

Supplementary Table 1 - Systolic and diastolic blood pressure (SBP, DBP) mean values (mmHg), by acoustic zone, in subjects not using antihypertensive drugs, Orio al Serio International Airport (BGY), Italy - June-September 2013

Blood pressure measurements in subjects not using antihypertensive drugs	Reference Zone <60 dBA	Zone A 60-65 dBA	Zone B 65-75 dBA	p-trend*
<i>No. subjects</i>	108	116	45	
<i>SBP-Day (Mean of 2nd and 3rd measurements)</i>				
Mean (SD)	119.2 (16.7)	122.7 (17.3)	118.8 (16.0)	
Mean difference (vs reference)*		+1.8	+0.8	0.64
90% CI*		-1.8; +5.5	-3.9; +5.6	
<i>DBP-Day (Mean of 2nd and 3rd measurements)</i>				
Mean (SD)	79.0 (9.7)	79.0 (10.0)	79.0 (10.3)	
Mean difference (vs reference)*		+0.1	+0.9	0.62
90% CI*		-2.1; +2.2	-1.9; + 3.7	
<i>SBP-Evening (Self-measured)</i>				
Mean (SD)	116.2 (14.5)	119.5 (16.9)	116.4 (14.5)	
Mean difference (vs reference)*		+2.2	+1.4	0.46
90% CI*		-1.2; +5.6	-3.0; +5.8	
<i>DBP-Evening (Self-measured)</i>				
Mean (SD)	75.1 (9.4)	76.7 (10.3)	75.7 (9.1)	
Mean difference (vs reference)*		+1.3	+1.0	0.46
90% CI*		-0.9; +3.6	-1.9; +3.9	
<i>SBP-Morning (Self-measured)</i>				
Mean (SD)	115.1 (14.8)	117.8 (18.4)	114.8 (12.5)	
Mean difference (vs reference)*		+0.3	+0.8	0.76
90% CI*		-3.0; +3.6	-3.5; +5.1	
<i>DBP-Morning (Self-measured)</i>				
Mean (SD)	75.1 (9.5)	75.9 (11.6)	75.0 (7.7)	
Mean difference (vs reference)*		0.0	-0.4	0.87
90% CI*		-2.3; +2.2	-3.2; +2.6	
<i>SBP (Mean of four measurements)</i>				
Mean (SD)	117.5 (14.4)	120.5 (16.2)	117.5 (13.6)	
Mean difference (vs reference)*		+1.3	+1.1	0.57
90% CI*		-1.9; +4.4	-3.0; +5.2	
<i>DBP (Mean of four measurements)</i>				
Mean (SD)	77.1 (8.7)	77.6 (9.6)	77.2 (8.3)	
Mean difference (vs reference)*		+0.3	+0.7	0.67
90% CI*		-1.7; +2.3	-1.9; +3.2	

Abbreviations: CI, confidence interval; DBP, diastolic blood pressure; SBP, systolic blood pressure; SD, standard deviation.

*From linear regression models adjusted for gender, age (years), education (years, categorical), BMI (Kg/m²), cigarette smoking (never, former, current), last occupation, airport-related job, and annoyance score from traffic noise at day or night (continuous).