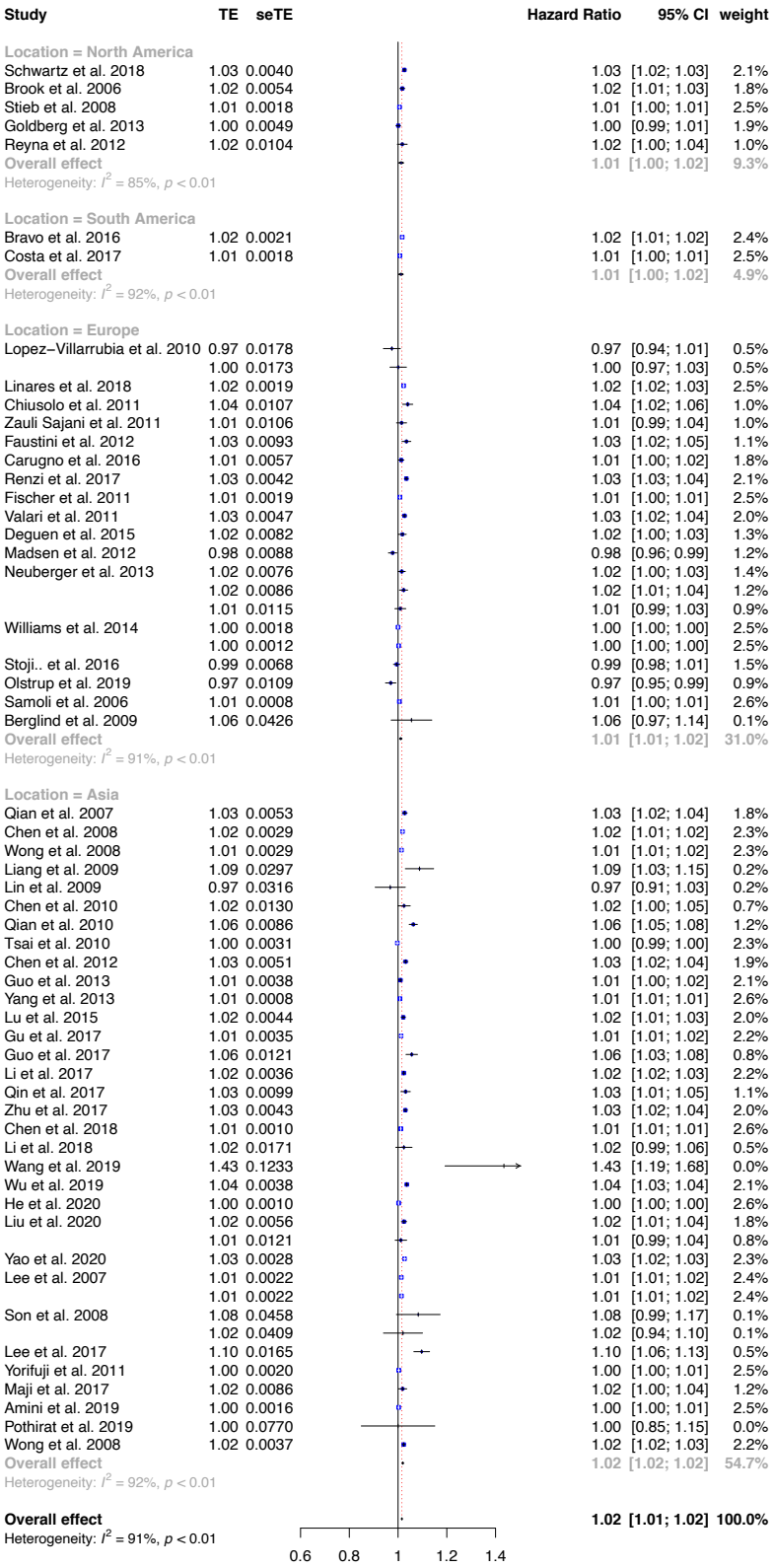
Appendix:

