

Supplemental Figure 1. Study Participant Flow Chart

(servings/1000 kcal) 2 BMI (<30 kg/m ²) Z2 Z3 No. of cases 24 22 23 Total no. at risk 269 272 298 Minimally adjusted ³ 1.0 0.94 (0.50, 1.79) ⁴ 0.90 (0.47, 1.69) 0.74 Multivariate ⁵ 1.0 0.96 (0.50, 1.82) 0.90 (0.48, 1.71) 0.75 BMI (\geq 30 kg/m ²) No. of cases 79 71 58 Total no. at risk 272 269 243 Minimally adjusted ³ 1.0 0.86 (0.58, 1.27) 0.79 (0.58, 1.07) 0.13 Multivariate ⁵ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 BMI ⁶ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 BMI ⁶ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 BMI ⁶ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 BMI ⁶ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 BMI ⁶ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 BMI ⁶ 1.0		Tertile 1	Tertile 2	Tertile 3	P-trend
No. of cases242223Total no. at risk269272298Minimally adjusted ³ 1.00.94 (0.50, 1.79) ⁴ 0.90 (0.47, 1.69)0.74Multivariate ⁵ 1.00.96 (0.50, 1.82)0.90 (0.48, 1.71)0.75BMI ⁶ 1.00.96 (0.50, 1.82)0.90 (0.48, 1.71)0.75BMI (≥30 kg/m²) V V V V No. of cases797158Total no. at risk272269243Minimally adjusted ³ 1.00.86 (0.58, 1.27)0.79 (0.58, 1.07)0.13Multivariate ⁵ 1.00.86 (0.57, 1.29)0.79 (0.58, 1.07)0.14BMI ⁶ 1.00.86 (0.57, 1.29)0.79 (0.58, 1.07)0.14Low-fat dairy food intake (servings/1000 kcal) ⁷ V V V Minimally adjusted ³ 1.00.67 (0.36, 1.22)1.02 (0.62, 1.66)0.96Multivariate ⁵ 1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI (<30 kg/m²) V V V V No. of cases331224 V Minimally adjusted ³ 1.00.67 (0.36, 1.22)1.02 (0.62, 1.66)0.96Multivariate ⁵ 1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI (5 1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI (5 1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI (5 1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77<	Full-fat dairy food intake (servings/1000 kcal) ²				
Total no. at risk269272298Minimally adjusted³1.00.94 (0.50, 1.79)40.90 (0.47, 1.69)0.74Multivariate⁵1.00.96 (0.50, 1.82)0.90 (0.48, 1.71)0.75BMI⁶1.00.96 (0.50, 1.82)0.90 (0.48, 1.71)0.75BMI (≥30 kg/m²) 71 58 75 71 58Total no. at risk2722692430.13Multivariate⁵1.00.86 (0.57, 1.29)0.79 (0.58, 1.07)0.13BMI⁶1.00.86 (0.57, 1.29)0.79 (0.58, 1.07)0.14BMI⁶1.00.86 (0.57, 1.29)0.79 (0.58, 1.07)0.14Low-fat dairy food intake (servings/1000 kcal)7331224No. of cases3312240.96Minimally adjusted³1.00.67 (0.36, 1.22)1.02 (0.62, 1.66)0.96Multivariate⁵1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI (<30 kg/m²)	BMI (<30 kg/m ²)				
Minimally adjusted³ 1.0 0.94 (0.50, 1.79)4 0.90 (0.47, 1.69) 0.74 Multivariate⁵ 1.0 0.96 (0.50, 1.82) 0.90 (0.48, 1.71) 0.75 BMI⁶ 1.0 0.96 (0.50, 1.82) 0.90 (0.48, 1.71) 0.75 BMI (≥30 kg/m²)	No. of cases	24	22	23	
