

SUPPLEMENTARY APPENDIX 4: ACR 2016 Glucocorticoid-induced Osteoporosis Guideline Search Strategies

OVID Medline, Pubmed, OVID Embase, Cochrane Library

GIOP OVID Medline Search Strategy – October 6, 2015; updated April 23, 2016

Syntax Guide for OVID Medline	
/ = At the end of a word or phrase means that it is searched as a subject heading	Exp = A command to retrieve all narrower MeSH
Adj = Adjacency; terms are adjacent to each other, in either direction ; adj2 = terms are within 2 words of each other, in either direction	\$ = truncation symbol
Limit = Command to limit results to age groups, years, language, etc.	In process = Records that are electronically submitted and have gone through the second record-level review, i.e. do not contain all indexing, for example.
.ti,ab. = Word or phrase is searched for in the title and abstract	.tw.. = textword; in Medline, indexed words from title, abstract
.kw. = keyword heading field contains the keyword headings assigned by indexers, keyword headings are the author keywords	.ci. = chemically induced (Medical Subject Heading subheading); .de. = drug effects
.fs. = free-floating Medical Subject Heading [MeSH] subheading, i.e. attached to any MeSH in the record	
Boolean Operators	
OR = retrieves results that include at least one of the search terms	AND = retrieves results that include all the search terms
NOT = excludes the retrieval of terms from the search	

Database: Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

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- 1 exp Glucocorticoids/
 - 2 exp Steroids/
 - 3 (glucocorticoid\$ or steroid\$ or methylprednisilone or prednisone or prednisolone).tw,kw.
 - 4 or/1-3
 - 5 exp Osteoporosis/
 - 6 exp Bone Diseases, Metabolic/ci or (exp Bone Diseases, Metabolic/ and ci.fs.
 - 7 exp Bone Diseases/ci
 - 8 exp Bone Resorption/
 - 9 exp "Bone and Bones"/de

10 bone resorption.tw,kw.
11 (osteop?enia or osteoporos).tw,kw.
12 exp Fractures, Bone/
13 fracture\$.tw,kw.
14 Bone Density/
15 (bone adj (density or mass or mineral\$ or demineral\$ or loss or decalcif\$ or strength)).tw,kw.
16 BMD.tw,kw.
17 exp Densitometry/
18 (densitometry or dexa or dxa).tw,kw.
19 (fracture adj2 (assessment or reassessment or re-assessment)).tw,kw.
20 (FRAX or VFA).tw,kw.
21 "T score".tw,kw.
22 "x-ray absorptiometry".tw,kw.
23 or/5-22
24 4 and 23
25 exp Calcium Compounds/
26 Calcium/
27 calcium.tw,kw.
28 or/25-27
29 exp Vitamin D/
30 ("Vitamin D\$" or cholecalciferol\$ or hydroxycholecalciferol\$ or calcifediol\$ or dihydroxycholecalciferol\$ or calcitriol\$).tw,kw.
31 (ergocalciferol\$ or dihydrotachysterol\$ or rocaltrol\$).tw,kw.
32 ("25-Hydroxyvitamin D 2" or "24,25-Dihydroxyvitamin D 3" or "1,25-dihydroxyvitamin D3" or "25-dihydroxyvitamin D3").tw,kw.
33 ("1,25-dihydroxycholecalciferol" or "25-dihydroxycholecalciferol").tw,kw.
34 or/29-33
35 28 and 34
36 24 and 35
37 (lifestyle adj (modif\$ or change\$)).tw,kw.
38 exp exercise/
39 exp sports/
40 resistance training/
41 physical fitness/
42 (strengthen\$ or isometric\$ or isotonic\$ or isokinetic\$ or aerobic\$ or physical fitness or weight bearing or weight lifting).tw,kw.

43 accidental falls/ and (risk assessment/ or risk factors/
44 (fall\$ adj (risk assess\$ or risk profile)).tw,kw.
45 (fall adj (risk screening or risk index)).tw,kw.
46 smoking cessation/
47 "tobacco use cessation".tw,kw.
48 alcohol drinking/
49 (alcohol adj2 (reduct\$ or moderat\$)).tw,kw.
50 Sunlight/
51 (exposure adj sun\$).tw,kw.
52 (nutritional sciences/ or dietetics/) and exp Counseling/
53 ((diet\$ or nutrition\$) adj counsel?ing).tw,kw.
54 or/37-52
55 exp Diphosphonates/
56 bisphosphonate\$.tw,kw.
57 Alendronate/
58 alendronate\$.tw,kw.
59 Fosamax.tw.
60 risedronate\$.tw,kw.
61 Actonel.tw,kw.
62 Atelvia.tw,kw.
63 ibandronate\$.tw,kw.
64 Boniva.tw,kw.
65 zoledronic acid.tw,kw.
66 (Reclast or Zometa).tw,kw.
67 Raloxifene/
68 raloxifene.tw,kw.
69 Evista.tw,kw.
70 Teriparatide/
71 teriparatide.tw,kw.
72 Forteo.tw,kw.
73 denosumab.tw,kw.
74 or/54-73
75 (24 and 35) or (24 and 35 and 74)
76 12 or 13
77 risk assessment/ or (risk assess\$ or risk reassess\$ or risk profile\$ or risk index).tw,kw.
78 76 and 77
79 or/17-18,20-22

- 80 77 and 79
- 81 19 or 78 or 80
- 82 4 and 81
- 83 75 or 82
- 84 exp animals/ not humans.sh.
- 85 83 not 84
- 86 limit 85 to english language
- 87 limit 86 to case reports
- 88 limit 86 to comment
- 89 limit 86 to editorial
- 90 limit 86 to letter
- 91 limit 86 to newspaper article
- 92 or/87-91
- 93 86 not 92
- 94 limit 83 to in process
- 95 93 or 94

Syntax Guide for PubMed	
[MeSH] = Medical Subject Heading	[Text Word] = Includes all words and numbers in the title, abstract, other abstract, MeSH terms, MeSH Subheadings, Publication Types, Substance Names, Personal Name as Subject, Corporate Author, Secondary Source, Comment/Correction Notes, and Other Terms - typically non-MeSH subject terms (keywords)...assigned by an organization other than NLM
[MeSH subheading] = a Medical Subject Heading subheading, e.g. drug therapy	[Title/Abstract] = Includes words in the title and abstracts
mh:noexp = a command to retrieve the results of the Medical Subject Heading specified, but not narrower Medical Subject Heading terms	
Boolean Operators	
OR = retrieves results that include at least one of the search terms	AND = retrieves results that include all the search terms
NOT = excludes the retrieval of terms from the search	

GIOP PubMed Search Strategy - Oct 7 2015; updated April 23, 2016

Search	Query
#23	Search (((((((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word]))) AND (((("fracture assessment"[Text Word] OR "fracture reassessment"[Text Word] OR "fracture re-assessment"[Text Word])) OR ((((((Densitometry/[MeSH Terms]) OR (densitometry[Text Word] OR dexa[Text Word] OR dxa[Text Word])) OR (FRAX[Text Word] OR VFA[Text Word])) OR "T score") OR "x-ray absorptiometry")) AND ((risk assessment[MeSH Terms]) OR ("risk assess*" [Text Word] OR "risk reassess*" [Text Word] OR "risk profile*" [Text Word] OR "risk index"[Text Word]))) OR (((Fractures, Bone[MeSH Terms]) AND

