

Supplemental Table S2. Stratified analyses of the associations between DII scores from diet and odds of ESCC in 3,967 participants, the NCEC-HRP Study ^a

	Number of cases / total sample	<i>OR</i> <i>continuous</i> ^b	<i>P</i> <i>value</i> ^c	<i>P</i> <i>interaction</i> ^d
Age ^e				0.94
≤55 years	10/2124	1.25 (0.56-2.81)	0.59	
>55 years	62/1843	1.12 (0.81-1.56)	0.50	
Sex				0.23
Male	50/1993	1.17 (0.83-1.65)	0.36	
Female	22/1974	1.02 (0.49-2.13)	0.95	
Educational level				0.44
Primary school and lower	60/2649	1.05 (0.74-1.47)	0.80	
Junior school and above	12/1318	1.74 (0.86-3.52)	0.12	
Job				0.50
Farmers	66/3046	1.11 (0.81-1.53)	0.51	
Non-farmers	6/921	NA.	0.40	
BMI status ^g				0.08
18.5-23.9	39/2062	1.27 (0.85-1.90)	0.24	
≥24	32/1766	0.86 (0.55-1.36)	0.52	
Smoking status				0.12
Never	44/2822	1.00 (0.65-1.54)	0.99	
Ever	28/1117	1.34 (0.85-2.10)	0.20	
Alcohol drinking status				0.47
Never	32/2488	1.02 (0.61-1.73)	0.93	
Ever	40/1479	1.19 (0.80-1.75)	0.39	
Frequency of physical activity ^h				0.51
Never or seldom	54/3046	1.01 (0.70-1.44)	0.97	
More than once a week	18/921	1.77 (0.95-3.28)	0.07	
History of digestive diseases ⁱ				0.13
Yes	10/585	2.71 (1.01-7.73)	0.04	
No	62/3343	1.06 (0.76-1.48)	0.72	
Frequency of eating hot food in the past year				0.54
≤1-3 days/month	46/2109	1.26 (0.72-2.20)	0.42	
≥1-3 days/week	26/1858	1.00 (0.68-1.45)	0.98	
Eating speed				0.42
Slow	7/837	NA.	0.22	
Normal	50/2532	1.23 (0.86-1.75)	0.25	
Fast	15/598	1.07 (0.39-2.94)	0.87	

Abbreviations: DII: Dietary Inflammatory Index; ESCC: Esophageal Squamous Cell Cancer; NCEC-HRP,

The National Cohort of Esophageal Cancer-Pro prospective Cohort Study of Esophageal Cancer and Precancerous Lesions based on High-Risk Population; OR, odds ratio.

- a. Model adjusted for age, sex, total energy intake, marital status, educational level, job, household income per year, BMI status, smoking status, alcohol drinking status, frequency of physical activity, history of digestive diseases.
- b. OR_{continuous} was calculated for one unit increase in DII score in association with disease risk.
- c. The *P* values were obtained from models with DII score as a continuous variable.
- d. The *P* value for interaction was calculated from the multivariable-adjusted model by adding the cross-product of DII score (continuous) and each effect modifier.
- e. The median of age among 3967 participants was 55.
- f. “Not married” refers to single/ divorced/widowed status.
- g. The category of “<18.5” was not presented due to small sample size.
- h. Frequency of physical activity refers to the occasions in an average week that an individual’s heart rate obviously increases due to participation in physical activities.
- i. The category of “Missing” was not presented due to small sample size. Digestive diseases refer to superficial gastritis, atrophic gastritis, hypertrophic gastritis, stomach ulcer, and duodenal ulcer.