Multivariate ⁵ 1.0 0.96 (0.50, 1.82) 0.90 (0.48, 1.71) 0.75 BMI ⁶ 1.0 0.96 (0.50, 1.82) 0.90 (0.48, 1.71) 0.75 BMI (≥30 kg/m ²) 71 58 0.90 (0.48, 1.71) 0.75 No. of cases 79 71 58 Total no. at risk 272 269 243 Minimally adjusted ³ 1.0 0.86 (0.58, 1.27) 0.79 (0.58, 1.07) 0.13 Multivariate ⁵ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 BMI ⁶ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 Low-fat dairy food intake (servings/1000 kcal)? BMI (<30 kg/m ²) 727 0.79 0.79 0.58 0.70 BMI (<30 kg/m ²) 72 24 72 24 72 73 73 BMI (<30 kg/m ²) 73 72 79 79 79 70 79 Minimally adjusted ³ 1.0 0.67 (0.36, 1.22) 1.02 (0.62, 1.66) 0.96 96 Multivariate ⁵ 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 <	Total no. at risk	269	272	298	
BMI ⁶ 1.0 0.96 (0.50, 1.82) 0.90 (0.48, 1.71) 0.75 BMI (≥30 kg/m ²) No. of cases 79 71 58 Total no. at risk 272 269 243 Minimally adjusted ³ 1.0 0.86 (0.58, 1.27) 0.79 (0.58, 1.07) 0.13 Multivariate ⁵ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 BMI ⁶ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 Low-fat dairy food intake (servings/1000 kcal) ⁷ BMI (<30 kg/m ²) No. of cases 33 12 24 Total no. at risk 363 197 279 Minimally adjusted ³ 1.0 0.67 (0.36, 1.22) 1.02 (0.62, 1.66) 0.96 Multivariate ⁵ 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI (≥30 kg/m ²) No. of cases 72 66 70 Total no. at risk 283 239 262 Minimally adjusted ³ 1.0 1.07 (0.77, 1.48) 1.04 (0.77, 1.41) 0.80	Minimally adjusted ³	1.0	$0.94 (0.50, 1.79)^4$	0.90 (0.47, 1.69)	0.74
BMI (≥30 kg/m ²) No. of cases 79 71 58 Total no. at risk 272 269 243 Minimally adjusted ³ 1.0 0.86 (0.58, 1.27) 0.79 (0.58, 1.07) 0.13 Multivariate ⁵ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 BMI ⁶ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 Low-fat dairy food intake (servings/1000 kcal) ⁷ BMI (<30 kg/m ²) No. of cases 33 12 24 Total no. at risk 363 197 279 Minimally adjusted ³ 1.0 0.67 (0.36, 1.22) 1.02 (0.62, 1.66) 0.96 Multivariate ⁵ 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI ⁶ 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI ⁶ 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI ⁶ 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI ⁶ 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI ⁶ 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI ⁶ 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI (≥30 kg/m ²) No. of cases 72 66 70 Total no. at risk 283 239 262 Minimally adjusted ³ 1.0 1.07 (0.77, 1.48) 1.04 (0.77, 1.41) 0.80	Multivariate ⁵	1.0	0.96 (0.50, 1.82)	0.90 (0.48, 1.71)	0.75
No. of cases797158Total no. at risk272269243Minimally adjusted ³ 1.00.86 (0.58, 1.27)0.79 (0.58, 1.07)0.13Multivariate ⁵ 1.00.86 (0.57, 1.29)0.79 (0.58, 1.07)0.14BMI ⁶ 1.00.86 (0.57, 1.29)0.79 (0.58, 1.07)0.14Low-fat dairy food intake (servings/1000 kcal) ⁷ 1.00.86 (0.57, 1.29)0.79 (0.58, 1.07)0.14BMI (<30 kg/m ²)	BMI ⁶	1.0	0.96 (0.50, 1.82)	0.90 (0.48, 1.71)	0.75