Search	Query
	<p>fracture*[Text Word])) AND ((risk assessment[MeSH Terms] OR ("risk assess*" [Text Word] OR "risk reassess*" [Text Word] OR "risk profile*" [Text Word] OR " AND risk index Text Word)))))) OR (((((((((Glucocorticoids[MeSH Terms] OR Steroids[MeSH Terms] OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word]))) AND (((((((((((((((Osteoporosis[MeSH Terms] OR Bone Diseases, Metabolic/ci[MeSH Terms] OR Bone Diseases/chemically induced[MeSH Terms] OR Bone Resorption[MeSH Terms] OR ((Bone and Bones/drug effects[MeSH Terms]))) OR bone resorption[Text Word] OR ((osteopaenia[Text Word] OR osteopenia[Text Word] OR osteopor*[Text Word]))) OR Fractures, Bone[MeSH Terms] OR fracture*[Text Word] OR Bone Density[MeSH Terms] OR ((bone density[Text Word] OR bone mass[Text Word] OR bone mineral*[Text Word] OR bone demineral*[Text Word] OR bone loss[Text Word] OR bone decalif*[Text Word] OR bone strength[Text Word]))) OR BMD[Text Word] OR Densitometry[MeSH Terms] OR ((densitometry[Text Word] OR dxa[Text Word] OR dxa[Text Word])) OR ((fracture assessment[Text Word] OR fracture reassessment[Text Word] OR fracture reassessment[Text Word])) OR ((FRAX[Text Word] OR VFA[Text Word])) OR "T score"[Text Word] OR "x-ray absorptiometry"[Text Word])))) AND (((((Calcium Compounds[MeSH Terms] OR Calcium[MeSH Terms] OR calcium[Text Word])) AND (((((((((Vitamin D[MeSH Terms] OR ("Vitamin D*" [Text Word] OR cholecalciferol*[Text Word] OR hydroxycholecalciferol*[Text Word] OR calcifediol*[Text Word] OR dihydroxycholecalciferol*[Text Word] OR calcitriol*\$)))))) OR ((ergocalciferol*[Text Word] OR dihydrotachysterol*[Text Word] OR</p>

Search	Query
	<p> rocaltrol*[Text Word])) OR "25-Hydroxyvitamin D 2"[Text Word]) OR "24,25-Dihydroxyvitamin D 3"[Text Word]) OR "1,25-dihydroxyvitamin D3"[Text Word]) OR "25-dihydroxyvitamin D3"[Text Word] OR (("1,25-dihydroxycholecalciferol"[Text Word] OR "25-dihydroxycholecalciferol"[Text Word]))) OR (((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word]))) AND (((((((((((((((Osteoporosis[MeSH Terms]) OR Bone Diseases, Metabolic/ci[MeSH Terms]) OR Bone Diseases/chemically induced[MeSH Terms]) OR Bone Resorption[MeSH Terms]) OR ((Bone and Bones/drug effects[MeSH Terms]))) OR bone resorption[Text Word]) OR ((osteopaenia[Text Word] OR osteopenia[Text Word] OR osteoporos*[Text Word]))) OR Fractures, Bone[MeSH Terms]) OR fracture*[Text Word]) OR Bone Density[MeSH Terms]) OR ((bone density[Text Word] OR bone mass[Text Word] OR bone mineral*[Text Word] OR bone demineral*[Text Word] OR bone loss[Text Word] OR bone decalif*[Text Word] OR bone strength[Text Word]))) OR BMD[Text Word]) OR Densitometry[MeSH Terms]) OR ((densitometry[Text Word] OR dexamethasone[Text Word] OR dxa[Text Word])) OR ((fracture assessment[Text Word] OR fracture reassessment[Text Word] OR fracture re-assessment[Text Word])) OR ((FRAX[Text Word] OR VFA[Text Word])) OR "T score"[Text Word]) OR "x-ray absorptiometry"[Text Word])) AND (((((Calcium Compounds[MeSH Terms]) OR Calcium[MeSH Terms]) OR calcium[Text Word])) AND (((((((Vitamin D[MeSH Terms]) OR ("Vitamin D*[Text Word] OR cholecalciferol*[Text Word] OR hydroxycholecalciferol*[Text Word] OR calcifediol*[Text Word] OR dihydroxycholecalciferol*[Text Word] OR </p>

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	<p> calcitriol*\$)) OR ((ergocalciferol*[Text Word] OR dihydrotachysterol*[Text Word] OR rocalcrol*[Text Word])) OR "25-Hydroxyvitamin D 2"[Text Word]) OR "24,25-Dihydroxyvitamin D 3"[Text Word]) OR "1,25-dihydroxyvitamin D3"[Text Word]) OR "25-dihydroxyvitamin D3"[Text Word] OR ("1,25-dihydroxycholecalciferol"[Text Word] OR "25-dihydroxycholecalciferol"[Text Word])))) AND (((((((((((((((("lifestyle modif*[Text Word] OR "Lifestyle change*[Text Word])) OR exercise[MeSH Terms]) OR sports[MeSH Terms]) OR resistance training[MeSH Terms]) OR physical fitness[MeSH Terms]) OR ((strengthening[Text Word] OR isometric*[Text Word] OR isotonic*[Text Word] OR isokinetic*[Text Word] OR aerobic*[Text Word] OR "physical fitness"[Text Word] OR "weight bearing"[Text Word] OR "weight lifting"[Text Word])) OR ((accidental falls[MeSH Terms]) AND ((risk assessment OR risk factors[MeSH Terms])) OR "fall* risk assessment"[Text Word]) OR ("fall risk screening"[Text Word] OR "fall risk index"[Text Word])) OR smoking cessation[MeSH Terms]) OR "tobacco use cessation") OR alcohol drinking[MeSH Terms]) OR ("alcohol reduction"[Text Word] OR "alcohol moderation"[Text Word])) OR Sunlight[MeSH Terms]) OR "sun exposure"[Text Word]) OR ((nutritional sciences and Counseling[MeSH Terms])) OR ("diet* counseling"[Text Word] OR "diet counselling"[Text Word] OR "nutrition* counseling"[Text Word] OR "nutrition* counselling"[Text Word])) OR (((((((((((((((((Diphosphonates[MeSH Terms]) OR bisphosphonate*[Text Word]) OR Alendronate[MeSH Terms]) OR alendronate[Text Word]) OR Fosamax[Text Word]) OR risedronate*[Text Word]) OR Actonel[Text Word]) OR Atelvia[Text Word]) OR ibandronate*[Text Word]) OR Boniva[Text Word]) OR zoledronic acid*[Text Word]) OR ((Reclast[Text Word] OR Zometa[Text Word])) OR Raloxifene[MeSH Terms]) OR </p>

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	raloxifene[Text Word]) OR Evista[Text Word]) OR Teriparatide[MeSH Terms]) OR teriparatide[Text Word]) OR Forteo[Text Word]) OR denosumab[Text Word]) NOT ((animals [mh] NOT humans [mh])) AND English[lang]) NOT (((case reports[Publication Type] OR comment[Publication Type] OR editorial[Publication Type] OR letter[Publication Type] OR newspaper article[Publication Type])) AND English[lang]) Filters: English
#22	Search (case reports[Publication Type] OR comment[Publication Type] OR editorial[Publication Type] OR letter[Publication Type] OR newspaper article[Publication Type]) Filters: English
#21	Search (((((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word]))) AND (((("fracture assessment"[Text Word] OR "fracture reassessment"[Text Word] OR "fracture re-assessment"[Text Word])) OR (((((((Densitometry/[MeSH Terms]) OR (densitometry[Text Word] OR dexamethasone[Text Word] OR dxa[Text Word])) OR (FRAX[Text Word] OR VFA[Text Word])) OR "T score") OR "x-ray absorptiometry")) AND ((risk assessment[MeSH Terms]) OR ("risk assess*[Text Word] OR "risk reassess*[Text Word] OR "risk profile*[Text Word] OR "risk index"[Text Word]))) OR (((Fractures, Bone[MeSH Terms]) AND fracture*[Text Word])) AND ((risk assessment[MeSH Terms]) OR ("risk assess*[Text Word] OR "risk reassess*[Text Word] OR "risk profile*[Text Word] OR "risk index Text Word)))))) OR (((((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word]))) AND

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	<p> ((((((((((((((((Osteoporosis[MeSH Terms]) OR Bone Diseases, Metabolic/ci[MeSH Terms]) OR Bone Diseases/chemically induced[MeSH Terms]) OR Bone Resorption[MeSH Terms]) OR ((Bone and Bones/drug effects[MeSH Terms]))) OR bone resorption[Text Word]) OR ((osteopaenia[Text Word] OR osteopenia[Text Word] OR osteoporos*[Text Word]))) OR Fractures, Bone[MeSH Terms]) OR fracture*[Text Word]) OR Bone Density[MeSH Terms]) OR ((bone density[Text Word] OR bone mass[Text Word] OR bone mineral*[Text Word] OR bone demineral*[Text Word] OR bone loss[Text Word] OR bone decalcif*[Text Word] OR bone strength[Text Word]))) OR BMD[Text Word]) OR Densitometry[MeSH Terms]) OR ((densitometry[Text Word] OR dxa[Text Word] OR dxa[Text Word])) OR ((fracture assessment[Text Word] OR fracture reassessment[Text Word] OR fracture re- assessment[Text Word])) OR ((FRAX[Text Word] OR VFA[Text Word])) OR "T score"[Text Word] OR "x-ray absorptiometry"[Text Word])) AND (((((Calcium Compounds[MeSH Terms]) OR Calcium[MeSH Terms]) OR calcium[Text Word])) AND (((((((Vitamin D[MeSH Terms]) OR ("Vitamin D*[Text Word] OR cholecalciferol*[Text Word] OR hydroxycholecalciferol*[Text Word] OR calcifediol*[Text Word] OR dihydroxycholecalciferol*[Text Word] OR caltitriol*\$)))) OR ((ergocalciferol*[Text Word] OR dihydrotachysterol*[Text Word] OR rocaltrol*[Text Word])) OR "25-Hydroxyvitamin D 2"[Text Word]) OR "24,25-Dihydroxyvitamin D 3"[Text Word]) OR "1,25-dihydroxyvitamin D3"[Text Word]) OR "25-dihydroxyvitamin D3"[Text Word] OR ("1,25- dihydroxycholecalciferol"[Text Word] OR "25- dihydroxycholecalciferol"[Text Word])))) OR ((((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR (glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR </p>

