

Supplementary material

Table S1. Estimated effect (β) of an IQR increase in indoor VOC concentration on measures of arterial stiffness in a sex stratified population.

	cAIx			cAIx ₇₅			cPP			cfPWV [‡]
	24-hour	Daytime	Nighttime	24-hour	Daytime	Nighttime	24-hour	Daytime	Nighttime	
Men (n = 39)	1.32	1.59	1.16	1.21	1.33	1.08	-0.18	-0.17	-0.27	-0.04
95% CI	0.11, 2.54	0.28, 2.89	-0.16, 2.48	-0.15, 2.57	-0.06, 2.71	-0.43, 2.59	-0.92, 0.56	-0.90, 0.57	-1.13, 0.59	-0.36, 0.28
p-value	0.034	0.019	0.082	0.079	0.060	0.155	0.622	0.645	0.525	0.805
Women (n = 72)	0.44	0.69	0.07	0.08	0.37	-0.19	0.03	0.07	-0.06	0.06
95% CI	-0.63, 1.51	-0.56, 1.93	-1.07, 1.22	-0.96, 1.13	-0.80, 1.53	-1.42, 1.05	-0.60, 0.65	-0.56, 0.69	-0.81, 0.68	-0.06, 0.18
p-value	0.410	0.273	0.901	0.872	0.529	0.763	0.931	0.833	0.863	0.318

multiple linear regression; adjusted for age, gender, BMI, waist-hip ratio, socioeconomic status (low, medium, high) and 24-hour mean temperature; data are presented as mean change (β) and 95% confidence interval for one IQR increase in indoor VOC (124.7 ppb); [‡]: measured in supine position during pulse wave analysis

Table S2. Estimated effect (β) of an IQR increase in indoor VOC concentration on measures of arterial stiffness in an age stratified population.

	cAIx			cAIx ₇₅			cPP			cfPWV [†]
	24-hour	Daytime	Nighttime	24-hour	Daytime	Nighttime	24-hour	Daytime	Nighttime	
≤ 50 years	0.82	0.92	0.79	0.77	0.88	0.78	-0.30	-0.33	-0.28	-0.03
95% CI	-0.33, 1.98	-0.32, 2.16	-0.40, 1.97	-0.38, 1.91	-0.33, 2.09	-0.46, 2.02	-0.76, 0.17	-0.80, 0.15	-0.85, 0.28	-0.18, 0.12
<i>p</i> -value	0.156	0.140	0.186	0.183	0.149	0.211	0.200	0.177	0.315	0.683
> 50 years	0.65	1.16	0.25	0.31	0.55	-0.10	0.00	0.12	-0.26	0.02
95% CI	-0.87, 2.17	-0.69, 3.00	-1.41, 1.90	-1.18, 1.80	-1.09, 2.19	-1.94, 1.73	-1.19, 1.19	-1.09, 1.34	-1.55, 1.03	-0.22, 0.26
<i>p</i> -value	0.394	0.214	0.767	0.682	0.502	0.910	0.995	0.838	0.684	0.860

multiple linear regression; adjusted for age, gender, BMI, waist-hip ratio, socioeconomic status (low, medium, high) and 24-hour mean temperature data are presented as mean change (β) and 95% confidence interval for one IQR increase in indoor VOC (124.7 ppb); [†]: measured in supine position during pulse wave analysis