# S1 Table. Search strategy for electronic databases and e-journals

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| **Electronic databases (inception to June 2019)** |
| **Medline and Embase** | 1. exp Pregnancy/ or pregnan$.mp. 2. exp Mother/ 3. matern$.mp. 4. (preconception or pre-conception).mp.5. (pregravid or pre-gravid).mp. 6. (prepregnancy or pre-pregnancy).mp. 7. 1 or 2 or 3 or 4 or 5 or 6 8. exp Bariatric Surgery/ or bariatric surgery.mp. 9. (weight loss surgery or obesity surgery).mp.10. (gastric bypass or RYGB).mp.11. (sleeve gastrectomy or gastroplasty or gastric sleeve).mp. 12. (gastric band\* or LAGB).mp. 13. (biliopancreatic diversion or BPD or duodenal switch).mp.14. 8 or 9 or 10 or 11 or 12 or 13 15. exp fetal death/ or exp stillbirth/ or exp perinatal death/ 16. exp Fetal Mortality/ or exp Infant Mortality/ or exp Perinatal Mortality/ 17. exp Abortion, Spontaneous/ 18. (miscarriage or fetal loss).mp. 19. exp "congenital, hereditary, and neonatal diseases and abnormalities"/ or exp congenital abnormalities/ or exp fetal diseases/ or exp genetic diseases, inborn/ or exp infant, newborn, diseases/ 20. exp Heart Defects, Congenital/ 21. (congenital anomalies or birth defect\*).mp. 22. exp Neural Tube Defects/ 23. exp Cleft Palate/ 24. f\*etal.mp. 25. $natal.mp. 26. exp Infant/ 27. (newborn\* or obstetric\* or outcome\*).mp. or child/ 28. 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 29. 7 and 14 and 28 |
| **PsycINFO** | 1. pregnan$.mp. 2. mother\*.mp. 3. matern$.mp. 4. (preconception or pre-conception).mp. 5. (pregravid or pre-gravid).mp. 6. (prepregnancy or pre-pregnancy).mp. 7. 1 or 2 or 3 or 4 or 5 or 6 8. bariatric surgery.mp. 9. (weight loss surgery or obesity surgery).mp. 10. (gastric bypass or RYGB).mp. 11. (sleeve gastrectomy or gastroplasty or gastric sleeve).mp. 12. (gastric band\* or LAGB).mp. 13. (biliopancreatic diversion or BPD or duodenal switch).mp. [ 14. 8 or 9 or 10 or 11 or 12 or 13 15. (fetal death or stillbirth or perinatal death).mp. 16. (fetal mortality or infant mortality or perinatal mortality).mp. 17. spontaneous abortion.mp. 18. (miscarriage or fetal loss).mp. 19. (congenital abnormalit$ or fetal abnormalit$ or congenital disease\* or neonatal disease\* or fetal disease\*).mp. 20. congenital heart defect\*.mp. 21. (congenital anomalies or birth defect\*).mp. 22. neural tube defect\*.mp. 23. (cleft palate or cleft lip).mp. 24. f\*etal.mp. 25. $natal.mp. 26. (infant or child).mp.27. (newborn\* or obstetric\* or outcome\*).mp. 28. 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 29. 7 and 14 and 28 |
| **CINAHL** | 1. TX pregnan\* OR TX mother\* OR TX matern\*2. TX bariatric surgery OR TX weight loss surgery OR TX obesity surgery OR TX gastric bypass OR TX gastric band\* OR TX sleeve OR TX biliopancreatic diversion OR TX LAGB OR TX RYGB3. TX death OR TX mortality OR TX newborn\* OR TX fetal OR TX congenital OR TX stillbirth OR TX miscarriage OR TX defect\* OR TX perinatal OR TX obstetric OR TX neonat\* OR TX outcome\* OR TX birth4. 1 and 2 and 3 |
| **Scopus** | (ALL (pregnan\* OR mother\* OR matern\*)) AND (ALL (bariatric surgery OR weight loss AND surgery OR gastric bypass OR gastric band\* OR sleeve OR biliopancreatic diversion OR lagb OR rygb)) AND (ALL (death OR mortality OR newborn\* OR fetal OR congenital OR stillbirth OR miscarriage OR defect\* OR perinatal OR obstetric or neonat\* OR outcome\* OR birth)) |
| **Google Scholar** | (pregnancy or neonatal or obstetric) AND (outcome) AND (bariatric surgery or bypass or sleeve or biliopancreatic or banding) |
| **Electronic journals (inception to June 2019)** |
| **Obstetrics and Gynaecology****American Journal of Obstetrics and Gynaecology****British Journal of Obstetrics and Gynaecology** | bariatric surgeryRYGBRoux-en-Y gastric bypassLAGBgastric bandbiliopancreatic diversionsleeve gastrectomy |
| **Obesity Surgery****Surgery for Obesity and Related Diseases** | pregnancyneonatalperinatalfetalobstetricbirthmaternalmotherbabychild |