1   Supplementary Table 1

2   Associations between the hearing loss score and other systemic parameters after adjusting for age in

3   the Ural Eye and Medical Study

4

Parameter	*P*-Value	Standardized Regression Coefficient beta	Non-Standardized Regression Coefficient B	95% Confidence Interval of B
Gender: Women / Men	<0.001	0.05	1.03	0.47, 1.60
Urban / rural region of habitation	0.002	0.04	0.93	0.34, 1.52
Family status: Married versus any other status	0.64			
Family type: Joint (three generations) / nuclear (two generations) / single / family of 2 people	0.02	0.03	0.29	0.04, 0.53
Ethnicity: Russian / any other ethnicity	0.88	0.002	0.05	-0.63, 0.74
Body height (cm)	0.82	0.003	0.004	-0.03, 0.04
Body weight (kg)	0.03	-0.03	-0.02	-0.04, -0.002
Body mass index (kg/m^2)	0.01	-0.03	-0.07	-0.13, -0.02
Waist circumference (cm)	0.02	-0.03	-0.03	-0.05, -0.004
Hip circumference cm)	0.01	-0.03	-0.03	-0.05, -0.006
Waist-Hip-Ratio	0.61	-0.007	-0.81	-3.91, 2.29
Socioeconomic parameters				
Level of education	0.49	0.009	0.06	-0.11, 0.23
Monthly Income (Below poverty line / average / above average / high)	0.99	0.000	-0.01	-0.58, 0.58
Own ownership of house (yes / no)	0.90	-0.002	-0.09	-1.51, 1.33
Own ownership of refrigerator (yes / no)	0.19	-0.03	-2.98	-7.40, 1.44
Own ownership of second house (yes / no)	0.03	-0.04	-1.15	-2.18, -0.12
Own ownership of telephone (yes / no)	0.13	-0.02	-0.64	-1.48, 0.19
Own ownership of smartphone (yes / no)	0.87	-0.003	-0.07	-0.91, 0.77
Own ownership of television set (yes / no)	0.13	-0.02	-0.64	-1.48, 0.19
Own ownership of car (yes / no)	0.07	-0.03	-0.82	-1.72, 0.07
Own ownership of two-wheeler (yes / no)	0.87	-0.002	-0.05	-0.65, 0.56
Own ownership of tractor (yes / no)	0.73	0.007	0.34	-1.55, 2.23

Own ownership of bullock cart (yes / no)	0.76	0.006	0.32	-1.71, 2.24
Own ownership of computer / laptop (yes / no)	0.13	-0.03	-0.71	-1.62, 0.21
Physical activity				
How long is your usual work day? (Minutes)	0.17	-0.02	-0.001	-0.002, 0.000
Does your work involve mostly sitting or standing with less than 10 minutes of walking at a time? (Yes / No)	0.76	0.004	0.11	-0.57, 0.78
Does your work involve physically vigorous activity (like heavy lifting or digging) or physically moderate intensity activity (like brisk walking or carrying light loads) (Yes / No)	<0.001	0.07	1.59	0.97, 2.20
How many days a week do you do such physically vigorous activity during work? (Yes / No)	0.001	0.06	0.47	0.21, 0.73
On a usual day how much time do you spend on such physically vigorous work during work? (Minutes)	<0.001	0.06	0.002	0.001, 0.004
Does your work involve physically moderate-intensive activity, like brisk walking or carrying light loads for at least 10 minutes at a time?	<0.001	0.06	1.32	0.66, 1.98
Do you walk or use a bicycle (pedal cycle) for at least 10 minutes continuously to get to and from places?	0.63	0.006	0.25	-0.77, 1.26
In your leisure time, do you do any moderate intensity activities like brisk walking, cycling or swimming for at least 10 minutes at a time?	<0.001	0.09	2.09	1.47, 2.72
Over the past 7 days, how much time did you spend sitting or reclining on a typical day?	0.40	0.01	0.000	0.000, 0.000
History of diseases				
History of angina pectoris	0.96	0.001	0.03	-0.97, 1-.02
History of asthma	0.03	0.03	1.95	0.20, 3.71
History of arterial hypertension	0.01	0.03	0.76	0.17, 1.36

