

Supplementary Table S1. Sensitivity analysis showing the association of Life's Essential 8 score with all-cause and cardiovascular mortality.

	Deaths (n)	Weighted death (n)	Univariable model		Multivariable model 1		Multivariable model 2	
			HR	<i>p</i>	HR	<i>p</i>	HR	<i>p</i>
All-cause mortality								
LE8	224	5,178,707	0.979 (0.969,0.989)	<0.0001	0.969 (0.959,0.981)	<0.0001	0.976 (0.962,0.990)	<0.001
Categories								
High-CVH	16	929,878	Reference	–	Reference	–	Reference	–
Moderate-CVH	146	3,196,805	2.354 (1.262,4.390)	0.007	2.712 (1.481,4.963)	0.001	1.933 (1.052,3.552)	0.034
Low-CVH	62	1,052,024	2.580 (1.208,5.507)	0.014	3.592 (1.726,7.475)	<0.001	2.377 (1.099,5.141)	0.028
Cardiovascular mortality								
LE8	71	5,806,191	0.986 (0.965,1.007)	0.986	0.971 (0.952,0.991)	0.005	0.980 (0.958,1.002)	0.076
Categories								
High-CVH	5	970,317	Reference	–	Reference	–	Reference	–
Moderate-CVH	44	3,643,111	1.783 (0.583,5.457)	0.311	2.150 (0.776, 5.959)	0.141	1.512 (0.532,4.301)	0.438
Low-CVH	22	1,192,763	2.429 (0.687,8.586)	0.168	4.026 (1.281,12.659)	0.017	2.577 (0.777,8.544)	0.122

The multivariable model 1 was adjusted for age and sex; the multivariable model 2 was adjusted for patient age, sex, race/ethnicity, poverty-to-income ratio, education levels, and marital status.