Supplementary Online Content

Luu HN, Blot WJ, Xiang Y-B, et al. Prospective evaluation of the association of nut/peanut consumption with total and cause-specific mortality. *JAMA Intern Med*.
Published online March 2, 2015. doi:10.1001/jamainternmed.2014.8347.

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1A. Sociodemographic Characteristics of Study Participants in the Americans of African Descent in the Southern Community Cohort Study (SCCS), by Quintile of Nut & Peanut Butter

Characteristics	Quintile 1 (n=10,361)	Quintile 2 (n=10,397)	Quintile 3 (n=8,661)	Quintile 4 (n=9,648)	Quintile 5 (n=9,380)	P-value
Age at baseline (Mean±SE)	51.7±0.08	51.5±0.008	51.7±0.09	51.5±0.09	51.4±0.09	0.01
40-49	47.0	47.9	46.8	47.8	47.9	0.003
50-59	34.0	34.3	35.2	34.9	35.2	
60-69	14.1	13.5	13.8	13.4	13.3	
70-79	4.8	4.3	4.2	3.9	3.6	
Education						
≤high school	37.8	32.2	27.8	28.4	27.2	<0.0001
High/vocational school	39.7	40.2	38.9	39.5	37.8	
Some or completed college	20.7	24.8	29.4	28.0	30.3	
>College	1.8	2.7	4.0	4.0	4.7	
Income[a]						
Low	65.3	59.9	55.5	56.9	54.7	<0.0001
Lower-middle	22.0	22.7	23.0	22.8	22.4	
Middle	9.5	12.7	14.5	14.2	15.1	
Upper-middle	2.8	3.9	5.9	5.1	6.2	
High	0.5	0.8	1.2	1.0	1.5	
Occupation						
Professional	20.3	21.3	25.4	23.6	24.9	<0.0001
Clerical	64.2	64.9	58.3	61.7	62.1	
Manual laborer/Housewife	7.4	7.3	9.8	8.8	7.6	
Never worked/Other	8.1	6.4	6.4	5.9	5.4	
Smoking						
Ever smoked regularly	58.4	63.0	60.3	62.8	65.3	<0.0001
Pack-years (Mean±SE)	18.9±0.2	18.8±0.2	18.6±0.2	17.9±0.2	18.6±0.2	0.02
None	42.1	37.5	40.2	37.8	35.3	<0.0001
0-less than 13 pack-years	26.7	28.3	27.8	29.9	29.5	
13-less than 22 pack-years	13.0	14.5	14.1	14.3	15.5	
22-less than 32 pack-years	7.7	8.7	7.8	8.6	9.0	
≥32 pack-years	10.5	11.0	10.1	9.5	10.7	
Alcohol consumption						
Number of drinks/day (Mean±SE)	1.0±0.03	1.4±0.03	1.1±0.04	1.2±0.03	1.4±0.03	<0.0001
Heavy (>3 drinks/day)	9.2	12.9	10.4	11.3	13.7	<0.0001
Moderate (≤3 drinks/day)	38.5	42.1	44.1	43.3	43.8	
None	52.3	45.0	45.4	45.3	42.5	
Body mass index (BMI-kg/m^2) (Mean±SE)	31.6±0.07	30.6±0.07	31.0±0.08	30.4±0.08	29.6±0.08	<0.0001
Underweight	1.2	1.0	1.1	1.1	1.1	<0.0001

(<18.5)						
Normal (18.5-24.9)	18.8	23.8	21.0	24.2	26.0	
Overweight (25-29.9)	27.3	29.1	28.7	29.4	32.5	
Obese (30-39.9)	38.3	35.1	36.5	34.2	31.9	
Morbidly obese (≥40)	14.4	11.0	12.7	11.1	8.4	
Use of vitamin supplements	37.6	40.0	43.3	44.8	48.9	<0.0001
Physical activity, MET-hours (Mean±SE)	0.8±0.01	0.9±0.01	0.9±0.01	1.0±0.01	1.1±0.01	<0.0001
Charles comorbidity index[b] (Mean±SE)	2.0±0.01	1.8±0.01	1.9±0.01	1.8±0.01	1.8±0.02	<0.0001
Other chronic diseases	76.0	71.4	74.3	72.4	72.1	<0.0001
Hypertension[c¶]	63.3	59.2	58.0	56.3	53.2	<0.0001
Diabetes[¶]	24.5	22.5	23.8	22.1	19.8	<0.0001
Heart attack/coronary bypass surgery[¶]	6.5	5.9	5.4	5.4	5.5	0.002
High cholesterol[c¶]	32.5	29.7	31.3	29.1	28.7	<0.0001
Stroke[¶]	7.0	6.4	5.7	5.5	6.0	<0.0001
Anti-hypertension medication	25.4	24.5	24.4	23.5	22.3	<0.0001
Anti-diabetes medication	21.2	19.6	20.4	19.2	16.7	<0.0001
Total energy intake (Kcal/day) (Mean±SE)	2,116.9±12.0	2,185.5±12.0	2,301.8±13.2	2,743.9±125	3,444.0±12.6	<0.0001
Dietary intake (grams/day) (Mean±SE)						
Red meat	52.2±0.8	54.7±0.8	58.2±0.8	68.4±0.8	79.6±0.8	<0.0001
Chicken	62.9±0.6	61.2±0.6	65.3±0.7	72.2±0.7	83.6±0.7	<0.0001
Seafood	43.6±0.6	42.6±0.6	46.9±0.7	54.9±0.6	67.1±0.6	<0.0001
Vegetables	158.6±1.5	152.3±1.5	168.0±1.6	183.6±1.5	214.9±1.5	<0.0001
Fruits	431.6±4.2	431.6±4.2	448.2±4.6	505.9±4.4	575.7±4.4	<0.0001
Family history of cancer	42.8	42.8	43.4	43.7	43.8	0.41
Family history of heart diseases/diabetes	65.0	62.7	64.9	63.8	63.5	0.004
Peanuts (Mean±SE) (Range)	0.44±0.09 (0.0-0.87)	1.86±0.09 (0.95-3.08)	5.25±0.10 (3.12-7.21)	11.85±0.10 (7.30-18.34)	38.43±0.10 (18.71-173.2)	<0.0001
Metabolic conditions[d]	82.3	77.9	78.3	76.1	73.7	<0.0001

Abbreviations: MET: metabolic equivalent; SE: standard error

Nut intake quintile cut-points (grams/day):
SCCS data:
Total nuts & peanut butter: Q1 (<0.95); Q2 (0.95-less than 3.08); Q3 (3.08-less than 7.30); Q4 (7.30-less than 18.45); Q5 (≥18.45)
Nut only: Q1 (<0.36); Q2 (0.36-less than 0.66); Q3 (0.66-less than 4.14); Q4 (4.14-less than 8.63); Q5 (≥8.63)
Peanut butter only: Q1 (<0.19); Q2 (0.19-less than 0.59); Q3 (0.59-less than 2.18); Q4 (2.18-less than 6.32); Q5 (≥6.32)

[a]Income:
Low (<$15,000/year per household); lower-middle ($15,000-$24,999/year per household); middle ($25,000-$49,999/year per household); upper-middle ($50,000-$99,999/year per household), high (≥$100,000/year per household)
[b]Charles comorbidity index: calculated based on number of existing chronic diseases.

[c]Self-reported.
[d]Metabolic condition: a person has one or more of the following conditions: history of hypertension, diabetes, history of heart disease, BMI≥30, or hypercholesterolemia.
[¶]Prevalence of disease conditions

eTable 1B. Sociodemographic Characteristics of Study Participants in the Americans of European Descent in the Southern Community Cohort Study (SCCS), by Quintile of Nut & Peanut Butter

Characteristics	Quintile 1 (n=3,812)	Quintile 2 (n=4,504)	Quintile 3 (n=4,951)	Quintile 4 (n=5,194)	Quintile 5 (n=4,956)	P-value
Age at baseline (Mean±SE)	53.7±0.15	53.5±0.13	53.7±0.13	54.1±0.13	55.3±0.13	<0.0001
40-49	38.6	38.4	38.7	36.4	31.7	<0.0001
50-59	34.9	35.9	35.4	35.7	35.7	
60-69	20.4	20.3	19.8	21.8	25.0	
≥70	6.0	5.3	6.0	6.2	7.6	
Education						
≤high school	36.9	27.1	20.0	18.5	15.2	<0.0001
High/vocational school	36.9	40.2	38.6	37.0	32.7	
Some or completed college	22.5	28.2	32.4	34.0	37.0	
>College	3.6	4.4	8.9	10.5	15.1	
Income[a]						
Low	60.4	51.1	43.0	41.2	34.8	<0.0001
Lower-middle	18.9	20.6	19.1	18.4	16.2	
Middle	12.3	15.8	18.2	18.3	19.3	
Upper-middle	6.2	9.6	14.2	15.5	19.5	
High	2.3	2.9	5.4	6.6	10.2	
Occupation						
Professional	21.5	25.8	32.2	34.5	39.5	<0.0001
Clerical	62.2	54.8	51.7	50.8	47.4	
Manual laborer/Housewife	10.2	14.0	11.4	10.2	8.5	
Never worked/Other	6.1	5.4	4.7	4.5	4.5	
Smoking						
Ever smoked regularly	69.1	66.0	66.1	65.0	65.8	0.0009
Pack-years (Mean±SE)	35.2±0.5	33.2±0.5	31.2±0.5	30.4±0.5	31.6±0.5	<0.0001
None	31.3	34.4	34.5	35.7	36.3	<0.0001
0-less than 13 pack-years	14.4	15.5	16.3	17.4	17.2	
13-less than 22 pack-years	10.7	10.0	11.0	10.8	9.9	
22-less than 32 pack-years	12.3	10.3	11.9	10.6	10.3	
≥32 pack-years	31.2	29.7	26.4	25.5	26.2	
Alcohol consumption						
Number of drinks/day (Mean±SE)	0.9±0.04	0.6±0.04	0.8±0.04	0.8±0.04	1.0±0.04	<0.0001
Heavy (>3 drinks/day)	7.4	5.1	6.9	6.9	8.6	<0.0001
Moderate (≤3 drinks/day)	33.5	39.1	45.1	46.8	48.4	
None	59.1	55.7	48.0	46.3	42.9	
Body mass index (BMI-kg/m^2) (Mean±SE)	30.5±0.12	30.7±0.11	29.9±0.11	29.7±0.10	28.9±0.10	<0.0001
Underweight (<18.5)	1.5	1.5	1.1	1.5	1.4	<0.0001
Normal (18.5-24.9)	23.9	23.6	25.9	25.8	28.6	
Overweight (25-29.9)	28.5	29.0	30.4	32.0	34.2	
Obese (30-39.9)	34.9	33.4	33.0	31.6	28.6	
Morbidly obese (≥40)	11.2	12.6	9.7	9.0	7.2	
Use of vitamin supplements	42.0	49.0	55.1	59.9	65.3	<0.0001