History of arthritis	<0.001	0.07	1.65	1.00, 2.29
History of previous bone fractures	0.18	0.02	0.42	-0.19, 1.03
History of low back pain	0.001	0.04	0.97	0.41, 1.53
History of thoracic spine pain	<0.001	0.07	1.72	1.06, 2.38
History of neck pain	<0.001	0.05	1.18	0.56, 1.80
History of headache	<0.001	0.07	1.54	0.98, 2.10
History of cancer	0.006	0.04	2.38	0.67, 4.08
History of cardiovascular disorders including stroke	<0.001	0.05	1.27	0.62, 1.92
History of dementia	0.004	0.04	5.05	1.63, 8.48
History of diabetes mellitus	0.52	-0.009	-0.34	-1.38, 0.69
History of diarrhea	0.86	0.002	0.37	-3.62, 4.36
History of iron-deficiency anemia	0.34	0.01	0.59	-0.63, 1.81
History of low blood pressure and hospital admittance	0.97	-0.001	-0.03	-1.67, 1.54
History of osteoarthritis	<0.001	0.07	1.89	1.16, 2.62
History of skin disease	0.07	0.02	1.16	-0.09, 2.41
History of thyreopathy	0.92	-0.001	-0.05	-1.00, 0.90
History of tumbling	0.11	0.02	0.58	--0.13, 1.29
History of unconsciousness	0.02	0.03	1.19	0.17, 2.22
Age of the last menstrual bleeding (years)	0.66	-0.009	-0.02	-0.11, 0.07
Age of last regular menstrual bleeding (years)	0.92	-0.002	-0.005	-0.09, 0.09
History of menopause	0.55	-0.01	-0.35	-1.51, 0.80
Blood concentrations (mmol/L) of:				
Alanine aminotransferase (IU/L)	0.41	0.01	0.01	-0.01, 0.03
Aspartate aminotransferase (IU/L)	0.50	0.009	0.009	-0.02, 0.03
Bilirubin, total (μmol/L)	0.65	0.006	0.006	-0.02, 0.03
High-density lipoproteins (mmol/L)	0.78	-0.004	-0.05	-0.36, 0.27
Low-density lipoproteins (mmol/L)	0.62	0.007	0.06	-0.18, 0.30
Cholesterol (mmol/L)	0.79	-0.03	-0.02	-0.19, 0.14
Triglycerides (mmol/L)	0.28	-0.01	-0.21	-0.59, 0.17
Rheumatoid factor (IU/mL)	0.14	-0.02	-0.25	-0.58, 0.09
Erythrocyte sedimentation rate (mm / hour)	0.95	-0.001	-0.001	-0.03, 0.03
Glucose (mmol/L)	0.48	-0.009	-0.06	-0.23, 0.11
Prevalence of diabetes mellitus	0.12	-0.02	-0.71	-1.62, 0.20
Creatinine (μmol/L)	0.45	0.01	0.004	-0.007, 0.02
Urea (mmol/L)	0.22	-0.02	-0.12	-0.32, 0.07

Residual nitrogen (g/L)	0.74	-0.004	-0.66	-4.53, 3.21
Total protein (g/L)	0.75	0.004	0.007	-0.04, 0.05
International normalized ratio (INR)	0.13	-0.02	-1.50	-3.41, 0.42
Prothrombin time (%)	0.98	0.000	0.007	-0.53, 0.54
Hemoglobin	0.45	-0.01	0.007	-0.03, 0.01
Erythrocytes (10^6 cells / μL)	0.93	0.001	0.04	-0.71, 0.78
Leukocytes (10^9 cells / L)	0.55	-0.008	-0.06	-0.26, 0.14
Rod-core granulocyte (% of leukocytes)	0.77	0.004	0.03	-0.18, 0.24
Segment nuclear granulocyte (% of leukocytes)	0.45	-0.01	-0.02	-0.05, 0.02
Eosinophil granulocytes (% of leukocytes)	0.42	-0.01	-0.12	-0.40, 0.17
Lymphocytes (% of leukocytes)	0.11	0.02	0.04	-0.008, 0.08
Monocytes (% of leukocytes)	0.49	-0.009	-0.04	-0.17, 0.08
Blood pressure, systolic (mmHg)	0.74	0.005	0.002	-0.01, 0.02
Blood pressure, diastolic (mmHg)	0.77	0.004	0.004	-0.02, 0.03
Blood pressure, mean (mmHg)	0.45	.0.01	-0.01	-0.05, 0.02
Prevalence of arterial hypertension	0.03	0.03	0.64	0.05, 1.22
Prevalence of chronic obstructive pulmonary disease	0.67	0.006	0.24	-0.87, 1.35
Diet			
Vegetarian diet / mixed diet	0.57	0.007	2.43	-6.01, 10.9
Number of meals per day	0.22	0.02	0.23	-0.13, 0.58
In a week how many days do you eat fruits?	0.001	-0.05	-0.25	-0.40, -0.11
In a week how many days do you eat vegetables?	<0.001	0.05	0.005	0.002, 0.008
Type of oil used for cooking: vegetable oil / non-vegetable oil	0.058	-0.03	-0.20	-0.40, 0.006
Salt consumed per day (g)	0.10	0.02	0.002	0.000, 0.005
Degree of processing of meat (weak / medium / well done)	0.24	-0.02	-0.64	-1.71, 0.43
Smoking			
Do you currently smoke any tobacco products? (yes)	0.17	0.02	0.59	-0.26, 1.44
Do you smoke daily? (yes / no)	0.39	0.01	0.38	-0.48, 1.24
Package years (package = 20 cigarettes)	0.25	0.02	0.01	-0.009, 0.04
Alcohol Consumption			

Alcohol consumed such as beer, whisky, rum, gin brandy or other local products? (yes / no)	0.05	0.03	0.67	-0.008, 1.35
How many alcoholic drinks do you have on a typical day when you are drinking)	0.16	0.04	0.003	-0.001, 0.007
How often do you have 6 or more drinks on one occasion? (never / rarely / sometimes / often / cannot say)	0.36	0.03	0.38	-0.43, 1.19
Depression				
Depression score	<0.001	0.08	0.25	0.17, 0.32
State-Trait Anxiety Inventory (STAI)				
Anxiety score	<0.001	0.08	0.25	0.17, 0.33
Dynamometry				
Manual dynamometry, right hand (dekaNewton)	0.40	0.01	0.01	-0.02, 0.04
Manual dynamometry, left hand (dekaNewton)	0.08	0.03	0.02	-0.003, 0.05

5

6

7