Total no. at risk 272 269 243 Minimally adjusted ³ 1.0 0.86 (0.58, 1.27) 0.79 (0.58, 1.07) 0.13 Multivariate ⁵ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 BMI ⁶ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 Low-fat dairy food intake (servings/1000 kcal) ⁷ 0.14 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 Low-fat dairy food intake (servings/1000 kcal) ⁷ BMI (<30 kg/m ²) 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 Low-fat dairy food intake (servings/1000 kcal) ⁷ BMI (<30 kg/m ²) 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 Low-fat dairy food intake (servings/1000 kcal) ⁷ BMI (<30 kg/m ²) 24 100 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 Low-fat dairy food intake (servings/1000 kcal) ⁷ 1.02 0.62, 1.66) 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.97 0.77 BMI ⁶ 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 0.77 BMI (≥30 kg/m ²) No. of cases 72 66 70	BMI (≥30 kg/m²)				
Minimally adjusted31.00.86 (0.58, 1.27)0.79 (0.58, 1.07)0.13Multivariate51.00.86 (0.57, 1.29)0.79 (0.58, 1.07)0.14BMI61.00.86 (0.57, 1.29)0.79 (0.58, 1.07)0.14Low-fat dairy food intake (servings/1000 kcal)71.00.86 (0.57, 1.29)0.79 (0.58, 1.07)0.14Low-fat dairy food intake (servings/1000 kcal)7331224Minimally adjusted31.00.67 (0.36, 1.22)1.02 (0.62, 1.66)0.96Multivariate51.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI (<30 kg/m2)	No. of cases	79	71	58	
Multivariate ⁵ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 BMI ⁶ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 Low-fat dairy food intake (servings/1000 kcal) ⁷ 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 Dw-fat dairy food intake (servings/1000 kcal) ⁷ 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 Low-fat dairy food intake (servings/1000 kcal) ⁷ 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 Multivariate ⁵ 33 12 24 24 Total no. at risk 363 197 279 Multivariate ⁵ 1.0 0.67 (0.36, 1.22) 1.02 (0.62, 1.66) 0.96 Multivariate ⁵ 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI (≥30 kg/m ²) No. of cases 72 66 70 No. of cases 72 66 70 262 Minimally adjusted ³ 1.0 1.07 (0.77, 1.48) 1.04 (0.77, 1.41) 0.80	Total no. at risk	272	269	243	
BMI ⁶ 1.0 0.86 (0.57, 1.29) 0.79 (0.58, 1.07) 0.14 Low-fat dairy food intake (servings/1000 kcal) ⁷ BMI (<30 kg/m ²) 0.14 No. of cases 33 12 24 Total no. at risk 363 197 279 Minimally adjusted ³ 1.0 0.67 (0.36, 1.22) 1.02 (0.62, 1.66) 0.96 Multivariate ⁵ 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI (≥30 kg/m ²) 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI (≥30 kg/m ²) 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI (≥30 kg/m ²) V V V 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI (≥30 kg/m ²) V V V V 0.80 No. of cases 72 66 70 70 Total no. at risk 283 239 262 Minimally adjusted ³ 1.0 1.07 (0.77, 1.48) 1.04 (0.77, 1.41) 0.80	Minimally adjusted ³	1.0	0.86 (0.58, 1.27)	0.79 (0.58, 1.07)	0.13
Low-fat dairy food intake (servings/1000 kcal) ⁷ BMI (<30 kg/m ²) No. of cases 33 12 24 Total no. at risk 363 197 279 Minimally adjusted ³ 1.0 0.67 (0.36, 1.22) 1.02 (0.62, 1.66) 0.96 Multivariate ⁵ 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI ⁶ 1.0 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 BMI (≥30 kg/m ²) No. of cases 72 66 70 Total no. at risk 283 239 262 Minimally adjusted ³ 1.0 1.07 (0.77, 1.48) 1.04 (0.77, 1.41) 0.80	Multivariate ⁵	1.0	0.86 (0.57, 1.29)	0.79 (0.58, 1.07)	0.14
