
SEPTICEMIA	41.9	36.2	48.0	24.5	40.7	28.4	43.3		25.2	23.5	27.2	25.8	25.9	40.8				
PULMONARY INFECTION	5.3	5.0	5.7	3.1	3.7	8.7	5.7		3.1	3.4	2.8	5.7	2.7	3.6				
VIRAL INFECTION	0.2		0.5		0.3		0.2		0.2		0.5		0.3					
AIDS	0.5	0.8	0.1		0.6		0.5		1.3	2.1	0.5	1.4	1.3	0.1				
OTHER INFECTION	2.4	1.7	3.2		1.1	2.2	2.9		0.7	0.4	0.9	1.4	0.5	2.9				
CACHEXIA	3.8	3.5	4.0	3.1	2.3	2.2	4.3		3.1	3.8	2.3	2.9	3.2	3.0				
MALIGNANT DISEASE	2.4	1.9	3.0	6.1	1.1	2.2	2.7		0.7		1.4		0.8	1.5				
OTHER CAUSE	37.9	34.2	41.8	9.2	25.1	28.4	42.8		26.1	26.4	25.8	24.4	27.0	34.3				
UNKNOWN CAUSE	44.2	43.5	44.9	27.6	34.7	24.0	48.2	92.8	17.7	18.9	16.4	22.9	16.7	45.1				
Years at risk	16525	8462	8063	327	3541	458	12183	11	4516	2383	2132	698	3708	7990				
Patients	24222	12381	11841	465	4833	619	18279	16	6530	3465	3065	945	5434	11418				

	Age: 45 - 64										Age: 65+																			
	Age: All					Age: Male					Age: Female					Age: All					Age: Male					Age: Female				
	All	Male	Female	Black	White	All	Male	Female	Black	White	All	Male	Female	Black	White	All	Male	Female	Black	White	All	Male	Female	Black	White					
All	305.2	297.8	194.9	350.7	513.1	502.6	523.1	403.9	548.7																					
ACUTE M I.	44.6	38.8	20.4	49.9	55.1	59.4	51.0	46.2	58.8																					
HYPERKALEMIA	5.3	2.1	1.4	5.0	7.2	7.2	7.3	4.1	8.1																					
PERICARDITIS	1.0	0.5		1.1	1.0	1.0	1.0	2.7	0.7																					
ATHEROSCLEROTIC H. D.	17.2	12.7	6.2	18.7	32.7	31.8	33.5	16.3	37.4																					
CARDIOMYOPATHY	15.3	10.9	6.2	15.4	30.7	35.9	25.8	8.2	36.4																					
CARDIAC ARRHYTHMIA	26.0	15.0	14.7	23.4	29.9	32.8	27.2	16.3	34.1																					
CARDIAC ARREST	51.0	43.4	32.3	54.7	88.8	89.1	88.5	85.7	90.7																					
VALVULAR HEART DIS.	0.7	0.3	0.5	0.6	2.7	2.0	3.4	1.4	3.3																					
PULMONARY EDEMA*	2.9	2.6	1.4	3.0	2.5	2.6	2.4	2.7	2.3																					
CEREBRO-VASCULAR DIS.	20.6	23.8	20.0	23.4	35.9	30.2	41.3	24.5	37.7																					
G. I. HEMORRHAGE	1.7	2.1	1.9	2.0	4.0	5.1	2.9	2.7	4.6																					
OTHER HEMORRHAGE	0.7	0.5	0.5	0.7	1.0	1.5	0.5	1.4	1.0																					
SEPTICEMIA	34.7	47.3	35.6	44.5	63.1	54.8	71.0	69.4	62.4																					
PULMONARY INFECTION	1.7	5.7	2.4	3.9	11.2	13.8	8.8	5.4	12.7																					
VIRAL INFECTION					0.7		1.5	1.4	0.7																					
AIDS	0.2		0.5		0.2	0.5		0.3																						
OTHER INFECTION	1.7	4.1	1.0	3.7	3.5	3.1	3.9	1.4	4.2																					
CACHEXIA	2.7	3.4	1.4	3.9	6.0	5.1	6.8	4.1	6.2																					
MALIGNANT DISEASE	1.5	1.6	1.0	1.9	6.2	5.1	7.3	2.7	6.5																					
OTHER CAUSE	30.8	38.0	18.5	42.1	58.4	50.7	65.6	44.9	63.1																					
UNKNOWN CAUSE	44.9	45.2	29.0	52.9	72.1	70.7	73.4	62.6	77.7																					
Years at risk	4121	3869	2104	5392	4009	1952	2057	735	3077																					
Patients	5885	5533	2810	7939	6258	3024	3234	1073	4895																					

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.4 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993.
 Modality group: 3 CAPD/CCPD Pts, 60 days on CAPD/CCPD.
 At risk until death, Tx, or end of year,
 AND 2PT PAT Primary disease group Not diabetes

	Age: 0 - 64																		
	Age: All					Age: 0 - 19					Age: 20 - 44								
	All	Male	Female	Asian	Black	Native	White	All	All	Male	Female	Black	White	All	All	Male	Female	Black	White
All	190.9	210.8	168.7	75.1	142.6	150.6	214.7	50.1	72.7	91.4	54.5	99.0	58.4	160.2					
ACUTE M I.	19.7	24.8	13.9	5.8	12.2	22.0	23.1	1.4	4.5	5.4	3.7	5.5	4.1	18.5					
HYPERKALEMIA	2.6	2.8	2.3		1.5	6.3	3.1	2.1	1.6	2.2	1.0	2.1	1.3	1.7					
PERICARDITIS	0.3	0.4	0.3	1.0	0.4		0.3		0.5	0.7	0.3	0.9	0.3	0.2					
ATHEROSCLEROTIC H. D.	8.6	9.8	7.1	1.0	3.2	3.1	11.0		0.4	0.7			0.6	5.6					
CARDIOMYOPATHY	12.0	14.9	8.6	3.9	5.9	15.7	14.6	1.4	3.2	3.6	2.8	3.2	3.5	10.0					
CARDIAC ARRHYTHMIA	9.9	10.9	8.6	3.9	6.3	3.1	11.6	0.7	3.1	4.0	2.3	2.3	3.7	8.0					
CARDIAC ARREST	27.8	31.8	23.3	11.6	21.2	22.0	31.1	7.6	8.4	11.9	5.1	10.8	7.3	24.0					
VALVULAR HEART DIS.	1.9	1.9	1.8	1.0	1.2		2.2	0.7	0.6	0.7	0.5	0.7	0.6	1.7					
PULMONARY EDEMA*	1.2	1.3	1.1	1.0	1.0		1.3	1.4	0.9	0.9	0.9	1.4	0.6	0.8					
CEREBRO-VASCULAR DIS.	9.5	8.9	10.3	5.8	6.6	9.4	10.8	1.4	2.8	3.4	2.3	2.5	2.9	6.5					
G. I. HEMORRHAGE	1.8	2.2	1.4		1.3		2.1		0.4	0.7		0.2	0.5	1.7					
OTHER HEMORRHAGE	1.6	1.7	1.5		1.3		1.8	0.7	0.4	0.4	0.5	0.7	0.2	1.7					
SEPTICEMIA	21.8	20.5	23.3	9.6	17.9	28.2	23.8	9.6	10.2	10.3	10.1	11.5	9.7	18.8					
PULMONARY INFECTION	4.3	5.2	3.3	3.9	3.0	9.4	4.7	3.4	2.0	2.5	1.6	3.0	1.4	2.9					
VIRAL INFECTION	0.3	0.5	0.1	1.0	0.3		0.3		0.4	0.5	0.2	0.5	0.3	0.4					
AIDS	3.7	5.9	1.2	1.0	12.4		0.6		10.5	17.6	3.7	24.4	1.9	1.4					
OTHER INFECTION	1.7	1.5	1.9		0.9		2.1	0.7	0.6	0.4	0.9	0.7	0.6	1.6					
CACHEXIA	2.9	2.3	3.4	1.0	2.0		3.3		0.8	0.2	1.4	0.7	1.0	2.6					
MALIGNANT DISEASE	6.6	7.7	5.3	1.9	4.2	3.1	7.7	2.1	1.1	1.3	0.9	1.2	1.1	6.6					
OTHER CAUSE	27.0	27.4	26.5	12.5	18.5	18.8	30.9	10.3	9.9	10.6	9.3	12.4	8.6	23.4					
UNKNOWN CAUSE	26.0	28.5	23.2	9.6	21.3	9.4	28.7	6.9	10.3	13.5	7.2	14.3	8.3	22.2					
Years at risk	37535	19823	17712	1039	9908	319	26194	1456	11282	5557	5726	4341	6296	13263					
Patients	49687	26766	22921	1321	12467	415	35388	2064	14438	7321	7117	5417	8206	17099					

