**Appendix A: Search strategy used in the review**

Medline in Process

Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily 1946 to March 13, 2019

|  |  |  |
| --- | --- | --- |
| **#** | **Searches** | **Results** |
| 1 | exp obesity/ | 194406 |
| 2 | Weight Gain/ | 29557 |
| 3 | exp Weight Loss/ | 38306 |
| 4 | obes\*.tw. | 267992 |
| 5 | (weight gain or weight loss).tw. | 129949 |
| 6 | (overweight or over weight or overeat\* or over eat\*).tw. | 64049 |
| 7 | weight change\*.tw. | 10229 |
| 8 | ((bmi or body mass index) adj2 (gain or loss or change)).tw. | 4104 |
| 9 | 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 | 440410 |
| 10 | Exercise/ | 97518 |
| 11 | physical inactivity.tw. | 6849 |
| 12 | physical activit\*.tw. | 97336 |
| 13 | Motor Activity/ | 93960 |
| 14 | "Physical Education and Training"/ | 13199 |
| 15 | sedentary.mp. | 30456 |
| 16 | Sports/ | 28811 |
| 17 | sport\*.tw. | 66280 |
| 18 | 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 | 333150 |
| 19 | exp Diet/ | 259985 |
| 20 | (health\* adj2 eat\*).tw. | 7581 |
| 21 | Fruit/ or fruit\*.tw. | 107975 |
| 22 | Vegetables/ or vegetable\*.tw. | 58146 |
| 23 | \*fruit/ and vegetable juices\*/ | 0 |
| 24 | Eating/ | 50296 |
| 25 | dietary intake.tw. | 21817 |
| 26 | Food/ | 31304 |
| 27 | Carbonated Beverages/ or soft drink\*.tw. | 5052 |
| 28 | sweetened drink\*.tw. | 258 |
| 29 | (nutrition\* adj2 program\*).tw. | 5193 |
| 30 | 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 | 460154 |
| 31 | 9 or 18 or 30 | 1098332 |
| 32 | (childcare\* or child care\* or child mind\* or childmind\* or daycare\* or day care\*).mp. | 25871 |
| 33 | early child\*.tw. | 24437 |
| 34 | preschool.mp. | 877965 |
| 35 | preschool child/ | 872791 |
| 36 | "early years".mp. | 3582 |
| 37 | 32 or 33 or 34 or 35 or 36 | 909215 |
| 38 | (family or home based or homebased or "in home").mp. | 945735 |
| 39 | 37 and 38 | 59526 |
| 40 | randomized controlled trial.pt. | 477524 |
| 41 | controlled clinical trial.pt. | 92960 |
| 42 | clinical trials as topic.sh. | 186217 |
| 43 | trial\*.tw. | 928200 |
| 44 | double blind.tw. | 132746 |
| 45 | single blind.tw. | 12624 |
| 46 | experiment\*.tw. | 1899488 |
| 47 | (pretest or pre test).tw. | 17267 |
| 48 | (posttest or post test).tw. | 18690 |
| 49 | (pre post or prepost).tw. | 9515 |
| 50 | before after.tw. | 4564 |
| 51 | qua?i randomi?ed.tw. | 3891 |
| 52 | stepped wedge.tw. | 605 |
| 53 | (non random?ed or nonrandomi?ed).tw. | 11535 |
| 54 | interrupted time series.tw. | 2411 |
| 55 | multiple baseline.tw. | 1853 |
| 56 | regression discontinuity.tw. | 248 |
| 57 | comprehensive cohort.tw. | 103 |
| 58 | random\*.ab. | 1005199 |
| 59 | intervention.tw. | 526794 |
| 60 | 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56 or 57 or 58 or 59 | 3914349 |
| 61 | 31 and 39 and 60 | 1078 |