

Table 2: Associations of father-child relationship closeness with cardiovascular health (Life's Essential 8 score) and carotid intima-media thickness (cIMT) using multivariable linear regression

Outcome	Extremely Close	Quite Close, Beta (95% CI)	Fairly Close, Beta (95% CI)	Not very Close, Beta (95% CI)
Total Cardiovascular Health				
• Model 1	ref	0.862 (-1.29, 3.019)	-1.10 (-3.46, 1.263)	-2.84 (-4.96, -0.72)
• Model 2	ref	1.688 (-0.57, 3.953)	0.310 (-2.20, 2.824)	-1.53 (-3.91, 0.844)
Mean_mean_cIMT				
• Model 1	ref	0.003 (-0.01, 0.01)	-0.001 (-0.01, 0.001)	0.011 (0.002, 0.019)
• Model 2	ref	0.003 (-0.01, 0.01)	0.002 (-0.01, 0.01)	0.014 (0.004, 0.02)
Mean_Max_cIMT				
• Model 1	ref	0.005 (-0.004, 0.01)	0.001 (-0.01, 0.01)	0.007 (-0.002, 0.01)
• Model 2	ref	0.002 (-0.01, 0.01)	0.002 (-0.01, 0.01)	0.011 (0.001, 0.022)

Bold signifies $p < 0.05$

Model 1 adjusted for child age, race, and sex

Model 2 adjusted for child age, race, and sex; primary caregivers education level and poverty level; fathers age; and the child's relationship with mom