Physical activity, MET-hours (Mean±SE)	0.8±0.01	0.9±0.01	0.9±0.01	0.9±0.01	0.9±0.01	<0.0001
Charles comorbidity index[b] (Mean±SE)	2.3±0.03	2.2±0.02	2.0±0.02	2.0±0.02	2.0±0.02	<0.0001
Other chronic diseases	86.3	87.3	85.3	84.4	83.1	<0.0001
Hypertension[c¶]	54.7	51.3	46.1	48.7	45.2	<0.0001
Diabetes[¶]	21.6	20.3	18.0	19.2	18.0	<0.0001
Heart attack/coronary bypass surgery[¶]	12.3	8.7	9.0	9.0	9.0	<0.0001
High cholesterol[c¶]	43.1	41.9	41.2	41.9	42.4	0.48
Stroke[¶]	10.0	7.4	6.2	5.9	5.5	<0.0001
Anti-hypertension medication	30.9	28.4	27.7	29.7	28.6	<0.0001
Anti-diabetes medication	17.7	16.3	14.1	15.3	13.7	<0.0001
Total energy intake (Kcal/day) (Mean±SE)	1,899.9±16.7	1,823.9±15.4	2,057.2±14.7	2,341.2±14.3	2,775.6±14.7	<0.0001
Dietary intake (grams/day) (Mean±SE)						
Red meat	58.4±1.2	56.9±1.1	63.0±1.1	70.0±1.0	74.9±1.1	<0.0001
Chicken	50.0±0.9	50.2±0.8	53.2±0.8	60.1±0.8	62.9±0.8	<0.0001
Seafood	25.7±0.6	26.1±0.6	28.6±0.5	33.5±0.5	39.6±0.5	<0.0001
Vegetables	141.0±1.9	139.4±1.7	147.8±1.6	164.0±1.6	190.6±1.6	<0.0001
Fruits	244.1±4.5	244.0±4.2	259.4±4.0	287.4±3.9	330.6±4.0	<0.0001
Family history of cancer	60.4	62.1	61.6	60.5	62.4	0.18
Family history of heart diseases/diabetes	71.1	69.8	68.9	68.8	65.7	<0.0001
Peanuts (Mean±SE) (Range)	0.42±0.14 (0.0-0.90)	2.0±0.12 (0.96-3.03)	5.27±0.12 (3.17-7.29)	12.86±0.12 (7.43-18.45)	36.43±0.12 (18.52-164.0)	<0.0001
Metabolic conditions[d]	79.2	77.7	74.2	74.7	72.8	<0.0001

Abbreviations: MET: metabolic equivalent; SE: standard error

Nut intake quintile cut-points (grams/day):
SCCS data:
Total nuts & peanut butter: Q1 (<0.95); Q2 (0.95-less than 3.08); Q3 (3.08-less than 7.30); Q4 (7.30-less than 18.45); Q5 (≥18.45)
Nut only: Q1 (<0.36); Q2 (0.36-less than 0.66); Q3 (0.66-less than 4.14); Q4 (4.14-less than 8.63); Q5 (≥8.63)
Peanut butter only: Q1 (<0.19); Q2 (0.19-less than 0.59); Q3 (0.59-less than 2.18); Q4 (2.18-less than 6.32); Q5 (≥6.32)

[a]Income:
Low (<$15,000/year per household); lower-middle ($15,000-$24,999/year per household); middle ($25,000-$49,999/year per household); upper-middle ($50,000-$99,999/year per household), high (≥$100,000/year per household)
[b]Charles comorbidity index: calculated based on number of existing chronic diseases.
[c]Self-reported.
[d]Metabolic condition: a person has one or more of the following conditions: history of hypertension, diabetes, history of heart disease, BMI≥30, or hypercholesterolemia.
[¶]Prevalence of disease conditions

eTable 2. Sociodemographic Characteristics of Study Participants in the Shanghai Men's Health Study (SMHS) and Shanghai Women's Health Study (SWHS) by Quintile of Peanut

Characteristics	Quintile 1 (n=26,236)	Quintile 2 (n=21,853)	Quintile 3 (n=28,049)	Quintile 4 (n=32,438)	Quintile 5 (n=25,689)	P-value
Age at baseline (Mean±SE)	55.0±0.06	51.5±0.06	52.7±0.05	54.3±0.05	55.2±0.06	<0.0001
40-49	41.0	54.3	48.2	40.9	36.5	<0.0001
50-59	24.1	24.6	27.7	29.4	30.4	
60-69	26.4	18.6	20.4	23.8	26.3	
≥70	8.5	2.4	3.7	5.9	6.9	
Education[a]						
Elementary or less	20.3	14.3	13.7	13.7	11.6	<0.0001
Middle school	36.3	37.8	36.2	35.1	32.6	
≤high school	29.3	32.6	32.3	31.6	32.2	
Some or completed college	14.1	15.3	17.5	19.6	23.5	
Income[b]						
Low	17.9	14.3	13.9	13.5	13.0	<0.0001
Lower-middle	42.5	39.2	39.3	40.8	39.0	
Upper-middle	28.3	30.7	31.7	31.8	33.8	
High	11.3	15.8	15.1	13.9	14.1	
Occupation						
Professional	23.2	26.9	27.7	28.3	31.6	<0.0001
Clerical	21.3	21.4	21.6	20.9	21.3	
Manual laborer/Housewife	55.4	51.7	50.7	50.7	47.1	
Smoking[b]						
Ever smoked regularly	71.5	70.9	68.7	68.5	69.5	<0.0001
Pack-years (Mean±SE)	24.1±0.2	21.4±0.2	21.3±0.2	22.1±0.1	22.9±0.1	<0.0001
None	28.5	29.1	31.3	31.5	30.5	<0.0001
0-less than 13 pack-years	1.2	1.5	1.4	1.6	1.4	
13-less than 22 pack-years	5.8	8.3	6.9	6.4	6.1	
22-less than 32 pack-years	32.3	39.7	36.7	32.4	30.9	
≥32 pack-years	32.2	21.5	23.6	28.1	31.0	
Alcohol consumption[b]						
Ever consumed alcohol regularly	32.9	29.4	29.2	33.4	39.7	<0.0001
Number of drinks/day (Mean±SE)	1.0±0.02	0.8±0.01	0.7±0.01	0.7±0.02	0.9±0.02	<0.0001
Heavy (>3 drinks/day)	10.8	7.8	7.2	8.2	11.5	<0.0001
Moderate (≤3 drinks/day)	21.6	21.3	21.7	24.8	27.9	
None	67.5	70.9	71.1	66.9	60.6	
Regular tea consumption	43.5	39.3	44.5	50.1	55.2	<0.0001
Body mass index	23.4±0.02	23.7±0.01	23.9±0.02	24.0±0.02	24.1±0.02	<0.0001

(BMI-kg/m^2) (Mean±SE)						
Underweight (<18.5)	5.3	4.0	3.6	3.1	3.0	<0.0001
Normal (18.5-24.9)	61.9	64.4	62.3	61.2	60.4	
Overweight (25-29.9)	28.8	27.5	30.3	31.7	32.7	
Obese (30-39.9)	4.0	4.0	3.8	4.0	3.8	
Morbidly obese (≥40)	0.03	0.03	0.03	0.01	0.03	
Use of vitamin supplements	15.9	17.2	17.4	17.8	19.2	<0.0001
Physical activity, MET-hours (Mean±SE)	1.0±0.01	0.9±0.01	0.7±0.01	0.6±0.01	0.8±0.01	<0.0001
Charles comorbidity index[c] (Mean±SE)	0.6±0.01	0.4±0.01	0.5±0.01	0.5±0.01	0.6±0.01	<0.0001
Other chronic diseases	36.4	31.8	34.2	36.5	39.1	<0.0001
Hypertension[d¶]	28.9	22.8	24.8	27.0	27.9	<0.0001
Diabetes[¶]	5.8	3.3	4.3	5.4	6.8	<0.0001
Ischemic heart disease[¶]	7.3	5.2	5.7	6.2	6.9	<0.0001
Stroke[¶]	3.7	1.8	1.8	2.1	2.2	<0.0001
Anti-hypertension medication	21.2	15.6	17.8	19.7	20.6	<0.0001
Anti-diabetes medication	-	-	-	-	-	-
Total energy intake (Kcal/day) (Mean±SE)	1,711.3±2.8	1,647.4±2.7	1,748.8±2.5	1,834.4±2.4	1,933.9±3.0	<0.0001
Dietary intake (grams/day) (Mean±SE)						
Red meat	50.7±0.2	49.3±0.2	54.6±0.2	59.6±0.2	66.6±0.3	<0.0001
Chicken/duck	14.0±0.1	13.5±0.1	15.2±0.1	16.4±0.1	18.6±0.1	<0.0001
Seafood	46.8±0.3	45.4±0.3	49.7±0.2	53.7±0.2	58.8±0.3	<0.0001
Vegetables	291.2±1.1	267.5±1.0	303.8±1.0	337.8±1.0	378.3±1.3	<0.0001
Fruits	186.3±1.0	216.3±1.1	218.7±1.0	218.4±0.9	225.4±1.1	<0.0001
Family history of cancer	25.3	26.9	27.3	28.4	28.6	<0.0001
Peanuts (Mean±SE) (Range)	0.002±0.02 (0.0-0.07)	0.3±0.02 (0.15-0.65)	0.8±0.02 (0.7-1.31)	1.7±0.02 (1.05-2.54)	6.9±0.04 (2.6-132.5)	<0.0001
Metabolic conditions[e]	35.4	28.1	30.5	33.5	35.2	<0.0001

