

**ST16: Protocol for evaluating the health effects of the novel AQ metrics (ST1-4) and source contributions (ST8) by means of epidemiological approaches.** This describes the best practices for evaluating the association between short-term exposure to air pollution and health outcomes (mortality and morbidity). All recommendations in this report can be applied to any air pollutant, including nanoparticles. This is a key evaluation because, based on the results of these analyses, the novel AQ metrics to be implemented will be suggested and provided in SP3.

The linked resources for this ST include:

- 1) D9 (D2.1) Best practices for evaluation of nanoparticles and health for application in pilots: [https://riurbans.eu/wp-content/uploads/2022/09/RI-URBANS\\_D9\\_D2\\_1.pdf](https://riurbans.eu/wp-content/uploads/2022/09/RI-URBANS_D9_D2_1.pdf). On the best practices for evaluating the association between short-term exposure to air pollution and health outcomes (mortality and morbidity). All recommendations in this report can be applied to any air pollutant, including nanoparticles. The report includes recommendations on the type of data needed, sources for the health data, common challenges of health data collection, and a summary of two types of analyses, time series analysis and health impact assessment.