

Supplementary Information for

**Asthma and COPD Exacerbation in Relation to Outdoor Air Pollution
in the Metropolitan Area of Berlin, Germany**

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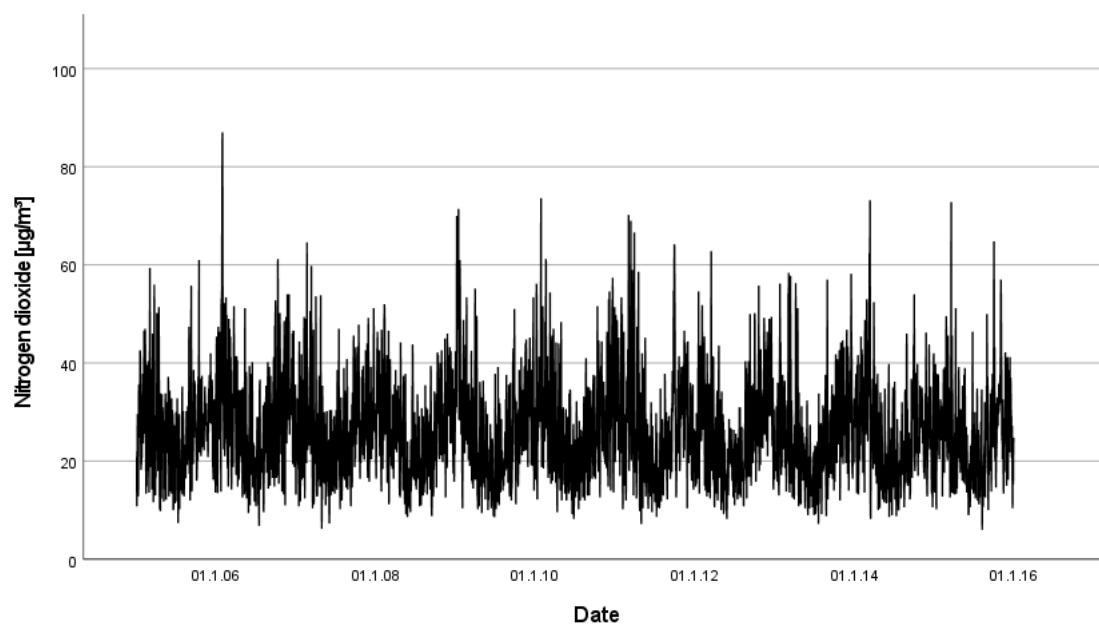


Figure S1. Urban background concentrations of nitrogen dioxide over the study period.

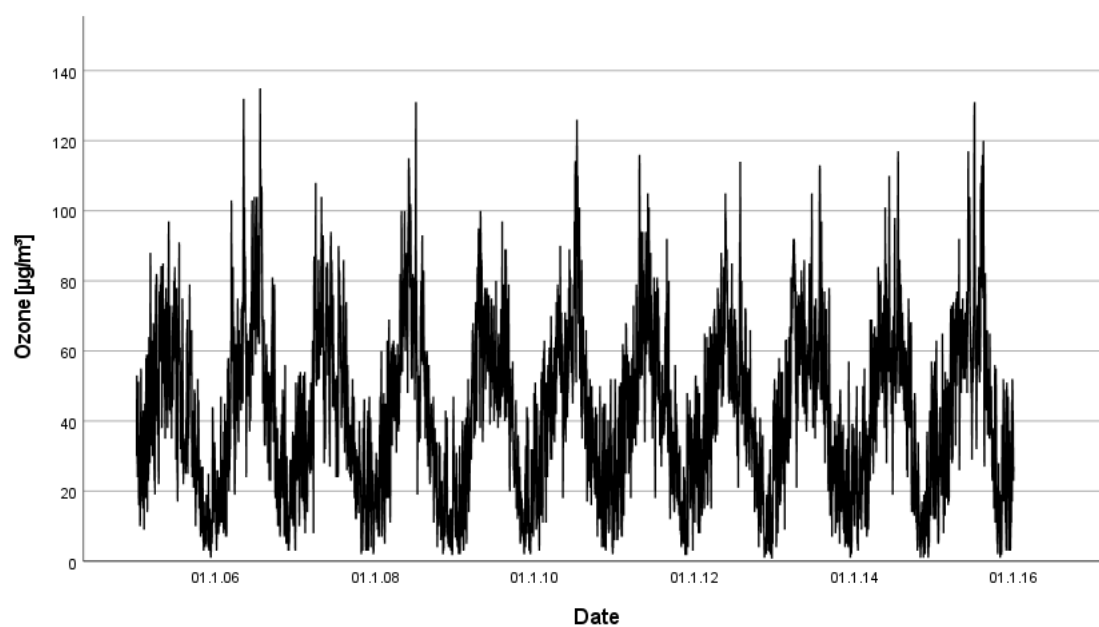


Figure S2. Urban background concentrations of ozone over the study period.