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	<p>prednisone[Text Word] OR prednisolone[Text Word]))) AND ((((((((((((((((Osteoporosis[MeSH Terms]) OR Bone Diseases, Metabolic/ci[MeSH Terms]) OR Bone Diseases/chemically induced[MeSH Terms]) OR Bone Resorption[MeSH Terms]) OR ((Bone and Bones/drug effects[MeSH Terms]))) OR bone resorption[Text Word]) OR ((osteopaenia[Text Word] OR osteopenia[Text Word] OR osteoporo*[Text Word]))) OR Fractures, Bone[MeSH Terms]) OR fracture*[Text Word]) OR Bone Density[MeSH Terms]) OR ((bone density[Text Word] OR bone mass[Text Word] OR bone mineral*[Text Word] OR bone demineral*[Text Word] OR bone loss[Text Word] OR bone decalif*[Text Word] OR bone strength[Text Word]))) OR BMD[Text Word]) OR Densitometry[MeSH Terms]) OR ((densitometry[Text Word] OR dxa[Text Word] OR dxa[Text Word])) OR ((fracture assessment[Text Word] OR fracture reassessment[Text Word] OR fracture re- assessment[Text Word])) OR ((FRAX[Text Word] OR VFA[Text Word])) OR "T score"[Text Word] OR "x-ray absorptiometry"[Text Word])) AND (((((Calcium Compounds[MeSH Terms]) OR Calcium[MeSH Terms]) OR calcium[Text Word])) AND (((((((Vitamin D[MeSH Terms]) OR ("Vitamin D*[Text Word] OR cholecalciferol*[Text Word] OR hydroxycholecalciferol*[Text Word] OR calcifediol*[Text Word] OR dihydroxycholecalciferol*[Text Word] OR calcitriol*\$)))) OR ((ergocalciferol*[Text Word] OR dihydrotachysterol*[Text Word] OR rocaltrol*[Text Word]))) OR "25-Hydroxyvitamin D 2"[Text Word]) OR "24,25-Dihydroxyvitamin D 3"[Text Word]) OR "1,25-dihydroxyvitamin D3"[Text Word]) OR "25-dihydroxyvitamin D3"[Text Word] OR ("1,25- dihydroxycholecalciferol"[Text Word] OR "25- dihydroxycholecalciferol"[Text Word]))) AND ((((((((((((((((("lifestyle modif*[Text Word] OR "Lifestyle change*[Text Word])) OR</p>

Search	Query
	<p>exercise[MeSH Terms]) OR sports[MeSH Terms]) OR resistance training[MeSH Terms]) OR physical fitness[MeSH Terms]) OR ((strengthening[Text Word] OR isometric*[Text Word] OR isotonic*[Text Word] OR isokinetic*[Text Word] OR aerobic*[Text Word] OR "physical fitness"[Text Word] OR "weight bearing"[Text Word] OR "weight lifting"[Text Word])) OR ((accidental falls[MeSH Terms]) AND ((risk assessment OR risk factors[MeSH Terms]))) OR "fall* risk assessment"[Text Word] OR ("fall risk screening"[Text Word] OR "fall risk index"[Text Word])) OR smoking cessation[MeSH Terms]) OR "tobacco use cessation") OR alcohol drinking[MeSH Terms]) OR ("alcohol reduction"[Text Word] OR "alcohol moderation"[Text Word])) OR Sunlight[MeSH Terms]) OR "sun exposure"[Text Word] OR ((nutritional sciences and Counseling[MeSH Terms])) OR ("diet* counseling"[Text Word] OR "diet counselling"[Text Word] OR "nutrition* counseling"[Text Word] OR "nutrition* counselling"[Text Word])) OR (((((((((((((((((((Diphosphonates[MeSH Terms]) OR bisphosphonate*[Text Word]) OR Alendronate[MeSH Terms]) OR alendronate[Text Word] OR Fosamax[Text Word] OR risedronate*[Text Word] OR Actonel[Text Word] OR Atelvia[Text Word] OR ibandronate*[Text Word] OR Boniva[Text Word] OR zoledronic acid*[Text Word] OR ((Reclast[Text Word] OR Zometa[Text Word])) OR Raloxifene[MeSH Terms]) OR raloxifene[Text Word] OR Evista[Text Word] OR Teriparatide[MeSH Terms]) OR teriparatide[Text Word] OR Forteo[Text Word] OR denosumab[Text Word])))))))) NOT ((animals [mh] NOT humans [mh])) Filters: English</p>
#20	<p>Search (((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word])))) AND (((("fracture assessment"[Text</p>

Search	Query
	<p>Word] OR "fracture reassessment"[Text Word] OR "fracture re-assessment"[Text Word])) OR (((((((Densitometry/[MeSH Terms]) OR (densitometry[Text Word] OR dxa[Text Word] OR dxa[Text Word])) OR (FRAX[Text Word] OR VFA[Text Word])) OR "T score") OR "x-ray absorptiometry")) AND ((risk assessment[MeSH Terms]) OR ("risk assess*"[Text Word] OR "risk reassess*"[Text Word] OR "risk profile*"[Text Word] OR "risk index"[Text Word]))) OR (((Fractures, Bone[MeSH Terms]) AND fracture*[Text Word])) AND ((risk assessment[MeSH Terms]) OR ("risk assess*"[Text Word] OR "risk reassess*"[Text Word] OR "risk profile*"[Text Word] OR " AND risk index Text Word)))))) OR ((((((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word]))) AND (((((((((((((((Osteoporosis[MeSH Terms]) OR Bone Diseases, Metabolic/ci[MeSH Terms]) OR Bone Diseases/chemically induced[MeSH Terms]) OR Bone Resorption[MeSH Terms]) OR ((Bone and Bones/drug effects[MeSH Terms]))) OR bone resorption[Text Word]) OR ((osteopaenia[Text Word] OR osteopenia[Text Word] OR osteopor* [Text Word]))) OR Fractures, Bone[MeSH Terms]) OR fracture*[Text Word]) OR Bone Density[MeSH Terms]) OR ((bone density[Text Word] OR bone mass[Text Word] OR bone mineral*[Text Word] OR bone demineral*[Text Word] OR bone loss[Text Word] OR bone decalcif*[Text Word] OR bone strength[Text Word]))) OR BMD[Text Word]) OR Densitometry[MeSH Terms]) OR ((densitometry[Text Word] OR dxa[Text Word] OR dxa[Text Word])) OR ((fracture assessment[Text Word] OR fracture reassessment[Text Word] OR fracture re-assessment[Text Word])) OR ((FRAX[Text Word] OR VFA[Text Word])) OR "T score"[Text</p>