	Age: 45 - 64										Age: 65+											
	Age: 45 - 64					Age: 65+					Age: 45 - 64					Age: 65+						
	All	Male	Female	Black	White	All	Male	Female	Black	White	All	All	Male	Female	Black	White	All	All	Male	Female	Black	White
All	175.9	143.8	137.6	172.0	359.7	363.5	354.5	304.3	372.0													
ACUTE M I.	25.0	11.7	14.9	20.0	38.1	43.1	31.0	27.1	40.4													
HYPERKALEMIA	1.5	1.9	0.5	2.1	4.7	4.9	4.3	2.0	5.2													
PERICARDITIS	0.1	0.3		0.3	0.3	0.3	0.4		0.3													
ATHEROSCLEROTIC H. D.	6.3	4.8	4.3	6.3	21.1	22.1	19.6	10.8	23.0													
CARDIOMYOPATHY	12.5	7.4	6.9	11.2	24.1	28.4	18.2	12.2	26.2													
CARDIAC ARRHYTHMIA	8.7	7.3	7.7	8.3	19.8	20.3	19.0	15.6	20.8													
CARDIAC ARREST	26.6	21.2	23.2	24.5	53.7	56.1	50.3	48.8	55.2													
VALVULAR HEART DIS.	1.8	1.7	1.9	1.8	3.4	3.3	3.5	1.4	3.7													
PULMONARY EDEMA*	0.9	0.8	0.5	1.0	1.8	1.8	1.9	0.7	1.9													
CEREBRO-VASCULAR DIS.	5.3	7.7	7.2	6.2	20.6	18.1	24.2	18.3	21.2													
G. I. HEMORRHAGE	1.6	1.7	1.6	1.8	3.7	4.3	2.9	4.1	3.8													
OTHER HEMORRHAGE	1.8	1.7	1.3	2.0	2.7	2.8	2.5	3.4	2.7													
SEPTICEMIA	18.3	19.3	18.1	19.3	38.2	32.4	46.3	37.3	38.5													
PULMONARY INFECTION	4.1	1.7	2.7	2.9	8.2	8.7	7.4	4.7	8.5													
VIRAL INFECTION	0.7		0.3	0.3	0.2	0.3			0.2													
AIDS	2.6	0.2	4.3	0.3	0.1	0.1			0.7													
OTHER INFECTION	1.8	1.4	0.8	2.0	2.9	2.1	4.1	2.0	3.2													
CACHEXIA	1.9	3.2	2.1	2.9	5.5	4.8	6.6	6.1	5.5													
MALIGNANT DISEASE	6.6	6.5	3.5	8.2	12.5	14.6	9.5	15.6	12.0													
OTHER CAUSE	23.4	23.3	16.8	26.2	49.9	47.5	53.4	42.0	51.7													
UNKNOWN CAUSE	24.3	19.9	18.9	24.5	48.2	47.5	49.2	51.5	48.1													
Years at risk	6794	6469	3749	9035	11534	6698	4835	1475	9809													
Patients	8919	8180	4597	11894	16086	9424	6662	1974	13797													

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.4 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993.
 Modality group: 4 All Pts with functioning TX.
 At risk until death or end of year.
 AND 2PT PAT Primary disease group All

	Age: 0-64													
	Age: All					Age: 0-19		Age: 20-44						
	All	Male	Female	Asian	Black	Native	White	All	Male	Female	Black	White	All	
All	29.1	32.3	24.4	20.9	36.4	25.8	28.3	6.8	17.0	17.6	16.1	19.6	16.9	44.0
ACUTE M I.	2.6	3.0	2.0	1.4	2.7	2.3	2.6	0.1	1.5	1.7	1.2	1.2	1.6	4.1
HYPERKALEMIA	0.1	0.1	0.1	..	0.1	..	0.1	..	0.1	0.1	0.1	0.2	0.1	0.1
PERICARDITIS	<0.05	0.1	..	..	0.1	..	<0.05	..	<0.05	<0.05	..	0.2	..	<0.05
ATHEROSCLEROTIC H. D.	0.4	0.4	0.4	0.4	0.4	..	0.4	..	0.2	0.1	0.2	0.2	0.2	0.6
CARDIOMYOPATHY	0.3	0.3	0.4	0.6	0.4	0.6	0.3	..	0.2	0.2	0.3	0.2	0.2	0.4
CARDIAC ARRHYTHMIA	0.6	0.7	0.5	0.6	0.7	0.6	0.6	0.4	0.3	0.3	0.3	0.6	0.3	0.9
CARDIAC ARREST	2.3	2.6	1.9	2.0	3.4	1.2	2.1	0.6	1.4	1.4	1.4	1.4	1.4	3.6
VALVULAR HEART DIS.	<0.05	<0.05	<0.05	0.2	<0.05	0.6	<0.05	..	<0.05	<0.05	<0.05	..	<0.05	0.1
PULMONARY EDEMA*	0.1	0.1	0.1	..	0.2	..	0.1	..	0.1	0.1	0.1	0.2	0.1	0.2
CEREBRO-VASCULAR DIS.	1.3	1.2	1.4	0.6	1.7	0.6	1.3	0.5	1.0	0.7	1.4	1.0	1.0	1.8
G. I. HEMORRHAGE	0.1	0.1	0.2	..	0.3	..	0.1	..	0.1	0.1	0.1	0.2	<0.05	0.2
OTHER HEMORRHAGE	0.3	0.3	0.3	..	0.3	..	0.3	0.4	0.2	0.1	0.3	0.4	0.1	0.5
SEPTICEMIA	2.0	2.0	2.0	1.0	3.2	4.1	1.8	0.6	1.2	1.2	1.3	2.2	1.0	2.9
PULMONARY INFECTION	0.8	0.9	0.7	1.4	1.1	0.6	0.7	0.4	0.6	0.6	0.5	0.7	0.5	1.1
VIRAL INFECTION	0.4	0.4	0.4	0.8	0.5	..	0.4	0.5	0.4	0.4	0.3	0.5	0.4	0.5
AIDS	0.1	0.1	0.1	..	0.3	..	<0.05	..	0.1	0.1	0.1	0.3	<0.05	0.1
OTHER INFECTION	0.2	0.3	0.1	0.4	0.1	..	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.3
CACHEXIA	<0.05	<0.05	<0.05	..	<0.05	..	<0.05	..	<0.05	<0.05	<0.05	..	<0.05	0.1
MALIGNANT DISEASE	1.8	2.1	1.5	0.8	2.3	1.8	1.8	0.6	0.7	0.7	0.7	0.9	0.7	3.0
OTHER CAUSE	3.2	3.5	2.9	2.3	3.8	5.3	3.1	1.1	2.3	2.4	2.2	2.5	2.4	4.3
UNKNOWN CAUSE	12.3	14.2	9.5	8.2	14.5	8.2	12.2	1.7	6.5	7.1	5.7	6.6	6.6	19.3
Years at risk	156969	94482	62487	4884	24696	1705	123193	8352	84917	49829	35088	12561	67551	56815
Patients	161808	97462	64346	4982	25394	1754	126976	8782	87094	51074	36020	12837	69282	58707

	Age: 45-64					Age: 65+				
	Age: All					Age: 45-64		Age: 65+		
	All	Male	Female	Black	White	All	Male	Female	Black	White
All	49.2	35.6	55.4	42.3	83.4	90.6	70.5	93.1	82.9	..
ACUTE M I.	4.8	3.1	4.5	4.1	6.7	7.5	5.2	7.1	6.8	..
HYPERKALEMIA	0.1	0.1	0.1	0.1	0.3	0.5	..	..	0.3	..
PERICARDITIS	0.1	..	..	<0.05	0.1	0.2	..	..	0.2	..
ATHEROSCLEROTIC H. D.	0.6	0.6	0.6	0.6	1.3	1.4	1.2	2.4	1.0	..
CARDIOMYOPATHY	0.4	0.4	0.6	0.4	1.0	0.7	1.6	1.2	1.0	..
CARDIAC ARRHYTHMIA	1.1	0.6	0.8	0.9	2.3	2.5	2.0	2.4	2.4	..
CARDIAC ARREST	4.0	2.8	5.8	3.1	5.4	6.1	4.0	9.4	5.1	..
VALVULAR HEART DIS.	0.1	<0.05	0.1	<0.05	0.3	0.2	0.4	..	0.3	..
PULMONARY EDEMA*	0.1	0.2	0.2	0.2	0.3	0.5	..	..	0.3	..
CEREBRO-VASCULAR DIS.	1.9	1.5	2.7	1.6	2.3	2.0	2.8	3.5	2.3	..
G. I. HEMORRHAGE	0.2	0.3	0.4	0.2	0.3	0.2	0.4	..	0.3	..
OTHER HEMORRHAGE	0.5	0.4	0.1	0.6	0.3	0.2	0.4	..	0.3	..
SEPTICEMIA	2.8	3.1	4.2	2.6	5.1	5.7	4.0	5.9	5.2	..
PULMONARY INFECTION	1.3	0.9	1.6	1.0	1.9	1.8	2.0	3.5	1.7	..
VIRAL INFECTION	0.4	0.6	0.5	0.4	0.6	0.5	0.8	1.2	0.5	..
AIDS	0.1	<0.05	0.3	..	..	..	..	..	..	..
OTHER INFECTION	0.3	0.1	0.1	0.3	0.4	0.2	0.8	..	0.5	..
CACHEXIA	0.1	<0.05	0.1	<0.05	..	..	..	..	..	..
MALIGNANT DISEASE	3.4	2.4	3.8	2.9	8.1	8.9	6.8	9.4	8.2	..
OTHER CAUSE	4.6	3.9	5.7	4.1	7.4	8.2	6.0	4.7	7.0	..
UNKNOWN CAUSE	22.3	14.4	23.2	19.0	39.2	43.4	31.8	42.4	39.0	..
Years at risk	35196	21620	10195	43240	6885	4402	2483	849	5717	..
Patients	36425	22282	10523	44680	7225	4633	2592	896	5998	..

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.4 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993.

Modality group: 4 All Pts with functioning TX.

At risk until death or end of year.