Abbreviations: MET: metabolic equivalent; SE: standard error

Nut/Peanut intake quintile cut-points (grams/day):
SMHS/SWHS data: Q1 (<0.14); Q2 (0.14- less than 0.72); Q3 (0.72-less than 1.45); Q4 (1.45-less than 2.54); Q5 (≥2.54)

[a]Income:
SMHS: low (<500 *yuan*/month per capita); lower-middle (500-999 *yuan*/moth per capita); upper-middle (1,000-1,999 *yuan*/month per capita); and high (>2,000 *yuan*/month per capita)
SWHS: low (<10,000 *yuan*/year per household); lower-middle (10,000-19,999 *yuan*/year per household); upper-middle (20,000-29,999 *yuan*/year per household); and high (≥30,000 *yuan*/year per household).
[b]Analysis in SMHS only.
[c]Charles comorbidity index: calculated based on number of existing chronic diseases.
[d]Self-reported.
[e]Metabolic condition: a person has one or more of the following conditions: history of hypertension, diabetes, history of heart disease, BMI≥30, unspecified dyslipidemia.
-: Data not available. Prevalence of disease conditions

eTable 3. Association of Nut/Peanut Intake with Cause-specific Mortality, by Race/Ethnicity and Gender

Causes of Death and Quintiles	Americans of African Descent (SCCS)[a]				Americans of European Descents (SCCS)[a]				Asian Ancestry (SMHS/SWHS)[b]			
	Men		Women		Men		Women		Men		Women	
	# of deaths	aHR (95% CI)	# of deaths	aHR (95% CI)	# of deaths	aHR (95% CI)	# of deaths	aHR (95% CI)	# of deaths	aHR (95% CI)	# of deaths	aHR (95% CI)
Cancer												
Quintile 1	105	Ref.	143	Ref.	45	Ref.	53	Ref.	390	Ref.	455	Ref.
Quintile 2	129	0.78 (0.59-1.02)	106	1.03 (0.78-1.35)	27	0.71 (0.41-1.23)	72	1.19 (0.81-1.75)	112	0.91 (0.72-1.13)	364	**0.87 (0.76-1.00)**
Quintile 3	84	**0.73 (0.54-0.99)**	91	0.99 (0.75-1.31)	43	0.70 (0.44-1.12)	60	1.07 (0.70-1.62)	212	0.88 (0.74-1.05)	434	0.83 (0.81-1.06)
Quintile 4	111	0.81 (0.61-1.08)	106	1.02 (0.77-1.34)	43	**0.61 (0.37-0.99)**	43	0.78 (0.49-1.24)	403	1.01 (0.88-1.17)	444	0.92 (0.81-1.06)
Quintile 5	111	**0.67 (0.50-0.90)**	66	0.83 (0.60-1.15)	78	0.79 (0.52-1.22)	35	1.03 (0.63-1.68)	375	0.96 (0.83-1.11)	343	0.97 (0.84-1.12)
P-trend		0.58		0.27		0.31		0.24		0.95		0.79
CVD												
Quintile 1	132	Ref.	190	Ref.	71	Ref.	62	Ref.	378	Ref.	445	Ref.
Quintile 2	184	0.87 (0.69-1.10)	115	0.84 (0.66-1.07)	39	0.96 (0.64-1.45)	60	0.75 (0.51-1.09)	107	0.94 (0.75-1.17)	257	**0.79 (0.67-0.92)**
Quintile 3	125	0.97 (0.75-1.25)	89	**0.69 (0.53-0.91)**	54	**0.60 (0.41-0.90)**	58	0.94 (0.64-1.37)	147	**0.70 (0.57-0.85)**	289	**0.78 (0.67-0.91)**
Quintile 4	135	0.82 (0.63-1.06)	101	0.83 (0.64-1.07)	57	**0.65 (0.44-0.96)**	44	0.71 (0.47-1.09)	226	**0.66 (0.56-0.79)**	283	**0.71 (0.61-0.83)**
Quintile 5	152	**0.72 (0.55-0.93)**	86	0.91 (0.68-1.22)	82	**0.67 (0.46-0.98)**	21	**0.54 (0.31-0.94)**	250	**0.78 (0.66-0.93)**	205	**0.72 (0.61-0.86)**
P-trend		**0.005**		0.95		0.15		**0.03**		**<0.0001**		**<0.0001**
Ischemic Heart Disease												
Quintile 1	52	Ref.	82	Ref.	37	Ref.	36	Ref.	100	Ref.	96	Ref.
Quintile 2	63	0.79 (0.53-1.16)	37	**0.59 (0.39-0.89)**	26	1.27 (0.74-2.18)	31	0.65 (0.39-1.09)	28	0.93 (0.60-1.44)	64	0.91 (0.66-1.26)
Quintile 3	58	1.22 (0.82-1.83)	39	0.76 (0.51-1.14)	33	0.74 (0.44-1.27)	28	0.74 (0.44-1.27)	37	**0.66 (0.44-0.97)**	67	0.83 (0.61-1.14)
Quintile 4	56	0.90 (0.60-1.36)	32	**0.61 (0.39-0.94)**	30	0.77 (0.45-1.32)	21	0.57 (0.31-1.04)	72	0.81 (0.59-1.10)	61	**0.70 (0.50-0.97)**
Quintile 5	53	**0.65 (0.43-1.00)**	29	0.66 (0.40-1.09)	39	0.67 (0.39-1.16)	11	0.58 (0.28-1.19)	69	0.80 (0.58-1.11)	37	**0.58 (0.39-0.87)**
P-trend		**0.05**		0.14		0.15		0.25		0.12		**0.002**
Ischemic Stroke												
Quintile 1	11	Ref.	17	Ref.	3	Ref.	6	Ref.	82	Ref.	106	Ref.
Quintile 2	16	1.10 (0.48-2.50)	5	0.58 (0.21-1.62)	1	0.73 (0.07-8.18)	2	0.23 (0.03-1.57)	28	1.22 (0.79-1.90)	60	0.80 (0.58-1.10)
Quintile 3	7	0.78 (0.28-2.14)	6	0.59 (0.21-1.67)	1	0.30 (0.03-3.31)	2	0.41 (0.06-2.97)	30	0.72 (0.47-1.10)	71	0.84 (0.62-1.14)
Quintile 4	7	0.65 (0.23-1.78)	10	1.18 (0.49-2.85)	3	0.70 (0.02-4.06)	2	0.22 (0.02-2.89)	42	**0.58 (0.39-0.86)**	68	**0.71 (0.52-0.97)**
Quintile 5	8	0.64 (0.24-1.73)	9	1.36 (0.53-3.53)	5	0.67 (0.12-3.83)	0	-[¶]	52	0.79 (0.54-1.14)	49	0.72 (0.51-1.03)
P-trend		0.08		0.47		0.43		0.35		**0.02**		**0.03**
Hemorrhagic Stroke												
Quintile 1	3	Ref.	12	Ref.	3	Ref.	2	Ref.	75	Ref.	105	Ref.
Quintile 2	5	1.11 (0.26-4.75)	7	0.78 (0.30-2.01)	1	0.60 (0.05-7.78)	4	-[¶]	33	1.38 (0.90-2.12)	62	**0.74 (0.54-1.01)**
Quintile 3	4	1.25 (0.27-5.86)	8	0.88 (0.35-2.19)	2	0.49 (0.05-4.76)	0	-[¶]	37	0.85 (0.56-1.27)	60	**0.63 (0.44-0.86)**
Quintile 4	6	1.36 (0.30-6.04)	7	0.69 (0.26-1.81)	5	0.73 (0.09-5.91)	1	-[¶]	49	0.74 (0.51-1.07)	68	**0.66 (0.49-0.91)**
Quintile 5	14	2.98 (0.76-11.58)	9	0.89 (0.35-2.26)	2	0.62 (0.06-6.14)	1	-[¶]	51	0.80 (0.55-1.16)	57	0.77 (0.55-1.07)
P-trend		**0.02**		0.25		0.90		-[¶]		**0.05**		**0.03**
Other CVD												
Quintile 1	44	Ref.	60	Ref.	26	Ref.	13	Ref.	121	Ref.	138	Ref.
Quintile 2	73	0.94 (0.64-1.38)	50	1.15 (0.18-1.69)	8	0.49 (0.22-1.12)	18	0.97 (0.46-2.04)	18	**0.48 (0.29-0.80)**	71	**0.72 (0.54-0.97)**
Quintile 3	39	0.79 (0.50-1.24)	29	0.63 (0.39-1.02)	14	**0.34 (0.16-0.74)**	20	1.63 (0.79-3.37)	43	**0.64 (0.44-0.91)**	91	0.83 (0.63-1.09)
Quintile 4	46	0.77 (0.50-1.19)	43	1.06 (0.70-1.61)	14	**0.38 (0.18-0.78)**	14	1.22 (0.55-2.71)	63	**0.55 (0.40-0.76)**	86	**0.74 (0.56-0.98)**
Quintile 5	51	**0.65 (0.42-1.00)**	27	0.96 (0.58-1.57)	26	**0.51 (0.27-0.98)**	7	0.73 (0.25-2.18)	78	0.77 (0.57-1.03)	62	0.79 (0.58-1.08)
P-trend		**0.04**		0.82		0.32		0.28		**0.02**		0.09
Diabetes												
Quintile 1	30	Ref.	40	Ref.	7	Ref.	11	Ref.	34	Ref.	108	Ref.
Quintile 2	30	0.65 (0.57-1.12)	27	1.02 (0.61-1.71)	5	1.73 (0.48-6.24)	10	0.75 (0.31-1.84)	13	1.43 (0.74-2.74)	50	**0.71 (0.51-1.00)**
Quintile 3	22	0.76 (0.42-1.39)	23	0.92 (0.53-1.59)	6	1.02 (0.28-3.71)	6	0.48 (0.16-1.43)	19	1.02 (0.56-1.85)	36	**0.48 (0.33-0.70)**
Quintile 4	22	0.61 (0.34-1.10)	25	0.96 (0.55-1.65)	14	2.15 (0.72-6.40)	10	0.92 (0.36-2.37)	25	0.86 (0.50-1.47)	71	0.91 (0.67-1.25)