Search	Query
	<p>Word]) OR "x-ray absorptiometry"[Text Word])))) AND (((((Calcium Compounds[MeSH Terms]) OR Calcium[MeSH Terms]) OR calcium[Text Word])) AND (((((((((Vitamin D[MeSH Terms]) OR ("Vitamin D"[Text Word] OR cholecalciferol*[Text Word] OR hydroxycholecalciferol*[Text Word] OR calcifediol*[Text Word] OR dihydroxycholecalciferol*[Text Word] OR calcitriol*\$)))))) OR ((ergocalciferol*[Text Word] OR dihydrotachysterol*[Text Word] OR rocalcitol*[Text Word])))) OR "25-Hydroxyvitamin D 2"[Text Word]) OR "24,25-Dihydroxyvitamin D 3"[Text Word]) OR "1,25-dihydroxyvitamin D3"[Text Word]) OR "25-dihydroxyvitamin D3"[Text Word] OR ("1,25-dihydroxycholecalciferol"[Text Word] OR "25-dihydroxycholecalciferol"[Text Word]))))))) OR (((((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word])))) AND (((((((((((((((Osteoporosis[MeSH Terms]) OR Bone Diseases, Metabolic/ci[MeSH Terms]) OR Bone Diseases/chemically induced[MeSH Terms]) OR Bone Resorption[MeSH Terms]) OR ((Bone and Bones/drug effects[MeSH Terms])))) OR bone resorption[Text Word]) OR ((osteopaenia[Text Word] OR osteopenia[Text Word] OR osteoporosis*[Text Word])))) OR Fractures, Bone[MeSH Terms]) OR fracture*[Text Word]) OR Bone Density[MeSH Terms]) OR ((bone density[Text Word] OR bone mass[Text Word] OR bone mineral*[Text Word] OR bone demineral*[Text Word] OR bone loss[Text Word] OR bone decalcification*[Text Word] OR bone strength[Text Word])))) OR BMD[Text Word]) OR Densitometry[MeSH Terms]) OR ((densitometry[Text Word] OR dxa[Text Word] OR dx[Text Word])) OR ((fracture assessment[Text Word] OR fracture reassessment[Text Word] OR fracture re-</p>

Search	Query
	<p>assessment[Text Word])) OR ((FRAX[Text Word] OR VFA[Text Word])) OR "T score"[Text Word] OR "x-ray absorptiometry"[Text Word])) AND (((((Calcium Compounds[MeSH Terms] OR Calcium[MeSH Terms] OR calcium[Text Word])) AND (((((((Vitamin D[MeSH Terms] OR ("Vitamin D"[Text Word] OR cholecalciferol*[Text Word] OR hydroxycholecalciferol*[Text Word] OR calcifediol*[Text Word] OR dihydroxycholecalciferol*[Text Word] OR calcitriol*\$)))) OR ((ergocalciferol*[Text Word] OR dihydrotachysterol*[Text Word] OR rocaltrol*[Text Word])) OR "25-Hydroxyvitamin D 2"[Text Word] OR "24,25-Dihydroxyvitamin D 3"[Text Word] OR "1,25-dihydroxyvitamin D3"[Text Word] OR "25-dihydroxyvitamin D3"[Text Word] OR ("1,25-dihydroxycholecalciferol"[Text Word] OR "25-dihydroxycholecalciferol"[Text Word])))))) AND (((((((((((((((("lifestyle modif"[Text Word] OR "Lifestyle change"[Text Word])) OR exercise[MeSH Terms] OR sports[MeSH Terms] OR resistance training[MeSH Terms] OR physical fitness[MeSH Terms] OR ((strengthening[Text Word] OR isometric*[Text Word] OR isotonic*[Text Word] OR isokinetic*[Text Word] OR aerobic*[Text Word] OR "physical fitness"[Text Word] OR "weight bearing"[Text Word] OR "weight lifting"[Text Word])) OR ((accidental falls[MeSH Terms] AND ((risk assessment OR risk factors[MeSH Terms])) OR "fall* risk assessment"[Text Word] OR ("fall risk screening"[Text Word] OR "fall risk index"[Text Word])) OR smoking cessation[MeSH Terms] OR "tobacco use cessation") OR alcohol drinking[MeSH Terms] OR ("alcohol reduction"[Text Word] OR "alcohol moderation"[Text Word])) OR Sunlight[MeSH Terms] OR "sun exposure"[Text Word] OR ((nutritional sciences and Counseling[MeSH Terms])) OR ("diet* counseling"[Text Word] OR "diet counselling"[Text Word] OR "nutrition* counseling"[Text Word] OR "nutrition*</p>

Search	Query
	<p>counselling"[Text Word])))) OR ((((((((((((((((Diphosphonates[MeSH Terms]) OR bisphosphonate*[Text Word]) OR Alendronate[MeSH Terms]) OR alendronate[Text Word]) OR Fosamax[Text Word]) OR risedronate*[Text Word]) OR Actonel[Text Word]) OR Atelvia[Text Word]) OR ibandronate*[Text Word]) OR Boniva[Text Word]) OR zoledronic acid*[Text Word]) OR ((Reclast[Text Word] OR Zometa[Text Word])))) OR Raloxifene[MeSH Terms]) OR raloxifene[Text Word]) OR Evista[Text Word]) OR Teriparatide[MeSH Terms]) OR teriparatide[Text Word]) OR Forteo[Text Word]) OR denosumab[Text Word])))) NOT ((animals [mh] NOT humans [mh]))</p>
#19	<p>Search (animals [mh] NOT humans [mh])</p>
#18	<p>Search ((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word])))) AND (((("fracture assessment"[Text Word] OR "fracture reassessment"[Text Word] OR "fracture re-assessment"[Text Word])) OR (((((((Densitometry/[MeSH Terms]) OR (densitometry[Text Word] OR dxa[Text Word] OR dxa[Text Word])) OR (FRAX[Text Word] OR VFA[Text Word])) OR "T score") OR "x-ray absorptiometry")) AND ((risk assessment[MeSH Terms]) OR ("risk assess*[Text Word] OR "risk reassess*[Text Word] OR "risk profile*[Text Word] OR "risk index"[Text Word])))) OR (((Fractures, Bone[MeSH Terms]) AND fracture*[Text Word])) AND ((risk assessment[MeSH Terms]) OR ("risk assess*[Text Word] OR "risk reassess*[Text Word] OR "risk profile*[Text Word] OR " AND risk index Text Word)))))) OR ((((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR</p>

Search	Query
	<p>prednisone[Text Word] OR prednisolone[Text Word]))) AND ((((((((((((((((Osteoporosis[MeSH Terms]) OR Bone Diseases, Metabolic/ci[MeSH Terms]) OR Bone Diseases/chemically induced[MeSH Terms]) OR Bone Resorption[MeSH Terms]) OR ((Bone and Bones/drug effects[MeSH Terms]))) OR bone resorption[Text Word]) OR ((osteopaenia[Text Word] OR osteopenia[Text Word] OR osteoporo*[Text Word]))) OR Fractures, Bone[MeSH Terms]) OR fracture*[Text Word]) OR Bone Density[MeSH Terms]) OR ((bone density[Text Word] OR bone mass[Text Word] OR bone mineral*[Text Word] OR bone demineral*[Text Word] OR bone loss[Text Word] OR bone decalif*[Text Word] OR bone strength[Text Word]))) OR BMD[Text Word]) OR Densitometry[MeSH Terms]) OR ((densitometry[Text Word] OR dexam[Text Word] OR dxa[Text Word])) OR ((fracture assessment[Text Word] OR fracture reassessment[Text Word] OR fracture re- assessment[Text Word])) OR ((FRAX[Text Word] OR VFA[Text Word])) OR "T score"[Text Word] OR "x-ray absorptiometry"[Text Word])) AND (((((Calcium Compounds[MeSH Terms]) OR Calcium[MeSH Terms]) OR calcium[Text Word])) AND (((((((Vitamin D[MeSH Terms]) OR ("Vitamin D*[Text Word] OR cholecalciferol*[Text Word] OR hydroxycholecalciferol*[Text Word] OR calcifediol*[Text Word] OR dihydroxycholecalciferol*[Text Word] OR calcitriol*\$)))) OR ((ergocalciferol*[Text Word] OR dihydrotachysterol*[Text Word] OR rocaltrol*[Text Word])))) OR "25-Hydroxyvitamin D 2"[Text Word] OR "24,25-Dihydroxyvitamin D 3"[Text Word] OR "1,25-dihydroxyvitamin D3"[Text Word] OR "25-dihydroxyvitamin D3"[Text Word] OR ("1,25- dihydroxycholecalciferol"[Text Word] OR "25- dihydroxycholecalciferol"[Text Word]))) OR ((((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR</p>