AND 2PT PAT Primary disease group Diabetes

	Age: 0-64													
	Age: All					Age: 0-19		Age: 20-44						
	All	Male	Female	Asian	Black	Native	White	All	Male	Female	Black	White	All	
All	48.0	52.3	41.6	36.4	58.2	44.8	47.2	33.6	34.2	32.8	31.4	34.3	69.4	
ACUTE M I.	5.8	6.5	4.7	1.8	7.5	7.1	5.6	4.4	5.2	3.4	3.7	4.6	8.2	
HYPERKALEMIA	0.3	0.3	0.3				0.4	0.2	0.3	0.1		0.2	0.3	
PERICARDITIS	0.1	0.1			0.3		<0.05	0.1	0.1		0.7		0.1	
ATHEROSCLEROTIC H. D.	0.7	0.7	0.8				0.8	0.5	0.5	0.6		0.6	1.1	
CARDIOMYOPATHY	0.5	0.5	0.6		0.9		0.5	0.4	0.4	0.5	0.7	0.4	0.6	
CARDIAC ARRHYTHMIA	1.3	1.2	1.3	1.8	1.2		1.3	0.6	0.5	0.9	0.7	0.7	2.0	
CARDIAC ARREST	4.7	5.3	3.7	7.3	5.7	2.4	4.5	3.2	3.2	3.4	2.2	3.2	6.9	
VALVULAR HEART DIS.	0.1	0.1					0.1	0.1	0.1			0.1		
PULMONARY EDEMA*	0.1	0.2			0.3		0.1	0.1	0.2			0.1	0.2	
CEREBRO-VASCULAR DIS.	2.9	2.7	3.2		3.3		2.9	2.5	1.8	3.4	2.2	2.6	3.6	
G. I. HEMORRHAGE	0.1	0.1	0.1				0.1						0.3	
OTHER HEMORRHAGE	0.2	0.1	0.4				0.3	0.3	0.1	0.5		0.3	0.2	
SEPTICEMIA	3.1	3.1	3.3		5.7	7.1	2.8	1.5	1.1	2.0	3.0	1.3	5.8	
PULMONARY INFECTION	1.4	1.5	1.2	5.5	2.7	2.4	1.1	1.0	0.9	1.1	0.7	1.0	1.9	
VIRAL INFECTION	0.6	0.6	0.5				0.7	0.6	0.8	0.4		0.7	0.6	
AIDS	<0.05	0.1			0.3			0.1	0.1		0.7			
OTHER INFECTION	0.2	0.3	0.1				0.3	0.2	0.2	0.1		0.2	0.4	
CACHEXIA	0.1	0.2	0.1				0.2	0.2	0.2	0.1		0.2	0.1	
MALIGNANT DISEASE	1.7	1.6	1.7	1.8	1.5	2.4	1.7	0.9	0.8	1.1	0.7	1.0	2.5	
OTHER CAUSE	5.5	5.9	4.9	7.3	6.6	11.8	5.2	4.3	4.2	4.3	4.5	4.3	7.0	
UNKNOWN CAUSE	18.7	21.3	14.9	10.9	22.2	11.8	18.6	12.6	13.8	10.9	11.2	12.9	27.7	
Years at risk	29576	17659	11917	550	3331	424	25140	24	18484	10432	8052	1337	16671	10347
Patients	30815	18403	12412	565	3458	442	26210	26	19193	10820	8373	1385	17315	10831

	Age: 45-64					Age: 65+					
	Male		Female		Black	Male		Female		Black	White
	All	White	All	White	All	All	White	All	White	All	
All	75.8	57.7	73.3	69.9	112.3	115.0	105.3	113.1	116.3		
ACUTE M I.	8.5	7.7	10.3	7.8	6.9	7.7	5.0	6.7	7.9		
HYPERKALEMIA		0.8		0.4	2.8	3.8			3.9		
PERICARDITIS	0.1			0.1							
ATHEROSCLEROTIC H. D.	1.0	1.1		1.4							
CARDIOMYOPATHY	0.6	0.5	1.1	0.5	1.4		5.0		2.0		
CARDIAC ARRHYTHMIA	1.9	2.2	1.1	2.3	5.5	5.8	5.0	6.7	5.9		
CARDIAC ARREST	8.1	4.6	8.1	6.8	9.7	13.4		6.7	11.8		
VALVULAR HEART DIS.					1.4	1.9			2.0		
PULMONARY EDEMA*	0.3		0.5	0.1							
CEREBRO-VASCULAR DIS.	3.9	3.0	3.8	3.8	2.8	3.8		6.7	2.0		
G. I. HEMORRHAGE	0.3	0.3		0.4							
OTHER HEMORRHAGE	0.1	0.3		0.3							
SEPTICEMIA	5.8	5.7	7.1	5.7	8.3	7.7	10.0	13.3	7.9		
PULMONARY INFECTION	2.2	1.4	3.8	1.1	2.8	3.8		6.7	2.0		
VIRAL INFECTION	0.4	0.8		0.8							
AIDS											
OTHER INFECTION	0.6			0.5							
CACHEXIA	0.1			0.1							
MALIGNANT DISEASE	2.5	2.5	1.1	2.8	8.3	7.7	10.0	13.3	7.9		
OTHER CAUSE	7.8	5.5	8.1	6.5	15.3	15.3	15.0	6.7	13.8		
UNKNOWN CAUSE	31.2	21.3	28.3	28.6	47.2	44.1	55.1	46.6	49.3		
Years at risk	6690	3657	1841	7944	721	522	199	150	507		
Patients	7016	3815	1911	8337	765	551	214	159	538		

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.

See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.

"," indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.4 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993,
 Modality group: 4 All Pts with functioning TX,
 At risk until death or end of year,
 AND 2PT PAT Primary disease group Not diabetes

	Age: 0-64													
	Age: All					Age: 0-64								
	All	Male	Female	Asian	Black	Native	White	All	Male	Female	Black	White		
All	22.4	25.2	18.2	19.1	30.2	17.9	21.0	6.5	10.9	11.6	9.8	16.9	9.4	35.0
ACUTE M I.	1.7	2.0	1.1	1.4	1.8	0.8	1.7	0.1	0.5	0.6	0.4	0.9	0.5	3.0
HYPERKALEMIA	0.1	0.1	<0.05		0.1		0.1		0.1	0.1	<0.05	0.2	<0.05	0.1
PERICARDITIS	<0.05	<0.05			<0.05		<0.05		<0.05	<0.05		0.1		
ATHEROSCLEROTIC H. D.	0.3	0.3	0.2	0.2	0.4		0.2		<0.05	0.1	<0.05	0.2	<0.05	0.5
CARDIOMYOPATHY	0.2	0.2	0.3	0.7	0.2	0.8	0.2		0.2	0.2	0.2	0.2	0.1	0.3
CARDIAC ARRHYTHMIA	0.4	0.5	0.3	0.5	0.5	0.8	0.4	0.4	0.1	0.1	0.1	0.5	0.1	0.6
CARDIAC ARREST	1.7	1.7	1.6	1.4	3.0	0.8	1.4	0.6	0.8	0.7	0.9	1.3	0.7	2.7
VALVULAR HEART DIS.	<0.05	<0.05	0.1	0.2		0.8	<0.05		<0.05		<0.05			<0.05
PULMONARY EDEMA*	0.1	0.1	0.1		0.1		0.1		<0.05	0.1	<0.05	0.2	<0.05	0.2
CEREBRO-VASCULAR DIS.	0.8	0.8	0.8	0.7	1.5	0.8	0.7	0.5	0.4	0.3	0.6	0.8	0.3	1.3
G. I. HEMORRHAGE	0.1	0.1	0.2		0.3		0.1		0.1	0.1	<0.05	0.2	<0.05	0.2
OTHER HEMORRHAGE	0.3	0.3	0.3		0.3		0.3	0.4	0.1	0.1	0.2	0.5	0.1	0.5
SEPTICEMIA	1.5	1.6	1.5	1.2	2.3	2.4	1.4	0.5	1.1	1.2	1.0	1.8	0.9	1.9
PULMONARY INFECTION	0.7	0.8	0.5	1.0	0.8		0.6	0.4	0.4	0.6	0.2	0.7	0.4	0.9
VIRAL INFECTION	0.4	0.4	0.4	1.0	0.5		0.3	0.5	0.3	0.3	0.3	0.4	0.3	0.4
AIDS	0.1	0.1	0.1		0.3		<0.05		0.1	0.1	0.1	0.3	<0.05	0.1
OTHER INFECTION	0.2	0.2	0.1	0.5	0.1		0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.2
CACHEXIA	<0.05		<0.05				<0.05							<0.05
MALIGNANT DISEASE	1.8	2.1	1.4	0.7	2.2	1.6	1.8	0.5	0.6	0.7	0.4	0.7	0.6	3.0
OTHER CAUSE	2.4	2.6	2.1	1.7	3.1	3.3	2.3	1.0	1.5	1.6	1.2	2.1	1.4	3.6
UNKNOWN CAUSE	9.6	11.2	7.3	7.9	12.2	5.7	9.3	1.4	4.3	4.7	3.8	5.8	3.9	15.6
Years at risk	116684	70516	46168	4199	20045	1230	90004	7798	60892	36242	24650	10683	46595	42401
Patients	119506	72287	47219	4275	20504	1258	92210	8165	62002	36903	25099	10866	47454	43497

