

SUPPLEMENT (ONLINE ONLY)

On-line Appendix Tables

Appendix Table 1. Percent Age and Sex Specific Underlying Cause of Death by CHS and Nosologist, N=3194

	65-74 years		75-79 years		80-84 years		85-89 years		90-94 years		95+ years	
	N=140		N=306		N=449		N=375		N=225		N=79	
	CHS N(%)	ICD N(%)	CHS N(%)	ICD N(%)	CHS N(%)	ICD N(%)	CHS N(%)	ICD N(%)	CHS N(%)	ICD N(%)	CHS N(%)	ICD N(%)
	57	52	92	91	127	123	104	108	58	66	29	30
CHD	(40.7)	(37.1)	(30.1)	(29.8)	(28.3)	(27.4)	(27.7)	(28.8)	(25.8)	(29.4)	(36.7)	(37.9)
	48	41	96	88	133	127	75	72	34	32	5	5
Cancer	(34.3)	(29.3)	(31.4)	(28.8)	(29.6)	(28.3)	(20)	(19.2)	(15.1)	(14.2)	(6.3)	(6.3)
			14	5	33	12	42	17	29	9	13	7
Dementia	0.0	0.0	(4.6)	(1.6)	(7.3)	(2.7)	(11.2)	(4.5)	(12.9)	(4)	(16.5)	(8.9)
						50		39		23		
Stroke	7 (5)	6 (4.3)	26 (8.5)	21 (6.9)	36 (8)	(11.1)	27 (7.2)	(10.4)	17 (7.6)	(10.2)	6 (7.6)	7 (8.9)
Chr Pulm	7 (5)	9 (6.4)	22 (7.2)	18 (5.9)	25 (5.6)	24 (5.3)	18 (4.8)	10 (2.7)	16 (7.1)	11 (4.9)	3 (3.8)	0.0
Pneumonia	3 (3)	3 (2.1)	8 (2.6)	17 (5.6)	24 (5.3)	21 (4.7)	24 (6.4))	24 (6.4)	20 (8.9)	21 (9.3)	9 (11.4)	7 (8.9)
Other	18	29	48	66	71	92	85	105	51	63	14	23

(12.9) (20.7) (15.6) (21.5) (15.9) (20.5) (22.7) (28) (22.6) (28) (17.7) (29.1)

Appendix Table 1 Cont'd

Women	N=103		N=278		N=471		N=403		N=267		N=98	
	CHS	ICD	CHS	ICD	CHS	ICD	CHS	ICD	CHS	ICD	CHS	ICD
	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)
	25	22	58	54	109	123	96	116	57	69	20	24
CHD	(24.3)	(21.4)	(20.9)	(19.5)	(23.1)	(25.9)	(23.8)	(28.8)	(21.3)	(25.9)	(20.4)	(24.5)
	47	45	87	90	128	128	60	57	38	35		
Cancer	(45.6)	(43.7)	(31.3)	(32.4)	(27.2)	(27.2)	(14.9)	(14.1)	(14.2)	(13.1)	9 (9.2)	7 (7.1)
							85		54		18	
Dementia	1 (1)	1 (1)	13 (4.7)	4 (1.4)	38 (8.1)	14 (3)	(21.2)	26 (6.5)	(20.2)	17 (6.4)	(18.4)	1 (1)
			32		50	53	44	48		38	10	15
Stroke	4 (3.9)	6 (5.8)	(11.5)	26 (9.4)	(10.6)	(11.3)	(10.9)	(11.9)	26 (9.7)	(14.2)	(10.2)	(15.3)
Chr Pulm	5 (4.9)	3 (2.9)	17 (6.1)	13 (4.7)	34 (7.2)	23 (4.9)	15 (3.7)	15 (3.7)	13 (4.9)	5 (1.9)	7 (7.4)	4 (4.1)
										27	11	10
Pneumonia	0.0	2 (1.9)	8 (2.9)	6 (2.2)	17 (3.6)	14 (3)	25 (6.2)	33 (8.2)	12 (4.5)	(10.1)	(11.2)	(10.2)
	21	24	63	85	95	116		108	67	76	23	37
Other	(20.4)	(23.3)	(22.6)	(30.4)	(20.2)	(24.7)	78 19.4)	(26.8)	(25.2)	(28.4)	(23.5)	(37.8)

Appendix Table 2. Percent Age and Race* Specific Underlying Cause of Death by CHS and Nosologist