Search	Query
	<p>((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word]))) AND</p> <p>((((((((((((((((((Osteoporosis[MeSH Terms]) OR Bone Diseases, Metabolic/ci[MeSH Terms]) OR Bone Diseases/chemically induced[MeSH Terms]) OR Bone Resorption[MeSH Terms]) OR ((Bone and Bones/drug effects[MeSH Terms]))) OR bone resorption[Text Word]) OR ((osteopaenia[Text Word] OR osteopenia[Text Word] OR osteoporos*[Text Word]))) OR Fractures, Bone[MeSH Terms]) OR fracture*[Text Word] OR Bone Density[MeSH Terms]) OR ((bone density[Text Word] OR bone mass[Text Word] OR bone mineral*[Text Word] OR bone demineral*[Text Word] OR bone loss[Text Word] OR bone decalcif*[Text Word] OR bone strength[Text Word]))) OR BMD[Text Word]) OR Densitometry[MeSH Terms]) OR ((densitometry[Text Word] OR dxa[Text Word] OR dxa[Text Word])) OR ((fracture assessment[Text Word] OR fracture reassessment[Text Word] OR fracture re-assessment[Text Word])) OR ((FRAX[Text Word] OR VFA[Text Word])) OR "T score"[Text Word] OR "x-ray absorptiometry"[Text Word]))) AND (((((Calcium Compounds[MeSH Terms]) OR Calcium[MeSH Terms]) OR calcium[Text Word]) AND (((((((Vitamin D[MeSH Terms]) OR ("Vitamin D*[Text Word] OR cholecalciferol*[Text Word] OR hydroxycholecalciferol*[Text Word] OR calcifediol*[Text Word] OR dihydroxycholecalciferol*[Text Word] OR calcitriol*\$)))) OR ((ergocalciferol*[Text Word] OR dihydrotachysterol*[Text Word] OR rocaltrol*[Text Word])) OR "25-Hydroxyvitamin D 2"[Text Word]) OR "24,25-Dihydroxyvitamin D 3"[Text Word]) OR "1,25-dihydroxyvitamin D3"[Text Word] OR "25-dihydroxyvitamin D3"[Text Word] OR ("1,25-dihydroxycholecalciferol"[Text Word] OR "25-dihydroxycholecalciferol"[Text Word])))))))) AND</p>

Search	Query
	<p>((((((((((((((((("lifestyle modif*"[Text Word] OR "Lifestyle change*"[Text Word]))) OR exercise[MeSH Terms]) OR sports[MeSH Terms]) OR resistance training[MeSH Terms]) OR physical fitness[MeSH Terms]) OR ((strengthening[Text Word] OR isometric*[Text Word] OR isotonic*[Text Word] OR isokinetic*[Text Word] OR aerobic*[Text Word] OR "physical fitness"[Text Word] OR "weight bearing"[Text Word] OR "weight lifting"[Text Word]))) OR ((accidental falls[MeSH Terms]) AND ((risk assessment OR risk factors[MeSH Terms]))) OR "fall* risk assessment"[Text Word] OR ("fall risk screening"[Text Word] OR "fall risk index"[Text Word])) OR smoking cessation[MeSH Terms] OR "tobacco use cessation") OR alcohol drinking[MeSH Terms] OR ("alcohol reduction"[Text Word] OR "alcohol moderation"[Text Word])) OR Sunlight[MeSH Terms] OR "sun exposure"[Text Word] OR ((nutritional sciences and Counseling[MeSH Terms])) OR ("diet* counseling"[Text Word] OR "diet counselling"[Text Word] OR "nutrition* counseling"[Text Word] OR "nutrition* counselling"[Text Word])) OR ((((((((((((((((((Diphosphonates[MeSH Terms] OR bisphosphonate*[Text Word]) OR Alendronate[MeSH Terms] OR alendronate[Text Word] OR Fosamax[Text Word] OR risedronate*[Text Word] OR Actonel[Text Word] OR Atelvia[Text Word] OR ibandronate*[Text Word] OR Boniva[Text Word] OR zoledronic acid*[Text Word] OR ((Reclast[Text Word] OR Zometa[Text Word])) OR Raloxifene[MeSH Terms] OR raloxifene[Text Word] OR Evista[Text Word] OR Teriparatide[MeSH Terms] OR teriparatide[Text Word] OR Forteo[Text Word] OR denosumab[Text Word])))</p>
#17	<p>Search (((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text</p>

Search	Query
	<p>Word]))) AND (((("fracture assessment"[Text Word] OR "fracture reassessment"[Text Word] OR "fracture re-assessment"[Text Word])) OR ((((((Densitometry/[MeSH Terms]) OR (densitometry[Text Word] OR dxa[Text Word] OR dxa[Text Word])) OR (FRAX[Text Word] OR VFA[Text Word])) OR "T score") OR "x-ray absorptiometry")) AND ((risk assessment[MeSH Terms]) OR ("risk assess*" [Text Word] OR "risk reassess*" [Text Word] OR "risk profile*" [Text Word] OR "risk index"[Text Word]))) OR (((Fractures, Bone[MeSH Terms]) AND fracture*[Text Word])) AND ((risk assessment[MeSH Terms]) OR ("risk assess*" [Text Word] OR "risk reassess*" [Text Word] OR "risk profile*" [Text Word] OR " AND risk index Text Word))))</p>
#16	<p>Search (((("fracture assessment"[Text Word] OR "fracture reassessment"[Text Word] OR "fracture re-assessment"[Text Word])) OR ((((((Densitometry/[MeSH Terms]) OR (densitometry[Text Word] OR dxa[Text Word] OR dxa[Text Word])) OR (FRAX[Text Word] OR VFA[Text Word])) OR "T score") OR "x-ray absorptiometry")) AND ((risk assessment[MeSH Terms]) OR ("risk assess*" [Text Word] OR "risk reassess*" [Text Word] OR "risk profile*" [Text Word] OR "risk index"[Text Word]))) OR (((Fractures, Bone[MeSH Terms]) AND fracture*[Text Word])) AND ((risk assessment[MeSH Terms]) OR ("risk assess*" [Text Word] OR "risk reassess*" [Text Word] OR "risk profile*" [Text Word] OR " AND risk index Text Word))))</p>
#15	<p>Search "fracture assessment"[Text Word] OR "fracture reassessment"[Text Word] OR "fracture re-assessment"[Text Word]</p>
#14	<p>Search ((((((Densitometry/[MeSH Terms]) OR (densitometry[Text Word] OR dxa[Text Word] OR dxa[Text Word])) OR (FRAX[Text Word] OR VFA[Text Word])) OR "T score") OR "x-ray absorptiometry")) AND ((risk assessment[MeSH Terms]) OR ("risk assess*" [Text Word] OR "risk</p>

Search	Query
	reassess*[Text Word] OR "risk profile*[Text Word] OR "risk index"[Text Word]))
#13	Search (((Fractures, Bone[MeSH Terms]) AND fracture*[Text Word])) AND ((risk assessment[MeSH Terms] OR ("risk assess*[Text Word] OR "risk reassess*[Text Word] OR "risk profile*[Text Word] OR " AND risk index Text Word))
#12	Search (((((((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word]))) AND (((((((((((((((Osteoporosis[MeSH Terms]) OR Bone Diseases, Metabolic/ci[MeSH Terms]) OR Bone Diseases/chemically induced[MeSH Terms]) OR Bone Resorption[MeSH Terms]) OR ((Bone and Bones/drug effects[MeSH Terms]))) OR bone resorption[Text Word] OR ((osteopaenia[Text Word] OR osteopenia[Text Word] OR osteoporo*[Text Word]))) OR Fractures, Bone[MeSH Terms]) OR fracture*[Text Word] OR Bone Density[MeSH Terms]) OR ((bone density[Text Word] OR bone mass[Text Word] OR bone mineral*[Text Word] OR bone demineral*[Text Word] OR bone loss[Text Word] OR bone decalci*[Text Word] OR bone strength[Text Word]))) OR BMD[Text Word]) OR Densitometry[MeSH Terms]) OR ((densitometry[Text Word] OR dxa[Text Word] OR dxa[Text Word])) OR ((fracture assessment[Text Word] OR fracture reassessment[Text Word] OR fracture re-assessment[Text Word]))) OR ((FRAX[Text Word] OR VFA[Text Word])) OR "T score"[Text Word] OR "x-ray absorptiometry"[Text Word]))) AND (((((Calcium Compounds[MeSH Terms]) OR Calcium[MeSH Terms]) OR calcium[Text Word])) AND (((((((Vitamin D[MeSH Terms]) OR ("Vitamin D*[Text Word] OR cholecalciferol*[Text Word] OR hydroxycholecalciferol*[Text Word] OR