Quintile 5	26	**0.54 (0.30-0.99)**	10	0.51 (0.24-1.10)	10	1.06 (0.33-3.45)	4	0.59 (0.17-2.07)	34	1.38 (0.83-2.30)	49	0.84 (0.59-1.20)
P-trend		0.70		**0.04**		0.86		0.97		0.58		0.38

Abbreviation: aHR: adjusted hazard ratio; CI: confidence interval; CVD: cardiovascular disease
Nut/Peanut intake quintile cut-points (grams/day):
SMHS/SWHS data (Peanut intake): Q1 (<0.14); Q2 (0.14- less than 0.72); Q3 (0.72-less than 1.45); Q4(1.45-less than 2.54); Q5 (≥2.54)
SCCS data (Total nut and peanut butter intake): Q1 (<0.95); Q2 (0.95-less than 3.08); Q3 (3.08-less than 7.30); Q4 (7.30-less than 18.45); Q5 (≥18.45)

Model adjusted for:
[a]Age, education, occupation, household income, marital status, smoking pack-years, alcohol consumption, BMI, physical activity, vitamin supplement use, Charles comorbidity index, metabolic conditions, total energy intake, red meat intake, chicken intake, seafood intake, vegetable intake, and fruit intake.
[b]Age, education, occupation, household income (SMHS) or income per capita (SWHS), smoking status, alcohol consumption (tertile-SMHS; ever/never-SWHS), BMI, physical activity, regular tea consumption, Charles comorbidity index, metabolic conditions, total energy intake, red meat intakes, chicken/duck intake, seafood intake, vegetable intake, and fruit intake.
[¶]Small number, estimate could not be calculated.

Metabolic Condition: Participant had at least one of the following conditions: hypertension, obesity, history of heart disease, BMI≥30, unspecified dyslipidemia (SMHS and SWHS only) or hypercholesterolemia (SCCS only)

eTable 4A. Sensitivity Analysis: Association of Nut and Peanut Butter Intake With Total Mortality in the SCCS and Peanut Intake with Total Mortality in the SMHS/SWHS (After Excluding Participants With a Follow-up Time of 2 Years of Less)

	Total[a]		Men[b]		Women[b]	
	# of deaths	aHR (95% CI)	# of deaths	aHR (95% CI)	# deaths	aHR (95% CI)
			SCCS			
Americans of African & European descent						
Total Nut and Peanut butter Intake						
Total Mortality						
Quintile 1*	1,250	Ref.	526	Ref.	724	Ref.
Quintile 2	1,138	**0.87 (0.80-0.94)**	597	**0.86 (0.76-0.98)**	541	**0.87 (0.77-0.98)**
Quintile 3	928	**0.82 (0.74-0.89)**	487	**0.84 (0.73-0.96)**	441	**0.80 (0.70-0.91)**
Quintile 4	1,045	**0.83 (0.76-0.90)**	560	**0.79 (0.69-0.90)**	485	**0.88 (0.78-1.00)**
Quintile 5	1,005	**0.77 (0.70-0.85)**	681	**0.76 (0.67-0.86)**	324	**0.80 (0.69-0.92)**
P-trend		**<0.001**		**0.003**		0.09

	Total[c]		Men[d]		Women[d]	
	# of deaths	aHR (95% CI)	# of deaths	aHR (95% CI)	# deaths	aHR (95% CI)
			Peanut Intake-- SMHS/SWHS			
Asian Ancestry						
Total Mortality						
Quintile 1						
Quintile 2	2,120	Ref.	892	Ref.	1,228	Ref.
Quintile 3	1,040	**0.81 (0.75-0.88)**	247	**0.88 (0.76-1.02)**	793	**0.79 (0.72-0.86)**
Quintile 4	1,298	**0.79 (0.74-0.85)**	407	**0.77 (0.69-0.87)**	891	**0.80 (0.73-0.87)**
Quintile 5	1,656	**0.81 (0.76-0.87)**	722	**0.83 (0.75-0.92)**	934	**0.80 (0.73-0.87)**
P-trend	1,417	**0.84 (0.78-0.90)**	722	**0.87 (0.78-0.96)**	695	**0.82 (0.75-0.91)**
		<0.001		**0.001**		**<0.001**

Abbreviations: aHR: adjusted hazard ratio; CI: confidence interval
*Nut/Peanut intake quintile cut-points (grams/day):
SMHS/SWHS data: Q1 (<0.14); Q2 (0.14- less than 0.72); Q3 (0.72-less than 1.45); Q4 (1.45-less than 2.54); Q5 (≥2.54)
SCCS data:
Total nuts & peanut butter: Q1 (<0.95); Q2 (0.95-less than 3.08); Q3 (3.08-less than 7.30); Q4 (7.30-less than 18.45); Q5 (≥18.45)
Nut only: Q1 (<0.36); Q2 (0.36-less than 0.66); Q3 (0.66-less than 4.14); Q4 (4.14-less than 8.63); Q5 (≥8.63)

Peanut butter only: Q1 (<0.19); Q2 (0.19-less than 0.59); Q3 (0.59-less than 2.18); Q4 (2.18-less than 6.32); Q5 (≥6.32)

Model adjusted for:
[a]Age, sex, race, education, occupation, household income, marital status, smoking pack-years, alcohol consumption, BMI, physical activity, vitamin supplement use, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken intake, seafood intake, vegetable intake, and fruit intake.
[b]Age, race, education, occupation, household income, marital status, smoking pack-years, alcohol consumption, BMI, physical activity, vitamin supplement use, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken intake, seafood intake, vegetable intake, and fruit intake.

[c]Age, sex, education, occupation, household income (SMHS) or income per capita (SWHS), smoking status, alcohol consumption (ever/never), BMI, physical activity, regular tea consumption, metabolic conditions**, Charlson comorbidity index, total energy intake, red meat intake, chicken/duck intake, seafood intake, vegetable intake, and fruit intake.
[d]Age, education, occupation, household income (SMHS) or income per capita (SWHS), smoking status, alcohol consumption (tertile-SMHS; ever/never-SWHS), BMI, physical activity, regular tea consumption, metabolic conditions**, Charlson comorbidity index, total energy intake, red meat intake, chicken/duck intake, seafood intake, vegetable intake, and fruit intake.

**One or more of the following conditions: history of hypertension, diabetes, history of heart disease, BMI≥30, unspecified dyslipidemia (SMHS and SWHS only), or hypercholesterolemia (SCCS only)

eTable 4B. Sensitivity Analysis: Association of Nut/Peanut Intake with Cause-specific Mortality, by Race/Ethnicity (After Excluding Participants With a Follow-up Time of 2 Years of Less)