	Age: 45 - 64					Age: 65+				
	Age: 45 - 64					Age: 65+				
	All	Male	Female	Black	White	All	Male	Female	Black	White
All	39.7	27.6	47.6	32.6	74.9	80.8	65.1	80.0	74.9	
ACUTE M I.	3.6	2.0	2.9	3.0	6.8	7.7	5.3	8.0	6.7	
HYPERKALEMIA	0.2		0.1	0.1						
PERICARDITIS					0.2	0.3			0.2	
ATHEROSCLEROTIC H. D.	0.5	0.4	0.8	0.4	1.4	1.7	1.0	1.6	1.3	
CARDIOMYOPATHY	0.3	0.2	0.3	0.3	1.1	0.9	1.4	1.6	1.1	
CARDIAC ARRHYTHMIA	0.9	0.2	0.6	0.6	2.0	2.0	1.9	1.6	2.1	
CARDIAC ARREST	2.8	2.4	4.9	2.2	4.8	5.1	4.3	11.2	4.2	
VALVULAR HEART DIS.	<0.05	0.1		<0.05	0.2		0.5		0.2	
PULMONARY EDEMA*	0.1	0.3	0.1	0.2	0.4	0.6			0.4	
CEREBRO-VASCULAR DIS.	1.4	1.1	2.5	1.1	2.0	1.4	2.9	3.2	1.9	
G. I. HEMORRHAGE	0.1	0.4	0.5	0.1	0.4	0.3	0.5		0.4	
OTHER HEMORRHAGE	0.6	0.4	0.1	0.6	0.4	0.3	0.5		0.4	
SEPTICEMIA	1.9	2.0	3.1	1.6	4.8	5.4	3.8	3.2	5.3	
PULMONARY INFECTION	1.1	0.7	1.2	0.9	1.6	1.4	1.9	1.6	1.7	
VIRAL INFECTION	0.4	0.5	0.6	0.3	0.7	0.6	1.0	1.6	0.6	
AIDS	0.1	0.1	0.4							
OTHER INFECTION	0.2	0.1		0.2	0.5	0.3	1.0		0.6	
CACHEXIA		0.1		<0.05						
MALIGNANT DISEASE	3.4	2.3	4.1	2.8	8.0	8.8	6.7	8.0	8.2	
OTHER CAUSE	3.7	3.5	4.8	3.3	5.9	6.9	4.3	3.2	5.9	
UNKNOWN CAUSE	18.5	10.9	20.5	14.8	33.8	37.1	28.2	35.2	33.6	
Years at risk	26041	16360	7715	32327	5593	3504	2089	625	4755	
Patients	26752	16745	7920	33162	5842	3671	2171	656	4967	

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.4 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993,
 Modality group: 5 All ESRD Pts,
 At risk until death or end of year,
 AND 2PT PAT Primary disease group All

	Age: 0 - 64													
	Age: All					Age: 0 - 19		Age: 20 - 44						
	All	Male	Female	Asian	Black	Native	White	All	Male	Female	Black	White	All	
All	174.2	168.9	180.4	109.8	156.3	155.9	187.4	21.3	59.6	62.0	56.2	79.2	53.2	147.4
ACUTE M I.	17.4	18.1	16.5	11.9	13.9	18.1	19.4	0.3	4.4	4.7	3.9	4.2	4.6	16.8
HYPERKALEMIA	3.4	3.2	3.7	2.7	2.4	2.8	4.0	0.5	2.0	2.2	1.7	2.5	1.8	2.5
PERICARDITIS	0.4	0.4	0.3	0.3	0.5	0.3	0.3	0.1	0.4	0.4	0.2	0.7	0.2	0.4
ATHEROSCLEROTIC H. D.	6.9	6.6	7.1	3.7	4.5	4.3	8.3		0.7	0.7	0.7	0.6	0.8	4.5
CARDIOMYOPATHY	7.0	7.7	6.3	4.8	4.6	5.5	8.4	0.6	1.5	1.7	1.3	2.0	1.4	5.4
CARDIAC ARRHYTHMIA	10.2	10.3	10.1	8.0	8.5	9.7	11.2	1.1	2.9	2.9	3.0	3.4	2.8	8.6
CARDIAC ARREST	29.1	27.6	30.8	18.7	28.0	26.1	30.4	2.5	9.3	9.7	8.8	11.9	8.6	24.7
VALVULAR HEART DIS.	1.1	1.0	1.2	0.5	0.9	0.9	1.2	0.1	0.4	0.4	0.4	0.6	0.4	0.7
PULMONARY EDEMA*	1.4	1.5	1.4	0.9	1.2	1.6	1.6	0.4	0.5	0.6	0.4	0.9	0.4	1.2
CEREBRO-VASCULAR DIS.	9.6	7.9	11.7	8.6	9.9	10.7	9.6	1.3	3.5	3.2	4.0	4.0	3.4	8.1
G. I. HEMORRHAGE	1.9	1.8	2.0	1.4	1.9	1.3	2.0	0.1	0.5	0.4	0.5	0.8	0.3	1.6
OTHER HEMORRHAGE	1.4	1.3	1.5	1.1	1.3	1.1	1.5	0.8	0.6	0.6	0.6	0.7	0.5	1.2
SEPTICEMIA	17.2	14.6	20.2	10.8	18.5	16.3	16.9	2.8	6.4	6.1	6.9	9.0	5.6	16.1
PULMONARY INFECTION	4.2	4.6	3.8	4.3	3.4	5.1	4.7	0.9	1.4	1.5	1.1	2.1	1.1	2.8
VIRAL INFECTION	0.4	0.5	0.4	0.8	0.3	0.1	0.5	0.5	0.4	0.4	0.3	0.4	0.4	0.4
AIDS	1.2	1.9	0.5	0.1	3.4	0.5	0.3		3.0	4.2	1.3	9.0	0.5	0.7
OTHER INFECTION	1.0	0.8	1.1	0.6	0.9	0.9	1.0	0.3	0.5	0.5	0.5	0.7	0.4	0.9
CACHEXIA	1.8	1.5	2.2	1.4	1.4	1.9	2.0		0.4	0.3	0.5	0.4	0.4	1.0
MALIGNANT DISEASE	6.2	6.9	5.3	2.9	5.6	2.9	6.8	0.9	1.0	0.9	1.1	0.8	1.1	5.4
OTHER CAUSE	21.8	20.1	23.8	10.7	17.7	19.9	24.5	3.7	8.1	7.9	8.2	9.8	7.7	17.6
UNKNOWN CAUSE	30.6	30.7	30.5	15.6	27.6	26.0	32.9	4.2	11.7	12.4	10.7	14.7	10.8	26.7
Years at risk	563918	304790	259128	17162	175071	7505	360377	13346	175143	102494	72649	50713	115132	208847
Patients	688115	370521	317594	20211	211087	9145	443310	14920	195392	114666	80726	58270	126879	250319

	Age: 45 - 64									
	Age: 45 - 64					Age: 65+				
	All	Male	Female	Black	White	All	Male	Female	Black	White
All	146.8	148.3	132.7	159.5	340.4	349.8	331.5	279.0	372.6	
ACUTE M I.	17.7	15.7	13.7	18.9	33.1	37.3	29.1	25.0	37.0	
HYPERKALEMIA	2.3	2.6	1.6	3.1	6.3	5.9	6.6	3.4	7.5	
PERICARDITIS	0.5	0.3	0.5	0.4	0.4	0.4	0.3	0.5		
ATHEROSCLEROTIC H. D.	4.5	4.5	3.1	5.4	16.8	17.9	15.9	10.8	20.0	
CARDIOMYOPATHY	6.0	4.7	4.2	6.3	15.4	18.2	12.8	8.3	18.8	
CARDIAC ARRHYTHMIA	8.8	8.3	7.2	9.5	20.5	22.5	18.7	16.0	22.7	
CARDIAC ARREST	24.3	25.2	23.6	25.9	57.6	57.6	57.5	52.9	60.5	
VALVULAR HEART DIS.	0.7	0.7	0.7	0.8	2.3	2.3	2.3	1.6	2.6	
PULMONARY EDEMA*	1.2	1.1	1.0	1.3	2.8	3.0	2.6	1.7	3.3	
CEREBRO-VASCULAR DIS.	7.0	9.4	8.6	7.9	18.7	15.7	21.5	18.7	18.6	
G. I. HEMORRHAGE	1.5	1.6	1.7	1.5	4.0	4.1	3.9	3.4	4.3	
OTHER HEMORRHAGE	1.2	1.2	1.2	1.3	2.5	2.4	2.5	2.1	2.6	
SEPTICEMIA	14.0	18.6	16.6	16.1	30.9	27.3	34.4	31.8	31.0	
PULMONARY INFECTION	3.1	2.6	2.3	3.1	9.3	11.0	7.7	6.5	10.5	
VIRAL INFECTION	0.4	0.3	0.2	0.4	0.5	0.5	0.3	0.6		
AIDS	1.1	0.3	1.7	0.2	0.1	0.1	0.1	0.2	0.1	
OTHER INFECTION	0.8	1.1	0.8	1.1	1.5	1.2	1.8	1.3	1.7	
CACHEXIA	0.9	1.2	0.8	1.2	4.4	3.8	4.9	3.4	4.8	
MALIGNANT DISEASE	5.9	4.9	5.0	6.0	13.0	16.6	9.7	11.8	14.0	
OTHER CAUSE	16.9	18.6	14.8	19.8	42.9	41.7	44.0	31.0	49.0	
UNKNOWN CAUSE	28.0	25.1	23.5	29.3	57.4	60.2	54.8	48.5	62.5	
Years at risk	113639	95209	73239	124252	166581	80872	85710	48540	111105	
Patients	135680	114639	86930	150008	227484	111488	115996	62900	155497	

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.4 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993,
 Modality group: 5 All ESRD Pts,
 At risk until death or end of year,
 AND 2PT PAT Primary disease group Diabetes