	65-74 years		75-79 years		80-84 years		85-89 years		90-94 years		95+ years	
White	N=193		N=462		N=791		N=687		N=438		N=153	
	CHS	ICD	CHS	ICD	CHS	ICD	CHS	ICD	CHS	ICD	CHS	ICD
	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)
	63	57	118	118	201	217	183	205	103	125	41	48
CHD	(32.6)	(29.6)	(25.5)	(25.5)	(25.4)	(27.4)	(26.6)	(29.9)	(23.5)	(28.5)	(26.8)	(31.4)
	77	69	144	143	227	219	119	112	62	60		11
Cancer	(39.9)	(35.8)	(31.2)	(31)	(28.7)	(27.7)	(17.3)	(16.3)	(14.2)	(13.7)	12 (7.8)	(7.2)
									77			
Dementia	1 (0.5)	1 (0.5)	20 (4.3)	9 (1.9)	59 (7.5)	23 (2.9)	110 (16)	38 (5.5)	(17.6)	23 (5.3)	26 (17)	6 (3.9)
								71		55		19
Stroke	7 (3.6)	9 (4.7)	45 (9.7)	40 (8.7)	76 (9.6)	87 (11)	60 (8.7)	(10.3)	38 (8.7)	(12.6)	12 (7.8)	(12.4)
		11										
Chr Pulm	10 (5.2)	(5.7)	26 5.6	20 (4.3)	54 (6.8)	43 (5.4)	33 (4.8)	24 (3.5)	24 (5.5)	13 (3)	9 (5.9)	3 (2)
											18	16
Pneumonia	3 (1.6)	5 (2.6)	14 (3)	19 (4.1)	37 (4.7)	31 (3.9)	43 (6.3)	50 (7.3)	29 (6.6)	42 (9.6)	(11.8)	(10.5)
Other	39	41	95	113	137	171	139	187	105	120	35	50

	(20.2)	(21.1)	(20.7)	(24.5)	(17.3)	(21.7)	(20.3)	(27.2)	(23.9)	(27.3)	(22.9)	(32.6)
Appendix Table 2 Cont'd	N=48		N=116		N=125		N=85		N=50		N=21	
Black	CHS	ICD	CHS	ICD	CHS	ICD	CHS	ICD	CHS	ICD	CHS	ICD
	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)
	18	16	31	26	34	27						
CHD	(37.5)	(33.3)	(26.7)	(22.4)	(27.2)	(21.6)	15 (17.6)	17 (20)	12 (24)	10 (20)	8 (38.1)	4 (19)
	17	16	35	31	32	34		15				
Cancer	(35.4)	(33.3)	(30.2)	(26.7)	(25.6)	(27.2)	14 (16.5)	(17.6)	9 (18)	6 (12)	2 (9.5)	1 (4.8)
							15 (
Dementia	0.0	0.0	7 (6)	0.0	12 (9.6)	3 (2.4)	(17.6))	4 (4.7)	4 (8)	3 (6)	4 (19)	1 (4.8)
			13					16				3
Stroke	4 (8.3)	3 (6.3)	(11.2)	7 (6)	10 (8)	15 (12)	11 (12.9)	(18.8)	5 (10)	6 (12)	4 (19)	(14.3)
			12									
Chr Pulm	2 (4.2)	1 (2.1)	(10.3)	10 (8.6)	5 (4)	4 (3.2)	0.0	0.0	5 (10)	2 (4)	1 (4.8)	1 (4.8)
Pneumonia	0.0	0.0	2 (1.7)	4 (3.4)	4 (3.2)	4 (3.2)	6 (7.1)	7 (8.2)	3 (6)	4 (8)	0.0	1 (4.8)
			16	38	28	38		26				10
Other	7 (14.6)	12 (25)	(13.9)	(32.9)	(22.4)	(30.4)	24 (28.3)	(30.7)	12 (24)	19 (38)	2 (9.6)	(47.8)

* Total self-reported race as white or black, N=3168

CHS=Cardiovascular Health Study, ICD=International Classification of Diseases, CHD=Coronary Heart Disease, Chr Pulm=Chronic Obstructive Pulmonary Disease

