

## Supplementary Figure S1

### Example of full search strategy from NCBI Pubmed search

("Lung function" OR "pulmonary function" OR "FEV1" OR "forced expiratory volume" OR "FVC" OR "forced vital capacity" OR "vital capacity" OR "spirometry" OR "spirometer" OR "bronchial provocation" OR "bronchial provocation test" OR "vitalograph")

**AND** ("Endotoxin" OR "endotoxins" OR "dust" OR "dusts" OR "agriculture" OR "farmer" OR "farmers" OR "farms" OR "farming" OR "livestock" OR "organic dust" OR "organic dusts" OR "wood" OR "wood dust" OR "pine" OR "pine wood" OR "western red cedar" OR "beech" OR "beech wood" OR "birch" OR "birch wood" OR "oak" OR "oak wood" OR "waste loaders" OR "waste workers" OR "compost workers" OR "wheat" OR "wheat flour" OR "flour" OR "baker" OR "bakers" OR "grain" OR "grain dust" OR "microbial exposure" OR "microbial agents" OR "woodworker" OR "woodworkers" OR "millworkers" OR "mill workers" OR "sawmill" OR "sawmills")

**AND** ("longitudinal" OR "follow-up" OR "follow up" OR "prospective" OR "cohort") = 807 records

To avoid catching author names (i.e. Baker, Wood etc.):

**NOT** "searchword"[Author] = 807 – 65 = **742 records**

**AND** "humans"[MeSH Terms] **AND** English[lang] = 742 – 105 = 637 records.

But because MESH Terms are not assigned immediately for each article, some of the newest articles are lost in this search. The final search included was therefore the above resulting in **742 records** in Pubmed.