1. Searching strategy:

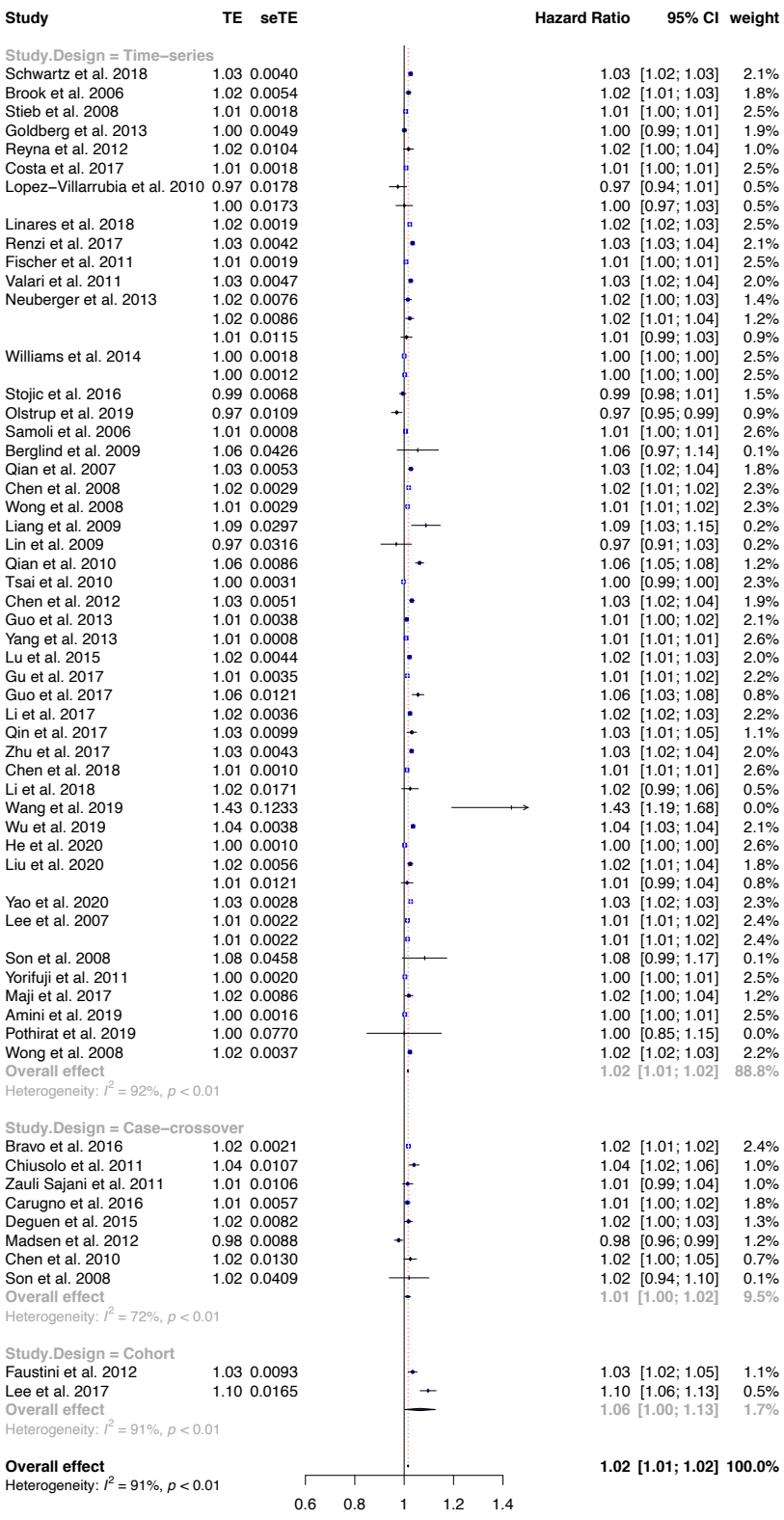
The following search terms were used: ("nitrogen dioxide" OR "NO_2" OR "NO_X" OR "nitrogen oxide" OR "traffic-related air pollution" OR "traffic related air pollution") AND ("mortality" OR "cardiovascular mortality" OR "respiratory mortality") AND ("epidemiology" OR "epidemiological" OR “epidemiologic” OR "cohort" OR "case-control" OR “case control”). We also applied the following exclusionary terms: (“pups” OR “crop” OR “animals” OR “animal” OR “rat” OR “in vitro”).

