

## **SUPPLEMENTAL MATERIAL**

### **Race, socioeconomic status, and life expectancy after acute myocardial infarction**

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Supplemental Tables – 6

**Table R2.1. Unadjusted hazard ratios for age, race, socioeconomic status (SES), gender and their interactions from the Cox proportional hazards model\***

<b>Variable</b>	<b>Hazard Ratio (95% Confidence Interval)</b>	<b>p-value</b>
Age (per 1 year increase from age 65)	1.08 (1.08-1.08)	<0.001
Black race	1.43 (1.32, 1.55)	<0.001
Area-level SES		
High	1.00	--
Medium	1.19 (1.16-1.23)	<0.001
Low	1.38 (1.32-1.45)	<0.001
Female sex	0.95 (0.94-0.96)	<0.001
Black race*age	0.98 (0.98, 0.98)	<0.001
Medium SES*age	0.99 (0.99-0.99)	<0.001
Low SES*age	0.99 (0.99-0.99)	<0.001
Medium SES*black race	0.99 (0.92-1.08)	0.869
Low SES*black race	0.91 (0.83-0.99)	0.033

\*Parameter estimates from this model were used to calculate the expected survival curves for black and white patients with low, medium, and high area-level SES.

**Table S2. Adjusted hazard ratios for age, race, socioeconomic status (SES), gender and their interactions from the Cox proportional hazards model**

Variable	Hazard Ratio (95% Confidence Interval)	p-value
Age (per 1 year increase from age 65)	1.07 (1.06-1.07)	<0.001
Black race	1.13 (1.04-1.22)	0.005
Area-level SES		
High	1.00	--
Medium	1.18 (1.15-1.21)	<0.001
Low	1.35 (1.28-1.41)	<0.001
Female sex	0.92 (0.91-0.93)	<0.001
Black race*age	0.99 (0.99-0.99)	<0.001
Medium SES*age	0.99 (0.99-0.99)	<0.001
Low SES*age	0.99 (0.99-0.99)	<0.001
Medium SES*black race	0.96 (0.89-1.04)	0.376
Low SES*black race	0.90 (0.82-0.98)	0.022

\*Parameter estimates from this model were used to calculate the expected survival curves for black and white patients with low, medium, and high area-level SES.

**Table S3. Percentage of initial cohort still living after 17 years of follow-up.**

Age	High Socioeconomic Status				Medium Socioeconomic Status				Low Socioeconomic Status			
	White Patients		Black Patients		White Patients		Black Patients		White Patients		Black Patients	
	Sample Size	% Censored	Sample Size	% Censored	Sample Size	% Censored	Sample Size	% Censored	Sample Size	% Censored	Sample Size	% Censored
65	1025	29.7	40	22.5	3533	24.3	246	16.3	282	19.9	108	13.9
66	1190	28.3	39	12.8	3880	21.4	298	14.1	278	16.7	117	14.5
67	1227	26.7	41	17.1	4002	18.3	332	11.1	333	13.8	125	9.6
68	1290	19.5	40	5.0	4099	16.8	307	11.4	298	14.1	130	10.0
69	1346	18.7	43	2.3	4316	14.3	379	8.4	348	9.8	106	10.4
70	1373	17.9	37	5.4	4578	13.0	309	6.8	357	9.0	124	9.7
71	1396	12.8	50	6.0	4546	10.4	299	10.0	364	8.2	129	7.0
72	1456	11.4	44	15.9	4582	8.8	326	6.4	375	7.7	131	5.3
73	1425	10.3	36	11.1	4787	7.9	302	3.6	355	4.8	97	3.1
74	1546	9.0	42	4.8	4666	6.7	298	3.7	350	5.1	103	3.9
75	1378	5.4	36	8.3	4432	4.9	279	4.7	330	3.9	123	4.1
76	1325	5.3	40	12.5	4389	3.5	275	2.9	357	3.9	91	3.3
77	1373	4.1	28	3.6	4323	2.8	248	1.6	339	2.4	85	2.4
78	1264	2.2	29	0	4155	1.9	212	1.9	351	1.4	88	0
79	1225	2.0	30	3.3	4130	1.5	224	1.3	323	1.9	100	2.0
80	1301	1.6	36	2.8	4188	1.0	229	2.6	358	1.1	93	5.4
81	1230	1.0	34	0	3989	1.0	197	3.6	295	0	92	0
82	1082	0.7	20	5.0	3742	0.8	195	0.5	299	0.3	79	0
83	1034	0.7	16	0	3483	0.5	149	1.3	287	0.7	67	0
84	1014	0.6	12	0	3119	0.5	164	0.6	257	0.8	82	0
85	851	0.4	18	0	2854	0.4	104	1.0	216	0	60	0
86	810	0.1	13	0	2492	0.2	114	0	210	1.0	40	0
87	703	0.1	15	0	2271	0.2	99	0	199	0.5	49	0
88	616	0.5	9	0	1902	0.3	92	1.1	129	0	37	2.7
89	525	0	7	0	1576	0.2	73	0	135	0	29	0
90	410	0	8	0	1226	0.2	66	1.5	101	0	30	0

