

Supplement, Table 1. Weighted linear regression models examining the association between neighborhood physical disorder and muscle strength in 4,692 Men in the Health and Retirement Study (2012-2014); Including Neighborhood Disorder x Age Interaction Models.

	Model A	Model B	Model C	Model D	Model E
	Age-adjusted	+Demographic characteristics	+ Socioeconomic status	+ Neighborhood Disorder x Age	+ Neighborhood Disorder x Age (Continuous Age Only)
Intercept	41.9 (41.5, 42.3)	41.7 (40.9, 42.5)	39.4 (38.4, 40.3)	39.85 (38.64, 41.05)	39.86 (38.64, 41.05)
Age	-0.51 (-0.54, -0.48)	-0.52 (-0.55, -0.49)	-0.54 (-0.57, -0.51)	-0.58 (-0.63, -0.52)	-0.57 (-0.60, -0.53)
Less than 65 (reference)					
Greater than 65				0.05 (-1.09, 1.21)	
Neighborhood Physical Disorder					
No/Low (Reference)					
Moderate	-1.13 (-1.85, -0.40)	-0.94 (-1.65, -0.23)	-0.71 (-1.41, -0.01)	-1.11 (-2.17, -0.04)	-.72 (-1.40, 0.03)
High	-3.25 (-3.94, -2.47)	-2.47 (-3.20, -1.74)	-1.95 (-2.68, -1.22)	-2.85 (-3.97, -1.74)	-1.93 (-2.94, -1.21)
Race/ethnicity					
White (reference)					
Black		-0.59 (-1.92, 0.74)	-0.05 (-1.31, 1.41)	0.06(-1.24, 1.38)	0.10 (-1.22, 1.42)
Other race		-4.22 (-5.54, -2.91)	-3.79 (-5.11, -2.47)	-3.76 (-5.06, -2.46)	-3.79 (-5.10, -2.48)
Marital Status					
Married/Partnered (reference)					
Separated/Divorced/Widowed		-0.88 (-1.64, -.12)	-0.24 (-1.05, 0.57)	-0.23 (-1.04, 0.57)	-0.25 (-1.05, 0.55)
Single/Never Married		-3.94 (-5.49, -2.41)	-3.40 (-5.41, -2.31)	-3.23 (-4.81, -1.66)	-3.29 (-4.88, -1.71)
Education					
<HS		-0.16 (-1.17, 0.84)	-0.05 (-0.83, 0.74)	-0.47 (-1.47, 0.54)	-0.46 (-1.46, 0.55)
HS		-0.47 (-1.48, 0.53)	-0.47 (-1.48, 0.53)	0.07 (-0.71, 0.85)	0.06 (-0.71, 0.84)
College (reference)		0.85 (0.32, 1.50)			
Household Wealth					
Bottom quartile			1.43 (0.53, 2.32)	1.35 (0.45, 2.25)	1.38 (0.48, 2.29)
Lower middle quartile			2.89 (1.99, 3.78)	2.80 (1.90, 3.69)	2.82 (1.93, 3.72)
Upper middle quartile			3.43 (2.54, 4.31)	3.35 (1.56, 3.39)	3.39 (2.49, 4.29)
Upper quartile (reference)					

Neighborhood Physical Disorder x Age				
Greater than 65 x Medium Disorder			0.75 (-0.46, 1.94)	
Greater than 65 x High Disorder			1.80 (0.54, 3.05)	
Age x Medium Disorder				0.03 (-0.02, 0.08)
Age x High Disorder				0.08 (0.24, 0.14)

Supplement, Table 2. Weighted linear regression models examining the association between neighborhood physical disorder and muscle strength in 6, 585 Women in the Health and Retirement Study (2012-2014); Including Neighborhood Disorder x Age Interaction Model.

	Model A	Model B	Model C	Model D	Model E
	Age-adjusted	+Demographic characteristics	+ Socioeconomic status	+ Neighborhood Disorder x Age	+ Neighborhood Disorder x Age (Continuous Age Only)
Intercept	25.28 (24.99, 25.57)	25.71 (25.37, 26.05)	24.19 (23.71, 24.71)	23.56 (25.82, 24.28)	23.53 (22.94, 24.11)
Age	-0.32 (-0.34, -0.31)	-0.31 (-0.33, -0.29)	-0.23 (-0.33, -0.29)	-0.33 (-0.36, -0.31)	-0.34 (-0.36, -0.31)
Less than 65 (reference)					
Greater than 65				-0.05 (-0.64, 0.55)	
Neighborhood Physical Disorder					
No/Low (Reference)					
Moderate	-0.30 (-0.75, 0.15)	-0.27 (-0.71, 0.16)	-0.19 (-0.66, 0.20)	-1.01 (-1.60, -0.43)	-0.21 (-0.63, 0.21)
High	-0.87 (-1.33, -0.43)	-0.83 (-1.28, -0.38)	-0.64 (-1.11, -0.19)	-0.35 (-1.08, 0.38)	-0.65 (-1.11, -0.19)
Race/ethnicity					
White (reference)					
Black		1.57 (1.08, 2.06)	1.80 (1.32, 2.28)	1.89 (1.40, 2.39)	1.89 (1.40, 2.39)
Other race		-1.48 (-2.33, -0.65)	-1.33 (-2.19, -0.47)	-1.30 (-2.16, -0.45)	-1.30 (-2.16, -0.45)
Marital Status					
Married/Partnered (reference)					
Separated/Divorced/Widowed		-0.25 (-0.66, 0.14)	-0.06 (-0.46, 0.35)	0.15 (-0.23, 0.53)	0.15 (-0.24, 0.53)
Single/Never Married		0.06 (-0.76, 0.63)	0.11 (-0.56, .077)	0.38 (-0.31, 1.07)	0.38 (-0.31, 1.07)
Education					
<HS		-1.13 (-1.64, -0.63)	-0.17 (-0.68, 0.35)	0.11 (-0.39, 0.63)	0.11 (-0.40, 0.63)
HS		-0.77 (-1.13, -0.42)	0.59 (0.23, 0.96)	0.69 (0.19, 1.20)	0.69 (0.18, 1.18)
College (reference)					
Household Income					
Bottom quartile			0.98 (0.04, 1.92)	1.27 (0.71, 1.84)	1.28 (0.71, 1.85)
Lower middle quartile			0.65 (0.24, 1.06)	1.31 (0.85, 1.76)	1.32 (0.86, 1.78)
Upper middle quartile			1.34 (0.87, 1.82)	1.65 (1.12, 2.18)	1.66 (1.12, 2.20)

Upper quartile (reference)				
Neighborhood Physical Disorder x Age				
Greater than 65 x Medium Disorder			0.28 (-0.51, 1.09)	
Greater than 65 x High Disorder			0.74 (-0.01, 1.47)	
Age x Medium Disorder				0.02 (-0.01, 0.06)
Age x High Disorder				0.03 (-0.01, 0.07)