

Supplementary Table 1. Baseline characteristics of study population by noise exposure

Characteristic	Total (n=10,356)	Noise exposure group (n=3,217)	No noise exposure group (n=7,139)	P-value	R ² (%)
Sex				<0.0001	
Male	4,509 (49.0)	2,337 (76.4)	2,172 (34.3)		
Female	5,847 (51.0)	880 (23.6)	4,967 (65.7)		
Age (y)	58.0±11.1	54.1±24.5	55.4±28.4	0.0002	
40–49	2,801 (38.1)	932 (41.1)	1,869 (36.5)		
50–54	1,573 (17.8)	474 (17.4)	1,099 (18.0)		
55–59	1,404 (13.3)	434 (13.6)	970 (13.1)		
60–64	1,364 (10.1)	436 (9.8)	928 (10.2)		
≥65	3,214 (20.7)	941 (18.0)	2,273 (22.2)		
BMI (kg/m ²)*	24.0±3.1	24.2±7.6	24.0±9.4	0.1236	0.0471
Waist circumference (cm)	82.8±9.1	84.2±22.5	82.2±26.6	<0.0001	1.0410
Blood pressure (mm Hg)					
Systolic blood pressure	124.0±17.0	123.7±39.8	122.3±46.1	0.0032	0.1442
Diastolic blood pressure	77.7±10.1	79.8±28.1	77.6±31.4	<0.0001	1.0230
Fasting plasma glucose (mg/dL)	101.2±23.4	101.1±51.4	100.9±64.5	0.6516	0.0032
Triglyceride (mg/dL)	140.6±104.5	155.1±297.5	141.7±368.8	0.0003	0.2910
High-density lipoprotein cholesterol (mg/dL)	48.7±11.8	47.3±25.7	49.2±30.1	<0.0001	0.6264
Household income [†]				0.0052	
Lower class	2,654 (22.2)	751 (20.0)	1,903 (23.3)		
Lower-middle	1,916 (19.4)	615 (19.6)	1,301 (19.4)		
Middle	1,879 (19.7)	641 (22.0)	1,238 (18.5)		
Upper-middle	1,679 (17.2)	544 (17.4)	1,135 (17.0)		
Upper class	2,089 (20.0)	632 (19.9)	1,457 (20.1)		
Education level [‡]				<0.0001	
Elementary school	3,420 (27.7)	925 (23.7)	2,495 (29.9)		
Middle school	1,542 (15.4)	494 (16.1)	1,048 (15.0)		
High school	3,085 (33.2)	1,019 (35.3)	2,066 (32.0)		
University	2,131 (21.8)	724 (23.3)	1,407 (21.0)		
Smoking [§]				<0.0001	
Non-smoker	6,176 (54.6)	1,190 (33.4)	4,986 (66.0)		
Ex-smoker	2,165 (21.2)	1,056 (30.8)	1,109 (16.0)		
Current smoker	1,840 (22.4)	917 (34.2)	923 (16.0)		
Alcohol consumption				<0.0001	
Non-drinker	5,212 (45.3)	1,205 (34.0)	4,007 (51.3)		
≤1/wk	2,718 (27.5)	930 (28.7)	1,788 (26.8)		
2–3/wk	1,337 (15.5)	609 (21.7)	728 (12.1)		
≥4/wk	872 (9.6)	404 (13.7)	468 (7.4)		
Regular physical activity [¶]				0.0006	
Yes	4,673 (44.9)	1,549 (48.2)	3,124 (43.1)		
No	5,505 (53.2)	1,614 (50.2)	3,891 (54.9)		

Values are presented as number (%) for categorical variables or mean±standard deviation for continuous variables.

BMI, body mass index.

*Total number=10,342 (male 4,500, female 5,842); BMI couldn't be calculated for subjects without weight or height measurements. [†]Total number=10,217 (male 4,450, female 5,767); household income couldn't be obtained for missing or no answer. [‡]Total number=10,178 (male 4,432, female 5,746); education level couldn't be obtained for missing or no answer. [§]Total number=10,181 (male 4,432, female 5,749); smoking status couldn't be obtained for missing or no answer. ^{||}Total number=10,139 (male 4,414, female 5,725); alcohol consumption couldn't be obtained for missing or no answer. [¶]Total number=10,178 (male 4,431, female 5,747); regular physical activity status couldn't be obtained for missing or no answer.