(servings/1000 kcal)7BMI (<30 kg/m²)No. of cases331224Total no. at risk363197279Minimally adjusted³1.00.67 (0.36, 1.22)1.02 (0.62, 1.66)0.96Multivariate⁵1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI⁶1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI⁶1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI (≥30 kg/m²)VNo. of cases726670Total no. at risk283239262Minimally adjusted³1.01.07 (0.77, 1.48)1.04 (0.77, 1.41)0.80	BMI ⁶	1.0	0.86 (0.57, 1.29)	0.79 (0.58, 1.07)	0.14
No. of cases331224Total no. at risk363197279Minimally adjusted ³ 1.00.67 (0.36, 1.22)1.02 (0.62, 1.66)0.96Multivariate ⁵ 1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI ⁶ 1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI (\geq 30 kg/m ²)VVVVNo. of cases726670Total no. at risk283239262Minimally adjusted ³ 1.01.07 (0.77, 1.48)1.04 (0.77, 1.41)0.80	Low-fat dairy food intake (servings/1000 kcal) ⁷				
Total no. at risk363197279Minimally adjusted³1.00.67 (0.36, 1.22)1.02 (0.62, 1.66)0.96Multivariate⁵1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI⁶1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI (≥30 kg/m²) V V V V No. of cases726670Total no. at risk283239262Minimally adjusted³1.01.07 (0.77, 1.48)1.04 (0.77, 1.41)0.80	BMI (<30 kg/m ²)				
Minimally adjusted31.00.67 (0.36, 1.22)1.02 (0.62, 1.66)0.96Multivariate51.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI61.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI (\geq 30 kg/m²)0.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77No. of cases726670Total no. at risk283239262Minimally adjusted31.01.07 (0.77, 1.48)1.04 (0.77, 1.41)0.80	No. of cases	33	12	24	
Multivariate ⁵ 1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI ⁶ 1.00.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77BMI (\geq 30 kg/m ²)0.65 (0.35, 1.22)0.96 (0.58, 1.57)0.77No. of cases726670Total no. at risk283239262Minimally adjusted ³ 1.01.07 (0.77, 1.48)1.04 (0.77, 1.41)0.80	Total no. at risk	363	197	279	
BMI ⁶ 1.0 0.65 (0.35, 1.22) 0.96 (0.68, 1.57) 0.77 BMI (≥30 kg/m²) 0.65 (0.35, 1.22) 0.96 (0.58, 1.57) 0.77 No. of cases 72 66 70 Total no. at risk 283 239 262 Minimally adjusted ³ 1.0 1.07 (0.77, 1.48) 1.04 (0.77, 1.41) 0.80	Minimally adjusted ³	1.0	0.67 (0.36, 1.22)	1.02 (0.62, 1.66)	0.96
BMI (≥30 kg/m ²) No. of cases 72 66 70 Total no. at risk 283 239 262 Minimally adjusted ³ 1.0 1.07 (0.77, 1.48) 1.04 (0.77, 1.41) 0.80	Multivariate ⁵	1.0	0.65 (0.35, 1.22)	0.96 (0.58, 1.57)	0.77
No. of cases 72 66 70 Total no. at risk 283 239 262 Minimally adjusted ³ 1.0 1.07 (0.77, 1.48) 1.04 (0.77, 1.41) 0.80	BMI ⁶	1.0	0.65 (0.35, 1.22)	0.96 (0.58, 1.57)	0.77
Total no. at risk 283 239 262 Minimally adjusted ³ 1.0 1.07 (0.77, 1.48) 1.04 (0.77, 1.41) 0.80	BMI (≥30 kg/m²)				
Minimally adjusted31.01.07 (0.77, 1.48)1.04 (0.77, 1.41)0.80	No. of cases	72	66	70	
	Total no. at risk	283	239	262	
Multivariate ⁸ 1.0 1.08 (0.77, 1.51) 1.06 (0.78, 1.42) 0.72	Minimally adjusted ³	1.0	1.07 (0.77, 1.48)	1.04 (0.77, 1.41)	0.80
	Multivariate ⁸	1.0	1.08 (0.77, 1.51)	1.06 (0.78, 1.42)	0.72