	Age: 0-64													
	Age: All					Age: 0-19		Age: 20-44						
	All	Male	Female	Asian	Black	Native	White	All	Male	Female	Black	White	All	
All	238.1	228.3	247.1	193.8	201.5	197.1	259.9	76.8	106.8	107.3	106.2	118.1	105.8	213.9
ACUTE M I.	27.4	28.6	26.3	25.0	21.9	24.4	30.3	11.3	12.6	9.7	10.7	11.5	27.8	
HYPERKALEMIA	4.9	4.5	5.2	3.3	2.9	2.6	6.0	3.5	3.8	3.0	4.2	3.3	3.7	
PERICARDITIS	0.5	0.5	0.4		0.4	0.3	0.5	0.5	0.5	0.5	0.6	0.5	0.5	
ATHEROSCLEROTIC H. D.	9.7	9.7	9.8	8.3	6.7	4.9	11.5	2.2	2.1	2.3	1.9	2.2	7.9	
CARDIOMYOPATHY	8.8	9.2	8.5	7.8	5.3	6.4	10.7	2.4	2.4	2.3	2.4	2.4	7.3	
CARDIAC ARRHYTHMIA	14.6	14.8	14.5	16.3	10.6	14.6	16.5	6.2	5.9	6.6	6.3	6.1	13.4	
CARDIAC ARREST	44.5	42.9	46.0	38.2	39.4	33.7	47.9	19.5	19.1	20.1	22.0	19.2	39.9	
VALVULAR HEART DIS.	0.8	0.7	1.0		0.7		0.9	0.2	0.1	0.3		0.3	0.4	
PULMONARY EDEMA*	1.8	1.9	1.7	1.4	1.3	2.1	2.1	0.6	0.8	0.3	0.5	0.6	1.7	
CEREBRO-VASCULAR DIS.	15.1	12.4	17.6	16.5	14.6	15.2	15.3	7.6	6.7	8.9	6.8	7.9	13.5	
G. I. HEMORRHAGE	2.0	2.0	2.0	2.1	1.9	1.3	2.1	0.6	0.7	0.4	0.6	0.6	1.7	
OTHER HEMORRHAGE	1.0	0.8	1.3	1.7	1.1	1.3	1.0	0.7	0.4	1.1	0.5	0.8	0.9	
SEPTICEMIA	26.7	22.5	30.6	19.6	28.2	22.4	26.5	15.4	11.1	9.8	12.7	15.4	25.7	
PULMONARY INFECTION	4.7	5.0	4.4	5.7	3.7	5.4	5.0	1.9	1.9	1.9	2.0	1.9	3.6	
VIRAL INFECTION	0.4	0.5	0.3		0.2		0.5	0.4	0.6	0.2	0.3	0.5	0.3	
AIDS	0.2	0.4	0.1		0.4		0.2	0.4	0.7	0.1	1.3	0.3	0.2	
OTHER INFECTION	1.4	1.1	1.6	0.9	1.3	1.5	1.4	0.7	0.7	0.7	1.7	0.6	1.3	
CACHEXIA	2.1	1.7	2.4	2.4	1.7	2.6	2.3	1.1	1.1	1.1	1.3	1.0	1.5	
MALIGNANT DISEASE	4.1	4.1	4.1	3.3	4.6	2.6	3.9	0.8	0.6	1.1	0.5	0.9	3.2	
OTHER CAUSE	27.6	24.9	30.1	16.3	21.1	23.1	31.5	15.4	14.8	15.1	14.6	16.8	14.8	
UNKNOWN CAUSE	39.7	40.1	39.3	25.2	33.6	32.9	43.6	46.1	20.3	21.8	18.3	22.5	20.1	
Years at risk	150230	72074	78156	4241	46221	3892	95472	65	38120	21528	16592	6365	30536	
Patients	195409	93020	102389	5446	58719	4933	125794	86	44935	25403	19532	7806	35691	

	Age: 45-64					Age: 65+				
	Male	Female	Black	White	All	Male	Female	Black	White	All
	All	212.6	215.2	163.1	252.0	381.2	403.3	367.3	291.5	443.7
ACUTE M I.	29.1	26.6	19.4	33.6	40.1	47.1	35.8	30.0	47.0	
HYPERKALEMIA	3.6	3.8	1.9	5.2	7.7	6.8	8.2	4.0	10.1	
PERICARDITIS	0.6	0.4	0.4	0.6	0.3	0.4	0.3	0.2	0.4	
ATHEROSCLEROTIC H. D.	8.0	7.7	4.7	10.1	18.7	21.9	16.7	11.4	24.0	
CARDIOMYOPATHY	8.4	6.2	4.4	9.2	16.4	18.9	14.8	7.7	22.1	
CARDIAC ARRHYTHMIA	13.9	12.9	8.4	16.6	23.5	27.2	21.1	15.7	28.1	
CARDIAC ARREST	40.0	39.8	31.4	46.7	71.9	77.1	68.6	58.2	81.9	
VALVULAR HEART DIS.	0.4	0.5	0.4	0.5	1.9	1.7	2.0	1.5	2.3	
PULMONARY EDEMA*	2.0	1.4	1.3	1.9	3.1	3.3	3.0	1.5	4.1	
CEREBRO-VASCULAR DIS.	11.6	15.3	12.2	14.6	23.6	21.0	25.3	21.3	24.8	
G. I. HEMORRHAGE	1.8	1.7	1.7	1.8	3.6	4.1	3.3	2.7	4.2	
OTHER HEMORRHAGE	0.9	1.0	1.1	0.9	1.5	1.1	1.7	1.3	1.4	
SEPTICEMIA	22.7	28.6	23.9	27.5	41.0	37.4	43.3	39.6	43.1	
PULMONARY INFECTION	3.8	3.3	2.7	4.0	8.5	10.7	7.1	6.0	9.9	
VIRAL INFECTION	0.4	0.2	0.2	0.4	0.5	0.6	0.4	0.2	0.7	
AIDS	0.3	<0.05	0.3	0.1	0.1	0.1	0.1	0.1	0.1	
OTHER INFECTION	0.9	1.6	1.1	1.5	2.0	1.7	2.2	1.5	2.2	
CACHEXIA	1.4	1.5	0.9	1.8	3.9	3.2	4.3	2.9	4.4	
MALIGNANT DISEASE	3.2	3.1	3.2	3.3	8.1	9.9	6.9	8.2	8.3	
OTHER CAUSE	22.3	24.9	16.5	29.0	43.8	41.6	45.2	29.5	53.7	
UNKNOWN CAUSE	37.3	34.6	26.9	42.8	61.0	67.4	57.0	47.9	71.0	
Years at risk	32669	33237	23761	37660	46139	17841	28298	16075	27239	
Patients	41872	43143	29634	49721	65373	25702	39671	21252	40332	

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.4 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993,
 Modality group: 5 All ESRD Pts,
 At risk until death or end of year,
 AND 2PT PAT Primary disease group Not diabetes

	Age: 0 - 64													
	Age: All					Age: 20 - 44								
	All	Male	Female	Asian	Black	Native	White	All	Male	Female	Black	White		
All	147.1	147.2	147.1	82.1	134.0	111.1	158.2	20.4	43.6	47.1	38.5	70.3	30.8	109.5
ACUTE M I.	13.4	14.6	11.9	7.8	10.5	11.5	15.2	0.3	2.2	2.4	2.0	3.2	1.8	11.1
HYPERKALEMIA	2.8	2.8	2.9	2.4	2.1	3.2	3.2	0.6	1.5	1.7	1.3	2.2	1.2	1.9
PERICARDITIS	0.3	0.4	0.3	0.4	0.4	0.3	0.3	..	0.3	0.4	0.2	0.6	0.1	0.3
ATHEROSCLEROTIC H. D.	5.8	5.6	5.9	2.1	3.5	3.4	7.1	..	0.3	0.3	0.2	0.3	0.3	2.7
CARDIOMYOPATHY	6.4	7.1	5.3	3.6	4.2	4.6	7.6	0.6	1.2	1.4	1.0	1.8	1.0	4.3
CARDIAC ARRHYTHMIA	8.4	8.7	7.9	5.4	7.4	4.6	9.1	1.0	1.9	2.0	1.7	3.0	1.4	5.8
CARDIAC ARREST	23.0	22.5	23.6	12.5	23.0	17.8	23.7	2.5	5.9	6.6	5.0	10.0	4.1	16.5
VALVULAR HEART DIS.	1.2	1.1	1.2	0.6	0.9	2.0	1.3	0.2	0.5	0.5	0.4	0.6	0.4	0.8
PULMONARY EDEMA*	1.3	1.3	1.3	0.7	1.1	1.1	1.4	0.5	0.5	0.5	0.4	0.9	0.3	1.0
CEREBRO-VASCULAR DIS.	7.5	6.4	9.0	6.0	8.1	5.7	7.4	1.3	2.2	2.1	2.3	3.5	1.5	5.3
G. I. HEMORRHAGE	1.8	1.7	1.9	1.1	1.8	1.1	1.9	0.2	0.4	0.3	0.5	0.7	0.2	1.4
OTHER HEMORRHAGE	1.5	1.5	1.5	0.9	1.3	0.9	1.6	0.8	0.5	0.6	0.4	0.7	0.5	1.3
SEPTICEMIA	13.3	11.9	15.1	8.1	14.3	9.8	13.1	2.7	4.7	4.7	4.8	7.4	3.5	10.9
PULMONARY INFECTION	4.1	4.5	3.5	3.9	3.2	4.6	4.5	0.9	1.2	1.4	0.9	2.1	0.7	2.4
VIRAL INFECTION	0.4	0.4	0.4	1.1	0.3	0.3	0.4	0.6	0.3	0.4	0.3	0.3	0.3	0.4
AIDS	1.6	2.4	0.7	0.2	4.5	1.1	0.3	..	3.8	5.3	1.6	10.2	0.6	1.0
OTHER INFECTION	0.8	0.7	0.9	0.5	0.7	0.3	0.9	0.3	0.4	0.4	0.4	0.6	0.3	0.7
CACHEXIA	1.7	1.4	2.1	1.1	1.2	1.1	2.0	..	0.2	0.1	0.3	0.3	0.2	0.8
MALIGNANT DISEASE	7.0	7.8	5.9	2.8	5.9	3.4	7.9	0.9	1.0	1.0	1.0	0.9	1.1	6.4
OTHER CAUSE	19.5	18.5	20.8	8.9	15.9	16.6	21.9	3.6	5.8	5.7	5.9	8.5	4.7	14.2
UNKNOWN CAUSE	25.5	26.0	24.9	12.1	23.6	17.5	27.3	3.6	8.6	9.1	7.8	12.7	6.6	20.4
Years at risk	390544	220382	170162	12647	122458	3484	250010	12670	129473	76660	52813	42950	79265	133845
Patients	464425	262475	201950	14446	144441	4055	299359	14138	142067	84459	57608	48822	85362	154367

