

Dietary fat quality and risk of sudden cardiac death in women

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Supplemental Table. Multivariable relative risk (RR) of SCD by quintiles of fatty acid intake (% total fat) derived from the exposure distribution of the cases

	Quintiles of fatty acid intake (% total fat) based on distribution in cases					P, linear trend ¹
	1	2	3	4	5	
Saturated						
Median, % of total fat	33.1	36.8	39.3	41.4	44.7	
Cases	77	77	77	75	79	
RR (95%CI) of SCD						
Multivariable model ²	1.0 (REF)	1.10 (0.80, 1.51)	1.55 (1.12, 2.13)	1.60 (1.16, 2.21)	1.61 (1.16, 2.22)	<0.001
Multivariable model + intermediate diseases ³	1.0 (REF)	1.00 (0.72, 1.37)	1.29 (0.94, 1.79)	1.24 (0.89, 1.72)	1.18 (0.85, 1.64)	0.16
Polyunsaturated						
Median, % of total fat	9.4	11.9	14.1	16.6	20.3	
Cases	76	77	77	77	77	
RR (95%CI) of SCD						
Multivariable model ²	1.0 (REF)	1.02 (0.74, 1.40)	0.62 (0.45, 0.86)	0.55 (0.40, 0.77)	0.52 (0.37, 0.72)	<0.001
Multivariable model + intermediate diseases ³	1.0 (REF)	1.09 (0.79, 1.51)	0.75 (0.54, 1.04)	0.76 (0.55, 1.06)	0.74 (0.53, 1.04)	0.03
Monounsaturated fat						
Median, % of total fat	35.4	38.1	39.6	41.5	44.2	
Cases	76	78	77	76	77	
RR (95%CI) of SCD						
Multivariable model ²	1.0 (REF)	0.97	1.23	1.36	1.29	0.03

		(0.70, 1.33)	(0.89, 1.70)	(0.98, 1.88)	(0.93, 1.79)	
Multivariable model + intermediate diseases ³	1.0 (REF)	0.97 (0.70, 1.33)	1.11 (0.81, 1.54)	1.10 (0.79, 1.52)	0.91 (0.65, 1.27)	0.80
<i>Trans</i>						
Median, % of total fat	3.7	4.5	5.3	6.1	7.8	
Cases	76	77	77	77	77	
RR (95%CI) of SCD						
Multivariable model ²	1.0 (REF)	1.10 (0.80, 1.52)	1.00 (0.73, 1.38)	1.03 (0.75, 1.42)	1.21 (0.88, 1.67)	0.31
Multivariable model + intermediate diseases ³	1.0 (REF)	1.06 (0.77, 1.45)	0.97 (0.70, 1.34)	0.94 (0.68, 1.29)	1.03 (0.74, 1.42)	0.99

¹ Test for linear trend calculated by assigning the median value of diet score in each quintile and modeling this as a continuous variable in regression models

² The RR are estimated from multivariate Cox proportional hazards models adjusted for age (in months), history of diabetes, hypertension, hypercholesterolemia, CHD and cancer at baseline (all yes/no), and %energy from total fat (quintiles), total calories (quintiles), smoking (3 categories), BMI (3 categories), family history of MI (no, before 60, after 60), menopausal status (yes/no), hormone therapy (current, past, never), exercise (4 categories), aspirin use (<1, 1-6, 7+ times/week), use of multivitamins (yes/no), use of vitamin E supplements (yes/no), and alcohol (4 categories) as time-varying covariates.

³ Intermediate diseases include current diagnosis of hypertension, hypercholesterolemia, diabetes, CHD and stroke, as time-varying covariates