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	<p> calcifediol*[Text Word] OR dihydroxycholecalciferol*[Text Word] OR calcitriol*\$)) OR ((ergocalciferol*[Text Word] OR dihydrotachysterol*[Text Word] OR rocaltrol*[Text Word])) OR "25-Hydroxyvitamin D 2"[Text Word]) OR "24,25-Dihydroxyvitamin D 3"[Text Word]) OR "1,25-dihydroxyvitamin D3"[Text Word] OR "25-dihydroxyvitamin D3"[Text Word] OR ("1,25- dihydroxycholecalciferol"[Text Word] OR "25- dihydroxycholecalciferol"[Text Word])))) OR ((((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word])))) AND ((((((((((((((((Osteoporosis[MeSH Terms]) OR Bone Diseases, Metabolic/ci[MeSH Terms]) OR Bone Diseases/chemically induced[MeSH Terms]) OR Bone Resorption[MeSH Terms]) OR ((Bone and Bones/drug effects[MeSH Terms])))) OR bone resorption[Text Word] OR ((osteopaenia[Text Word] OR osteopenia[Text Word] OR osteoporos*[Text Word])))) OR Fractures, Bone[MeSH Terms]) OR fracture*[Text Word] OR Bone Density[MeSH Terms]) OR ((bone density[Text Word] OR bone mass[Text Word] OR bone mineral*[Text Word] OR bone demineral*[Text Word] OR bone loss[Text Word] OR bone decalcif*[Text Word] OR bone strength[Text Word])))) OR BMD[Text Word]) OR Densitometry[MeSH Terms]) OR ((densitometry[Text Word] OR dexa[Text Word] OR dxa[Text Word])) OR ((fracture assessment[Text Word] OR fracture reassessment[Text Word] OR fracture re- assessment[Text Word])) OR ((FRAX[Text Word] OR VFA[Text Word])) OR "T score"[Text Word]) OR "x-ray absorptiometry"[Text Word])) AND (((((Calcium Compounds[MeSH Terms]) OR Calcium[MeSH Terms]) OR calcium[Text Word])) AND (((((((Vitamin D[MeSH Terms]) OR ("Vitamin D*[Text Word] OR </p>

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	<p>cholecalciferol*[Text Word] OR hydroxycholecalciferol*[Text Word] OR calcifediol*[Text Word] OR dihydroxycholecalciferol*[Text Word] OR caltitriol*\$))) OR ((ergocalciferol*[Text Word] OR dihydrotachysterol*[Text Word] OR rocaltrol*[Text Word])))) OR "25-Hydroxyvitamin D 2"[Text Word]) OR "24,25-Dihydroxyvitamin D 3"[Text Word]) OR "1,25-dihydroxyvitamin D3"[Text Word]) OR "25-dihydroxyvitamin D3"[Text Word] OR (("1,25- dihydroxycholecalciferol"[Text Word] OR "25- dihydroxycholecalciferol"[Text Word])))) AND ((((((((((((((((("lifestyle modif*[Text Word] OR "Lifestyle change*[Text Word])))) OR exercise[MeSH Terms]) OR sports[MeSH Terms]) OR resistance training[MeSH Terms]) OR physical fitness[MeSH Terms]) OR ((strengthening[Text Word] OR isometric*[Text Word] OR isotonic*[Text Word] OR isokinetic*[Text Word] OR aerobic*[Text Word] OR "physical fitness"[Text Word] OR "weight bearing"[Text Word] OR "weight lifting"[Text Word])))) OR ((accidental falls[MeSH Terms]) AND ((risk assessment OR risk factors[MeSH Terms])))) OR "fall* risk assessment"[Text Word] OR (("fall risk screening"[Text Word] OR "fall risk index"[Text Word])))) OR smoking cessation[MeSH Terms]) OR "tobacco use cessation") OR alcohol drinking[MeSH Terms]) OR (("alcohol reduction"[Text Word] OR "alcohol moderation"[Text Word])))) OR Sunlight[MeSH Terms]) OR "sun exposure"[Text Word]) OR ((nutritional sciences and Counseling[MeSH Terms])))) OR (("diet* counseling"[Text Word] OR "diet counselling"[Text Word] OR "nutrition* counseling"[Text Word] OR "nutrition* counselling"[Text Word])))) OR ((((((((((((((((((Diphosphonates[MeSH Terms]) OR bisphosphonate*[Text Word]) OR Alendronate[MeSH Terms]) OR alendronate[Text Word]) OR Fosamax[Text Word]) OR risedronate*[Text Word]) OR Actonel[Text Word]) OR Atelvia[Text Word]) OR</p>

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	ibandronate*[Text Word]) OR Boniva[Text Word]) OR zoledronic acid*[Text Word]) OR ((Reclast[Text Word] OR Zometa[Text Word])) OR Raloxifene[MeSH Terms]) OR raloxifene[Text Word]) OR Evista[Text Word]) OR Teriparatide[MeSH Terms]) OR teriparatide[Text Word]) OR Forteo[Text Word]) OR denosumab[Text Word]))
#11	Search (((((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word])))) AND (((((((((((((((Osteoporosis[MeSH Terms]) OR Bone Diseases, Metabolic/ci[MeSH Terms]) OR Bone Diseases/chemically induced[MeSH Terms]) OR Bone Resorption[MeSH Terms]) OR ((Bone and Bones/drug effects[MeSH Terms])) OR bone resorption[Text Word] OR ((osteopaenia[Text Word] OR osteopenia[Text Word] OR osteoporos*[Text Word])) OR Fractures, Bone[MeSH Terms]) OR fracture*[Text Word]) OR Bone Density[MeSH Terms]) OR ((bone density[Text Word] OR bone mass[Text Word] OR bone mineral*[Text Word] OR bone demineral*[Text Word] OR bone loss[Text Word] OR bone decalcif*[Text Word] OR bone strength[Text Word])) OR BMD[Text Word]) OR Densitometry[MeSH Terms]) OR ((densitometry[Text Word] OR dxa[Text Word] OR dxa[Text Word])) OR ((fracture assessment[Text Word] OR fracture reassessment[Text Word] OR fracture reassessment[Text Word])) OR ((FRAX[Text Word] OR VFA[Text Word])) OR "T score"[Text Word] OR "x-ray absorptiometry"[Text Word])) AND (((((Calcium Compounds[MeSH Terms]) OR Calcium[MeSH Terms]) OR calcium[Text Word])) AND (((((((Vitamin D[MeSH Terms]) OR ("Vitamin D*[Text Word] OR cholecalciferol*[Text Word] OR hydroxycholecalciferol*[Text Word] OR calcifediol*[Text Word] OR

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	<p> dihydroxycholecalciferol*[Text Word] OR calcitriol*\$\$\$)) OR ((ergocalciferol*[Text Word] OR dihydrotachysterol*[Text Word] OR rocaltrol*[Text Word])) OR "25-Hydroxyvitamin D 2"[Text Word]) OR "24,25-Dihydroxyvitamin D 3"[Text Word]) OR "1,25-dihydroxyvitamin D3"[Text Word]) OR "25-dihydroxyvitamin D3"[Text Word] OR ("1,25- dihydroxycholecalciferol"[Text Word] OR "25- dihydroxycholecalciferol"[Text Word])))) AND ((((((((((((((((("lifestyle modif*[Text Word] OR "Lifestyle change*[Text Word])) OR exercise[MeSH Terms]) OR sports[MeSH Terms]) OR resistance training[MeSH Terms]) OR physical fitness[MeSH Terms]) OR ((strengthening[Text Word] OR isometric*[Text Word] OR isotonic*[Text Word] OR isokinetic*[Text Word] OR aerobic*[Text Word] OR "physical fitness"[Text Word] OR "weight bearing"[Text Word] OR "weight lifting"[Text Word])) OR ((accidental falls[MeSH Terms]) AND ((risk assessment OR risk factors[MeSH Terms])))) OR "fall* risk assessment"[Text Word] OR ("fall risk screening"[Text Word] OR "fall risk index"[Text Word])) OR smoking cessation[MeSH Terms]) OR "tobacco use cessation") OR alcohol drinking[MeSH Terms]) OR ("alcohol reduction"[Text Word] OR "alcohol moderation"[Text Word])) OR Sunlight[MeSH Terms]) OR "sun exposure"[Text Word]) OR ((nutritional sciences and Counseling[MeSH Terms])) OR ("diet* counseling"[Text Word] OR "diet counselling"[Text Word] OR "nutrition* counseling"[Text Word] OR "nutrition* counselling"[Text Word])) OR ((((((((((((((((Diphosphonates[MeSH Terms]) OR bisphosphonate*[Text Word]) OR Alendronate[MeSH Terms]) OR alendronate[Text Word] OR Fosamax[Text Word]) OR risedronate*[Text Word]) OR Actonel[Text Word] OR Atelvia[Text Word]) OR ibandronate*[Text Word]) OR Boniva[Text Word] OR zoledronic acid*[Text Word]) OR ((Reclast[Text Word] OR Zometa[Text Word])) </p>

