Appendix 1. Search Strategy.

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| **Database** | **Strategy** | **Records retrieved** |
| **Medline**  **(OVID)**  **1946-** | (Contraceptive Agents, Female/ OR exp Contraceptives, Oral/ OR exp Intrauterine Devices, Medicated/) OR ((Levonorgestrel/ OR Ethinyl Estradiol-Norgestrel Combination/ OR exp Progesterone/ OR exp Progestins/) and (contracept\* OR birth control).ti,ab,kf,hw.) OR ((progest\* OR Levonorgestrel OR ethinylestradiol OR estradiol OR Norgestrel OR etonogestrel OR oral OR pill OR tablet OR hormon\* OR steroid OR inject\* OR depo\* OR medroxyprogesterone OR dmpa OR net-en OR norethisterone enanthate OR patch\* OR transdermal OR implant\* OR long acting OR intravaginal OR intra-vaginal OR ring\* OR post coital OR postcoital) AND (contracept\* OR birth control)).ti,ab,kf,hw. OR (norplant\* OR (intrauterine ADJ2 device\*) OR (intra-uterine ADJ2 device\*) OR (intrauterine ADJ2 contracept\*) OR (intrauterine ADJ2 system\*) OR (intra-uterine ADJ2 contracept\*) OR (intra-uterine ADJ2 system\*) OR LNG-IUS OR IUD? OR IUS OR IUCD? OR ((intravaginal OR intra-vaginal OR vaginal) ADJ2 ring\*)).ti,ab,kf,hw.  AND  ((post-partum ADJ3 depression) OR (postpartum ADJ3 depression) OR (postnatal ADJ3 depression) OR (post-natal ADJ3 depression) OR (puerperium ADJ3 depression) OR (maternal ADJ3 depression) OR (puerperal ADJ3 depression) OR (childbirth ADJ3 depression)) | 55 |
| **Embase**  **(OVID)**  **1947-** | (Contraceptive Agent/ OR exp oral contraceptive agent/ OR exp intrauterine contraceptive device/ OR injectable contraceptive agent/ or postcoitus contraceptive agent/) OR ((Levonorgestrel/ OR Ethinyl Estradiol-Norgestrel Combination/ OR exp Progesterone/ OR exp Progestins/) and (contracept\* OR birth control).ti,ab.) OR ((progest\* OR Levonorgestrel OR ethinylestradiol OR estradiol OR Norgestrel OR etonogestrel OR oral OR pill OR tablet OR hormon\* OR steroid OR inject\* OR depo\* OR medroxyprogesterone OR dmpa OR net-en OR norethisterone enanthate OR patch\* OR transdermal OR implant\* OR long acting OR intravaginal OR intra-vaginal OR ring\* OR post coital OR postcoital) AND (contracept\* OR birth control)).ti,ab. OR (norplant\* OR (intrauterine ADJ2 device\*) OR (intra-uterine ADJ2 device\*) OR (intrauterine ADJ2 contracept\*) OR (intrauterine ADJ2 system\*) OR (intra-uterine ADJ2 contracept\*) OR (intra-uterine ADJ2 system\*) OR LNG-IUS OR IUD? OR IUS OR IUCD? OR ((intravaginal OR intra-vaginal OR vaginal) ADJ2 ring\*)).ti,ab.  AND  ((post-partum ADJ3 depression) OR (postpartum ADJ3 depression) OR (postnatal ADJ3 depression) OR (post-natal ADJ3 depression) OR (puerperium ADJ3 depression) OR (maternal ADJ3 depression) OR (puerperal ADJ3 depression) OR (childbirth ADJ3 depression)) | 130  -38 duplicate records  =92 unique records |
| **CINAHL**  **(Ebsco)** | ((MH "Contraceptive Agents, Female") OR (MH "Contraceptives, Oral") OR (MH "Intrauterine Devices, Medicated")) OR (((MH Levonorgestrel) OR (MH "Ethinyl Estradiol-Norgestrel Combination") OR (MH Progesterone) OR (MH Progestins)) and (contracept\* OR “birth control”)) OR ((progest\* OR Levonorgestrel OR ethinylestradiol OR estradiol OR Norgestrel OR etonogestrel OR oral OR pill OR tablet OR hormon\* OR steroid OR inject\* OR depo\* OR medroxyprogesterone OR dmpa OR net-en OR “norethisterone enanthate” OR patch\* OR transdermal OR implant\* OR “long acting” OR intravaginal OR intra-vaginal OR ring OR “post coital” OR postcoital) AND (contracept\* OR “birth control”)) OR ((intrauterine N2 device\*) OR (intra-uterine N2 device\*) OR (intrauterine N2 contracept\*) OR (intrauterine N2 system\*) OR (intra-uterine N2 contracept\*) OR (intra-uterine N2 system\*) OR LNG-IUS OR IUD? OR IUS OR IUCD? OR ((extrauterine OR “extra uterine”) N2 coil\*) OR ((intravaginal OR intra-vaginal OR vaginal) N2 ring\*))  AND  ((post-partum N3 depression) OR (postpartum N3 depression) OR (postnatal N3 depression) OR (post-natal N3 depression) OR (puerperium N3 depression) OR (maternal N3 depression) OR (puerperal N3 depression) OR (childbirth N3 depression)) | 15  -10 duplicates  =5 unique records |
| **PsycINFO**  **(OVID)**  **1967-** | (Birth Control/ OR exp Oral Contraceptives/ OR exp Intrauterine Devices/) OR (exp Progesterone/ and (contracept\* OR birth control)) OR ((progest\* OR Levonorgestrel OR ethinylestradiol OR estradiol OR Norgestrel OR etonogestrel OR oral OR pill OR tablet OR hormon\* OR steroid OR inject\* OR depo\* OR medroxyprogesterone OR dmpa OR net-en OR norethisterone enanthate OR patch\* OR transdermal OR implant\* OR long acting OR intravaginal OR intra-vaginal OR ring\* OR post coital OR postcoital) AND (contracept\* OR birth control)) OR (norplant\* OR (intrauterine ADJ2 device\*) OR (intra-uterine ADJ2 device\*) OR (intrauterine ADJ2 contracept\*) OR (intrauterine ADJ2 system\*) OR (intra-uterine ADJ2 contracept\*) OR (intra-uterine ADJ2 system\*) OR LNG-IUS OR IUD? OR IUS OR IUCD? OR ((intravaginal OR intra-vaginal OR vaginal) ADJ2 ring\*))  AND  ((post-partum ADJ3 depression) OR (postpartum ADJ3 depression) OR (postnatal ADJ3 depression) OR (post-natal ADJ3 depression) OR (puerperium ADJ3 depression) OR (maternal ADJ3 depression) OR (puerperal ADJ3 depression) OR (childbirth ADJ3 depression)) | 29  -13 duplicates  =16 unique records |
| **Cochrane Library** | ([mh "Contraceptive Agents, Female"] OR [mh "Contraceptives, Oral"] OR [mh "Intrauterine Devices, Medicated"]) OR (([mh Levonorgestrel] OR [mh "Ethinyl Estradiol-Norgestrel Combination"] OR [mh Progesterone] OR [mh Progestins]) and (contracept\* OR “birth control”):ti,ab) OR ((progest\* OR Levonorgestrel OR ethinylestradiol OR estradiol OR Norgestrel OR etonogestrel OR oral OR pill OR tablet OR hormon\* OR steroid OR inject\* OR depo\* OR medroxyprogesterone OR dmpa OR net-en OR “norethisterone enanthate” OR patch\* OR transdermal OR implant\* OR “long acting” OR intravaginal OR intra-vaginal OR ring OR “post coital” OR postcoital) AND (contracept\* OR “birth control”)):ti,ab OR ((intrauterine NEAR/2 device\*) OR (intra-uterine NEAR/2 device\*) OR (intrauterine NEAR/2 contracept\*) OR (intrauterine NEAR/2 system\*) OR (intra-uterine NEAR/2 contracept\*) OR (intra-uterine NEAR/2 system\*) OR LNG-IUS OR IUD? OR IUS OR IUCD? OR ((extrauterine OR “extra uterine”) NEAR/2 coil\*) OR ((intravaginal OR intra-vaginal OR vaginal) NEAR/2 ring\*)):ti,ab  AND  ((post-partum NEAR/3 depression) OR (postpartum NEAR/3 depression) OR (postnatal NEAR/3 depression) OR (post-natal NEAR/3 depression) OR (puerperium NEAR/3 depression) OR (maternal NEAR/3 depression) OR (puerperal NEAR/3 depression) OR (childbirth NEAR/3 depression)) | 5  -5 duplicates  =0 unique records |
| Clinicaltrials.gov | (contraceptive\* AND (post-partum OR postpartum OR postnatal OR post-natal OR puerperium OR puerperal)) | 0 |

Search conducted and records retrieved through 22 March 2018.