

Additional file 1. Search Details of Systematic Review

Database	PubMed	
Time Span	2016 until date of search	
Language	English, German	
Species	Human	
Date of Search	28.6.2023	
Outcome	Search String	N Results
Mortality	mortality[TIAB] AND („nitrogen dioxide“ OR „oxides of nitrogen“ OR „nitrogen oxide” OR „nitrogen oxides” OR NO2 OR NOx) AND review*[TIAB]	102
Diabetes	diabetes[TIAB] AND („nitrogen dioxide“ OR „oxides of nitrogen“ OR „nitrogen oxide” OR „nitrogen oxides” OR NO2 OR NOx) AND review*[TIAB]	67
Hypertension	(Hypertension[TIAB] OR hypertonia[TIAB] OR „blood pressure“[TIAB]) AND („nitrogen dioxide“ OR „oxides of nitrogen“ OR „nitrogen oxide” OR „nitrogen oxides” OR NO2 OR NOx) NOT (mice[TI] OR mouse[TI] OR rat[TI] OR rats[TI]) AND review*[TIAB]	61
Cardiac Insufficiency	(„heart failure” OR „cardiac insufficiency” OR „heart insufficiency” OR „cardiac failure”) AND („nitrogen dioxide“ OR „oxides of nitrogen“ OR „nitrogen oxide” OR „nitrogen oxides” OR NO2 OR NOx) AND review*[TIAB]	26
Heart Attack	(infarction[TIAB] OR „heart attack“[TIAB]) AND („nitrogen dioxide“ OR „oxides of nitrogen“ OR „nitrogen oxide” OR „nitrogen oxides” OR NO2 OR NOx) AND review*[TIAB]	14
Ischemic Heart Disease	(„ischemic heart disease” OR „ischaemic heart disease” OR „ischemic cardiac disease” OR „ischaemic cardiac disease” OR „coronary artery disease” OR „coronary heart disease” OR „ischemic heart diseases” OR „ischaemic heart diseases” OR „ischemic cardiac diseases” OR „ischaemic cardiac diseases” OR „coronary artery diseases” OR „coronary heart diseases”) AND („nitrogen dioxide“ OR „oxides of nitrogen“ OR „nitrogen oxide” OR „nitrogen oxides” OR NO2 OR NOx) AND review*[TIAB]	16
Stroke	(stroke[TIAB] OR apoplexy[TIAB]) AND („nitrogen dioxide“ OR „oxides of nitrogen“ OR „nitrogen oxide” OR „nitrogen oxides” OR NO2 OR NOx) AND review*[TIAB]	27
Lung Cancer	(„lung cancer”[TIAB] OR „pulmonary cancer”[TIAB] OR „bronchial carcinoma” [TIAB]) AND („nitrogen dioxide“ OR „oxides of nitrogen“ OR „nitrogen oxide” OR „nitrogen oxides” OR NO2 OR NOx) AND review*[TIAB]	23
Asthma / Bronchitis / COPD	(asthma[TIAB] OR bronchitis[TIAB] OR „chest cold”[TIAB] OR bronchiolitis[TIAB] OR „chronic obstructive”[TIAB] OR COPD[TIAB] OR COAD[TIAB]) AND („nitrogen dioxide“ OR „oxides of nitrogen“ OR „nitrogen oxide” OR „nitrogen oxides” OR NO2 OR NOx) NOT (mice[TI] OR mouse[TI] OR rat[TI] OR rats[TI] OR murine[TI]) AND review*[TIAB]	70
Sum		406

Detailed information on database, filters and search strings used and number of results.