2. Figures of sensitivity analysis:

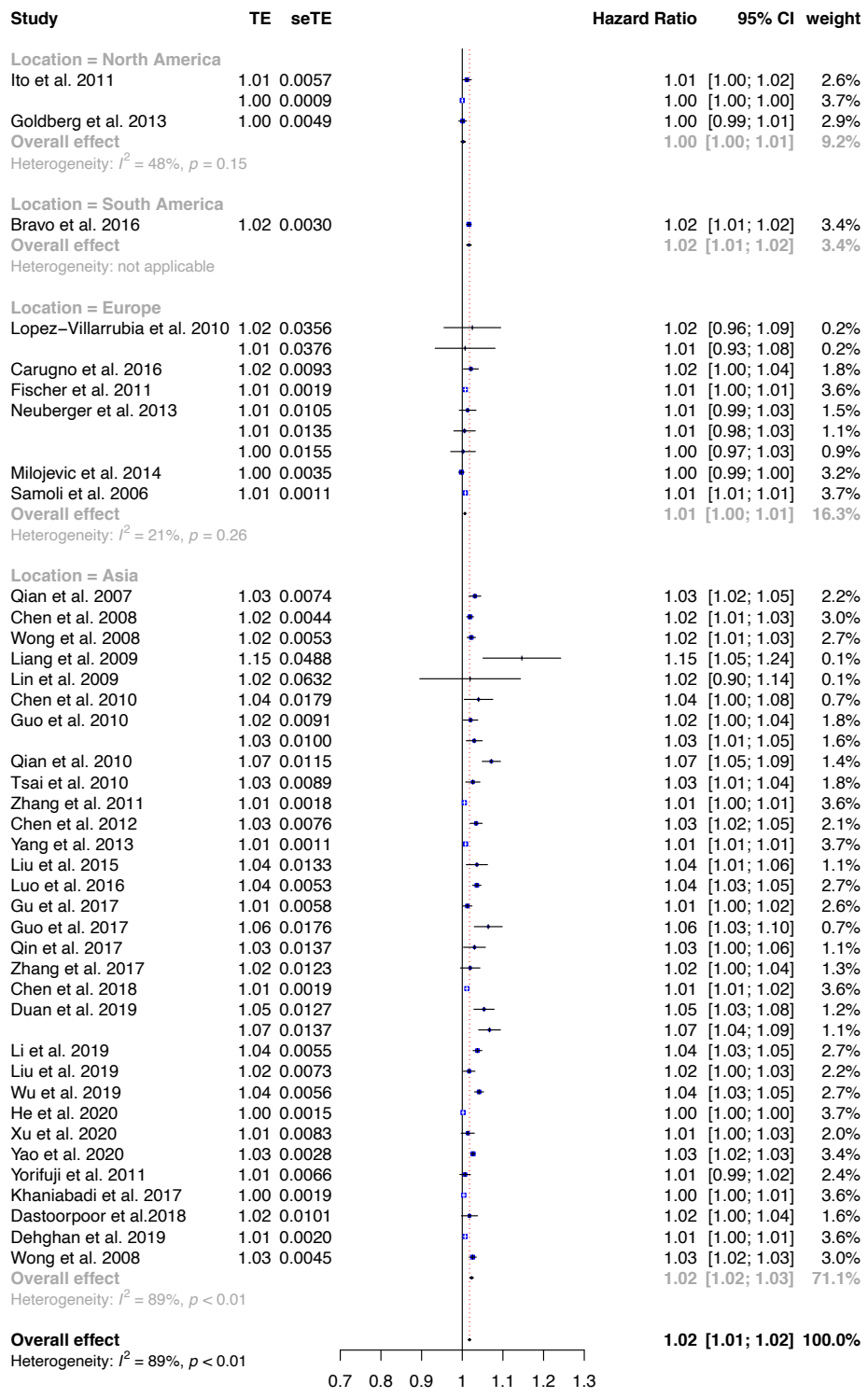
2.1 Add-back sensitivity analysis



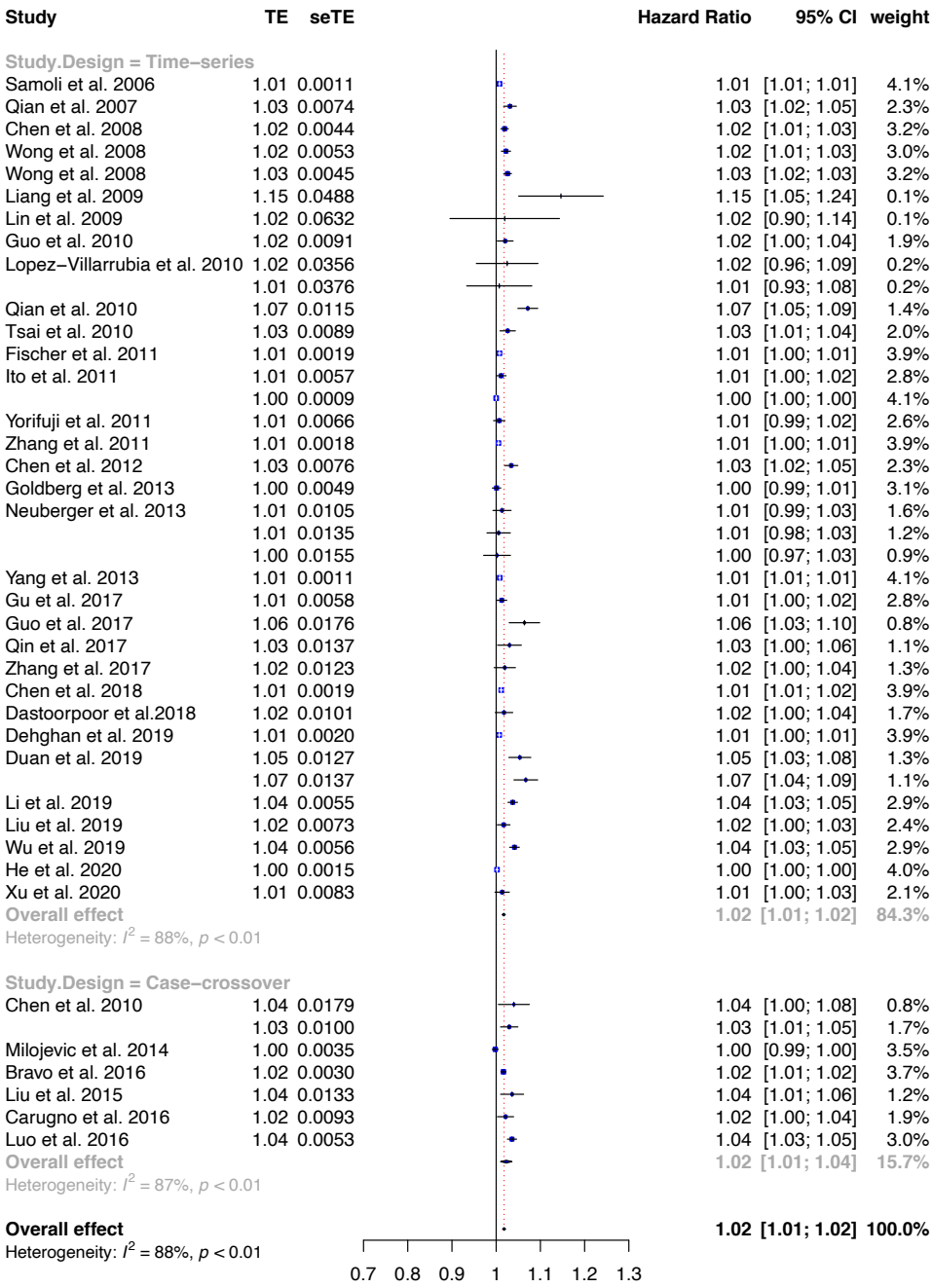
All included studies providing single-pollutant model estimates for meta-analysis for all-cause mortality in the regional stratification



