

Supplemental Files

Table S1. Results from sensitivity analysis: associations between famine exposure and PS risk, odds ratio (95% confidence interval).

Models	Unexposed (n = 1,291)	Fetal exposed (n = 486)	Infant exposed (n = 301)	Preschool exposed (n = 744)
Mean age (years)	51.8	50.8	53.0	54.5
Model 1				
OR (95% CI)	Ref	1.53 (1.17, 1.99)	2.92 (2.20, 3.88)	2.55 (2.05, 3.16)
P		0.002	<0.001	<0.001
Model 2				
OR (95% CI)	Ref	1.52 (1.17, 1.99)	3.07 (2.31, 4.09)	2.60 (2.08, 3.23)
P		0.002	<0.001	<0.001
Model 3				
OR (95% CI)	Ref	1.51 (1.15, 1.98)	2.97 (2.22, 3.98)	2.43 (1.94, 3.05)
P		0.003	<0.001	<0.001

Note: OR, odds ratio; CI, confidence interval; Ref, reference. Model 1, unadjusted for any covariate. Model 2, adjusted for sex. Model 3 further adjusted for region, marital status, nutritional status, smoking, drinking, education level, economic status. Data of fetal, infant, and preschool exposed groups came from CHARLS 2011, data of unexposed group came from CHARLS 2015.

Table S2. Associations between famine exposure and possible sarcopenia risk by sex, stratified by region, nutritional status, smoking, drinking.													
Sex		Total				Male				Female			
Groups	Fetal exposed	Infant exposed	Preschool exposed	<i>P</i> <sub>interaction</sub>	Fetal exposed	Infant exposed	Preschool exposed	<i>P</i> <sub>interaction</sub>	Fetal exposed	Infant exposed	Preschool exposed	<i>P</i> <sub>interaction</sub>	
Total	0.91 (0.69, 1.19)	1.55 (1.17, 2.05)**	1.46 (1.17, 1.26)**	0.719	1.16 (0.74, 1.83)	2.15 (1.40, 3.31)**	1.78 (1.23, 2.57)**	0.111	0.80 (0.57, 1.12)	1.21 (0.83, 1.77)	1.32 (0.99, 1.75)*	0.960	
Region													
Urban area	0.81 (0.43, 1.52)	1.37 (0.77, 2.44)	1.11 (0.61, 2.17)		0.61 (0.22, 1.68)	1.49 (0.65, 3.40)	0.64 (0.28, 1.47)		0.92 (0.41, 2.07)	1.23 (0.54, 2.82)	1.52 (0.80, 2.89)		
Rural area	0.94 (0.70, 1.27)	1.63 (1.18, 2.24)**	1.56 (1.22, 2.00)**		1.42 (0.85, 2.39)	2.52 (1.52, 4.20)**	2.31 (1.50, 3.55)**		0.77 (0.53, 1.12)	1.23 (0.81, 1.89)	1.27 (0.93, 1.74)		
Nutritional status				0.255				0.011				0.650	
Underweight	0.85 (0.25, 2.99)	0.87 (0.24, 3.18)	1.11 (0.42, 2.91)		0.27 (0.02, 3.01)	0.96 (0.01, 1.34)	0.64 (0.11, 3.58)		1.87 (0.38, 9.09)	3.64 (0.63, 21.19)	1.88 (0.53, 6.58)		
Normal weight	0.72 (0.47, 1.09)	1.37 (0.90, 2.08)	1.24 (0.90, 1.72)		1.04 (0.57, 1.91)	1.69 (0.91, 3.14)	1.48 (0.90, 2.42)		0.53 (0.29, 0.96)*	1.15 (0.64, 2.06)	1.12 (0.72, 1.73)		
Overweight	1.10 (0.76, 1.61)	1.91 (1.29, 2.84)**	1.71 (1.24, 2.36)**		1.54 (0.73, 3.23)	4.04 (2.11, 7.74)**	2.53 (1.36, 4.68)**		0.95 (0.61, 1.48)	1.18 (0.70, 2.01)	1.46 (0.99, 2.16)		
Smoking				0.848				0.140				0.098	
Never	0.95 (0.59, 1.52)	1.82 (1.16, 2.87)**	1.59 (1.10, 2.30)*		2.02 (0.60, 6.75)	6.40 (2.28, 17.98)**	2.26 (0.82, 6.25)		0.83 (0.59, 1.17)	1.08 (0.73, 1.61)	1.33 (0.99, 1.78)		
Former/Current	0.89 (0.64, 1.23)	1.38 (0.96, 1.97)	1.39 (1.05, 1.84)*		1.05 (0.64, 1.72)	1.68 (1.03, 2.73)*	1.67 (1.11, 2.48)*		0.33 (0.06, 1.82)	5.14 (1.29, 20.48)*	1.17 (0.42, 3.30)		
Drinking				0.392				0.010				0.018	
Never	0.95 (0.69, 1.30)	1.34 (0.95, 1.89)	1.42 (1.09, 1.85)*		1.99 (0.96, 4.10)	2.21 (1.05, 4.66)*	3.42 (1.86, 6.32)**		0.81 (0.56, 1.16)	1.20 (0.81, 1.80)	1.13 (0.83, 1.52)		
Current	0.79 (0.47, 1.34)	2.04 (1.27, 3.29)**	1.54 (1.03, 2.32)*		0.81 (0.44, 1.49)	2.21 (1.31, 3.75)**	1.11 (0.68, 1.81)		0.70 (0.24, 2.04)	1.21 (0.39, 3.79)	3.49 (1.59, 7.67)**		
Note: The reference of model: unexposed group. The model adjusted for all the covariates (region, marital status, nutritional status, smoking, drinking, education level, economic status) except for the stratification covariate. <i>P</i> <sub>interaction</sub> : <i>P</i> -value of interaction between famine exposed group and stratification covariate in the model adjusted for all the other covariates. * <i>P</i> < 0.05, ** <i>P</i> < 0.01.													