**Table S4. Post-myocardial infarction life expectancy estimates by race and socioeconomic status**

Age	High Socioeconomic Status		Medium Socioeconomic Status		Low Socioeconomic Status	
	White Patients Mean (95% CI)	Black Patients Mean (95% CI)	White Patients Mean (95% CI)	Black Patients Mean (95% CI)	White Patients Mean (95% CI)	Black Patients Mean (95% CI)
65	13.55 (13.31, 13.79)	10.25 (9.57, 11.01)	11.87 (11.73, 11.99)	8.86 (8.52, 9.21)	10.54 (10.17, 10.92)	8.42 (7.98, 8.89)
66	12.73 (12.51, 12.94)	9.72 (9.08, 10.44)	11.18 (11.06, 11.3)	8.44 (8.14, 8.76)	9.94 (9.61, 10.29)	8.04 (7.64, 8.48)
67	11.95 (11.75, 12.14)	9.22 (8.61, 9.9)	10.52 (10.41, 10.63)	8.04 (7.76, 8.33)	9.37 (9.07, 9.68)	7.69 (7.31, 8.09)
68	11.2 (11.02, 11.38)	8.73 (8.16, 9.38)	9.9 (9.8, 9.99)	7.65 (7.4, 7.91)	8.82 (8.55, 9.1)	7.34 (6.99, 7.71)
69	10.49 (10.33, 10.65)	8.27 (7.72, 8.88)	9.3 (9.21, 9.39)	7.28 (7.05, 7.52)	8.3 (8.05, 8.55)	7 (6.68, 7.35)
70	9.81 (9.67, 9.95)	7.82 (7.3, 8.4)	8.73 (8.65, 8.81)	6.92 (6.71, 7.14)	7.8 (7.58, 8.02)	6.68 (6.38, 7)
71	9.16 (9.04, 9.29)	7.39 (6.9, 7.94)	8.18 (8.11, 8.25)	6.58 (6.39, 6.77)	7.32 (7.12, 7.52)	6.37 (6.09, 6.66)
72	8.55 (8.43, 8.66)	6.98 (6.52, 7.5)	7.66 (7.59, 7.73)	6.24 (6.07, 6.42)	6.86 (6.68, 7.04)	6.07 (5.8, 6.34)
73	7.96 (7.86, 8.06)	6.59 (6.14, 7.09)	7.17 (7.1, 7.22)	5.92 (5.76, 6.09)	6.43 (6.27, 6.59)	5.78 (5.53, 6.04)
74	7.4 (7.31, 7.5)	6.21 (5.78, 6.69)	6.69 (6.64, 6.75)	5.61 (5.46, 5.77)	6.01 (5.86, 6.16)	5.49 (5.26, 5.74)
75	6.88 (6.79, 6.96)	5.85 (5.44, 6.3)	6.24 (6.19, 6.29)	5.32 (5.17, 5.47)	5.62 (5.48, 5.75)	5.22 (5, 5.46)
