Appendix 1

The search terms

*For research question 1 and 2:*

Calcium; Dietary/dietary calcium/ calcium intake/ nutritional calcium; Pregnancy; Child Development; Growth; Bone and Bones; Bone Development; Fractures; Bone; Bone Density; Osteoporosis; Muscle Strength; Neoplasms; Autoimmunity; Diabetes Mellitus/ Type 2/ Metabolic Syndrome X; Multiple Sclerosis; Body Weight; Mortality/ mortality; Blood Pressure; Cardiovascular Diseases; Autoimmune Diseases; pregnan\* / gestation\* /bone mineral content/ bone health/ bone mass/ bone quality/ osteoporosis / osteoporotic /vertebral fracture/vertebral fractures;

cancer\* / tumor / tumors /tumour\* / autoimmun\* / diabet\* / obes\* / overweight / weight control/

cochrane database syst rev; Randomized Controlled Trial; Randomized Controlled Trials as Topic; Cohort Studies; Intervention Studies; Meta-Analysis; Meta-Analysis as Topic; Review/ Review Literature as Topic/ randomized controlled/ randomised controlled/ meta-analysis / review\*

*For research question 3:*

Calcium; Dietary; Calcium/ dietary calcium/ calcium intake/ nutritional calcium; Dietary Supplements/ dietary supplement/ dietary supplements/ dietary supplementation/ dietary supplementations/ supplemented food/ supplemented foods/ food supplement/ food supplements/ food supplementation/ food supplementations; Calcium Carbonate; Calcium Citrate; Calcium Chloride; Calcium Phosphates/ supplemental calcium/ Ca supplementation/ Ca supplementations /Calcium supplementation/ Calcium supplementations/ calcium supplement/calcium supplements; Pregnancy; Child Development; Growth; Bone and Bones; Bone Development; Fractures/ Bone/ Bone Density; Osteoporosis; Muscle Strength; Neoplasms; Autoimmunity; Diabetes Mellitus/ Type 2; Metabolic Syndrome X; Multiple Sclerosis; Body Weight; Mortality/ mortality; Blood Pressure; Cardiovascular Diseases; Autoimmune Diseases; regnan\* / gestation\* /bone mineral content/bone health/bone mass/ bone quality/ osteoporosis / osteoporotic /vertebral fracture/ vertebral fractures;

cancer\* / tumor / tumors / tumour\* / autoimmun\* / diabet/ obes\* / overweight /weight control;

cochrane database syst rev; Randomized Controlled Trial; Randomized Controlled Trials as Topic; Cohort Studies; Intervention Studies; Meta-Analysis; Meta-Analysis as Topic; Review; Review Literature as Topic/randomized controlled/randomised controlled/ meta-analysis / review\*

*For research question 4:*

Calcium/ dietary.mesh/dietary calcium/calcium intake/nutritional calcium/dietary supplements.mesh /supplemental calcium; CA supplementation; CA supplementations/calcium supplementation/calcium supplementations/ CA supplement/CA supplements/calcium supplement/ calcium supplements/Calcium Carbonate; Calcium Citrate; Calcium Chloride; Calcium Phosphates; Calcium/metabolism; Calcium Metabolism Disorders/calcium metabolism/Calcium/ Dietary/metabolism; cochrane database syst rev ;Randomized Controlled Trial; Randomized Controlled Trials as Topic; Cohort Studies; Intervention Studies "Meta-Analysis; Meta-Analysis as Topic; Review; Review Literature as Topic/randomized controlled/randomised controlled/ meta-analysis / review\*

*For research question 5:*

Dietary calcium/calcium intake/nutritional calcium; Calcium, Dietary; Dietary Supplements; Calcium/ calcium /supplemental calcium/CA supplementation/CA supplementations/ calcium supplementation/ calcium supplementations/CA supplement/CA supplements/calcium supplement/ calcium supplements; Calcium Carbonate; Calcium Citrate; Calcium Chloride; Calcium Phosphates; Iron, Dietary/iron intake/iron status/dietary iron; Iron/blood/iron/ iron /nutritional status; Dietary Supplements; Iron/deficiency; Anemia; Iron-Deficiency; Iron-Binding Proteins; Iron Metabolism Disorders/supplemental iron

*For research question 6:*

Calcium Compounds/administration and dosage; Calcium/administration and dosage/ calcium intake; Maximum Tolerated Dose; Dose-Response Relationship, Drug; No-Observed-Adverse-Effect Level; Risk Assessment; Safety; Drug Tolerance/ tolerable upper intake level/ tolerable dose/ tolerable doses/ tolerated dose/ tolerated doses/ upper safe limit of consumption/ upper safe limits of consumption

*For research question - adverse effects:*

Calcium Compounds/adverse effects; Calcium compounds/poisoning; Calcium Compounds/toxicity; Calcium/adverse effects; Calcium/agonists/ Calcium/poisoning; Calcium/toxicity/; Randomized Controlled Trial

*List of health outcomes*

* Pregnancy outcomes and growth
* Bone health
  + All fractures
    - Hip fractures
    - Vertebral fractures
  + Bone mineral density/ osteoporosis
  + Bone mass
  + Bone quality
* Muscle strength
* All cancers
* Breast cancer
* Colorectal cancer
* Prostate cancer
* Autoimmune diseases
* Diabetes type II
* Obesity/weight control
* Total mortality
* Cardiovascular disease clinical outcomes