Causes of Death and Quintiles*	Americans of African Descent (SCCS)[a]		Americans of European Descent (SCCS)[a]		Asian Ancestry (SMHS/SWHS)[b]	
	# of Deaths	aHR (95% CI)	# of Deaths	aHR (95% CI)	# of Deaths	aHR (95% CI)
Cancer						
Quintile 1	208	Ref.	66	Ref.	845	Ref.
Quintile 2	202	0.95 (0.77-1.17)	61	0.91 (0.65-1.28)	476	0.91 (0.80-1.02)
Quintile 3	150	0.90 (0.72-1.13)	57	0.83 (0.59-1.17)	646	0.92 (0.83-1.03)
Quintile 4	184	0.94 (0.76-1.18)	55	**0.70 (0.49-1.00)**	847	0.98 (0.88-1.09)
Quintile 5	154	**0.78 (0.62-0.99)**	74	0.99 (0.70-1.40)	718	0.96 (0.87-1.08)
P-trend		0.58		0.51		0.86
CVD						
Quintile 1	280	Ref.	108	Ref.	823	Ref.
Quintile 2	249	**0.80 (0.67-0.96)**	88	0.90 (0.67-1.21)	364	**0.81 (0.71-0.93)**
Quintile 3	185	**0.80 (0.66-0.97)**	98	0.82 (0.61-1.11)	436	**0.76 (0.68-0.86)**
Quintile 4	209	**0.80 (0.66-0.98)**	87	**0.70 (0.51-0.96)**	509	**0.70 (0.62-0.78)**
Quintile 5	206	**0.75 (0.61-0.91)**	89	**0.69 (0.49-0.95)**	455	**0.77 (0.68-0.87)**
P-trend		**0.04**		**0.05**		**<0.001**
Ischemic Heart Disease						
Quintile 1	115	Ref.	61	Ref.	179	Ref.
Quintile 2	83	**0.64 (0.48-0.86)**	50	0.92 (0.61-1.37)	87	0.93 (0.71-1.21)
Quintile 3	90	0.98 (0.74-1.32)	53	0.76 (0.50-1.14)	92	**0.72 (0.56-0.94)**
Quintile 4	79	**0.74 (0.54-1.00)**	44	0.66 (0.43-1.02)	117	**0.72 (0.57-0.91)**
Quintile 5	72	**0.61 (0.43-0.85)**	45	0.66 (0.42-1.03)	98	**0.71 (0.54-0.91)**
P-trend		**0.02**		0.17		**0.001**
Ischemic Stroke						
Quintile 1	23	Ref.	8	Ref.	174	Ref.
Quintile 2	18	0.99 (0.51-1.91)	2	0.29 (0.06-1.44)	87	0.93 (0.71-1.21)
Quintile 3	10	0.75 (0.34-1.63)	3	0.42 (0.10-1.71)	100	0.83 (0.65-1.07)
Quintile 4	16	1.02 (0.50-2.06)	4	0.37 (0.09-1.58)	108	**0.70 (0.55-0.90)**
Quintile 5	16	1.07 (0.51-2.21)	5	0.53 (0.13-2.14)	100	0.82 (0.64-1.06)
P-trend		0.58		0.58		**0.02**
Hemorrhagic Stroke						
Quintile 1	13	Ref.	4	Ref.	163	Ref.
Quintile 2	10	0.75 (0.32-1.74)	4	1.61 (0.32-8.10)	82	0.81 (0.62-1.06)
Quintile 3	10	0.90 (0.39-2.09)	1	0.15 (0.01-1.79)	90	**0.70 (0.54-0.91)**
Quintile 4	13	0.93 (0.41-2.10)	4	0.51 (0.08-3.43)	109	**0.69 (0.54-0.89)**
Quintile 5	19	1.31 (0.60-2.87)	3	0.74 (0.11-5.00)	96	**0.75 (0.57-0.97)**
P-trend		0.17		0.89		**0.006**
Other CVD						
Quintile 1	94	Ref.	31	Ref.	234	Ref.
Quintile 2	102	0.95 (0.71-1.27)	24	0.80 (0.46-1.42)	83	**0.65 (0.50-0.84)**
Quintile 3	56	**0.64 (0.45-0.91)**	31	1.00 (0.59-1.69)	131	**0.79 (0.64-0.99)**
Quintile 4	77	0.87 (0.63-1.20)	24	0.74 (0.41-1.31)	140	**0.67 (0.54-0.83)**
Quintile 5	68	0.75 (0.53-1.06)	26	0.69 (0.38-1.26)	131	**0.80 (0.64-1.00)**
P-trend		0.35		0.11		**0.01**
Diabetes						
Quintile 1	58	Ref.	16	Ref.	142	Ref.
Quintile 2	48	0.84 (0.56-1.27)	13	0.95 (0.44-2.06)	63	0.71 (0.52-0.98)
Quintile 3	42	0.93 (0.60-1.43)	12	0.69 (0.30-1.59)	55	**0.56 (0.40-0.78)**
Quintile 4	40	0.78 (0.50-1.22)	17	1.05 (0.50-2.19)	87	0.87 (0.66-1.14)
Quintile 5	33	**0.61 (0.37-0.99)**	13	0.73 (0.32-1.69)	92	0.99 (0.74-1.33)

P-trend	0.25	0.59	0.80

Abbreviation: aHR: adjusted hazard ratio; CI: confidence interval; CVD: cardiovascular disease
*Nut/peanut intake quintile cut-points (grams/day):
SMHS/SWHS data (Peanut intake): Q1 (<0.14); Q2 (0.14- less than 0.72); Q3 (0.72-less than 1.45); Q4 (1.45-less than 2.54); Q5 (≥2.54)
SCCS data (Total nut and peanut butter intake): Q1 (<0.95); Q2 (0.95-less than 3.08); Q3 (3.08-less than 7.30); Q4 (7.30-less than 18.45); Q5 (≥18.45)

Model adjusted for:
[a]Age, sex, education, occupation, household income, marital status, smoking pack-years, alcohol consumption, BMI, physical activity, vitamin supplement use, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken intake, seafood intake, vegetable intake, and fruit intake.
[b]Age, sex, education, occupation, household income (SMHS) or income per capita (SWHS), smoking status, alcohol consumption (ever/never), BMI, physical activity, regular tea consumption, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken/duck intake, seafood intake, vegetable intake, and fruit intake.

**One or more of the following conditions: history of hypertension, diabetes, history of heart disease, BMI≥30, unspecified dyslipidemia (SMHS and SWHS only), or hypercholesterolemia (SCCS only)

eTable 5A. Sensitivity Analysis: Association of Nut and Peanut Butter Intake With Total Mortality in SCCS and Peanut Intake With Total Mortality in the SMHS/SWHS (After Excluding Participants' Prior Hypertension Status)

	Total[a]		Men[b]		Women[b]	
	# of deaths	aHR (95% CI)	# of deaths	aHR (95% CI)	# deaths	aHR (95% CI)
			SCCS			
Americans of African & European descent						
Total Nut and Peanut butter Intake						
Total Mortality						
Quintile 1*	1,146	Ref.	484	Ref.	662	Ref.
Quintile 2	1,054	**0.87 (0.79-0.95)**	556	**0.87 (0.76-0.99)**	498	**0.88 (0.77-0.99)**
Quintile 3	859	**0.82 (0.74-0.90)**	457	**0.86 (0.75-0.98)**	402	**0.79 (0.69-0.90)**
Quintile 4	949	**0.81 (0.73-0.88)**	516	**0.79 (0.69-0.90)**	433	**0.85 (0.74-0.97)**
Quintile 5	950	**0.77 (0.70-0.85)**	644	**0.76 (0.67-0.87)**	306	**0.81 (0.69-0.94)**
P-trend		**<0.001**		**0.005**		0.10

	Total[c]		Men[d]		Women[d]	
	# of deaths	aHR (95% CI)	# of deaths	aHR (95% CI)	# deaths	aHR (95% CI)
			Peanut Intake -- SMHS/SWHS			
Asian Ancestry						
Total Mortality						
Quintile 1	2,140	Ref.	899	Ref.	1,241	Ref.
Quintile 2	1,045	**0.81 (0.75-0.87)**	245	**0.87 (0.75-1.00)**	800	**0.79 (0.72-0.86)**
Quintile 3	1,295	**0.78 (0.73-0.84)**	401	**0.76 (0.67-0.85)**	894	**0.79 (0.72-0.86)**
Quintile 4	1,666	**0.81 (0.76-0.87)**	726	**0.83 (0.75-0.92)**	940	**0.80 (0.73-0.87)**
Quintile 5	1,417	**0.84 (0.78-0.90)**	718	**0.86 (0.78-0.96)**	699	**0.82 (0.75-0.91)**
P-trend		**<0.001**		**0.001**		**<0.001**

Abbreviations: aHR: adjusted hazard ratio; CI: confidence interval
*Nut/Peanut intake quintile cut-points (grams/day):
SMHS/SWHS data: Q1 (<0.14); Q2 (0.14- less than 0.72); Q3 (0.72-less than 1.45); Q4 (1.45-less than 2.54); Q5 (≥2.54)
SCCS data:
Total nuts & peanut butter: Q1 (<0.95); Q2 (0.95-less than 3.08); Q3 (3.08-less than 7.30); Q4 (7.30-less than 18.45); Q5 (≥18.45)
Nut only: Q1 (<0.36); Q2 (0.36-less than 0.66); Q3 (0.66-less than 4.14); Q4 (4.14-less than 8.63); Q5 (≥8.63)
Peanut butter only: Q1 (<0.19); Q2 (0.19-less than 0.59); Q3 (0.59-less than 2.18); Q4 (2.18-less than 6.32); Q5 (≥6.32)

Model adjusted for:
[a]Age, sex, race, education, occupation, household income, marital status, smoking pack-years, alcohol consumption, BMI, physical activity, vitamin supplement use, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken intake, seafood intake, vegetable intake, and fruit intake.
[b]Age, race, education, occupation, household income, marital status, smoking pack-years, alcohol consumption, BMI, physical activity, vitamin supplement use, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken intake, seafood intake, vegetable intake, and fruit intake.

[c]Age, sex, education, occupation, household income (SMHS) or income per capita (SWHS), smoking status, alcohol consumption (ever/never), BMI, physical activity, regular tea consumption, metabolic conditions**, Charlson comorbidity index, total energy intake, red meat intake, chicken/duck intake, seafood intake, vegetable intake, and fruit intake.
[d]Age, education, occupation, household income (SMHS) or income per capita (SWHS), smoking status, alcohol consumption (tertile-SMHS; ever/never-SWHS), BMI, physical activity, regular tea consumption, metabolic conditions**, Charlson comorbidity index, total energy intake, red meat intake, chicken/duck intake, seafood intake, vegetable intake, and fruit intake.