76	6.37 (6.29, 6.45)	5.5 (5.11, 5.94)	5.81 (5.76, 5.86)	5.03 (4.89, 5.18)	5.24 (5.11, 5.37)	4.96 (4.74, 5.19)
77	5.9 (5.82, 5.97)	5.17 (4.79, 5.59)	5.41 (5.36, 5.45)	4.75 (4.61, 4.9)	4.88 (4.75, 5)	4.71 (4.5, 4.93)
78	5.45 (5.37, 5.52)	4.85 (4.49, 5.25)	5.02 (4.97, 5.06)	4.49 (4.35, 4.63)	4.54 (4.42, 4.66)	4.46 (4.26, 4.68)
79	5.02 (4.94, 5.09)	4.54 (4.2, 4.93)	4.65 (4.6, 4.69)	4.23 (4.09, 4.38)	4.21 (4.09, 4.33)	4.23 (4.02, 4.44)
80	4.61 (4.54, 4.68)	4.25 (3.92, 4.63)	4.3 (4.25, 4.34)	3.99 (3.85, 4.13)	3.9 (3.78, 4.02)	4 (3.8, 4.21)
81	4.23 (4.16, 4.3)	3.97 (3.65, 4.34)	3.97 (3.92, 4.01)	3.75 (3.61, 3.9)	3.61 (3.49, 3.72)	3.78 (3.58, 3.99)
82	3.87 (3.8, 3.94)	3.71 (3.39, 4.06)	3.65 (3.61, 3.69)	3.53 (3.38, 3.68)	3.33 (3.21, 3.44)	3.57 (3.37, 3.78)
83	3.53 (3.46, 3.6)	3.45 (3.15, 3.79)	3.35 (3.31, 3.39)	3.31 (3.16, 3.46)	3.06 (2.94, 3.18)	3.37 (3.16, 3.58)
84	3.22 (3.15, 3.29)	3.22 (2.92, 3.55)	3.08 (3.04, 3.12)	3.11 (2.96, 3.27)	2.82 (2.7, 2.94)	3.18 (2.98, 3.39)
85	2.92 (2.85, 3)	2.99 (2.7, 3.32)	2.82 (2.78, 2.86)	2.91 (2.76, 3.08)	2.59 (2.46, 2.71)	3 (2.79, 3.21)
86	2.65 (2.57, 2.72)	2.78 (2.5, 3.1)	2.58 (2.53, 2.62)	2.73 (2.57, 2.89)	2.37 (2.25, 2.49)	2.82 (2.62, 3.04)
87	2.39 (2.32, 2.46)	2.57 (2.3, 2.88)	2.34 (2.3, 2.38)	2.55 (2.39, 2.72)	2.16 (2.04, 2.28)	2.65 (2.45, 2.88)
88	2.15 (2.07, 2.22)	2.38 (2.11, 2.68)	2.13 (2.08, 2.17)	2.38 (2.22, 2.55)	1.96 (1.84, 2.09)	2.49 (2.28, 2.72)
89	1.92 (1.85, 1.99)	2.19 (1.94, 2.49)	1.92 (1.88, 1.96)	2.22 (2.06, 2.39)	1.78 (1.66, 1.91)	2.33 (2.13, 2.56)
90	1.71 (1.64, 1.78)	2.02 (1.77, 2.3)	1.73 (1.69, 1.77)	2.06 (1.9, 2.24)	1.61 (1.5, 1.74)	2.19 (1.98, 2.42)

