

## Literature search strategy

Databases searched:

PubMed, Register of Controlled Trials (Cochrane CENTRAL), TRIP database, WHO Covid-19 Database, Global Index Medicus, LitCovid, medRxiv, and Google Scholar

Search terms:

In MESH databases:

Ecological and Environmental Phenomena"[Majr] AND ((SARS OR MERS OR SARS-CoV-2 OR viral pneumonia OR ("Respiratory Tract Infections"[Majr]) AND "Virus Diseases"[Majr])) AND ("transmission"[Subheading] OR transmission)

In non-MESH databases:

(seasonality OR season OR seasonal OR weather OR humidity OR wind OR climate OR climatic OR climatological OR ecological OR environment OR environmental OR temperature OR UV OR ultraviolet OR altitude OR summer OR winter OR autumn OR spring OR pollution OR pollutants OR meteorological OR latitude OR spatio-temporal OR tropical OR temperate) AND (bronchitis OR bronchiolitis OR bronchopneumonia OR common cold OR nasopharyngitis OR pleurisy OR pleuropneumonia OR pneumonia OR tonsillitis OR tracheitis OR influenza OR SARS OR MERS OR SARS-CoV-2 OR viral pneumonia)

Search date: 20 November 2022