**One or more of the following conditions: history of hypertension, diabetes, history of heart disease, BMI≥30, unspecified dyslipidemia (SMHS and SWHS only), or hypercholesterolemia (SCCS only)

eTable 5B. Sensitivity Analysis: Association of Nut/Peanut Intake With Cause-Specific Mortality by Race/Ethnicity (After Excluding Participants' Prior Hypertension Status)

Causes of Death and Quintiles*	Americans of African Descent (SCCS)[a]		Americans of European Descent (SCCS)[a]		Asian Ancestry (SMHS/SWHS)[b]	
	# of Deaths	aHR (95% CI)	# of Deaths	aHR (95% CI)	# of Deaths	aHR (95% CI)
Cancer						
Quintile 1	198	Ref.	84	Ref.	788	Ref.
Quintile 2	191	0.91 (0.74-1.13)	76	0.88 (0.63-1.23)	459	**0.90 (0.80-1.01)**
Quintile 3	131	0.82 (0.65-1.04)	84	0.83 (0.59-1.16)	607	**0.91 (0.82-1.01)**
Quintile 4	169	0.91 (0.73-1.14)	73	**0.60 (0.42-0.87)**	805	0.97 (0.88-1.08)
Quintile 5	144	**0.76 (0.60-0.97)**	94	0.88 (0.62-1.24)	678	0.97 (0.87-1.08)
P-trend		0.62		0.24		0.92
CVD						
Quintile 1	247	Ref.	93	Ref.	736	Ref.
Quintile 2	222	**0.80 (0.66-0.97)**	77	0.94 (0.68-1.30)	331	**0.80 (0.70-0.92)**
Quintile 3	158	**0.75 (0.61-0.93)**	89	0.89 (0.65-1.22)	401	**0.75 (0.67-0.85)**
Quintile 4	184	**0.78 (0.63-0.95)**	71	**0.67 (0.48-0.95)**	458	**0.69 (0.61-0.77)**
Quintile 5	185	**0.72 (0.58-0.89)**	87	0.77 (0.55-1.09)	412	**0.76 (0.67-0.87)**
P-trend		**0.03**		0.18		**<0.001**
Ischemic Heart Disease						
Quintile 1	102	Ref.	53	Ref.	176	Ref.
Quintile 2	77	**0.66 (0.48-0.90)**	43	0.96 (0.62-1.47)	82	0.88 (0.67-1.15)
Quintile 3	77	0.91 (0.67-1.25)	49	0.86 (0.56-1.31)	90	**0.73 (0.56-0.94)**
Quintile 4	69	**0.71 (0.51-0.98)**	34	**0.56 (0.35-0.90)**	119	**0.75 (0.59-0.95)**
Quintile 5	62	**0.58 (0.41-0.82)**	44	0.70 (0.44-1.12)	97	**0.72 (0.55-0.93)**
P-trend		**0.01**		0.19		**0.003**
Ischemic Stroke						
Quintile 1	20	Ref.	6	Ref.	170	Ref.
Quintile 2	15	0.89 (0.44-1.81)	2	0.40 (0.07-2.23)	84	0.92 (0.70-1.20)
Quintile 3	10	0.80 (0.36-1.78)	3	0.60 (0.13-2.72)	97	**0.83 (0.64-1.06)**
Quintile 4	14	0.97 (0.46-2.03)	4	0.61 (0.13-2.88)	103	**0.68 (0.53-0.88)**
Quintile 5	13	0.85 (0.39-1.88)	4	0.66 (0.13-3.37)	92	**0.78 (0.60-1.02)**
P-trend		0.34		0.92		**0.006**
Hemorrhagic Stroke						
Quintile 1	11	Ref.	3	Ref.	151	Ref.
Quintile 2	9	0.77 (0.32-1.89)	2	1.31 (0.14-12.34)	78	0.81 (0.61-1.07)
Quintile 3	8	0.80 (0.31-2.01)	2	0.54 (0.05-5.88)	84	**0.69 (0.53-0.91)**
Quintile 4	11	0.82 (0.34-1.98)	2	0.35 (0.02-5.62)	99	**0.68 (0.52-0.88)**
Quintile 5	17	1.20 (0.52-2.76)	3	1.36 (0.13-13.73)	93	**0.78 (0.60-1.02)**
P-trend		0.41		0.48		**0.01**
Other CVD						
Quintile 1	80	Ref.	26	Ref.	239	Ref.
Quintile 2	89	0.98 (0.71-1.34)	23	0.91 (0.50-1.66)	87	**0.66 (0.52-0.85)**
Quintile 3	47	**0.62 (0.42-0.92)**	26	0.97 (0.54-1.74)	130	**0.77 (0.62-0.96)**
Quintile 4	70	0.91 (0.65-1.28)	25	0.97 (0.53-1.76)	137	**0.64 (0.52-0.80)**
Quintile 5	64	0.78 (0.54-1.13)	25	0.79 (0.41-1.51)	130	**0.78 (0.62-0.98)**
P-trend		0.64		0.24		**0.004**
Diabetes						
Quintile 1	45	Ref.	15	Ref.	128	Ref.
Quintile 2	41	0.94 (0.60-1.49)	12	0.94 (0.42-2.10)	54	0.75 (0.54-1.03)
Quintile 3	39	1.13 (0.71-1.81)	9	0.61 (0.25-1.50)	51	**0.59 (0.42-0.82)**
Quintile 4	29	0.73 (0.43-1.22)	15	1.00 (0.46-2.19)	89	0.92 (0.69-1.21)
Quintile 5	30	0.72 (0.42-1.24)	13	0.78 (0.33-1.84)	77	1.00 (0.74-1.34)

P-trend	0.56	0.72	0.95

Abbreviation: aHR: adjusted hazard ratio; CI: confidence interval; CVD: cardiovascular disease
*Nut/peanut intake quintile cut-points (grams/day):
SMHS/SWHS data (Peanut intake): Q1 (<0.14); Q2 (0.14- less than 0.72); Q3 (0.72-less than 1.45); Q4 (1.45-less than 2.54); Q5 (≥2.54)
SCCS data (Total nut and peanut butter intake): Q1 (<0.95); Q2 (0.95-less than 3.08); Q3 (3.08-less than 7.30); Q4 (7.30-less than 18.45); Q5 (≥18.45)

Model adjusted for:
[a]Age, sex, education, occupation, household income, marital status, smoking pack-years, alcohol consumption, BMI, physical activity, vitamin supplement use, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken intake, seafood intake, vegetable intake, and fruit intake.
[b]Age, sex, education, occupation, household income (SMHS) or income per capita (SWHS), smoking status, alcohol consumption (ever/never), BMI, physical activity, regular tea consumption, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken/duck intake, seafood intake, vegetable intake, and fruit intake.

**One or more of the following conditions: history of hypertension, diabetes, history of heart disease, BMI≥30, unspecified dyslipidemia (SMHS and SWHS only), or hypercholesterolemia (SCCS only)

eTable 6A. Sensitivity Analysis: Association of Nut and Peanut Butter Intake With Total Mortality in SCCS and Peanut Intake With Total Mortality in the SMHS, SWHS (After Excluding Participants' Prior Diabetes Status)

	Total[a]		Men[b]		Women[b]	
	# of deaths	aHR (95% CI)	# of deaths	aHR (95% CI)	# deaths	aHR (95% CI)
			SCCS			
Americans of African & European descent						
Total Nut and Peanut butter Intake						
Total Mortality						
Quintile 1*	1,302	Ref.	556	Ref.	746	Ref.
Quintile 2	1,194	**0.85 (0.79-0.93)**	637	**0.85 (0.75-0.96)**	557	**0.86 (0.77-0.97)**
Quintile 3	979	**0.81 (0.74-0.88)**	528	**0.84 (0.74-0.96)**	451	**0.77 (0.68-0.88)**
Quintile 4	1,070	**0.79 (0.72-0.86)**	580	**0.75 (0.66-0.85)**	490	**0.84 (0.74-0.95)**
Quintile 5	1,028	**0.73 (0.66-0.80)**	697	**0.72 (0.63-0.81)**	331	**0.75 (0.65-0.87)**
P-trend		**<0.001**		**<0.001**		**0.005**

	Total[c]		Men[d]		Women[d]	
	# of deaths	aHR (95% CI)	# of deaths	aHR (95% CI)	# deaths	aHR (95% CI)
			Peanut Intake – SMHS/SWHS			
Asian Ancestry						
Total Mortality						
Quintile 1	2,263	Ref.	997	Ref.	1,266	Ref.
Quintile 2	1,095	**0.81 (0.75-0.87)**	274	**0.87 (0.76-1.00)**	821	**0.79 (0.72-0.86)**
Quintile 3	1,363	**0.78 (0.73-0.84)**	446	**0.76 (0.68-0.85)**	917	**0.79 (0.73-0.86)**
Quintile 4	1,744	**0.80 (0.75-0.86)**	789	**0.82 (0.74-0.90)**	955	**0.80 (0.73-0.87)**
Quintile 5	1,473	**0.82 (0.77-0.88)**	760	**0.83 (0.75-0.91)**	713	**0.82 (0.75-0.90)**
P-trend		**<0.001**		**<0.001**		**<0.001**

Abbreviations: aHR: adjusted hazard ratio; CI: confidence interval
*Nut/Peanut intake quintile cut-points (grams/day):
SMHS/SWHS data: Q1 (<0.14); Q2 (0.14- less than 0.72); Q3 (0.72-less than 1.45); Q4 (1.45-less than 2.54); Q5 (≥2.54)
SCCS data:
Total nuts & peanut butter: Q1 (<0.95); Q2 (0.95-less than 3.08); Q3 (3.08-less than 7.30); Q4 (7.30-less than 18.45); Q5 (≥18.45)
Nut only: Q1 (<0.36); Q2 (0.36-less than 0.66); Q3 (0.66-less than 4.14); Q4 (4.14-less than 8.63); Q5 (≥8.63)
Peanut butter only: Q1 (<0.19); Q2 (0.19-less than 0.59); Q3 (0.59-less than 2.18); Q4 (2.18-less than 6.32); Q5 (≥6.32)

Model adjusted for:
[a]Age, sex, race, education, occupation, household income, marital status, smoking pack-years, alcohol consumption, BMI, physical activity, vitamin supplement use, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken intake, seafood intake, vegetable intake, and fruit intake.
[b]Age, race, education, occupation, household income, marital status, smoking pack-years, alcohol consumption, BMI, physical activity, vitamin supplement use, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken intake, seafood intake, vegetable intake, and fruit intake.