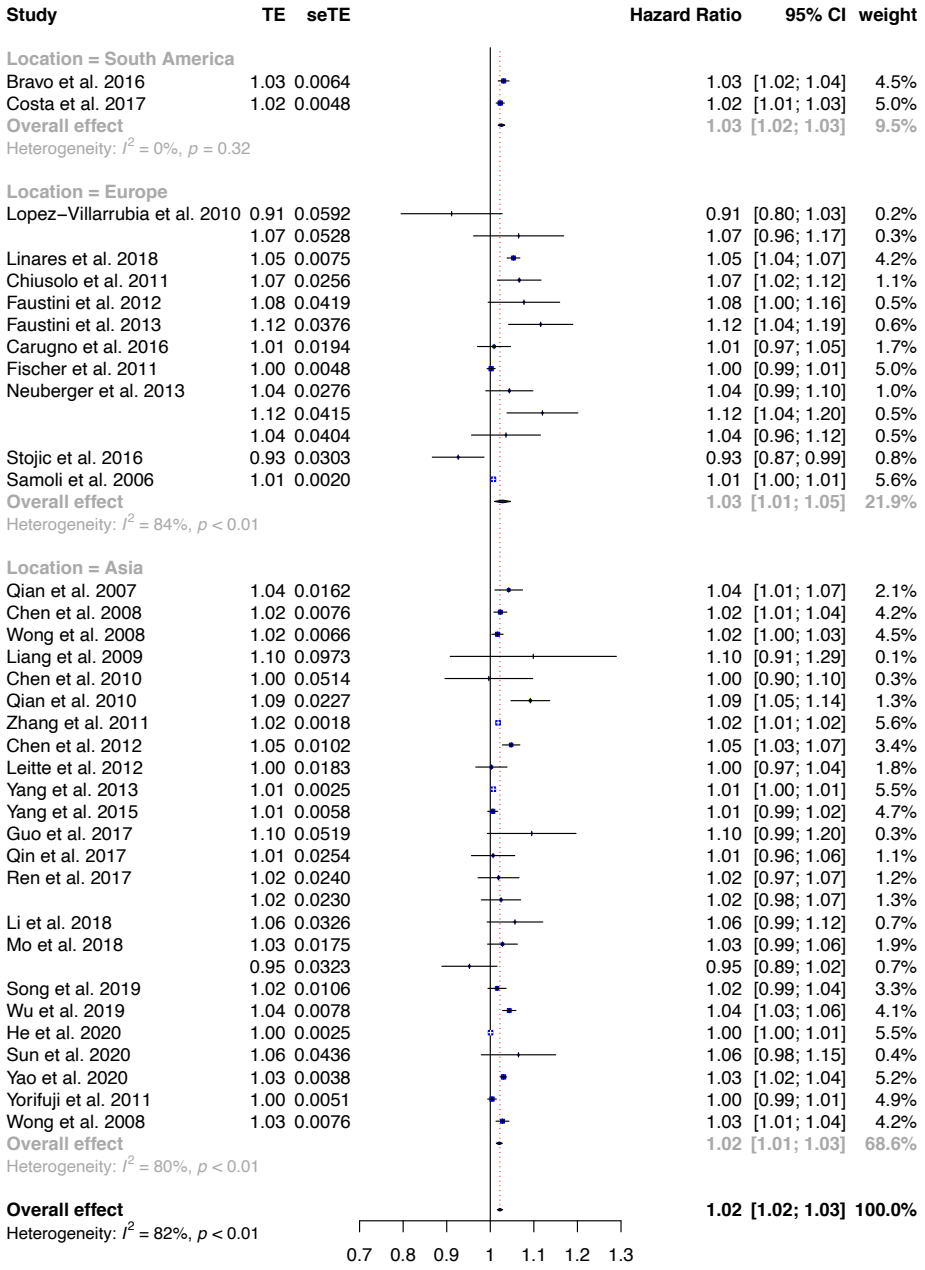
All included studies providing single-pollutant model estimates for meta-analysis for all-cause mortality in the study type stratification