Appendix Table 3. CHS and Nosologist Underlying Cause of Death, N=3194

CHS Cause of death by Central Adjudication	Nosologist Cause of Death by ICD-9 Code																		
	CHD		Cerebro-vascular	Other	Other				COPD			renal	GI	Diabetes &	Failure			Total	
	410-411, 413-414, 429	Congestive Heart Failure 428	430-434,436-438	Athero 440-444, 557	Cardiac 390-398, 415-427	Dementia 290, 294, 331	Parkin- sons 332	Cancer 140-208	490-496, 518-519	pneumonia 480-486, 507	sepsis- urosepsis 038, 599	failure 580-593	Liver disease 570-579	disease 530-540, 555-569	other metabolic 250-279	to thrive 783	blood disease 280-289	Other	(Column %)
Atherosclerotic Coronary Heart Disease (category 1)	569*	43*	24	20	51	4	0	8	11	8	1	11	1	2	36	0	0	43	832 (26.1%)
	k=0.61 (0.58-0.65)	k=0.05 (0.03-0.07)																	
Cerebrovascular Disease (category 2)	26	3	195	1	7	3	0	8	3	14	3	2	1	1	6	0	0	12	285 (8.9%)
			k=0.59 (0.55-0.64)																
Atherosclerotic, not coronary or cerebrovascular (category 3)	17	2	2	34	2	0	0	0	0	1	3	5	0	0	3	0	0	4	73 (2.3%)
				k=0.43 (0.33-0.53)															
Other cardiovascular, not coronary heart disease (category 4)	20	7	4	2	41	1	0	1	1	3	1	1	0	0	1	0	0	8	91 (2.8%)
					k=0.33 (0.25-0.41)														
Dementia (category 5/group 2)	44	2	44	3	4	97	3	3	6	50	10	8	1	8	16	0	0	41	340 (10.6%)
						k=0.40 (0.34-0.45)													

Appendix Table 3 Cont'd

Parkinsons (category 5/group 4)	2	1	11	0	1	1	18 k=0.47 (0.33-0.62)	1	2	5	2	0	0	0	1	0	0	4	49 (1.5%)
Cancer (category 5/group 20)	16	4	2	3	2	0	0	692 k=0.91 (0.89-0.93)	4	9	2	1	0	4	4	0	5	12	760 (23.8%)
COPD & other respiratory not pneumonia (category 5/group 7)	17	2	4	2	11	0	0	5	95 k=0.58 (0.51-0.65)	13	1	5	0	0	1	0	0	26	182 (5.7%)
Pneumonia (category 5/group 8)	21	6	16	1	7	3	2	4	7	67 k=0.35 (0.29-0.42)	2	3	4	2	3	0	1	12	161 (5.0%)
Sepsis/urosepsis (category 5/group 11)	12	1	2	2	2	1	0	0	2	4	15 k=0.25 (0.14-0.36)	7	1	3	5	0	1	10	68 (2.1%)
renal failure, acute &/or chronic (category 5/group 14)	8	2	2	0	5	0	0	0	0	3	1	12 k=0.19 (0.09-0.29)	0	1	12	0	0	11	57 (1.8%)
Liver disease (category 5/group 12)	0	1	0	1	0	0	0	0	0	1	0	0	11 k=0.42 (0.25-0.59)	0	1	0	0	2	17 (0.5%)

Appendix Table 3 Cont'd

GI: bleed, perf bowel, pancreatitis (category 5/group 13)	14	1	3	7	3	0	0	2	3	2	2	2	2	14	21 k=0.31 (0.20-0.41)	1	0	0	12	87 (2.7%)
Diabetes & other metabolic (category 5/group 15)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5 k=0.09 (0.02-0.16)	0	0	1	7 (0.2%)
Failure to thrive (category 5/group 18)	5	2	5	0	0	1	1	1	0	1	1	0	0	0	0	0	0	1	1	19 (0.6%)
Blood disease (category 5/group 19)	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	7 k=0.54 (0.30-0.77)	1	11 (0.3%)
Other (category 5/all others)	25	3	18	2	5	2	2	1	1	4	3	2	2	3	5	0	0	0	77	155 (4.8%)
Total (row %)	796 (24.9%)	81 (2.5%)	332 (10.4%)	79 (2.5%)	142 (4.4%)	113 (3.5%)	26 (0.8%)	727 (22.8%)	135 (4.2%)	185 (5.8%)	47 (1.5%)	59 (1.8%)	35 (1.1%)	45 (1.4%)	100 (3.1%)	0	15 (0.5%)	277 (8.7%)	3194	
* combined CHD/CHF k=0.6127																				