

Supplemental Table 1. Disease categories under study and corresponding International Statistical Classification of Disease (ICD)-10 codes

DISEASE CLASS	CORRESPONDING ICD-10 CODES¹
Accidents (Unintentional Injuries)	V00-X59, Y85-Y86
Cancer	C00-C97
Major Cardiovascular Disease	I00-I78
Multiple Sclerosis	G35
Pneumonia	J12-J18
Septicemia	A40-A41
Suicide	U03, X60-X84, Y87.0

¹As Classified by the Centers for Disease Control and Prevention

Supplemental Table 2. Expected and Observed Deaths by age group at enrollment, race, sex and underlying cause of death for NARCOMS

Age Group	Gender	Race	Accidents		Cancer		MS		Major CV		Other		Pneumonia		Septicemia		Suicide	
			ED	Obs	ED	Obs	ED	Obs	ED	Obs	ED	Obs	ED	Obs	ED	Obs	ED	Obs
25-44	Female	AA	0.8	0	1.6	3	0.0	14	1.8	2	3.9	4	0.1	0	0.1	3	0.1	0
25-44	Female	Other	0.6	0	0.9	1	0.0	9	0.4	3	1.1	1	0.0	1	0.0	1	0.2	1
25-44	Female	White	14.8	4	18.0	18	0.3	122	10.0	27	23.3	73	0.9	9	0.8	6	5.1	9
25-44	Male	AA	0.6	0	0.3	0	0.0	11	0.7	2	1.9	3	0.0	1	0.0	0	0.2	0
25-44	Male	Other	0.5	1	0.3	0	0.0	8	0.3	0	0.6	1	0.0	1	0.0	3	0.2	2
25-44	Male	White	10.2	5	3.8	9	0.0	94	5.5	21	10.9	21	0.3	4	0.2	4	4.8	4
45-54	Female	AA	0.7	0	4.7	3	0.1	12	4.7	5	5.2	5	0.2	1	0.3	1	0.1	0
45-54	Female	Other	0.4	1	2.5	3	0.0	9	1.1	4	1.7	3	0.1	0	0.1	0	0.2	1
45-54	Female	White	14.7	8	71.5	67	1.5	202	35.0	56	51.9	101	2.2	10	2.5	16	5.9	8
45-54	Male	AA	0.8	1	2.2	2	0.0	7	3.4	6	3.7	6	0.1	0	0.2	1	0.1	0
45-54	Male	Other	0.5	0	1.3	3	0.0	18	1.5	6	1.5	4	0.1	0	0.1	1	0.2	0
45-54	Male	White	13.3	10	29.3	31	0.3	179	35.4	63	37.3	75	1.2	14	1.2	12	7.2	6
55-64	Female	AA	0.2	0	3.6	2	0.0	9	3.6	6	3.0	1	0.1	1	0.3	0	0.0	0
55-64	Female	Other	0.2	0	2.5	3	0.0	12	1.5	3	1.6	4	0.1	3	0.1	0	0.1	0
55-64	Female	White	4.8	5	75.6	59	1.1	130	40.3	67	48.5	89	2.1	13	2.7	5	1.9	3
55-64	Male	AA	0.3	0	2.5	0	0.0	0	3.0	7	2.3	2	0.1	3	0.2	1	0.0	0
55-64	Male	Other	0.2	0	1.6	1	0.0	12	1.6	3	1.3	7	0.1	3	0.1	0	0.1	1
55-64	Male	White	5.9	10	52.5	53	0.4	156	50.2	67	39.8	77	1.7	15	1.7	5	3.7	11
65-74	Female	AA	0.0	0	0.9	2	0.0	2	1.2	2	0.9	1	0.0	0	0.1	0	0.0	0
65-74	Female	Other	0.1	0	1.0	1	0.0	5	0.9	1	0.8	0	0.1	0	0.0	0	0.0	0
65-74	Female	White	1.4	2	38.9	29	0.3	59	30.3	40	32.5	42	1.6	7	1.6	6	0.3	0
65-74	Male	AA	0.1	0	1.8	2	0.0	1	2.1	1	1.4	3	0.1	0	0.1	0	0.0	1
65-74	Male	Other	0.1	0	2.0	1	0.0	4	2.1	7	1.5	6	0.1	1	0.1	0	0.0	0
65-74	Male	White	2.4	3	50.5	37	0.2	119	49.3	69	38.6	53	2.2	23	1.8	4	1.5	1
75+	Female	AA	0.0	0	0.2	0	0.0	0	0.6	0	0.4	1	0.0	0	0.0	0	0.0	0
75+	Female	Other	0.0	0	0.6	0	0.0	3	1.5	0	1.1	2	0.2	0	0.0	0	0.0	0

75+	Female	White	0.7	0	12.1	3	0.0	18	34.2	17	27.6	17	2.6	8	1.1	2	0.0	0
75+	Male	AA	0.0	0	0.3	0	0.0	0	0.4	0	0.3	0	0.0	0	0.0	0	0.0	0
75+	Male	Other	0.0	1	0.8	0	0.0	4	1.5	5	1.1	2	0.2	0	0.0	0	0.0	0
75+	Male	White	1.0	0	18.2	12	0.0	32	34.7	20	26.9	32	2.8	9	1.1	1	0.4	0

NARCOMS=North American Research Committee on Multiple Sclerosis; MS=Multiple Sclerosis; CV=Cardiovascular; Obs=Observed Deaths ED=Expected Deaths; AA=African American

Supplemental Figure 1. Participant Disposition Chart