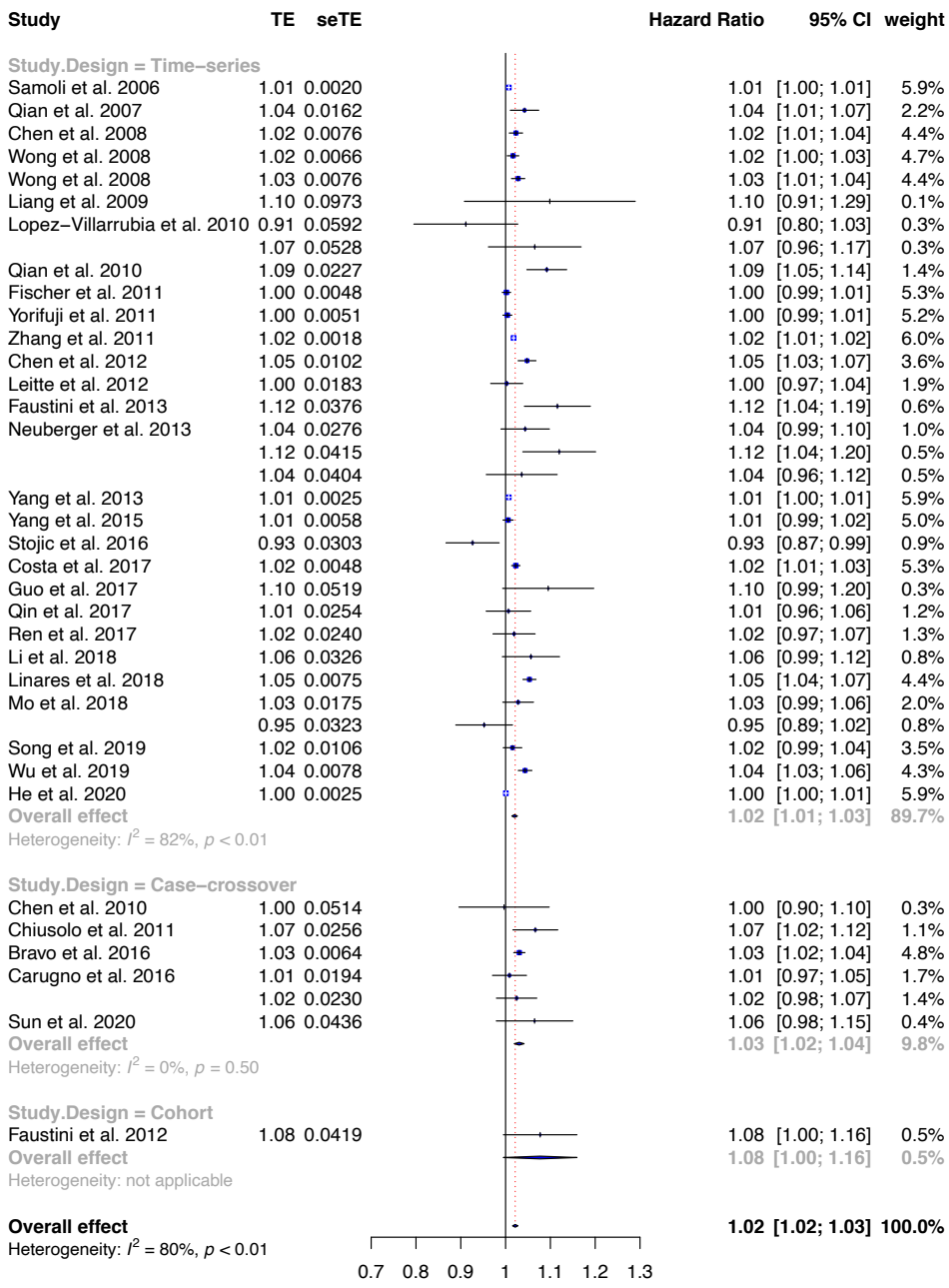
All included studies providing single-pollutant model estimates for meta-analysis for cardiovascular mortality in the regional stratification