Supplemental Table 1. Hazard Ratios (95% CIs) for associations of full-fat and low-fat dairy food intake (servings/1000kcal) with incident diabetes among participants in the Strong Heart Family Study (stratified by BMI)¹

BMI⁶ 1.0 1.08 (0.77, 1.51) 1.06 (0.78, 1.42) 0.72

¹ BMI, body mass index; CI, confidence interval; IQR, inter-quartile range; kcal, kilocalorie

 2 Full-fat dairy food group consisted of whole milk, and cheese and cheese spreads with one serving equal to 250 mL (8 ounces) of milk or 42.5 g (1.5 ounces) of cheese or cheese spread

³ Adjusted for age, sex, site, and total caloric intake

⁴Hazard ratios (95% CI) (all such values)

⁵ Additionally adjusted for education, physical activity, smoking status, diet quality (alternative healthy eating index), low-fat dairy food intake

⁶ Additionally adjusted for body mass index

⁷ Low-fat dairy food group consisted of 2% milk, 1% milk, non-fat milk, and low-fat cheese and cheese spreads with one serving equal to 250 mL (8 ounces) of milk or 42.5 g (1.5 ounces) of cheese or cheese spread

	Tertile 1	Tertile 2	Tertile 3	3 P-trend	
Full-fat dairy food intake (servings/1000 kcal) ²					
Females					
No. of cases	71	55	49		
Total no. at risk	344	331	311		
Minimally adjusted ³	1.0	$0.78 (0.53, 1.13)^4$	0.78 (0.53, 1.16)	0.21	
Multivariate ⁵	1.0	0.77 (0.53, 1.14)	0.79 (0.53, 1.17)	0.22	
BMI^{6}	1.0	0.77 (0.52, 1.13)	0.79 (0.52, 1.21)	0.26	
Males					
No. of cases	32	38	32		
Total no. at risk	197	210	230		
Minimally adjusted ³	1.0	1.09 (0.67, 1.78)	0.80 (0.53, 1.21)	0.27	
Multivariate ⁵	1.0	1.09 (0.67, 1.77)	0.80 (0.53, 1.21)	0.26	
BMI ⁶	1.0	1.20 (0.71, 2.02)	0.98 (0.62, 1.56)	0.94	
Low-fat dairy food intake (servings/1000 kcal) ⁷					
Females					
No. of cases	67	53	55		
Total no. at risk	373	286	327		
Minimally adjusted ³	1.0	0.99 (0.69, 1.41)	0.91 (0.66, 1.26)	0.58	
Multivariate ⁵	1.0	0.95 (0.65, 1.38)	0.93 (0.67, 1.29)	0.64	
BMI ⁶	1.0	0.79 (0.55, 1.14)	0.80 (0.57, 1.11)	0.18	
Males					
No. of cases	38	25	39		
Total no. at risk	273	150	214		
Minimally adjusted ³	1.0	1.27 (0.72, 2.25)	1.45 (0.87, 2.44)	0.15	
Multivariate ⁸	1.0	1.29 (0.70, 2.37)	1.47 (0.87, 2.48)	0.15	

Supplemental Table 2. Hazard Ratios (95% CIs) for associations of full-fat and low-fat dairy food intake (servings/1000kcal) with incident diabetes among participants in the Strong Heart Family Study (stratified by sex)¹

BMI⁶ 1.0 1.22 (0.71, 2.08) 1.27 (0.75, 2.17) 0.37

¹ BMI, body mass index; CI, confidence interval; IQR, inter-quartile range; kcal, kilocalorie

 2 Full-fat dairy food group consisted of whole milk, and cheese and cheese spreads with one serving equal to 250 mL (8 ounces) of milk or 42.5 g (1.5 ounces) of cheese or cheese spread