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	OR Raloxifene[MeSH Terms]) OR raloxifene[Text Word]) OR Evista[Text Word]) OR Teriparatide[MeSH Terms]) OR teriparatide[Text Word]) OR Forteo[Text Word]) OR denosumab[Text Word]))
#10	Search (((((((((((((((((((("lifestyle modif*[Text Word] OR "Lifestyle change*[Text Word]))) OR exercise[MeSH Terms]) OR sports[MeSH Terms]) OR resistance training[MeSH Terms]) OR physical fitness[MeSH Terms]) OR ((strengthening[Text Word] OR isometric*[Text Word] OR isotonic*[Text Word] OR isokinetic*[Text Word] OR aerobic*[Text Word] OR "physical fitness"[Text Word] OR "weight bearing"[Text Word] OR "weight lifting"[Text Word]))) OR ((accidental falls[MeSH Terms]) AND ((risk assessment OR risk factors[MeSH Terms]))) OR "fall* risk assessment"[Text Word] OR ("fall risk screening"[Text Word] OR "fall risk index"[Text Word])) OR smoking cessation[MeSH Terms]) OR "tobacco use cessation") OR alcohol drinking[MeSH Terms]) OR ("alcohol reduction"[Text Word] OR "alcohol moderation"[Text Word])) OR Sunlight[MeSH Terms]) OR "sun exposure"[Text Word]) OR ((nutritional sciences and Counseling[MeSH Terms])) OR ("diet* counseling"[Text Word] OR "diet counselling"[Text Word] OR "nutrition* counseling"[Text Word] OR "nutrition* counselling"[Text Word])) OR (((((((((((((((((((Diphosphonates[MeSH Terms]) OR bisphosphonate*[Text Word]) OR Alendronate[MeSH Terms]) OR alendronate[Text Word]) OR Fosamax[Text Word]) OR risedronate*[Text Word]) OR Actonel[Text Word]) OR Atelvia[Text Word]) OR ibandronate*[Text Word]) OR Boniva[Text Word]) OR zoledronic acid*[Text Word]) OR ((Reclast[Text Word] OR Zometa[Text Word])) OR Raloxifene[MeSH Terms]) OR raloxifene[Text Word]) OR Evista[Text Word]) OR Teriparatide[MeSH Terms]) OR teriparatide[Text Word]) OR Forteo[Text Word]) OR denosumab[Text Word])

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#9	Search (((((((((((((((((((Diphosphonates[MeSH Terms]) OR bisphosphonate*[Text Word]) OR Alendronate[MeSH Terms]) OR alendronate[Text Word]) OR Fosamax[Text Word]) OR risedronate*[Text Word]) OR Actonel[Text Word]) OR Atelvia[Text Word]) OR ibandronate*[Text Word]) OR Boniva[Text Word]) OR zoledronic acid*[Text Word]) OR ((Reclast[Text Word] OR Zometa[Text Word]))) OR Raloxifene[MeSH Terms]) OR raloxifene[Text Word]) OR Evista[Text Word]) OR Teriparatide[MeSH Terms]) OR teriparatide[Text Word]) OR Forteo[Text Word]) OR denosumab[Text Word]
#8	Search (((((((((((((((((((("lifestyle modif*[Text Word] OR "Lifestyle change*[Text Word]))) OR exercise[MeSH Terms]) OR sports[MeSH Terms]) OR resistance training[MeSH Terms]) OR physical fitness[MeSH Terms]) OR ((strengthening[Text Word] OR isometric*[Text Word] OR isotonic*[Text Word] OR isokinetic*[Text Word] OR aerobic*[Text Word] OR "physical fitness"[Text Word] OR "weight bearing"[Text Word] OR "weight lifting"[Text Word]))) OR ((accidental falls[MeSH Terms]) AND ((risk assessment OR risk factors[MeSH Terms]))) OR "fall* risk assessment"[Text Word] OR ("fall risk screening"[Text Word] OR "fall risk index"[Text Word]))) OR smoking cessation[MeSH Terms]) OR "tobacco use cessation") OR alcohol drinking[MeSH Terms]) OR (("alcohol reduction"[Text Word] OR "alcohol moderation"[Text Word]))) OR Sunlight[MeSH Terms]) OR "sun exposure"[Text Word]) OR ((nutritional sciences and Counseling[MeSH Terms])) OR ("diet* counseling"[Text Word] OR "diet counselling"[Text Word] OR "nutrition* counseling"[Text Word] OR "nutrition* counselling"[Text Word])
#7	Search ((((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR (glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR

Search	Query
	<p>prednisone[Text Word] OR prednisolone[Text Word]))) AND ((((((((((((((((Osteoporosis[MeSH Terms]) OR Bone Diseases, Metabolic/ci[MeSH Terms]) OR Bone Diseases/chemically induced[MeSH Terms]) OR Bone Resorption[MeSH Terms]) OR ((Bone and Bones/drug effects[MeSH Terms]))) OR bone resorption[Text Word] OR ((osteopaenia[Text Word] OR osteopenia[Text Word] OR osteoporo*[Text Word]))) OR Fractures, Bone[MeSH Terms]) OR fracture*[Text Word] OR Bone Density[MeSH Terms]) OR ((bone density[Text Word] OR bone mass[Text Word] OR bone mineral*[Text Word] OR bone demineral*[Text Word] OR bone loss[Text Word] OR bone decalif*[Text Word] OR bone strength[Text Word]))) OR BMD[Text Word]) OR Densitometry[MeSH Terms]) OR ((densitometry[Text Word] OR dxa[Text Word] OR dxa[Text Word])) OR ((fracture assessment[Text Word] OR fracture reassessment[Text Word] OR fracture re- assessment[Text Word])) OR ((FRAX[Text Word] OR VFA[Text Word])) OR "T score"[Text Word] OR "x-ray absorptiometry"[Text Word])) AND (((((Calcium Compounds[MeSH Terms]) OR Calcium[MeSH Terms]) OR calcium[Text Word])) AND (((((((Vitamin D[MeSH Terms]) OR ("Vitamin D*[Text Word] OR cholecalciferol*[Text Word] OR hydroxycholecalciferol*[Text Word] OR calcifediol*[Text Word] OR dihydroxycholecalciferol*[Text Word] OR calctriol*\$)))) OR ((ergocalciferol*[Text Word] OR dihydrotachysterol*[Text Word] OR rocaltrol*[Text Word]))) OR "25-Hydroxyvitamin D 2"[Text Word] OR "24,25-Dihydroxyvitamin D 3"[Text Word] OR "1,25-dihydroxyvitamin D3"[Text Word] OR "25-dihydroxyvitamin D3"[Text Word] OR ("1,25- dihydroxycholecalciferol"[Text Word] OR "25- dihydroxycholecalciferol"[Text Word])))</p>
#6	<p>Search (((((Calcium Compounds[MeSH Terms]) OR Calcium[MeSH Terms]) OR calcium[Text</p>