All included studies providing single-pollutant model estimates for meta-analysis for cardiovascular mortality in the study type stratification

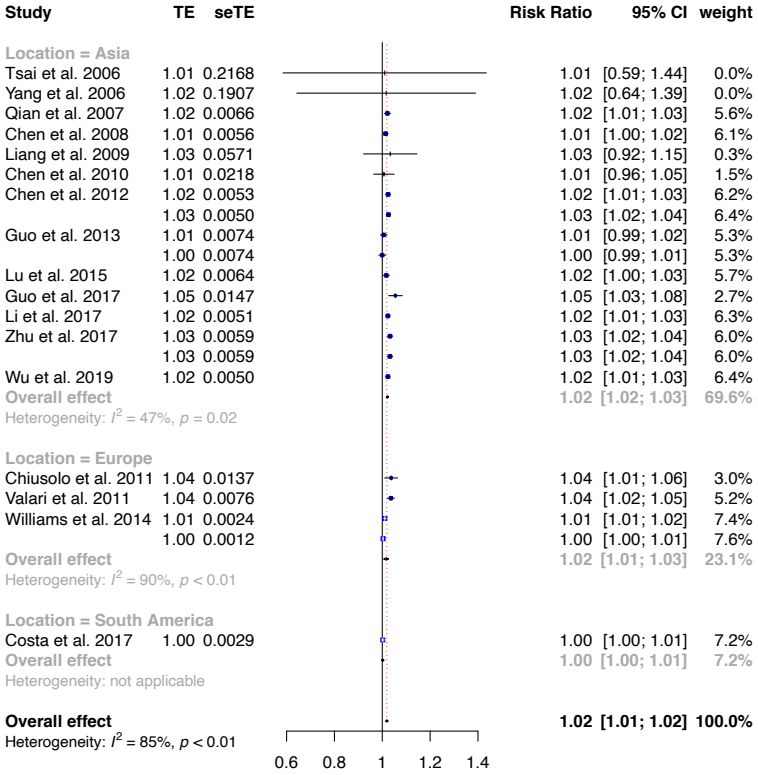


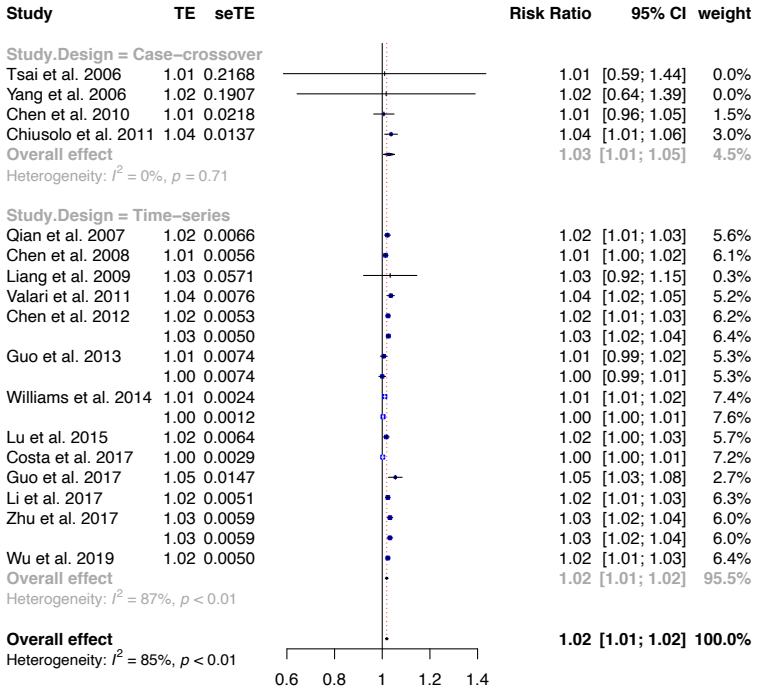
All included studies providing single-pollutant model estimates for meta-analysis for respiratory mortality in the regional stratification



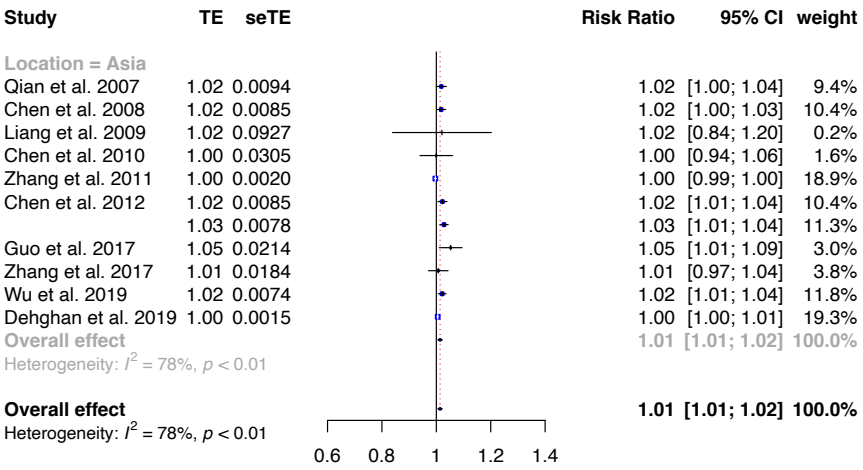
All included studies providing single-pollutant model estimates for meta-analysis for respiratory mortality in the study type stratification

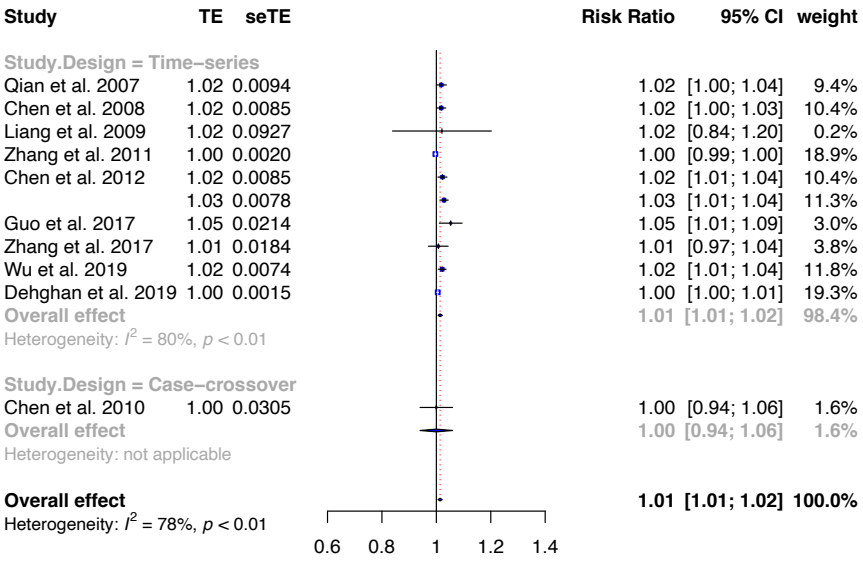
2.2 Multi-pollutant sensitivity analysis