**Table S5. Unadjusted white-black differences in life expectancy by socioeconomic status**

<b>Age</b>	<b>High Socioeconomic Status Mean (SE)</b>	<b>Medium Socioeconomic Status Mean (SE)</b>	<b>Low Socioeconomic Status Mean (SE)</b>
65	3.25 (0.39)	2.98 (0.19)	2.15 (0.30)
66	2.97 (0.36)	2.98 (0.17)	1.90 (0.28)
67	2.70 (0.34)	2.45 (0.15)	1.65 (0.25)
68	2.47 (0.32)	2.23 (0.14)	1.48 (0.23)
69	2.19 (0.34)	2.00 (0.13)	1.24 (0.21)
70	2.04 (0.29)	1.77 (0.11)	1.07 (0.19)
71	1.76 (0.27)	1.59 (0.10)	0.95 (0.18)
72	1.52 (0.26)	1.41 (0.10)	0.78 (0.17)
73	1.39 (0.25)	1.24 (0.09)	0.64 (0.15)
74	1.19 (0.23)	1.08 (0.08)	0.52 (0.14)
75	0.98 (0.22)	0.92 (0.08)	0.39 (0.14)
76	0.84 (0.22)	0.79 (0.08)	0.25 (0.13)
77	0.73 (0.21)	0.66 (0.08)	0.18 (0.13)
78	0.59 (0.20)	0.52 (0.08)	0.07 (0.12)
79	0.51 (0.19)	0.42 (0.08)	-0.01 (0.12)
80	0.36 (0.19)	0.31 (0.08)	-0.09 (0.12)
81	0.23 (0.18)	0.21 (0.08)	-0.17 (0.12)
82	0.16 (0.17)	0.12 (0.08)	-0.25 (0.12)
83	0.08 (0.17)	0.05 (0.08)	-0.31 (0.12)
84	0.00 (0.17)	-0.02 (0.08)	-0.34 (0.12)
85	-0.08 (0.16)	-0.07 (0.08)	-0.4 (0.12)
86	-0.11 (0.16)	-0.15 (0.09)	-0.45 (0.13)
87	-0.20 (0.16)	-0.19 (0.09)	-0.49 (0.13)
88	-0.20 (0.15)	-0.24 (0.09)	-0.53 (0.13)
89	-0.27 (0.15)	-0.28 (0.09)	-0.55 (0.13)
90	-0.27 (0.14)	-0.31 (0.09)	-0.57 (0.13)

**Table S6. Adjusted white-black differences in life expectancy by socioeconomic status**

<b>Age</b>	<b>High Socioeconomic Status Mean (SE)</b>	<b>Medium Socioeconomic Status Mean (SE)</b>	<b>Low Socioeconomic Status Mean (SE)</b>
65	0.93 (0.34)	0.59 (0.17)	0.1 (0.26)
66	0.81 (0.32)	0.5 (0.15)	0.02 (0.24)
67	0.7 (0.3)	0.4 (0.14)	-0.06 (0.22)
68	0.59 (0.29)	0.32 (0.13)	-0.12 (0.2)
69	0.5 (0.27)	0.24 (0.12)	-0.19 (0.19)
70	0.4 (0.26)	0.16 (0.11)	-0.25 (0.17)
71	0.32 (0.25)	0.09 (0.1)	-0.3 (0.16)
72	0.24 (0.23)	0.02 (0.09)	-0.36 (0.15)
73	0.16 (0.22)	-0.04 (0.08)	-0.41 (0.14)
74	0.1 (0.22)	-0.1 (0.08)	-0.45 (0.13)
75	0.03 (0.21)	-0.16 (0.08)	-0.49 (0.13)
76	-0.03 (0.2)	-0.21 (0.07)	-0.53 (0.12)
77	-0.08 (0.2)	-0.25 (0.07)	-0.57 (0.12)
78	-0.14 (0.19)	-0.3 (0.07)	-0.6 (0.12)
79	-0.18 (0.19)	-0.34 (0.08)	-0.63 (0.12)
80	-0.23 (0.18)	-0.38 (0.08)	-0.66 (0.12)
81	-0.27 (0.18)	-0.41 (0.08)	-0.68 (0.12)
82	-0.3 (0.17)	-0.44 (0.08)	-0.7 (0.12)
83	-0.33 (0.17)	-0.47 (0.08)	-0.72 (0.12)
84	-0.37 (0.17)	-0.49 (0.09)	-0.74 (0.13)
85	-0.39 (0.17)	-0.52 (0.09)	-0.76 (0.13)
86	-0.42 (0.16)	-0.54 (0.09)	-0.78 (0.13)
87	-0.44 (0.16)	-0.56 (0.09)	-0.79 (0.14)
88	-0.46 (0.16)	-0.57 (0.1)	-0.8 (0.14)
89	-0.48 (0.16)	-0.59 (0.1)	-0.8 (0.14)
90	-0.49 (0.16)	-0.6 (0.1)	-0.81 (0.14)