**Supplement Table 1:** Search strategy applied in the databases MEDLINE, Web of Science, and Cochrane Library as well as Google Scholar.

|  |  |  |
| --- | --- | --- |
| **Database** | **Search strategy** | |
| *MEDLINE* | **#1** | **("multiple sclerosis"[All Fields]) OR ("multiple sclerosis"[MeSH Terms])** |
| **#2** | **("breastfeeding"[All Fields]) OR ("breast feeding"[All Fields]) OR ("breast milk"[All Fields]) OR ("maternal"[All Fields]) OR ("perinatal"[All Fields]) OR ("neonatal"[All Fields]) OR ("breast feeding"[MeSH Terms]) OR ("milk, human"[MeSH Terms])** |
| **#3** | **("case-control studies"[MeSH Terms] OR "cohort studies"[MeSH Terms] OR "cross-sectional studies"[MeSH Terms] OR "prospective studies"[MeSH Terms] OR "systematic reviews as topic"[MeSH Terms] OR "meta-analysis as topic"[MeSH Terms] OR "case control study"[All Fields] OR "cohort study"[All Fields] OR "cross sectional study"[All Fields] OR "prospective study"[All Fields] OR "systematic review"[All Fields] OR "meta analysis"[All Fields]) OR ("case-control studies"[MeSH Terms] OR "cohort studies"[MeSH Terms] OR "cross-sectional studies"[MeSH Terms] OR "prospective studies"[MeSH Terms] OR "systematic reviews as topic"[MeSH Terms] OR "meta-analysis as topic"[MeSH Terms] OR "case control study"[All Fields] OR "cohort study"[All Fields] OR "cross sectional study"[All Fields] OR "prospective study"[All Fields] OR "systematic review"[All Fields] OR "meta analysis"[All Fields])** |
| **#4** | **((("multiple sclerosis"[All Fields]) OR ("multiple sclerosis"[MeSH Terms])) AND (("breastfeeding"[All Fields]) OR ("breast feeding"[All Fields]) OR ("breast milk"[All Fields]) OR ("maternal"[All Fields]) OR ("perinatal"[All Fields]) OR ("neonatal"[All Fields]) OR ("breast feeding"[MeSH Terms]) OR ("milk, human"[MeSH Terms]))) AND (("case-control studies"[MeSH Terms] OR "cohort studies"[MeSH Terms] OR "cross-sectional studies"[MeSH Terms] OR "prospective studies"[MeSH Terms] OR "systematic reviews as topic"[MeSH Terms] OR "meta-analysis as topic"[MeSH Terms] OR "case control study"[All Fields] OR "cohort study"[All Fields] OR "cross sectional study"[All Fields] OR "prospective study"[All Fields] OR "systematic review"[All Fields] OR "meta analysis"[All Fields]) OR ("case-control studies"[MeSH Terms] OR "cohort studies"[MeSH Terms] OR "cross-sectional studies"[MeSH Terms] OR "prospective studies"[MeSH Terms] OR "systematic reviews as topic"[MeSH Terms] OR "meta-analysis as topic"[MeSH Terms] OR "case control study"[All Fields] OR "cohort study"[All Fields] OR "cross sectional study"[All Fields] OR "prospective study"[All Fields] OR "systematic review"[All Fields] OR "meta analysis"[All Fields]))** |
| *Web of Science* | **#1** | **(ALL=”multiple sclerosis”)** |
| **#2** | **(ALL=("breastfeeding") OR ALL=("breast feeding") OR ALL=("breast milk") OR ALL=(maternal) OR ALL=(perinatal) OR ALL=(neonatal))** |
| **#3** | **((ALL="case-control study") OR (ALL="cohort study) OR (ALL="cross-sectional study") OR (ALL=”prospective study”) OR (ALL="systematic review") OR (ALL=meta-analysis"))** |
| **#4** | **#1 AND #2 AND #3** |
| *Cochrane Library* | **#1** | **MeSH descriptor: [Multiple Sclerosis] explode all trees** |
| **#2** | **"multiple sclerosis”** |
| **#3** | **#1 OR #2** |
| **#4** | **MeSH descriptor: [Breast Feeding] explode all trees** |
| **#5** | **MeSH descriptor: [Milk, Human] explode all trees** |
| **#6** | **Breastfeeding** |
| **#7** | **"breast feeding"** |
| **#8** | **"breast milk"** |
| **#9** | **maternal** |
| **#10** | **Neonatal** |
| **#11** | **Perinatal** |
| **#12** | **#4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11** |
| **#13** | **MeSH descriptor: [Case-Control Studies] explode all trees** |
| **#14** | **MeSH descriptor: [Cohort Studies] explode all trees** |
| **#15** | **MeSH descriptor: [Cross-Sectional Studies] explode all trees** |
| **#16** | **MeSH descriptor: [Prospective Studies] explode all trees** |
| **#17** | **MeSH descriptor: [Systematic Reviews as Topic] explode all trees** |
| **#18** | **MeSH descriptor: [Meta-Analysis as Topic] explode all trees** |
| **#19** | **"case-control study"** |
| **#20** | **"cohort study"** |
| **#21** | **"cross-sectional study"** |
| **#22** | **"prospective study"** |
| **#23** | **"systematic review"** |
| **#24** | **"meta-analysis"** |
| **#25** | **#13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24** |
| **#26** | **#3 AND #12 AND #25** |
| *Google Scholar* | **#1** | (“multiple sclerosis”) AND (“breastfeeding” OR “breast feeding” OR “breast milk” OR “human milk” OR “maternal” OR “perinatal” OR “neonatal”) AND (“case-control study” OR “cohort study” OR “cross-sectional study” OR “prospective study” OR “systematic review” OR “meta-analysis”) |