	Age: 45 - 64										Age: 65+				
	Age: 45 - 64					Age: 65+									
	All	Male	Female	Black	White	All	Male	Female	Black	White					
All	113.7	103.9	110.0	111.9	322.2	332.5	310.9	269.1	347.1						
ACUTE M I.	12.5	9.2	10.2	11.9	30.2	34.4	25.7	22.1	33.6						
HYPERKALEMIA	1.8	1.9	1.5	2.1	5.7	5.6	5.8	3.2	6.6						
PERICARDITIS	0.4	0.2	0.4	0.3	0.4	0.4	0.4	0.3	0.5						
ATHEROSCLEROTIC H. D.	2.7	2.6	2.1	3.1	16.2	16.8	15.6	10.4	18.8						
CARDIOMYOPATHY	4.9	3.5	3.7	4.8	15.1	18.1	11.9	8.6	17.8						
CARDIAC ARRHYTHMIA	6.3	5.2	6.0	5.9	19.4	21.3	17.4	16.2	20.9						
CARDIAC ARREST	16.8	16.0	18.5	15.6	52.1	52.3	51.8	49.7	53.8						
VALVULAR HEART DIS.	0.8	0.8	0.7	0.9	2.4	2.4	2.4	1.7	2.8						
PULMONARY EDEMA*	0.9	1.0	0.9	1.0	2.7	2.9	2.5	1.8	3.1						
CEREBRO-VASCULAR DIS.	4.9	5.8	6.5	4.7	16.8	14.3	19.7	17.6	16.6						
G. I. HEMORRHAGE	1.3	1.5	1.6	1.3	4.0	4.1	4.0	3.5	4.3						
OTHER HEMORRHAGE	1.4	1.3	1.2	1.5	2.9	2.9	2.9	2.6	3.1						
SEPTICEMIA	10.0	12.1	12.1	10.4	26.9	24.5	29.6	28.3	26.7						
PULMONARY INFECTION	2.7	2.0	2.1	2.5	9.7	11.2	8.0	6.8	10.7						
VIRAL INFECTION	0.5	0.3	0.2	0.4	0.5	0.5	0.5	0.3	0.6						
AIDS	1.4	0.4	2.4	0.3	0.1	0.1	0.1	0.2	0.1						
OTHER INFECTION	0.7	0.7	0.6	0.8	1.4	1.1	1.7	1.2	1.5						
CACHEXIA	0.7	1.1	0.7	1.0	4.5	4.0	5.2	3.5	4.9						
MALIGNANT DISEASE	6.8	5.8	5.5	7.2	15.2	18.7	11.2	13.8	16.0						
OTHER CAUSE	14.1	14.4	13.2	15.2	42.7	42.0	43.6	31.5	47.8						
UNKNOWN CAUSE	22.1	18.1	20.1	21.2	53.1	55.0	50.9	46.0	56.9						
Years at risk	76078	57767	46599	81001	114556	60242	54314	30441	80285						
Patients	87942	66425	53776	93600	153853	81830	72023	38995	109951						

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" indicates that cell is based on fewer than 10 patients and is suppressed.

Table D.5
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, and Treatment Modality

Year group: 1991-1993.
 At risk until death or end of year.
 AND Modality group: 5 All ESRD Pts

	Age: 0 -	Age: 20 -	Age: 45 -	Age: 65+
	Age: All	19	44	64
All	174.2	21.3	59.6	147.4
Myocardial Infarction, Acute	17.4	0.3	4.4	16.8
Hyperkalemia	3.4	0.5	2.0	2.5
Pericarditis, Incl. Cardiac Tamponade	0.4	0.1	0.4	0.4
Atherosclerotic Heart Disease	6.9	.	0.7	4.5
Cardiomyopathy	7.0	0.6	1.5	5.4
Cardiac Arrhythmia	10.2	1.1	2.9	8.6
Cardiac Arrest, Cause Unknown	29.1	2.5	9.3	24.7
Valvular Heart Disease	1.1	0.1	0.4	0.7
Pulmonary Edema Due To Exogenous Fluid	1.4	0.4	0.5	1.2
Pulmonary Embolus	0.7	.	0.5	0.7
Cerebro-Vascular Accident Including Intracranial Hemorrhage	8.1	0.9	2.8	6.9
Ischemic Brain Damage/Anoxic Encephalopathy	1.6	0.4	0.7	1.2
Hemorrhage From Transplant Site	0.05	0.1	<0.05	<0.05
Hemorrhage From Vascular Access	0.2	0.1	0.1	0.2
Hemorrhage From Dialysis Circuit	0.05	.	.	<0.05
Hemorrhage From Ruptured Vascular Aneurysm	0.5	0.1	0.1	0.3
Hemorrhage From Surgery (Not 38, 39 Or 40)	0.1	.	0.1	0.1
Other Hemorrhage (Not Codes 38-42, 72)	0.5	0.4	0.3	0.6
Mesenteric Infarction/Ischemic Bowel	1.6	0.1	0.3	1.2
Septicemia, Due To Vascular Access	1.7	0.1	0.6	1.5
Septicemia, Due To Peritonitis	1.8	0.7	0.8	1.7
Septicemia, Due To Peripheral Vascular Disease, Gangrene	4.0	0.1	1.1	4.2
Septicemia, Other	9.7	1.8	3.9	8.8
Pulmonary Infection (Bacterial)	3.3	0.3	0.8	2.1
Pulmonary Infection (Fungal)	0.2	.	0.1	0.2
Pulmonary Infection (Other)	0.7	0.6	0.3	0.5
Viral Infection, Cmv	0.1	0.2	0.1	0.1
Viral Infection, Other (Not 64 Or 65)	0.2	0.3	0.1	0.1
Tuberculosis	0.1	.	0.1	0.1
Aids	1.2	.	3.0	0.7
Infection, Other	0.9	0.2	0.5	0.9
Hepatitis B	0.1	.	0.1	0.1
Other Viral Hepatitis	0.1	.	0.1	0.1
Liver-Drug Toxicity	0.05	.	<0.05	<0.05
Cirrhosis	0.5	0.1	0.2	0.6
Polycystic Liver Disease	0.05	.	.	<0.05
Liver Failure, Cause Unknown Other	0.6	0.1	0.4	0.7
Gastro-Intestinal Hemorrhage	1.9	0.1	0.5	1.6
Pancreatitis	0.4	0.1	0.3	0.5
Fungal Peritonitis	0.1	0.1	<0.05	0.1
Perforation Of Peptic Ulcer	0.2	.	<0.05	0.1
Perforation Of Bowel (Not 75)	0.7	0.1	0.2	0.6
Bone Marrow Depression	0.1	.	<0.05	<0.05
Cachexia	1.8	.	0.4	1.0
Malignant Disease, Patient Ever On Immunosuppressive Therapy	1.9	0.7	0.5	2.0
Malignant Disease (Not 82)	4.3	0.2	0.5	3.4
Dementia, Incl. Dialysis Dementia, Alzheimers	1.1	.	0.1	0.4
Seizures	0.4	0.1	0.3	0.3
Diabetic Coma, Hyperglycemia, Hypoglycemia	0.5	.	0.7	0.5
Chronic Obstructive Lung Disease (COPD)	0.8	.	0.1	0.5
Complications Of Surgery	0.4	.	0.2	0.4
Air Embolism	0.05	0.1	<0.05	<0.05
Accident Related To Treatment	0.05	.	<0.05	<0.05
Accident Unrelated To Treatment	0.5	0.4	0.4	0.5
Suicide	0.3	0.1	0.2	0.3
Drug Overdose (Street Drugs)	0.1	.	0.3	<0.05
Drug Overdose (Not 92 Or 93)	0.05	.	0.1	<0.05
Other Identified Cause Of Death, Please Specify	12.9	2.6	4.0	10.1
Unknown	30.6	4.2	11.7	26.7
Years at risk	563918	13346	175143	208847
Patients	688115	14920	195392	250319

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" Values for cells with fewer than 10 patients are suppressed.

