

Supplementary table 1. Lung function change in healthy and those with asthma and chronic obstructive pulmonary disease (COPD) exposed to dense traffic (>10,000 vehicles per day) vs reference (> 500 m).

Outcome		Healthy	p		Asthma or COPD	p
traffic exposure	<i>N</i>	% (95%CI)	for trend	<i>n</i>	% (95%CI)	for trend
FEV₁						
>500 m	1976	-		218	-	
75-500 m	2147	-0.57 (-1.20, 0.06)		276	0.03 (-2.80, -2.87)	
<75 m	287	-0.59 (-1.88, 0.70)	0.09	39	-2.19 (-7.61, 3.22)	0.62
FVC						
>500 m	1976	-		218	-	
75-500 m	2147	-0.45 (-1.08, 0.19)		276	-0.13 (-2.39, 2.14)	
<75 m	287	-0.67 (-1.96, 0.62)	0.13	39	-4.46 (-8.78, -0.14)	0.17

Supplementary table 2. Lung function change in non-, former and current smokers exposed to dense traffic (>10,000 vehicles per day) vs reference (> 500 m).

Outcome		Non-smokers	p		Former smokers	p		Current smokers	p
traffic exposure	<i>N</i>	% (95%CI)	for trend	<i>n</i>	% (95%CI)	for trend	<i>n</i>	% (95%CI)	for trend
FEV₁									
>500 m	1137	-		891	-		382	-	
75-500 m	1216	-0.98 (-1.99, 0.02)		1000	0.03 (-2.80, 2.87)		452	-1.34 (-3.19, 0.51)	
<75 m	153	-0.63 (-2.71, 1.45)	0.11	132	-2.19 (-7.61, 3.22)	0.62	75	-2.81 (-6.17, 0.55)	0.06
FVC									
>500 m	1137	-		891	-		382	-	
75-500 m	1216	-0.37 (-1.30, 0.57)		1000	-0.50 (-1.75, 0.75)		452	-1.04 (-2.73, 0.65)	
<75 m	153	-0.08 (-2.03, 1.86)	0.58	132	-0.29 (-2.82, 2.24)	0.15	75	-2.43 (-5.50, 0.64)	0.08