³ Adjusted for age, site, and total caloric intake

⁴Hazard ratios (95% CI) (all such values)

⁵ Additionally adjusted for education, physical activity, smoking status, diet quality (alternative healthy eating index), low-fat dairy food intake

⁶ Additionally adjusted for body mass index

⁷ Low-fat dairy food group consisted of 2% milk, 1% milk, non-fat milk, and low-fat cheese and cheese spreads with one serving equal to 250 mL (8 ounces) of milk or 42.5 g (1.5 ounces) of cheese or cheese spread

	Tertile 1	Tertile 2	Tertile 3	P-trend
Full-fat dairy food intake (servings/1000 kcal) ²				
<36 years old				
No. of cases	42	41	34	
Total no. at risk	241	286	291	
Minimally adjusted ³	1.0	$0.80 (0.52, 1.25)^4$	0.72 (0.48, 1.09)	0.12
Multivariate ⁵	1.0	0.76 (0.48, 1.22)	0.70 (0.47, 1.05)	0.09
BMI^{6}	1.0	0.72 (0.46, 1.11)	0.71 (0.47, 1.08)	0.11
≥36 years old				
No. of cases	61	52	47	
Total no. at risk	300	255	250	
Minimally adjusted ³	1.0	0.91 (0.60, 1.39)	0.85 (0.60, 1.22)	0.38
Multivariate ⁵	1.0	0.91 (0.60, 1.38)	0.85 (0.59, 1.20)	0.35
BMI ⁶	1.0	1.00 (0.65, 1.54)	0.89 (0.62, 1.30)	0.57
Low-fat dairy food intake (servings/1000 kcal) ⁷				
<36 years old				
No. of cases	42	39	36	
Total no. at risk	328	215	275	
Minimally adjusted ³	1.0	1.10 (0.69, 1.74)	0.82 (0.54, 1.23)	0.33
Multivariate ⁵	1.0	1.08 (0.68, 1.73)	0.87 (0.56, 1.36)	0.54
BMI^{6}	1.0	0.92 (0.54. 1.57)	0.82 (0.51, 1.33)	0.42
\geq 36 years old				
No. of cases	63	39	58	
Total no. at risk	318	221	266	
Minimally adjusted ³	1.0	0.96 (0.68, 1.37)	1.26 (0.83, 1.90)	0.30
Multivariate ⁸	1.0	0.97 (0.67, 1.41)	1.26 (0.82, 1.93)	0.30

Supplemental Table 3. Hazard Ratios (95% CIs) for associations of full-fat and low-fat dairy food intake (servings/1000kcal) with incident diabetes among participants in the Strong Heart Family Study (stratified by median age)¹

BMI^{6}	1.0	0.85 (0.58, 1.23)	1.06 (0.68, 1.66)	0.79
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¹ BMI, body mass index; CI, confidence interval; IQR, inter-quartile range; kcal, kilocalorie

 2 Full-fat dairy food group consisted of whole milk, and cheese and cheese spreads with one serving equal to 250 mL (8 ounces) of milk or 42.5 g (1.5 ounces) of cheese or cheese spread

³ Adjusted for age, sex, site, and total caloric intake

⁴Hazard ratios (95% CI) (all such values)

⁵ Additionally adjusted for education, physical activity, smoking status, diet quality (alternative healthy eating index), low-fat dairy food intake

⁶ Additionally adjusted for body mass index

⁷ Low-fat dairy food group consisted of 2% milk, 1% milk, non-fat milk, and low-fat cheese and cheese spreads with one serving equal to 250 mL (8 ounces) of milk or 42.5 g (1.5 ounces) of cheese or cheese spread

