Ovid MEDLINE(R) ALL <1946 to November 22, 2023>

1 exp Infant, Premature/ or exp Infant, Premature, Diseases/ or Premature Birth/ or exp Infant, Low Birth Weight/ 135708

2 (((pre-matur\* or premature\* or pre-term\* or preterm\* or underweight or lbw) and (neonat\* or new\*-born\* or newborn\* or infan\* or child\* or baby or babies or birth or NICU\*)) or low-birth-weight or low-birthweight or vlbw).ab,bt,kf. 148636

3 1 or 2 205181

4 exp Microbiota/ 78611

5 exp Respiratory System/ 542606

6 exp Mouth/ 321744

7 5 or 6 849753

8 4 and 7 3496

9 ((Lung\* or pulmon\* or mouth\* or buccal or throat\* or airway\* or air-way\* or trache\* or nasal\* or nose\* or rhino\* or bronch\* or laryn\* or pharyn\* or respirat\*) adj5 (microb\* or micro-biot\* or micro-biom\* or microorganism\* or micro-organism\* or microflora or flora\* or bacteri\*)).ab,kf,ti. 32441

10 8 or 9 34356

11 3 and 10 326

Embase (Embase.com) session results (27 Nov 2023)

Results 511

(('pre matur\*':ti,ab,kw OR premature\*:ti,ab,kw OR 'pre term\*':ti,ab,kw OR preterm\*:ti,ab,kw OR underweight:ti,ab,kw OR lbw:ti,ab,kw) AND (neonat\*:ti,ab,kw OR 'new\* born\*':ti,ab,kw OR newborn\*:ti,ab,kw OR infan\*:ti,ab,kw OR child\*:ti,ab,kw OR baby:ti,ab,kw OR babies:ti,ab,kw OR birth\*:ti,ab,kw OR nicu\*:ti,ab,kw) OR 'low birth weight':ti,ab,kw OR 'low birthweight':ti,ab,kw OR vlbw:ti,ab,kw OR 'prematurity'/exp OR 'low birth weight'/exp) AND ('mouth flora'/exp OR 'lung microbiota'/exp OR (((lung\* OR pulmon\* OR mouth\* OR buccal OR throat\* OR airway\* OR 'air way\*' OR trache\* OR nasal\* OR nose\* OR rhino\* OR bronch\* OR laryn\* OR pharyn\* OR respirat\*) NEAR/5 (microb\* OR 'micro biot\*' OR 'micro biom\*' OR microorganism\* OR 'micro organism\*' OR microflora OR flora\* OR bacteri\*)):ti,ab,kw)) 511

Web of science, 27/11/2023

159 record

((Lung\* or pulmon\* or mouth\* or buccal or throat\* or airway\* or air-way\* or trache\* or nasal\* or nose\* or rhino\* or bronch\* or laryn\* or pharyn\* or respirat\* ) near/5 (microb\* or micro-biot\* or micro-biom\* or microorganism\* or micro-organism\* or microflora or flora\* or bacteri\*)) (Topic) and (((pre-matur\* OR premature\* OR pre-term\* OR preterm\* OR underweight OR lbw) AND (neonat\* OR new\*-born\* OR newborn\* OR infan\* OR child\* OR baby or babies OR birth OR NICU\*)) OR low-birth-weight OR low-birthweight OR vlbw) (Topic) and Preprint Citation Index (Exclude – Database) and MEDLINE® (Exclude – Database)

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| Cinahl via Ebsco Host 27/11/2023 | Monday, November 27, 2023 2:36:19 PM |

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| **#** | **Query** | **Results** |
| S11 | S3 AND S10 | 127 |
| S10 | S8 OR S9 | 6,157 |
| S9 | TI ( ((Lung\* or pulmon\* or mouth\* or buccal or throat\* or airway\* or air-way\* or trache\* or nasal\* or nose\* or rhino\* or bronch\* or laryn\* or pharyn\* or respirat\*) n4 (microb\* or micro-biot\* or micro-biom\* or microorganism\* or micro-organism\* or microflora or flora\* or bacteri\*)) ) OR AB ( ((Lung\* or pulmon\* or mouth\* or buccal or oral or oro\* or throat\* or airway\* or air-way\* or trache\* or nasal\* or nose\* or rhino\* or bronch\* or laryn\* or pharyn\* or respirat\*) n4 (microb\* or micro-biot\* or micro-biom\* or microorganism\* or micro-organism\* or microflora or flora\* or bacteri\*)) ) | 6,082 |
| S8 | S4 AND S7 | 252 |
| S7 | S5 OR S6 | 78,461 |
| S6 | (MH "Mouth+") | 20,522 |
| S5 | (MH "Respiratory System+") | 60,004 |
| S4 | (MH "Microbiota") | 3,113 |
| S3 | S1 OR S2 | 74,379 |
| S2 | TI ( (((pre-matur\* OR premature\* OR pre-term\* OR preterm\* OR underweight OR lbw) AND (neonat\* OR new\*-born\* OR newborn\* OR infan\* OR child\* OR baby or babies OR birth\* OR NICU\*)) OR low-birth-weight OR low-birthweight OR vlbw) ) OR AB ( (((pre-matur\* OR premature\* OR pre-term\* OR preterm\* OR underweight OR lbw) AND (neonat\* OR new\*-born\* OR newborn\* OR infan\* OR child\* OR baby or babies OR birth\* OR NICU\*)) OR low-birth-weight OR low-birthweight OR vlbw) ) | 58,109 |
| S1 | (MH "Infant, Premature+") OR (MH "Infant, Premature, Diseases+") OR (MH "Infant, Low Birth Weight") or (MH "Childbirth, Premature") | 49,863 |