Table D.5 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, and Treatment Modality

Year group: 1991-1993.
 At risk until death, Tx, or end of year.
 AND Modality group: 1 All dialysis patients

	Age: 0 - 19	Age: 20 - 44	Age: 45 - 64	Age: 65+ %
All	234.4	47.0	103.1	188.1
Myocardial Infarction, Acute	23.5	0.7	7.3	21.8
Hyperkalemia	4.8	1.6	4.0	3.4
Pericarditis, Incl. Cardiac Tamponade	0.5	0.2	0.7	0.5
Atherosclerotic Heart Disease	9.6	..	1.2	6.1
Cardiomyopathy	9.9	1.9	3.0	7.5
Cardiac Arrhythmia	14.2	2.8	5.8	11.7
Cardiac Arrest, Cause Unknown	40.3	6.5	17.5	33.2
Valvular Heart Disease	1.5	0.5	0.8	1.0
Pulmonary Edema Due To Exogenous Fluid	2.0	1.4	1.0	1.6
Pulmonary Embolus	0.7	..	0.5	0.7
Cerebro-Vascular Accident Including Intracranial Hemorrhage	11.0	2.1	4.8	9.0
Ischemic Brain Damage/Anoxic Encephalopathy	2.1	0.5	1.3	1.7
Hemorrhage From Transplant Site	0.05	..	<0.05	..
Hemorrhage From Vascular Access	0.3	0.2	0.2	0.3
Hemorrhage From Dialysis Circuit	0.05	..	..	<0.05
Hemorrhage From Ruptured Vascular Aneurysm	0.6	..	0.1	0.3
Hemorrhage From Surgery (Not 38, 39 Or 40)	0.2	..	0.1	0.2
Other Hemorrhage (Not Codes 38-42, 72)	0.6	1.2	0.5	0.6
Mesenteric Infarction/Ischemic Bowel	2.2	0.2	0.6	1.6
Septicemia, Due To Vascular Access	2.4	0.5	1.3	2.1
Septicemia, Due To Peritonitis	2.5	2.1	1.6	2.3
Septicemia, Due To Peripheral Vascular Disease, Gangrene	5.6	0.5	2.1	5.7
Septicemia, Other	12.9	3.7	6.8	11.1
Pulmonary Infection (Bacterial)	4.5	0.9	1.4	2.7
Pulmonary Infection (Fungal)	0.1	..	0.1	0.1
Pulmonary Infection (Other)	0.8	1.2	0.5	0.5
Viral Infection, Cmv	0.05	0.2	<0.05	<0.05
Viral Infection, Other (Not 64 Or 65)	0.2	..	0.1	0.1
Tuberculosis	0.1	..	0.1	0.1
Aids	1.7	..	6.2	1.0
Infection, Other	1.1	..	0.7	1.0
Hepatitis B	0.1	..	0.1	<0.05
Other Viral Hepatitis	0.1	..	0.1	0.1
Liver-Drug Toxicity	0.05	..	<0.05	<0.05
Cirrhosis	0.6	0.2	0.2	0.8
Polycystic Liver Disease	0.05	..	..	<0.05
Liver Failure, Cause Unknown Other	0.7	..	0.6	0.8
Gastro-Intestinal Hemorrhage	2.7	0.5	0.9	2.1
Pancreatitis	0.5	0.2	0.5	0.5
Fungal Peritonitis	0.1	0.2	0.1	0.1
Perforation Of Peptic Ulcer	0.2	..	0.1	0.1
Perforation Of Bowel (Not 75)	0.9	0.2	0.3	0.8
Bone Marrow Depression	0.1	..	0.1	0.1
Cachexia	2.5	..	0.7	1.5
Malignant Disease, Patient Ever On Immunosuppressive Therapy	2.1	0.7	0.5	1.8
Malignant Disease (Not 82)	6.0	0.7	0.8	4.6
Dementia, Incl. Dialysis Dementia, Alzheimers	1.5	..	0.1	0.6
Seizures	0.5	0.5	0.7	0.4
Diabetic Coma, Hyperglycemia, Hypoglycemia	0.7	..	1.3	0.7
Chronic Obstructive Lung Disease (COPD)	1.2	..	0.1	0.7
Complications Of Surgery	0.6	..	0.2	0.5
Air Embolism	0.05	..	<0.05	<0.05
Accident Related To Treatment	0.05	..	0.1	<0.05
Accident Unrelated To Treatment	0.6	0.7	0.7	0.6
Suicide	0.4	..	0.3	0.4
Drug Overdose (Street Drugs)	0.1	..	0.5	0.1
Drug Overdose (Not 92 Or 93)	0.1	..	0.1	<0.05
Other Identified Cause Of Death, Please Specify	17.6	6.5	6.8	13.1
Unknown	38.2	7.9	17.1	29.6
Years at risk	395656	4317	84161	147940
Patients	526307	6138	108298	191612

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" Values for cells with fewer than 10 patients are suppressed.

Table D.5 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, and Treatment Modality

Year group: 1991-1993.

At risk until death, Tx, or end of year.

AND Modality group: 2 Hemodialysis Pts, 60 days on hemo

	Age: 0 - 19	Age: 20 - 44	Age: 45 - 64	Age: 65+
All	235.6	43.8	102.6	182.8
Myocardial Infarction, Acute	23.3	0.5	6.9	20.9
Hyperkalemia	5.1	1.9	4.5	3.6
Pericarditis, Incl. Cardiac Tamponade	0.5	0.5	0.7	0.6
Atherosclerotic Heart Disease	9.4	.	1.2	5.5
Cardiomyopathy	9.4	1.5	2.6	6.7
Cardiac Arrhythmia	14.5	4.9	5.7	11.4
Cardiac Arrest, Cause Unknown	41.3	4.4	18.1	33.1
Valvular Heart Disease	1.5	0.5	0.9	1.0
Pulmonary Edema Due To Exogenous Fluid	2.1	1.5	1.1	1.6
Pulmonary Embolus	0.7	.	0.4	0.7
Cerebro-Vascular Accident Including Intracranial Hemorrhage	10.9	2.9	4.9	8.6
Ischemic Brain Damage/Anoxic Encephalopathy	2.1	0.5	1.3	1.6
Hemorrhage From Transplant Site	0.05	.	.	<0.05
Hemorrhage From Vascular Access	0.4	0.5	0.2	0.4
Hemorrhage From Dialysis Circuit	0.05	.	.	<0.05
Hemorrhage From Ruptured Vascular Aneurysm	0.6	.	0.2	0.3
Hemorrhage From Surgery (Not 38, 39 Or 40)	0.2	.	0.1	0.2
Other Hemorrhage (Not Codes 38-42, 72)	0.7	.	0.5	0.6
Mesenteric Infarction/Ischemic Bowel	2.2	0.5	0.5	1.5
Septicemia, Due To Vascular Access	2.7	1.0	1.5	2.4
Septicemia, Due To Peritonitis	1.2	1.0	0.7	1.1
Septicemia, Due To Peripheral Vascular Disease, Gangrene	5.4	0.5	1.7	5.4
Septicemia, Other	13.2	2.9	6.6	11.2
Pulmonary Infection (Bacterial)	4.7	1.0	1.2	2.8
Pulmonary Infection (Fungal)	0.1	.	0.1	0.1
Pulmonary Infection (Other)	0.9	.	0.5	0.5
Viral Infection, Cmv	0.05	.	<0.05	<0.05
Viral Infection, Other (Not 64 Or 65)	0.2	.	0.1	0.1
Tuberculosis	0.1	.	0.1	0.1
Aids	1.5	.	5.7	1.0
Infection, Other	1.1	.	0.8	0.9
Hepatitis B	0.1	.	0.1	0.1
Other Viral Hepatitis	0.1	.	0.1	0.1
Liver-Drug Toxicity	0.05	.	<0.05	<0.05
Cirrhosis	0.7	.	0.2	0.9
Polycystic Liver Disease	0.05	.	.	<0.05
Liver Failure, Cause Unknown Other	0.7	.	0.6	0.8
Gastro-Intestinal Hemorrhage	2.8	0.5	1.0	2.2
Pancreatitis	0.4	.	0.4	0.4
Fungal Peritonitis	0.05	.	<0.05	<0.05
Perforation Of Peptic Ulcer	0.2	.	0.1	0.1
Perforation Of Bowel (Not 75)	0.8	.	0.2	0.6
Bone Marrow Depression	0.1	.	0.1	<0.05
Cachexia	2.4	.	0.6	1.2
Malignant Disease, Patient Ever On Immunosuppressive Therapy	2.2	0.5	0.5	1.9
Malignant Disease (Not 82)	6.4	0.5	0.9	4.8
Dementia, Incl. Dialysis Dementia, Alzheimers	1.5	.	0.2	0.6
Seizures	0.5	0.5	0.7	0.4
Diabetic Coma, Hyperglycemia, Hypoglycemia	0.6	.	1.1	0.7
Chronic Obstructive Lung Disease (COPD)	1.3	.	0.1	0.8
Complications Of Surgery	0.6	.	0.3	0.5
Air Embolism	0.05	.	<0.05	<0.05
Accident Related To Treatment	0.05	.	0.1	<0.05
Accident Unrelated To Treatment	0.7	1.5	0.7	0.7
Suicide	0.4	.	0.3	0.4
Drug Overdose (Street Drugs)	0.1	.	0.6	0.1
Drug Overdose (Not 92 Or 93)	0.1	.	0.1	<0.05
Other Identified Cause Of Death, Please Specify	17.5	5.8	6.6	12.3
Unknown	39.4	8.3	18.1	29.3
Years at risk	326673	2054	63487	120986
Patients	431639	2923	80905	155266

(CONTINUED)

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" Values for cells with fewer than 10 patients are suppressed.