	Quantile 1 ²	Quantile 2 ²	Quantile 3 ²	P-trend
Full-Fat Milk (servings/1000kcal) ³	0	0.01-2.19		
Median intake (IQR)	0 (0, 0)	0.15 (0.05, 0.37)		
No. of cases	195	82		
Total no. at risk	1093	530		
Minimally adjusted ⁴	1.0	$0.90 (0.66, 1.23)^5$		0.50
Multivariate ⁶	1.0	0.91 (0.67, 1.23)		0.53
BMI ⁷	1.0	1.03 (0.76, 1.40)		0.84
Low- and Non-fat Milk (servings/1000kcal) ³	0	0.01-0.11	0.12-4.55	
Median intake (IQR)	0 (0,0)	0.04 (0.02, 0.07)	0.39 (0.22. 0.69)	
No. of cases	110	73	94	
Total no. at risk	672	410	541	
Minimally adjusted ⁴	1.0	1.00 (0.74, 1.36)	1.02 (0.75, 1.37)	0.71
Multivariate ⁸	1.0	0.99 (0.73, 1.36)	1.05 (0.77. 1.42)	0.54
BMI ⁷	1.0	0.88 (0.64, 1.21)	0.88 (0.64, 1.22)	0.80
Full-Fat Cheese and Cheese Spreads (servings/1000kcal) ³	0-0.03	>0.03-0.11	>0.11-1.17	
Median intake (IQR)	0.01 (0, 0.02)	0.07 (0.05, 0.08)	0.19 (0.14, 0.28)	
No. of cases	107	87	83	
Total no. at risk	541	541	541	
Minimally adjusted ⁴	1.0	0.83 (0.61, 1.11)	0.82 (0.59, 1.14)	0.37
Multivariate9	1.0	0.83 (0.61, 1.11)	0.82 (0.59, 1.14)	0.37
BMI ⁷	1.0	0.75 (0.57, 0.99)	0.78 (0.56, 1.0)	0.25

Supplemental Table 4. Hazard Ratios (95% CIs) for associations of reported intake of fullfat milk, low- and non-fat milk, and full-fat cheese and cheese spreads with incident diabetes among participants in the Strong Heart Family Study¹

¹ BMI, body mass index; CI, confidence interval; IQR, inter-quartile range; kcal, kilocalorie

² Low-fat and non-fat milk categorized as tertiles. Due to few consumers of full-fat milk, full-fat milk was categorized dichotomously

³ One serving equal to 250 mL (8 ounces) of milk or 42.5 g (1.5 ounces) of cheese or cheese spread

⁴ Adjusted for age, sex, site, and total caloric intake

Supplementary Data

⁵Hazard ratios (95% CI) (all such values)

⁶ Additionally adjusted for education, physical activity, smoking status, diet quality (alternative healthy eating index), and intake of low- and non-fat milk and full-fat cheese and cheese spreads

⁷ Additionally adjusted for body mass index

⁸ Additionally adjusted for education, physical activity, smoking status, diet quality (alternative healthy eating index), and intake of full-fat milk and cheese and cheese spreads

⁹ Additionally adjusted for education, physical activity, smoking status, diet quality (alternative healthy eating index), and intake of full-fat milk and low- and non-fat milk

	Tertile 1	Tertile 2	Tertile 3	P-trend
Full-fat dairy food intake (servings/1000 kcal) ²	<0.05	0.05 to <0.18	≥0.18	
Median intake (IQR)	0.02 (0.00,0.03)	0.11 (0.08,0.14)	0.34 (0.25,0.51)	
No. of cases	65	54	53	
Total no. at risk	541	541	541	
Minimally adjusted ³	1.0	$0.83 (0.54, 1.29)^4$	0.82 (0.57, 1.19)	0.30
Multivariate ⁵	1.0	0.85 (0.55, 1.30)	0.86 (0.59, 1.25)	0.41
BMI^{6}	1.0	0.87 (0.56, 1.36)	0.92 (0.60, 1.42)	0.71
Low-fat dairy food intake (servings/1000 kcal) ⁷	0	0 to <0.13	≥0.13	
Median intake (IQR)	0 (0,0)	0.04 (0.02,0.08)	0.40 (0.24,0.70)	
No. of cases	61	48	63	
Total no. at risk	646	436	541	
Minimally adjusted ³	1.0	1.18 (0.80, 1.73)	1.32 (0.93, 1.89)	0.12
Multivariate ⁸	1.0	1.15 (0.75, 1.77)	1.32 (0.89, 1.96)	0.16
BMI ⁶	1.0	0.94 (0.62, 1.44)	1.11 (0.73, 1.69)	0.59

