

Supplementary Table 4. Risk of cardio-cerebrovascular mortality in according to the Q range of each SFAs

Variable	Model 1		Model 2		Model 3		Model 4	
	HR (95% CI)	p-value	aHR (95% CI)	p-value	aHR (95% CI)	p-value	aHR (95% CI)	p-value
Total SFA Q1	Reference		Reference		Reference		Reference	
Total SFA Q2	1.04 (0.92–1.17)	0.55	1.03 (0.92–1.16)	0.60	1.05 (0.92–1.20)	0.45	1.09 (0.94–1.27)	0.27
Total SFA Q3	1.00 (0.88–1.12)	0.95	1.10 (0.97–1.24)	0.13	1.10 (0.96–1.26)	0.16	1.10 (0.94–1.29)	0.21
Total SFA Q4	1.14 (1.02–1.29)	0.03	1.21 (0.08–1.37)	0.001	1.21 (0.07–1.38)	0.003	1.19 (1.02–1.38)	0.03
C 4:0 Q1	Reference		Reference		Reference		Reference	
C 4:0 Q2	0.85 (0.76–0.96)	0.007	0.91 (0.81–1.02)	0.11	0.94 (0.83–1.07)	0.35	0.98 (0.85–1.14)	0.84
C 4:0 Q3	0.82 (0.73–0.93)	0.001	0.92 (0.82–1.04)	0.18	1.00 (0.88–1.14)	0.99	1.06 (0.92–1.24)	0.41
C 4:0 Q4	0.91 (0.81–1.02)	0.12	0.92 (0.82–1.03)	0.16	0.96 (0.84–1.08)	0.48	0.98 (0.85–1.14)	0.81
C 6:0 Q1	Reference		Reference		Reference		Reference	
C 6:0 Q2	0.86 (0.76–0.97)	0.01	0.92 (0.81–1.03)	0.14	0.95 (0.84–1.08)	0.43	1.01 (0.87–1.17)	0.86
C 6:0 Q3	0.86 (0.77–0.97)	0.01	0.94 (0.84–1.06)	0.32	1.02 (0.90–1.16)	0.73	1.04 (0.90–1.21)	0.57
C 6:0 Q4	1.01 (0.90–1.13)	0.89	0.93 (0.83–1.04)	0.21	0.96 (0.84–1.08)	0.47	0.99 (0.86–1.15)	0.92
C 8:0 Q1	Reference		Reference		Reference		Reference	
C 8:0 Q2	0.86 (0.76–0.96)	0.009	0.89 (0.79–1.00)	0.047	0.98 (0.86–1.11)	0.77	1.08 (0.94–1.25)	0.28
C 8:0 Q3	0.87 (0.77–0.98)	0.02	0.92 (0.82–1.04)	0.19	0.96 (0.84–1.09)	0.55	1.01 (0.87–1.18)	0.90
C 8:0 Q4	1.03 (0.92–1.15)	0.64	0.99 (0.88–1.11)	0.89	1.05 (0.93–1.20)	0.40	1.09 (0.94–1.26)	0.26
C 10:0 Q1	Reference		Reference		Reference		Reference	
C 10:0 Q2	0.87 (0.78–0.98)	0.02	0.91 (0.81–1.02)	0.10	0.99 (0.87–1.12)	0.83	1.07 (0.92–1.23)	0.39
C 10:0 Q3	0.88 (0.78–0.99)	0.04	0.94 (0.83–1.05)	0.27	1.00 (0.88–1.14)	0.99	1.01 (0.87–1.18)	0.90
C 10:0 Q4	1.05 (0.94–1.18)	0.37	0.97 (0.87–1.09)	0.63	1.02 (0.90–1.16)	0.78	1.07 (0.93–1.25)	0.34
C 12:0 Q1	Reference		Reference		Reference		Reference	
C 12:0 Q2	0.83 (0.74–0.94)	0.003	0.89 (0.79–1.00)	0.05	0.95 (0.84–1.08)	0.45	0.99 (0.85–1.15)	0.86
C 12:0 Q3	0.87 (0.74–0.98)	0.02	0.89 (0.79–1.00)	0.05	0.93 (0.82–1.06)	0.26	0.96 (0.82–1.12)	0.59
C 12:0 Q4	1.06 (0.94–1.19)	0.34	0.98 (0.87–1.10)	0.73	1.02 (0.90–1.16)	0.71	1.03 (0.89–1.19)	0.67
C 14:0 Q1	Reference		Reference		Reference		Reference	
C 14:0 Q2	0.95 (0.84–1.06)	0.36	0.99 (0.88–1.12)	0.90	1.06 (0.93–1.20)	0.41	1.05 (0.91–1.22)	0.49
C 14:0 Q3	0.89 (0.79–1.00)	0.06	1.04 (0.92–1.17)	0.53	1.08 (0.95–1.23)	0.25	1.07 (0.92–1.25)	0.37
C 14:0 Q4	1.00 (0.89–1.12)	0.94	1.06 (0.95–1.19)	0.31	1.12 (0.98–1.27)	0.09	1.13 (0.97–1.31)	0.11
C 16:0 Q1	Reference		Reference		Reference		Reference	
C 16:0 Q2	0.99 (0.87–1.11)	0.82	0.98 (0.87–1.10)	0.74	0.97 (0.85–1.10)	0.61	0.94 (0.81–1.10)	0.46
C 16:0 Q3	1.03 (0.92–1.17)	0.57	1.08 (0.96–1.22)	0.19	1.10 (0.97–1.25)	0.16	1.10 (0.94–1.28)	0.23
C 16:0 Q4	1.10 (0.98–1.24)	0.11	1.21 (1.07–1.36)	0.002	1.16 (1.02–1.32)	0.03	1.09 (0.94–1.27)	0.25
C 18:0 Q1	Reference		Reference		Reference		Reference	
C 18:0 Q2	1.05 (0.93–1.19)	0.42	1.05 (0.93–1.19)	0.43	1.04 (0.91–1.19)	0.58	1.03 (0.88–1.20)	0.72
C 18:0 Q3	1.06 (0.94–1.19)	0.37	1.12 (0.99–1.26)	0.07	1.13 (0.99–1.29)	0.06	1.09 (0.93–1.27)	0.28
C 18:0 Q4	1.18 (1.05–1.33)	0.007	1.26 (1.12–1.41)	<0.001	1.20 (1.05–1.36)	0.007	1.12 (0.96–1.31)	0.16

aHR, adjusted hazard ratio; CI, confidence interval; HR, hazard ratio; Q, quartile; SFA, saturated fatty acid.

Model 1: non-adjusted. Model 2: adjusted with age and sex. Model 3: adjusted with variables in model 2 and ethnicity, education, household income, body mass index, and total energy intake. Model 4: adjusted with variables in model 3 and alcohol drinking, smoking, systolic blood pressure, serum glucose, serum albumin, total cholesterol, uric acid, urine albumin-to-creatinine ratio, consumption of fatty acid supplements, and Health Eating Index-2020 score excluding fatty acid components.