[c]Age, sex, education, occupation, household income (SMHS) or income per capita (SWHS), smoking status, alcohol consumption (ever/never), BMI, physical activity, regular tea consumption, metabolic conditions**, Charlson comorbidity index, total energy intake, red meat intake, chicken/duck intake, seafood intake, vegetable intake, and fruit intake.
[d]Age, education, occupation, household income (SMHS) or income per capita (SWHS), smoking status, alcohol consumption (tertile-SMHS; ever/never-SWHS), BMI, physical activity, regular tea consumption, metabolic conditions**, Charlson comorbidity index, total energy intake, red meat intake, chicken/duck intake, seafood intake, vegetable intake, and fruit intake.

**One or more of the following conditions: history of hypertension, diabetes, history of heart disease, BMI≥30, unspecified dyslipidemia (SMHS and SWHS only), or hypercholesterolemia (SCCS only)

eTable 6B. Sensitivity Analysis: Association of Nut/Peanut Intake with Cause-specific Mortality, by Race/Ethnicity (After Excluding Participants' Prior Diabetes Status)

Causes of Death and Quintiles*	Americans of African Descent (SCCS)[a]		Americans of European Descent (SCCS)[a]		Asian Ancestry (SMHS/SWHS)[b]	
	# of Deaths	aHR (95% CI)	# of Deaths	aHR (95% CI)	# of Deaths	aHR (95% CI)
Cancer						
Quintile 1	231	Ref.	93	Ref.	831	Ref.
Quintile 2	213	0.86 (0.70-1.05)	90	0.91 (0.66-1.24)	471	**0.89 (0.79-1.00)**
Quintile 3	160	0.83 (0.67-1.03)	98	0.87 (0.63-1.19)	639	**0.91 (0.82-1.02)**
Quintile 4	198	0.87 (0.70-1.07)	79	**0.62 (0.44-0.88)**	839	0.97 (0.88-1.07)
Quintile 5	164	**0.72 (0.58-0.91)**	104	0.89 (0.64-1.25)	701	0.95 (0.86-1.06)
P-trend		0.14		0.14		0.67
CVD						
Quintile 1	287	Ref.	114	Ref.	799	Ref.
Quintile 2	265	**0.82 (0.69-0.97)**	88	0.87 (0.65-1.16)	356	**0.81 (0.71-0.92)**
Quintile 3	189	**0.77 (0.63-0.93)**	103	0.80 (0.60-1.07)	424	**0.74 (0.66-0.83)**
Quintile 4	208	**0.75 (0.62-0.90)**	85	**0.63 (0.46-0.85)**	491	**0.68 (0.60-0.76)**
Quintile 5	203	**0.67 (0.55-0.82)**	94	**0.65 (0.47-0.89)**	439	**0.75 (0.66-0.84)**
P-trend		**0.001**		**0.04**		**<0.001**
Ischemic Heart Disease						
Quintile 1	118	Ref.	63	Ref.	186	Ref.
Quintile 2	83	**0.61 (0.45-0.82)**	48	0.89 (0.60-1.32)	90	0.94 (0.72-1.21)
Quintile 3	89	0.93 (0.69-1.24)	56	0.77 (0.52-1.15)	99	**0.76 (0.59-0.97)**
Quintile 4	76	**0.68 (0.50-0.93)**	42	**0.59 (0.38-0.91)**	127	**0.75 (0.60-0.95)**
Quintile 5	69	**0.57 (0.41-0.79)**	46	**0.62 (0.40-0.97)**	99	**0.69 (0.53-0.89)**
P-trend		**0.006**		0.13		**<0.001**
Ischemic Stroke						
Quintile 1	21	Ref.	7	Ref.	183	Ref.
Quintile 2	19	1.06 (0.55-2.04)	3	0.48 (0.11-2.06)	87	0.88 (0.68-1.15)
Quintile 3	11	0.78 (0.36-1.73)	3	0.48 (0.11-2.04)	99	**0.78 (0.61-1.01)**
Quintile 4	15	1.03 (0.51-2.11)	4	0.48 (0.11-2.12)	109	**0.67 (0.52-0.85)**
Quintile 5	14	0.89 (0.42-1.90)	5	0.84 (0.20-3.51)	98	**0.76 (0.58-0.98)**
P-trend		0.29		0.95		**0.002**
Hemorrhagic Stroke						
Quintile 1	15	Ref.	3	Ref.	177	Ref.
Quintile 2	11	0.70 (0.32-1.54)	4	2.75 (0.44-17.21)	91	0.84 (0.65-1.09)
Quintile 3	10	0.83 (0.32-1.65)	2	0.64 (0.08-5.49)	93	**0.67 (0.52-0.86)**
Quintile 4	12	0.67 (0.30-1.51)	4	0.75 (0.09-6.24)	111	**0.65 (0.51-0.83)**
Quintile 5	19	1.02 (0.48-2.15)	3	1.23 (0.16-9.48)	104	**0.74 (0.58-0.96)**
P-trend		0.32		0.90		**0.001**
Other CVD						
Quintile 1	96	Ref.	35	Ref.	253	Ref.
Quintile 2	112	1.00 (0.76-1.34)	25	0.72 (0.42-1.24)	88	**0.64 (0.50-0.82)**
Quintile 3	59	**0.64 (0.45-0.90)**	33	0.86 (0.52-1.43)	133	**0.75 (0.60-0.93)**
Quintile 4	81	0.83 (0.61-1.14)	26	0.66 (0.38-1.15)	144	**0.64 (0.52-0.79)**
Quintile 5	68	**0.66 (0.47-0.94)**	28	0.57 (0.32-1.02)	138	**0.79 (0.63-0.98)**
P-trend		0.06		0.06		**0.004**
Diabetes						
Quintile 1	44	Ref.	13	Ref.	123	Ref.
Quintile 2	44	1.02 (0.65-1.60)	11	0.94 (0.41-2.18)	52	0.74 (0.53-1.03)
Quintile 3	37	1.06 (0.66-1.70)	10	0.73 (0.30-1.77)	48	**0.56 (0.40-0.80)**
Quintile 4	31	0.77 (0.47-1.29)	13	0.91 (0.40-2.06)	84	0.89 (0.67-1.18)
Quintile 5	27	0.63 (0.36-1.09)	13	0.79 (0.33-1.89)	76	1.01 (0.74-1.36)

P-trend	0.32	0.66	0.92

Abbreviation: aHR: adjusted hazard ratio; CI: confidence interval; CVD: cardiovascular disease
*Nut/peanut intake quintile cut-points (grams/day):
SMHS/SWHS data (Peanut intake): Q1 (<0.14); Q2 (0.14- less than 0.72); Q3 (0.72-less than 1.45); Q4 (1.45-less than 2.54); Q5 (≥2.54)
SCCS data (Total nut and peanut butter intake): Q1 (<0.95); Q2 (0.95-less than 3.08); Q3 (3.08-less than 7.30); Q4 (7.30-less than 18.45); Q5 (≥18.45)

Model adjusted for:
[a]Age, sex, education, occupation, household income, marital status, smoking pack-years, alcohol consumption, BMI, physical activity, vitamin supplement use, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken intake, seafood intake, vegetable intake, and fruit intake.
[b]Age, sex, education, occupation, household income (SMHS) or income per capita (SWHS), smoking status, alcohol consumption (ever/never), BMI, physical activity, regular tea consumption, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken/duck intake, seafood intake, vegetable intake, and fruit intake.

**One or more of the following conditions: history of hypertension, diabetes, history of heart disease, BMI≥30, unspecified dyslipidemia (SMHS and SWHS only), or hypercholesterolemia (SCCS only)

eTable 7A. Sensitivity Analysis: Association of Nut and Peanut Butter Intake with Total Mortality in SCCS and Peanut Intake with Total Mortality in the SMHS/SWHS (After Excluding Participants' Prior Ischemic Heart Disease Status)

	Total[a]		Men[b]		Women[b]	
	# of deaths	aHR (95% CI)	# of deaths	aHR (95% CI)	# deaths	aHR (95% CI)
			SCCS			
Americans of African & European descent						
Total Nut and Peanut butter Intake						
Total Mortality						
Quintile 1*	1,393	Ref.	591	Ref.	802	Ref.
Quintile 2	1,276	**0.86 (0.79-0.93)**	664	**0.84 (0.74-0.94)**	612	**0.89 (0.79-0.99)**
Quintile 3	1,032	**0.80 (0.74-0.88)**	546	**0.83 (0.73-0.94)**	486	**0.78 (0.69-0.88)**
Quintile 4	1,144	**0.80 (0.74-0.87)**	612	**0.76 (0.67-0.86)**	532	**0.86 (0.76-0.97)**
Quintile 5	1,102	**0.75 (0.68-0.82)**	743	**0.73 (0.64-0.82)**	359	**0.78 (0.68-0.90)**
P-trend		**<0.001**		**<0.001**		**0.02**