Supplemental Table 5. Hazard Ratios (95% CIs) for associations of full-fat or low-fat dairy food intake with incident diabetes among participants in the Strong Heart Family Study (follow-up truncated post-2007-2009 examination)¹

¹ BMI, body mass index; CI, confidence interval; IQR, inter-quartile range; kcal, kilocalorie

 2 Full-fat dairy food group consisted of whole milk, and cheese and cheese spreads with one serving equal to 250 mL (8 ounces) of milk or 42.5 g (1.5 ounces) of cheese or cheese spread

³ Adjusted for age, sex, site, and total caloric intake

⁴Hazard ratios (95% CI) (all such values)

⁵ Additionally adjusted for education, physical activity, smoking status, diet quality (alternative healthy eating index), low-fat dairy food intake

⁶ Additionally adjusted for body mass index

⁷ Low-fat dairy food group consisted of 2% milk, 1% milk, non-fat milk, and low-fat cheese and cheese spreads with one serving equal to 250 mL (8 ounces) of milk or 42.5 g (1.5 ounces) of cheese or cheese spread

Supplemental Table 6. Hazard Ratios (95% CIs) for associations of full-fat dairy food intake (including cream, ice cream, and butter in the classification of full-fat dairy foods) with incident diabetes among participants in the Strong Heart Family Study¹

Tertile 1	Tertile 2	Tertile 3	<i>P</i> -trend
<0.17	0.17-<0.40	≥0.40	
0.09 (0.05, 0.12)	0.27 (0.21, 0.32)	0.62 (0.50, 0.94)	
103	93	81	
541	541	541	
1.0	$0.89 (0.63, 1.25)^4$	0.80 (0.53, 1.20)	0.07
1.0	0.88 (0.63, 1.24)	0.79 (0.53, 1.17)	0.03
1.0	0.90 (0.64, 1.27)	0.81 (0.53, 1.25)	0.08
	<0.17 0.09 (0.05, 0.12) 103 541 1.0 1.0	$\begin{array}{cccc} < 0.17 & 0.17 -< 0.40 \\ 0.09 & (0.05, 0.12) & 0.27 & (0.21, 0.32) \\ 103 & 93 \\ 541 & 541 \\ 1.0 & 0.89 & (0.63, 1.25)^4 \\ 1.0 & 0.88 & (0.63, 1.24) \\ \end{array}$	< 0.17 $0.17 - < 0.40$ ≥ 0.40 $0.09 (0.05, 0.12)$ $0.27 (0.21, 0.32)$ $0.62 (0.50, 0.94)$ 103 93 81 541 541 541 1.0 $0.89 (0.63, 1.25)^4$ $0.80 (0.53, 1.20)$ 1.0 $0.88 (0.63, 1.24)$ $0.79 (0.53, 1.17)$

¹ BMI, body mass index; CI, confidence interval; IQR, inter-quartile range; kcal, kilocalorie

² Full-fat dairy food group consisted of whole milk, cheese and cheese spreads, cream, ice cream, and butter with one serving equal to 250 mL (8 ounces) of milk, 42.5 g (1.5 ounces) of cheese or cheese spread, 15 grams (1 tablespoon) cream or butter, and 107 grams (4 ounces) ice cream

³ Adjusted for age, sex, site, and total caloric intake

⁴Hazard ratios (95% CI) (all such values)

⁵ Additionally adjusted for education, physical activity, smoking status, diet quality (alternative healthy eating index), low-fat dairy food intake

⁶ Additionally adjusted for body mass index