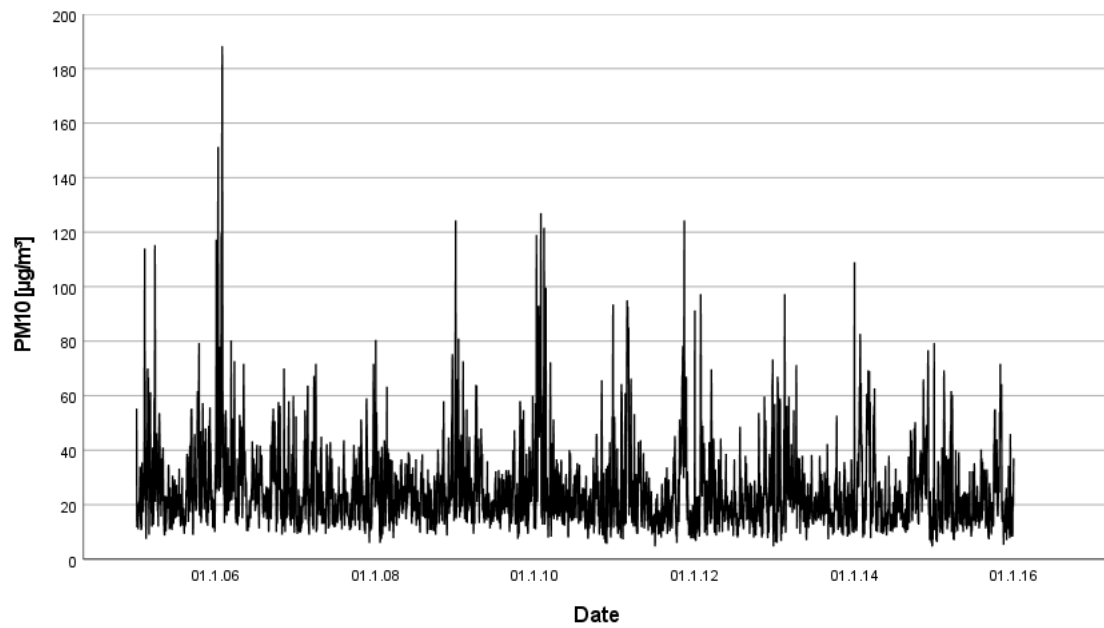


Figure S3. Urban background concentrations of PM₁₀ over the study period.

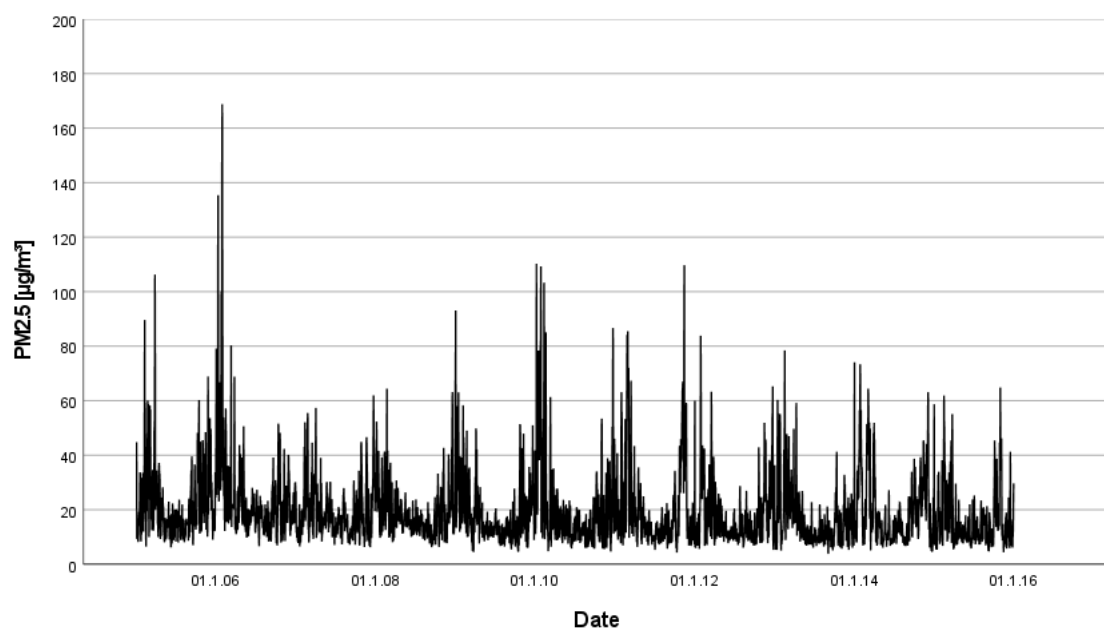


Figure S4. Urban background concentrations of PM_{2.5} over the study period.