Table D.5 (Continued)
 Death Rates per 1000 Patient Years at Risk
 by Cause of Death, Age on January 1, and Treatment Modality

Year group: 1991-1993.
 At risk until death, Tx, or end of year.
 AND Modality group: 3 CAPD/CCPD Pts, 60 days on CAPD/CCPD

	Age: 0 - 19	Age: 20 - 44	Age: 45 - 64	Age: 65+
All	234.4	52.2	104.6	218.6
Myocardial Infarction, Acute	26.0	1.3	9.0	27.7
Hyperkalemia	3.2	2.0	2.2	2.4
Pericarditis, Incl. Cardiac Tamponade	0.5	..	0.7	0.4
Atherosclerotic Heart Disease	11.1	..	1.6	9.3
Cardiomyopathy	13.2	2.0	4.5	11.4
Cardiac Arrhythmia	13.3	0.7	5.7	13.1
Cardiac Arrest, Cause Unknown	36.2	7.4	15.9	33.7
Valvular Heart Disease	1.6	0.7	0.6	1.3
Pulmonary Edema Due To Exogenous Fluid	1.4	1.3	0.7	1.6
Pulmonary Embolus	1.0	..	0.7	1.1
Cerebro-Vascular Accident Including Intracranial Hemorrhage	11.6	1.3	4.4	10.9
Ischemic Brain Damage/Anoxic Encephalopathy	2.4	0.7	1.2	1.9
Hemorrhage From Transplant Site	0.05	..	..	0.1
Hemorrhage From Vascular Access	0.1	..	0.1	<0.05
Hemorrhage From Dialysis Circuit	0.05	..	..	<0.05
Hemorrhage From Ruptured Vascular Aneurysm	0.7	..	0.1	0.5
Hemorrhage From Surgery (Not 38, 39 Or 40)	0.1	..	0.1	0.1
Other Hemorrhage (Not Codes 38-42, 72)	0.5	0.7	0.4	0.6
Mesenteric Infarction/Ischemic Bowel	2.5	..	0.7	2.4
Septicemia, Due To Vascular Access	0.6	..	0.5	0.6
Septicemia, Due To Peritonitis	9.5	4.0	4.5	9.0
Septicemia, Due To Peripheral Vascular Disease, Gangrene	7.0	..	3.7	7.5
Septicemia, Other	11.6	6.0	6.8	10.6
Pulmonary Infection (Bacterial)	3.6	1.3	1.6	2.3
Pulmonary Infection (Fungal)	0.2	..	0.2	0.1
Pulmonary Infection (Other)	0.8	2.0	0.4	0.7
Viral Infection, Cmv	0.05	..	..	<0.05
Viral Infection, Other (Not 64 Or 65)	0.1	..	0.2	0.1
Tuberculosis	0.1	..	0.1	0.2
Aids	2.7	..	7.9	1.0
Infection, Other	1.3	..	0.4	1.5
Hepatitis B	0.05	..	0.1	..
Other Viral Hepatitis	0.1	..	0.1	0.1
Liver-Drug Toxicity	..	..	..	..
Cirrhosis	0.3	0.7	0.1	0.5
Polycystic Liver Disease	0.05	..	..	0.1
Liver Failure, Cause Unknown Other	0.5	..	0.3	0.6
Gastro-Intestinal Hemorrhage	2.0	..	0.4	1.7
Pancreatitis	1.0	0.7	0.9	1.1
Fungal Peritonitis	0.6	0.7	0.2	0.6
Perforation Of Peptic Ulcer	0.4	..	0.1	0.2
Perforation Of Bowel (Not 75)	1.4	0.7	0.6	1.4
Bone Marrow Depression	0.1	..	0.1	0.1
Cachexia	3.2	..	1.4	2.8
Malignant Disease, Patient Ever On Immunosuppressive Therapy	1.5	0.7	0.4	1.4
Malignant Disease (Not 82)	3.9	1.3	0.6	3.4
Dementia, Incl. Dialysis Dementia, Alzheimers	1.5	..	..	0.7
Seizures	0.5	0.7	0.4	0.4
Diabetic Coma, Hyperglycemia, Hypoglycemia	1.0	..	1.7	0.7
Chronic Obstructive Lung Disease (COPD)	0.8	..	0.1	0.4
Complications Of Surgery	0.5	..	0.2	0.5
Air Embolism	0.1	..	..	0.2
Accident Related To Treatment	..	..	..	..
Accident Unrelated To Treatment	0.4	..	0.5	0.5
Suicide	0.5	..	0.5	0.3
Drug Overdose (Street Drugs)	0.1	..	0.4	..
Drug Overdose (Not 92 Or 93)	0.1	..	0.1	<0.05
Other Identified Cause Of Death, Please Specify	18.2	7.4	7.4	17.4
Unknown	32.7	8.0	13.1	31.7
Years at risk	55373	1494	16072	21737
Patients	75798	2116	21333	29217

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" Values for cells with fewer than 10 patients are suppressed.

Table D.6
 Death Rates per 1000 Patient Years at Risk
 by Cause of Withdrawal, Age on January 1,
 Sex, Race, Diabetes, and Treatment Modality

Year group: 1991-1993,
 Modality group: 1 All dialysis patients,
 At risk until death, Tx, or end of year

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    ,                                     , Age: 0,                                     ,
    ,                                     , 19 ,                                     ,
    ,                                     , Age: 20 - 44                                     ,
    ,                                     , All , Male , Female, Asian , Black , DM , NOT-DM, Native, White , All , All , Male , Female, Black ,
    ,                                     , All , Male , Female, Asian , Black , DM , NOT-DM, Native, White , All , All , Male , Female, Black ,
    , ALL , 234.4 , 235.3 , 233.5 , 149.1 , 177.7 , 288.4 , 204.7 , 196.6 , 276.6 , 47.0 , 103.1 , 107.7 , 96.7 , 101.0 ,
    , Wi thdrew, access failue, 1.7 , 1.2 , 2.3 , 0.5 , 1.2 , 2.2 , 1.5 , 2.3 , 2.1 , 0.9 , 0.6 , 0.5 , 0.6 , 0.5 ,
    , Wi thdrew, tx failure , 0.1 , 0.1 , <0.05 , 0.1 , <0.05 , 0.1 , 0.1 , . , 0.1 , . , 0.1 , 0.1 , 0.1 , 0.1 ,
    , Wi thdrew, fail to
    , thrive , 16.1 , 14.7 , 17.5 , 6.2 , 7.0 , 19.4 , 14.5 , 14.1 , 22.5 , 0.5 , 3.1 , 3.4 , 2.7 , 1.9 ,
    , Wi thdrew, med
    , complicate , 13.1 , 11.5 , 14.8 , 7.4 , 7.0 , 16.7 , 11.6 , 12.9 , 17.4 , 1.6 , 4.4 , 3.8 , 5.1 , 2.7 ,
    , Wi thdrew, other , 7.1 , 6.8 , 7.4 , 3.9 , 3.3 , 8.4 , 6.5 , 6.7 , 9.8 , 1.9 , 2.4 , 2.4 , 2.3 , 1.9 ,
    , Mi ssing Data , 22.4 , 23.0 , 21.8 , 12.2 , 15.9 , 24.8 , 19.2 , 17.3 , 27.0 , 6.7 , 8.6 , 8.7 , 8.3 , 9.3 ,
    , Di d not withdraw , 174.0 , 178.0 , 169.8 , 118.8 , 143.4 , 216.8 , 151.3 , 143.3 , 197.7 , 35.4 , 84.0 , 88.7 , 77.4 , 84.5 ,
    , Years at risk , 395656 , 203499 , 192157 , 11845 , 147810 , 117977 , 265357 , 5661 , 229090 , 4317 , 84161 , 49052 , 35109 , 36756 ,
    , Patients , 526307 , 273059 , 253248 , 15229 , 185693 , 164594 , 344919 , 7391 , 316334 , 6138 , 108298 , 63592 , 44706 , 45433 ,
    ~~~~~~E
    
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    ~~~~~~+
    ,                                     , Age: ,                                     ,
    ,                                     , 20 - ,                                     ,
    ,                                     , 44 ,                                     , Age: 45 - 64                                     , Age: 65+                                     ,
    ,                                     , White , All , Male , Female, Black , White , All , Male , Female, Black , White ,
    ,                                     , White , All , Male , Female, Black , White , All , Male , Female, Black , White ,
    , ALL , 109.5 , 188.1 , 193.0 , 183.0 , 145.6 , 226.1 , 351.9 , 365.4 , 339.6 , 282.5 , 388.9 ,
    , Wi thdrew, access failue, 0.7 , 1.1 , 0.8 , 1.4 , 0.7 , 1.4 , 2.9 , 2.0 , 3.8 , 2.3 , 3.3 ,
    , Wi thdrew, tx failure , 0.1 , 0.1 , 0.1 , <0.05 , <0.05 , 0.1 , <0.05 , <0.05 , <0.05 , . , <0.05 ,
    , Wi thdrew, fail to
    , thrive , 4.3 , 8.8 , 7.9 , 9.7 , 4.0 , 12.8 , 30.1 , 29.1 , 30.9 , 14.9 , 37.8 ,
    , Wi thdrew, med
    , complicate , 5.9 , 9.3 , 8.3 , 10.3 , 5.3 , 12.6 , 21.6 , 20.0 , 23.0 , 12.6 , 26.1 ,
    , Wi thdrew, other , 2.8 , 4.7 , 4.5 , 4.8 , 2.2 , 6.6 , 12.1 , 12.2 , 12.0 , 5.8 , 15.3 ,
    , Mi ssing Data , 8.3 , 16.3 , 17.0 , 15.5 , 12.0 , 19.9 , 35.8 , 38.6 , 33.2 , 26.3 , 40.5 ,
    , Di d not withdraw , 87.3 , 147.9 , 154.3 , 141.2 , 121.3 , 172.7 , 249.5 , 263.4 , 236.7 , 220.5 , 265.9 ,
    , Years at risk , 43248 , 147940 , 75943 , 71998 , 62076 , 78121 , 159238 , 76159 , 83080 , 47633 , 105006 ,
    , Patients , 57597 , 191612 , 99255 , 92357 , 76407 , 105328 , 220259 , 106855 , 113404 , 62004 , 149499 ,
    ~~~~~~E
    
```

Includes all patients who have reached day 91 of ESRD by the end of the year.
 See notes at the beginning of this section and Chapter XIII for a description of the death rate methodology.
 "." indicates no deaths from this cause, "*" Values for cells with fewer than 10 patients are suppressed.