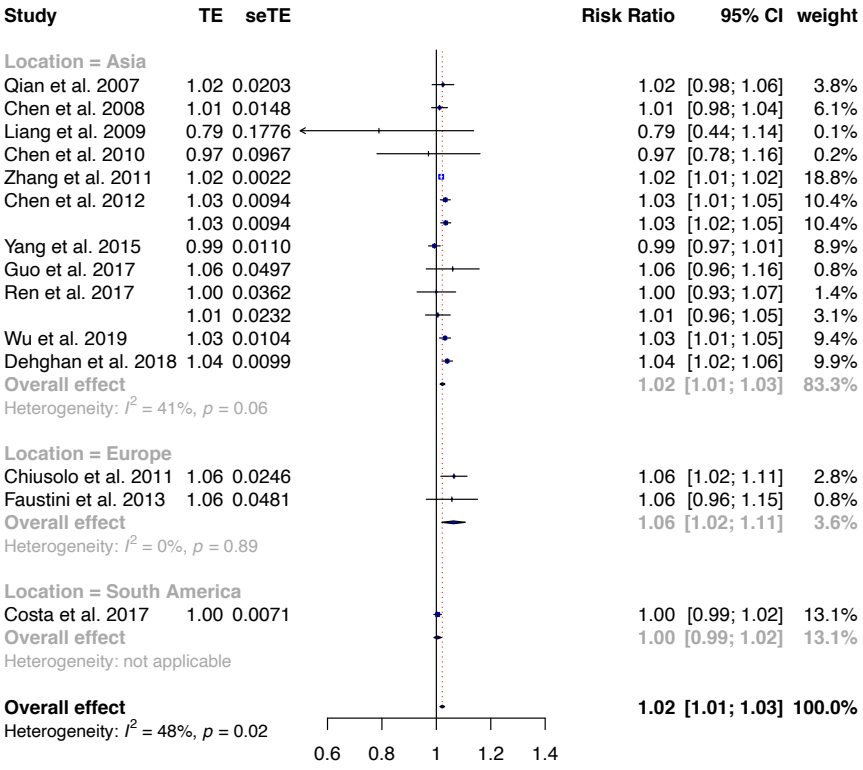


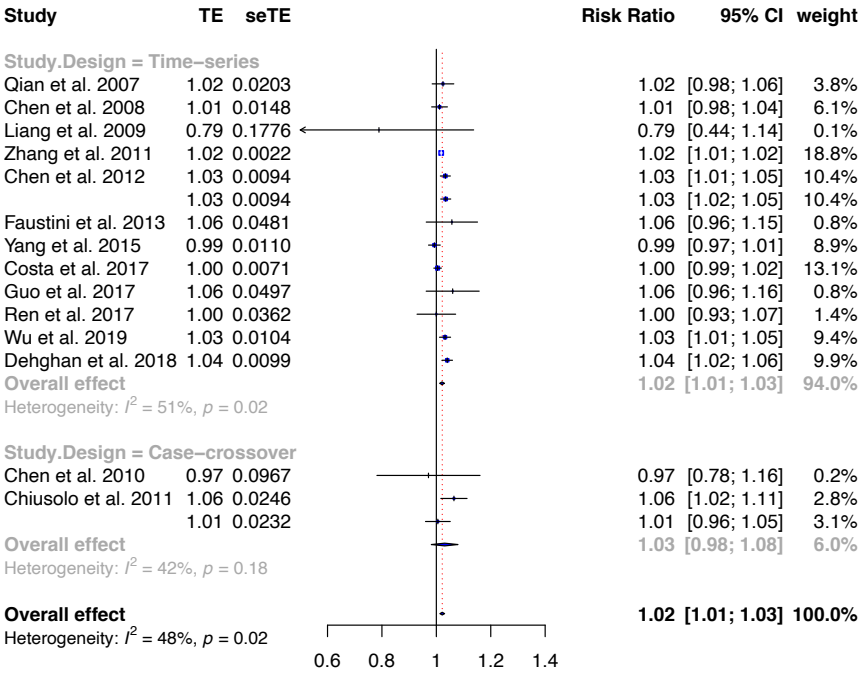
All available studies providing multi-pollutant model estimates for meta-analysis for all-cause mortality in the regional stratification and in the study type stratification





All available studies providing multi-pollutant model estimates for meta-analysis for cardiovascular mortality in the regional stratification and in the study type stratification





All available studies providing single-pollutant model estimates for meta-analysis for respiratory mortality in the regional stratification and in the study type stratification