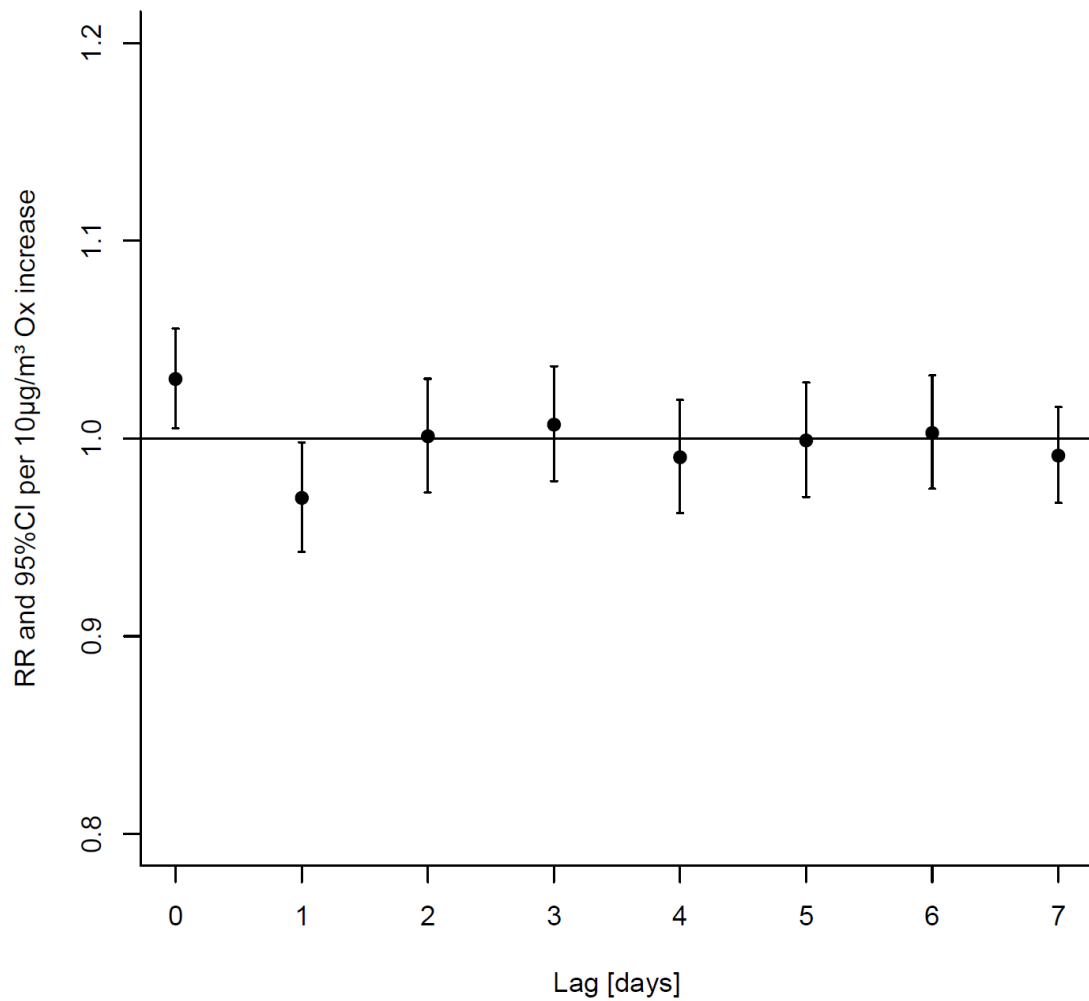


Figure S5. Hospitalisation risk ratios of COPD patients after exposure to total oxidants (O_x). The plot shows the results from a model including the mean temperature. Displayed are risk ratios (RR, dots) and 95% confidence intervals (CI, whiskers) per $10 \mu\text{g}/\text{m}^3$ increase total oxidants concentration.