

Supplementary Table S1. Fully adjusted associations* (men and women combined) between aMEDr and total lung cancer risk in various subgroups

Subgroup		0-3	4-5	6-8	P _{trend}	P _{heterogeneity} †
Baseline age (y)						
55-59	N cases	511	424	116		
	HR (95% CI)	1.00	0.98 (0.77 ; 1.25)	0.92 (0.64 ; 1.30)	0.667	
60-64	N cases	471	407	126		
	HR (95% CI)	1.00	0.78 (0.60 ; 1.00)	0.87 (0.61 ; 1.23)	0.137	
65-69	N cases	380	326	100		
	HR (95% CI)	1.00	0.78 (0.58 ; 1.06)	0.95 (0.63 ; 1.42)	0.356	0.564
Smoking status						
Never	N cases	82	88	28		
	HR (95% CI)‡	1.00	0.95 (0.67 ; 1.35)	0.60 (0.35 ; 1.01)	0.072	
Former	N cases	363	390	133		
	HR (95% CI)‡	1.00	1.08 (0.85 ; 1.36)	0.82 (0.61 ; 1.11)	0.382	
Current	N cases	917	679	181		
	HR (95% CI)‡	1.00	0.79 (0.64 ; 0.97)	1.02 (0.73 ; 1.43)	0.280	0.074
Body mass index (kg/m²)						
≥18.5 - <25	N cases	763	619	184		
	HR (95% CI)§	1.00	0.74 (0.61 ; 0.91)	0.72 (0.54 ; 0.95)	0.003	
≥25	N cases	593	521	156		
	HR (95% CI)§	1.00	0.99 (0.80 ; 1.23)	1.10 (0.80 ; 1.51)	0.702	0.030
Physical activity (min/day)						
≤30	N cases	337	226	56		
	HR (95% CI)	1.00	0.99 (0.71 ; 1.39)	1.05 (0.61 ; 1.81)	0.919	
>30 - ≤60	N cases	413	351	108		
	HR (95% CI)	1.00	0.83 (0.63 ; 1.09)	1.03 (0.71 ; 1.49)	0.586	
>60 - ≤90	N cases	238	231	75		
	HR (95% CI)	1.00	1.08 (0.74 ; 1.59)	0.70 (0.42 ; 1.15)	0.285	
>90	N cases	374	349	103		
	HR (95% CI)	1.00	0.75 (0.58 ; 0.98)	0.78 (0.54 ; 1.11)	0.048	0.526
Alcohol consumption (g/day)						
0	N cases	224	157	49		
	HR (95% CI)¶	1.00	0.91 (0.64 ; 1.30)	1.04 (0.64 ; 1.70)	0.892	
>0 - <15	N cases	498	521	161		
	HR (95% CI)¶	1.00	1.13 (0.90 ; 1.42)	1.05 (0.77 ; 1.43)	0.494	
≥15	N cases	640	479	132		
	HR (95% CI)¶	1.00	0.64 (0.50 ; 0.81)	0.75 (0.53 ; 1.04)	0.002	0.016
Lung cancer family history						
No	N cases	1177	1013	300		
	HR (95% CI)**	1.00	0.89 (0.76 ; 1.05)	0.89 (0.72 ; 1.10)	0.155	
Yes	N cases	185	144	42		
	HR (95% CI)**	1.00	0.67 (0.41 ; 1.09)	0.70 (0.32 ; 1.53)	0.153	0.438
Follow-up (y)						
0 - ≤2	N cases	121	94	22		
	HR (95% CI)	1.00	0.88 (0.64 ; 1.21)	0.67 (0.41 ; 1.10)	0.113	
>2 - ≤10	N cases	604	508	148		
	HR (95% CI)	1.00	0.90 (0.75 ; 1.08)	0.92 (0.71 ; 1.19)	0.316	
>10 - 20.3	N cases	637	555	172		
	HR (95% CI)	1.00	0.83 (0.70 ; 1.00)	0.91 (0.71 ; 1.18)	0.152	0.678

aMEDr, alternate Mediterranean diet score without the alcohol component; y, years; n, number of subjects; HR, hazard ratio; CI, confidence interval; min/day, minutes per day; g/day, grams per day.

* Hazard ratios were adjusted for age at baseline (years), gender (male, female), cigarette smoking status (never, former, current), cigarette smoking duration (years, centered), cigarette smoking frequency (cigarettes smoked per day, centered), daily energy intake (kilocalories), alcohol consumption (0, >0-<15, ≥15-<30, ≥30 grams per day), body mass index (<18.5, ≥18.5-<25, ≥25-<30, ≥30 kg/m²), non-occupational physical activity (≤30, >30-≤60, >60-≤90, >90 minutes per day), highest level of education (primary school or lower vocational, secondary school or medium vocational, higher vocational or university), family history of lung cancer (no, yes) and history of physician-diagnosed chronic bronchitis (no, yes).

† P-values for heterogeneity were obtained by fitting interaction terms between aMEDr and the stratifying variable in the fully adjusted model.

‡ Not adjusted for cigarette smoking status.

§ Not adjusted for body mass index.

|| Not adjusted for non-occupational physical activity.

¶ Not adjusted for alcohol consumption.

** Not adjusted for family history of lung cancer.