

Table S1 Search strategies of the current meta-analysis

PubMed

1. "OM-85"[tiab] OR "broncho-vaxom"[tiab] OR "bacterial lysates"[tiab] OR "immunomodulat* agent*"[tiab] 5,553
2. "airway disease"[tiab] OR "asthma"[tiab] OR "chronic obstructive lung disease"[tiab] OR "COPD"[tiab] OR "chronic bronchitis"[tiab] OR "bronchiectasis"[tiab] OR "cystic fibrosis"[tiab] 312,844
3. "acute exacerbation"[tiab] OR "disease flare-up"[tiab] OR "respiratory infection*"[tiab] OR "exacerbation rate"[tiab] OR "hospitalization"[tiab] OR "antibiotic use"[tiab] 253,084
4. #1 AND #2 AND #3 40

Embase

1. OM-85 OR broncho-vaxom OR bacterial lysates OR immunomodulat* agent*:ab,ti 34,666
2. airway disease OR asthma OR chronic obstructive lung disease OR COPD OR chronic bronchitis OR bronchiectasis OR cystic fibrosis:ab,ti 92,491
3. acute exacerbation OR disease flare-up OR respiratory infection* OR exacerbation rat OR hospitalization OR antibiotic use:ab,ti 313,902
4. #1 AND #2 AND #3 14

The Cochrane Central Register

1. OM-85 OR broncho-vaxom OR bacterial lysates OR immunomodulat* agent*: ti,ab,kw 6,361
2. airway disease OR asthma OR chronic obstructive lung disease OR COPD OR chronic bronchitis OR bronchiectasis OR cystic fibrosis: ti,ab,kw 81,185
3. acute exacerbation OR disease flare-up OR respiratory infection* OR exacerbation rat OR hospitalization OR antibiotic use: ti,ab,kw 297,225
4. #1 AND #2 AND #3 114