	Total[c]		Men[d]		Women[d]	
	# of deaths	aHR (95% CI)	# of deaths	aHR (95% CI)	# deaths	aHR (95% CI)
			Peanut Intake – SMHS/SWHS			
Asian Ancestry						
Total Mortality						
Quintile 1	2,271	Ref.	999	Ref.	1,272	Ref.
Quintile 2	1,102	**0.81 (0.76-0.88)**	277	**0.88 (0.77-1.01)**	825	**0.79 (0.73-0.87)**
Quintile 3	1,371	**0.78 (0.73-0.84)**	452	**0.77 (0.68-0.86)**	919	**0.80 (0.73-0.87)**
Quintile 4	1,741	**0.80 (0.75-0.86)**	788	**0.81 (0.74-0.90)**	953	**0.80 (0.73-0.87)**
Quintile 5	1,471	**0.82 (0.77-0.88)**	755	**0.82 (0.74-0.91)**	716	**0.83 (0.75-0.91)**
P-trend		**<0.001**		**<0.001**		**<0.001**

Abbreviations: aHR: adjusted hazard ratio; CI: confidence interval
*Nut/Peanut intake quintile cut-points (grams/day):
SMHS/SWHS data: Q1 (<0.14); Q2 (0.14- less than 0.72); Q3 (0.72-less than 1.45); Q4 (1.45-less than 2.54); Q5 (≥2.54)
SCCS data:
Total nuts & peanut butter: Q1 (<0.95); Q2 (0.95-less than 3.08); Q3 (3.08-less than 7.30); Q4 (7.30-less than 18.45); Q5 (≥18.45)
Nut only: Q1 (<0.36); Q2 (0.36-less than 0.66); Q3 (0.66-less than 4.14); Q4 (4.14-less than 8.63); Q5 (≥8.63)
Peanut butter only: Q1 (<0.19); Q2 (0.19-less than 0.59); Q3 (0.59-less than 2.18); Q4 (2.18-less than 6.32); Q5 (≥6.32)

Model adjusted for:
[a]Age, sex, race, education, occupation, household income, marital status, smoking pack-years, alcohol consumption, BMI, physical activity, vitamin supplement use, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken intake, seafood intake, vegetable intake, and fruit intake.
[b]Age, race, education, occupation, household income, marital status, smoking pack-years, alcohol consumption, BMI, physical activity, vitamin supplement use, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken intake, seafood intake, vegetable intake, and fruit intake.

[c]Age, sex, education, occupation, household income (SMHS) or income per capita (SWHS), smoking status, alcohol consumption (ever/never), BMI, physical activity, regular tea consumption, metabolic conditions**, Charlson comorbidity index, total energy intake, red meat intake, chicken/duck intake, seafood intake, vegetable intake, and fruit intake.
[d]Age, education, occupation, household income (SMHS) or income per capita (SWHS), smoking status, alcohol consumption (tertile-SMHS; ever/never-SWHS), BMI, physical activity, regular tea consumption, metabolic conditions**, Charlson comorbidity index, total energy intake, red meat intake, chicken/duck intake, seafood intake, vegetable intake, and fruit intake.

**One or more of the following conditions: history of hypertension, diabetes, history of heart disease, BMI≥30, unspecified dyslipidemia (SMHS and SWHS only), or hypercholesterolemia (SCCS only)

eTable 7B. Sensitivity Analysis: Association of Nut/Peanut Intake with Cause-specific Mortality, by Race/Ethnicity (After Excluding Participants' Prior Ischemic Heart Disease Status)

Causes of Death and Quintiles*	Americans of African Descent (SCCS)[a]		Americans of European Descent (SCCS)[a]		Asian Ancestry (SMHS/SWHS)[b]	
	# of Deaths	aHR (95% CI)	# of Deaths	aHR (95% CI)	# of Deaths	aHR (95% CI)
Cancer						
Quintile 1	240	Ref.	93	Ref.	833	Ref.
Quintile 2	230	0.90 (0.74-1.09)	92	0.95 (0.70-1.30)	473	**0.89 (0.79-1.00)**
Quintile 3	174	0.88 (0.71-1.08)	96	0.87 (0.63-1.19)	639	**0.91 (0.82-1.01)**
Quintile 4	211	0.92 (0.75-1.12)	82	**0.66 (0.47-0.93)**	828	0.95 (0.86-1.05)
Quintile 5	175	**0.77 (0.61-0.95)**	108	0.94 (0.68-1.31)	703	0.95 (0.85-1.05)
P-trend		**0.36**		0.26		0.54
CVD						
Quintile 1	303	Ref.	115	Ref.	790	Ref.
Quintile 2	277	**0.82 (0.69-0.97)**	92	0.86 (0.64-1.15)	356	**0.82 (0.72-0.93)**
Quintile 3	199	**0.79 (0.65-0.95)**	98	**0.72 (0.54-0.97)**	424	**0.75 (0.66-0.85)**
Quintile 4	221	**0.79 (0.66-0.95)**	87	**0.62 (0.46-0.84)**	493	**0.69 (0.61-0.77)**
Quintile 5	226	**0.76 (0.62-0.92)**	99	**0.68 (0.50-0.93)**	433	**0.75 (0.66-0.84)**
P-trend		**0.04**		0.09		**<0.001**
Ischemic Heart Disease						
Quintile 1	128	Ref.	60	Ref.	182	Ref.
Quintile 2	89	**0.61 (0.46-0.81)**	53	0.95 (0.65-1.41)	90	0.96 (0.74-1.24)
Quintile 3	90	0.90 (0.68-1.19)	53	0.73 (0.49-1.09)	101	**0.79 (0.62-1.01)**
Quintile 4	80	**0.68 (0.50-0.92)**	43	**0.61 (0.40-0.94)**	127	**0.77 (0.61-0.98)**
Quintile 5	75	**0.58 (0.42-0.80)**	48	0.69 (0.45-1.08)	101	**0.72 (0.56-0.93)**
P-trend		**0.008**		0.21		**0.003**
Ischemic Stroke						
Quintile 1	27	Ref.	8	Ref.	182	Ref.
Quintile 2	19	0.84 (0.45-1.56)	3	0.46 (0.11-1.87)	87	0.90 (0.70-1.17)
Quintile 3	12	0.68 (0.33-1.42)	3	0.45 (0.11-1.84)	98	**0.79 (0.61-1.01)**
Quintile 4	17	0.92 (0.47-1.78)	4	0.39 (0.09-1.64)	109	**0.68 (0.53-0.87)**
Quintile 5	17	0.98 (0.50-1.95)	4	0.43 (0.10-1.90)	101	**0.78 (0.61-1.01)**
P-trend		0.58		0.50		**0.005**
Hemorrhagic Stroke						
Quintile 1	14	Ref.	4	Ref.	175	Ref.
Quintile 2	12	0.81 (0.37-1.77)	4	1.45 (0.30-6.95)	90	0.85 (0.65-1.10)
Quintile 3	11	0.87 (0.39-1.95)	2	0.42 (0.06-2.75)	93	**0.68 (0.53-0.88)**
Quintile 4	13	0.83 (0.37-1.83)	6	1.00 (0.20-4.98)	115	**0.69 (0.54-0.87)**
Quintile 5	22	1.34 (0.64-2.80)	3	0.94 (0.16-5.61)	101	**0.73 (0.57-0.95)**
P-trend		**0.02**		0.95		**0.002**
Other CVD						
Quintile 1	97	Ref.	36	Ref.	257	Ref.
Quintile 2	116	1.04 (0.79-1.38)	25	0.71 (0.41-1.22)	89	**0.65 (0.51-0.83)**
Quintile 3	63	**0.70 (0.50-0.98)**	29	0.70 (0.41-1.19)	132	**0.74 (0.60-0.92)**
Quintile 4	83	0.90 (0.66-1.23)	25	0.62 (0.36-1.07)	142	**0.64 (0.51-0.79)**
Quintile 5	76	0.78 (0.56-1.09)	32	0.67 (0.38-1.17)	132	**0.75 (0.60-0.94)**
P-trend		0.19		0.19		**0.001**
Diabetes						
Quintile 1	65	Ref.	17	Ref.	139	Ref.
Quintile 2	52	0.81 (0.55-1.21)	14	1.00 (0.47-2.12)	59	0.77 (0.56-1.05)
Quintile 3	43	0.88 (0.58-1.33)	11	0.61 (0.26-1.43)	54	**0.59 (0.43-0.81)**
Quintile 4	43	0.79 (0.52-1.20)	20	1.15 (0.56-2.37)	93	0.90 (0.69-1.18)

Quintile 5	35	**0.61 (0.38-0.97)**	13	0.72 (0.31-1.67)	79	0.97 (0.72-1.30)
P-trend		0.23		0.54		0.73

Abbreviation: aHR: adjusted hazard ratio; CI: confidence interval; CVD: cardiovascular disease
*Nut/peanut intake quintile cut-points (grams/day):
SMHS/SWHS data (Peanut intake): Q1 (<0.14); Q2 (0.14- less than 0.72); Q3 (0.72-less than 1.45); Q4 (1.45-less than 2.54); Q5 (≥2.54)
SCCS data (Total nut and peanut butter intake): Q1 (<0.95); Q2 (0.95-less than 3.08); Q3 (3.08-less than 7.30); Q4 (7.30-less than 18.45); Q5 (≥18.45)

Model adjusted for:
[a]Age, sex, education, occupation, household income, marital status, smoking pack-years, alcohol consumption, BMI, physical activity, vitamin supplement use, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken intake, seafood intake, vegetable intake, and fruit intake.
[b]Age, sex, education, occupation, household income (SMHS) or income per capita (SWHS), smoking status, alcohol consumption (ever/never), BMI, physical activity, regular tea consumption, Charlson comorbidity index, metabolic conditions**, total energy intake, red meat intake, chicken/duck intake, seafood intake, vegetable intake, and fruit intake.

**One or more of the following conditions: history of hypertension, diabetes, history of heart disease, BMI≥30, unspecified dyslipidemia (SMHS and SWHS only), or hypercholesterolemia (SCCS only)

