

AMBIENT AIR POLLUTION IS ASSOCIATED WITH AIRWAY INFLAMMATION IN OLDER WOMEN: a nested cross-sectional analysis

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SUPPLEMENT

Figure S1. Distributions of FeNO (ppb) and log_eFeNO in all participants (n=236)

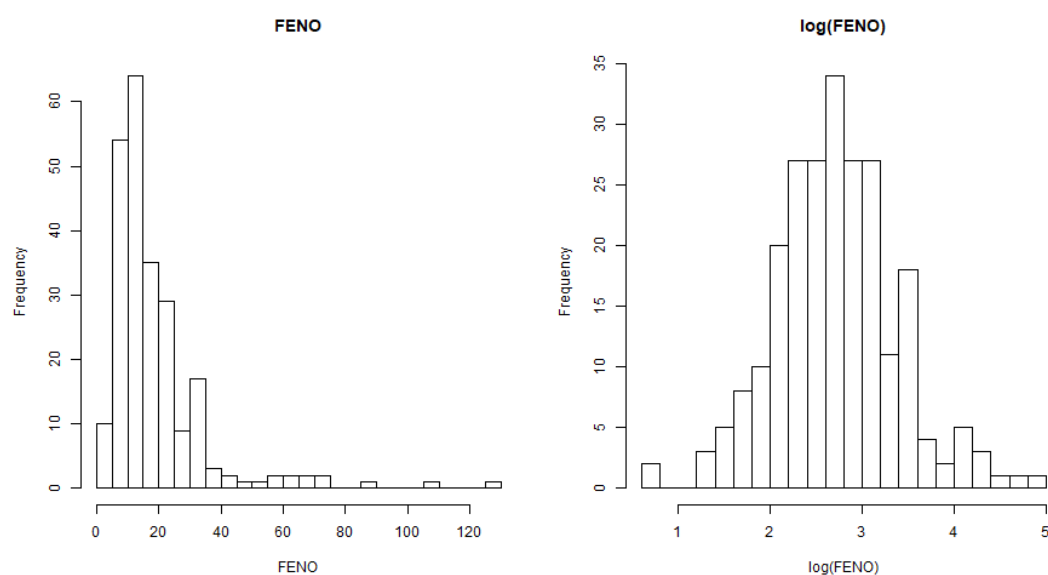


Table S1. Proportional changes (and 95% confidence intervals) in FeNO for an interquartile range in each pollutant or exposure in all participants (n=236). Estimates were adjusted for age, height, weight, current and former smoking, SHS exposure, urban/rural residence, socio-economic status and the FeNO measuring equipment.

Pollutant/Exposure	Change	95%CI	p-value
NO ₂	1.07	0.95, 1.21	0.24
NO _x	1.06	0.94, 1.20	0.31
PM ₁₀	1.13	1.01, 1.26	0.036
PM _{coarse}	1.04	0.92, 1.16	0.54
PM _{2.5}	1.20	1.04, 1.39	0.013
PM _{2.5} absorbance	1.10	1.01, 1.20	0.023
Major road length < 1km buffer	1.09	0.99, 1.20	0.08
O ₃	0.40	0.088, 1.84	0.24

Table S2. Proportional changes (and 95% confidence intervals) in FeNO for an interquartile range in each pollutant or exposure with in participants with chronic inflammatory respiratory conditions (n=71). Estimates were adjusted for age, height, weight, current and former smoking, SHS exposure, urban/rural residence, socio-economic status and the FeNO measuring equipment.

Pollutant/Exposure	Change	95%CI	p-value
NO ₂	1.02	0.77, 1.35	0.91
NO _x	1.01	0.76, 1.34	0.94
PM ₁₀	1.32	1.04, 1.68	0.023
PM _{coarse}	1.17	0.90, 1.52	0.25
PM _{2.5}	1.68	1.24, 2.26	0.001
PM _{2.5} absorbance	1.15	0.94, 1.41	0.16
Major road length < 1km buffer	1.14	0.95, 1.37	0.15
O ₃	0.37	0.02, 9.11	0.54

Table S3. Proportional changes (and 95% confidence intervals) in FeNO for an interquartile range in each pollutant or exposure for participants with chronic inflammatory respiratory conditions or lung function below the lower limit of normal (n=99). Estimates were adjusted for age, height, weight, current and former smoking, SHS exposure, urban/rural residence, socio-economic status and the FeNO measuring equipment.

Pollutant/Exposure	Change	95%CI	p-value
NO ₂	1.06	0.84, 1.34	0.61
NO _x	0.97	0.76, 1.24	0.83
PM ₁₀	1.26	1.05, 1.52	0.012
PM _{coarse}	1.08	0.90, 1.29	0.43
PM _{2.5}	1.46	1.14, 1.86	0.003
PM _{2.5} absorbance	1.18	1.02, 1.37	0.026
Major road length < 1km buffer	1.14	0.99, 1.32	0.07
O ₃	0.27	0.02, 3.90	0.34