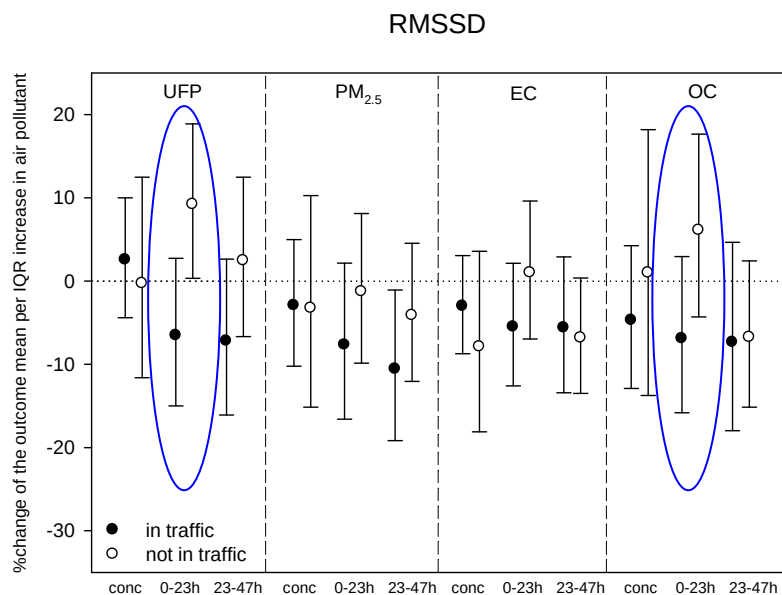
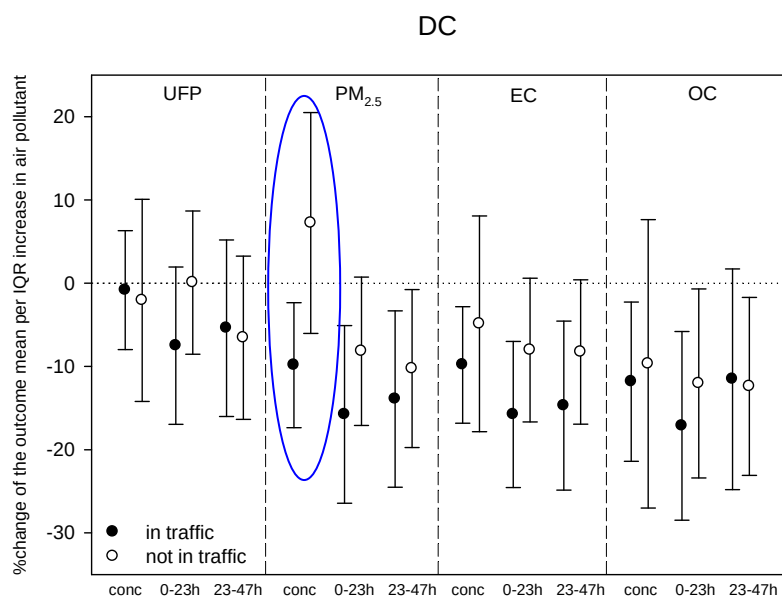
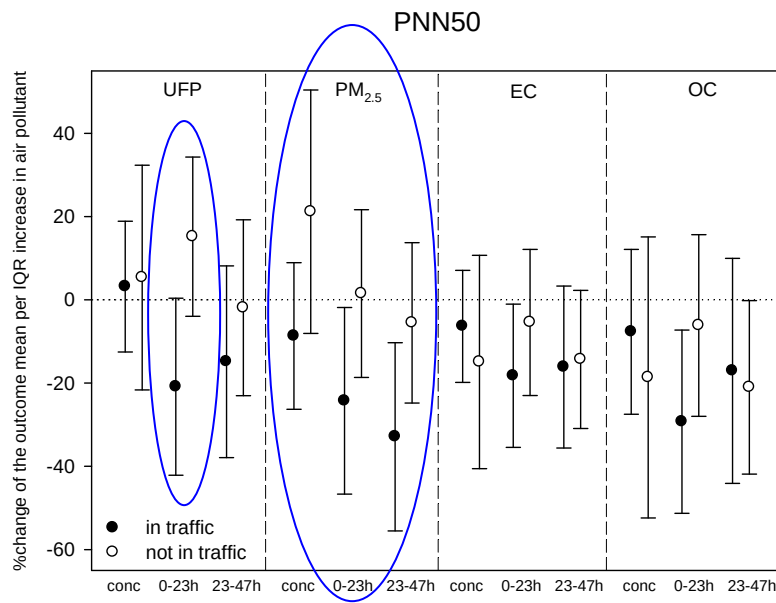


Online Supplemental Material: Additional File 2

Effect estimates with 95%-confidence intervals based on interquartile range increases in air pollutants for the interaction analyses with times spent in traffic (using a car, bus, tram or taxi):





Significant ($p < 0.05$) as well as borderline significant ($p < 0.10$) interactions are marked with a blue circle.

For the 254 24-hour ECGs the following numbers of observations were observed for times spent in traffic:

Times spent in traffic	During 24-hour ECG (conc.)	24 hours before ECG (0-23h)	48 hours before ECG (23-47h)
Less than one hour	68	120	131
More than one hour	169	119	109
Information missing	17	15	14

In traffic: at least one hour in traffic

Not in traffic: less than one hour in traffic

IQR: interquartile range

UFP: number concentration of particles between 0.01 and 0.1 μm diameter

$\text{PM}_{2.5}$: mass concentration of particles $< 2.5 \mu\text{m}$ diameter

EC and OC: elemental and organic carbon

DC: deceleration capacity

RMSSD: square root of the mean square of successive differences of normal-to-normal (NN) intervals

pNN50: percentage of adjacent NN intervals which differ more than 50ms

conc.: concurrent to the ECG-measurements

0-23h: 0-23 hours before the ECG-measurements

23-47h: 23-47 hours before the ECG-measurements