Search	Query
	<p>Word])) AND (((((((((Vitamin D[MeSH Terms]) OR ("Vitamin D*[Text Word] OR cholecalciferol*[Text Word] OR hydroxycholecalciferol*[Text Word] OR calcifediol*[Text Word] OR dihydroxycholecalciferol*[Text Word] OR calcitriol*\$)))))) OR ((ergocalciferol*[Text Word] OR dihydrotachysterol*[Text Word] OR rocaltrol*[Text Word]))) OR "25-Hydroxyvitamin D 2"[Text Word]) OR "24,25-Dihydroxyvitamin D 3"[Text Word]) OR "1,25-dihydroxyvitamin D3"[Text Word]) OR "25-dihydroxyvitamin D3"[Text Word] OR ("1,25-dihydroxycholecalciferol"[Text Word] OR "25-dihydroxycholecalciferol"[Text Word]))))</p>
#5	<p>Search (((((((((Vitamin D[MeSH Terms]) OR ("Vitamin D*[Text Word] OR cholecalciferol*[Text Word] OR hydroxycholecalciferol*[Text Word] OR calcifediol*[Text Word] OR dihydroxycholecalciferol*[Text Word] OR calcitriol*\$)))))) OR ((ergocalciferol*[Text Word] OR dihydrotachysterol*[Text Word] OR rocaltrol*[Text Word]))) OR "25-Hydroxyvitamin D 2"[Text Word]) OR "24,25-Dihydroxyvitamin D 3"[Text Word]) OR "1,25-dihydroxyvitamin D3"[Text Word]) OR "25-dihydroxyvitamin D3"[Text Word] OR ("1,25-dihydroxycholecalciferol"[Text Word] OR "25-dihydroxycholecalciferol"[Text Word]))</p>
#4	<p>Search ((Calcium Compounds[MeSH Terms]) OR Calcium[MeSH Terms]) OR calcium[Text Word]</p>
#3	<p>Search (((((Glucocorticoids[MeSH Terms]) OR Steroids[MeSH Terms]) OR ((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word]))) AND (((((((((((((((Osteoporosis[MeSH Terms]) OR Bone Diseases, Metabolic/ci[MeSH Terms]) OR Bone Diseases/chemically induced[MeSH Terms]) OR Bone Resorption[MeSH Terms]) OR ((Bone and Bones/drug effects[MeSH Terms]))) OR bone</p>

Search	Query
	<p>resorption[Text Word] OR ((osteopaenia[Text Word] OR osteopenia[Text Word] OR osteoporos*[Text Word])) OR Fractures, Bone[MeSH Terms] OR fracture*[Text Word] OR Bone Density[MeSH Terms] OR ((bone density[Text Word] OR bone mass[Text Word] OR bone mineral*[Text Word] OR bone demineral*[Text Word] OR bone loss[Text Word] OR bone decalcif*[Text Word] OR bone strength[Text Word])) OR BMD[Text Word] OR Densitometry[MeSH Terms] OR ((densitometry[Text Word] OR dexam[Text Word] OR dxa[Text Word])) OR ((fracture assessment[Text Word] OR fracture reassessment[Text Word] OR fracture re-assessment[Text Word])) OR ((FRAX[Text Word] OR VFA[Text Word])) OR "T score"[Text Word] OR "x-ray absorptiometry"[Text Word]</p>
#2	<p>Search (((((((((((((((Osteoporosis[MeSH Terms] OR Bone Diseases, Metabolic/ci[MeSH Terms] OR Bone Diseases/chemically induced[MeSH Terms] OR Bone Resorption[MeSH Terms] OR ((Bone and Bones/drug effects[MeSH Terms])) OR bone resorption[Text Word] OR ((osteopaenia[Text Word] OR osteopenia[Text Word] OR osteoporos*[Text Word])) OR Fractures, Bone[MeSH Terms] OR fracture*[Text Word] OR Bone Density[MeSH Terms] OR ((bone density[Text Word] OR bone mass[Text Word] OR bone mineral*[Text Word] OR bone demineral*[Text Word] OR bone loss[Text Word] OR bone decalcif*[Text Word] OR bone strength[Text Word])) OR BMD[Text Word] OR Densitometry[MeSH Terms] OR ((densitometry[Text Word] OR dexam[Text Word] OR dxa[Text Word])) OR ((fracture assessment[Text Word] OR fracture reassessment[Text Word] OR fracture re-assessment[Text Word])) OR ((FRAX[Text Word] OR VFA[Text Word])) OR "T score"[Text Word] OR "x-ray absorptiometry"[Text Word]</p>
#1	<p>Search ((Glucocorticoids[MeSH Terms] OR Steroids[MeSH Terms]) OR</p>

Search	Query
	((glucocorticoid*[Text Word] OR steroid*[Text Word] OR methylprednisilone[Text Word] OR prednisone[Text Word] OR prednisolone[Text Word]))

GIOP Embase Search Strategy – October 7, 2015; updated April 23, 2016

Syntax Guide for OVID Embase	
/ = At the end of a word or phrase means that it is searched as a subject heading	Exp = A command to retrieve all narrower Emtree terms
* At the beginning of a term indicates a focused search for that subject term	Adj = Adjacency; terms are adjacent to each other, in either direction ; adj2 = terms are within 2 words of each other, in either direction
\$ = truncation symbol	Limit = Command to limit results to age groups, years, language, publication types, etc.
.ti,ab. = Word or phrase is searched for in the title and abstract	.tw.. = textword; in Embase, includes words in title, abstract, and drug trade name
.kw. = contains keywords defined by the author of the article	.ci. = chemically induced (Medical Subject Heading subheading); .de. = drug effects
Boolean Operators	
OR = retrieves results that include at least one of the search terms	AND = retrieves results that include all the search terms
NOT = excludes the retrieval of terms from the search	

Database: Embase <1974 to 2015 October 07>

Search Strategy:

-
- 1 exp glucocorticoid/
 - 2 exp steroid/
 - 3 (glucocorticoid\$ or steroid\$ or methylprednisilone or prednisone or prednisolone).tw,kw.
 - 4 or/1-3
 - 5 exp bone demineralization/
 - 6 exp osteoporosis/
 - 7 bone fragility/
 - 8 demineralization/
 - 9 exp metabolic bone disease/
 - 10 osteolysis/
 - 11 (bone adj (demineral\$ or fragil\$ or resorption)).tw,kw.
 - 12 (osteop?enia or osteoporo\$).tw,kw.
 - 13 osteolysis.tw,kw.
 - 14 exp fracture/

15 fracture\$.tw,kw.
16 bone density/
17 (bone adj (density or mass or mineral\$ or loss)).tw,kw.
18 BMD.tw,kw.
19 bone densitometry/
20 (dexa or dxa).tw,kw.
21 dual energy x ray absorptiometry/
22 dual energy x ray absorptiometry.tw,kw.
23 (fracture adj2 (assessment or reassessment or re-assessment)).tw,kw.
24 (FRAX or VFA).tw,kw.
25 Vertebral Fracture Assessment.tw,kw.
26 "T score".tw,kw.
27 or/5-26
28 4 and 27
29 *calcium/
30 calcium\$.tw,kw.
31 *calcium carbonate/
32 *calcium intake/
33 or/29-32
34 exp *vitamin D/
35 ("Vitamin D\$" or cholecalciferol\$ or hydroxycholecalciferol\$ or calcifediol\$ or dihydroxycholecalciferol\$ or calcitriol\$).tw,kw.
36 (ergocalciferol\$ or dihydrotachysterol\$ or rocaltrol\$).tw,kw.
37 ("25-Hydroxyvitamin D 2" or "24,25-Dihydroxyvitamin D 3" or "1,25-dihydroxyvitamin D3" or "25-dihydroxyvitamin D3").tw,kw.
38 ("1,25-dihydroxycholecalciferol" or "25-dihydroxycholecalciferol").tw,kw.
39 or/34-38
40 33 and 39
41 (lifestyle adj (modification\$ or change\$)).tw,kw.
42 *resistance training/
43 exp *exercise/
44 exp *sport/
45 *fitness/
46 (strengthen\$ or isometric\$ or isotonic\$ or isokinetic\$ or aerobic\$ or physical fitness or weight bearing or weight lifting).tw,kw.
47 *fall risk assessment/
48 *falling/

49 *risk assessment/
50 48 and 49
51 *smoking cessation/
52 "tobacco use cessation".tw,kw.
53 *drinking behavior/
54 (alcohol adj2 (reduct\$ or moderat\$)).tw,kw.
55 *sun exposure/
56 (exposure adj sun\$).tw,kw.
57 *nutritional counseling/
58 ((diet\$ or nutrition\$) adj counsel?ing).tw,kw.
59 or/41-47,50-58
60 exp *bisphosphonic acid derivative/
61 bisphosphonate\$.tw,kw.
62 *alendronic acid/
63 alendronate\$.tw,kw.
64 fosamax.tw,kw.
65 *risedronic acid/
66 risedronate\$.tw,kw.
67 actonel.tw,kw.
68 atelvia.tw,kw.
69 *ibandronic acid/
70 ibandronate\$.tw,kw.
71 Boniva.tw,kw.
72 *zoledronic acid/
73 zoledronic acid.tw,kw.
74 (Reclast or Zometa).tw,kw.
75 *raloxifene/
76 raloxifene.tw,kw.
77 Evista.tw,kw.
78 teriparatide.tw,kw.
79 *"parathyroid hormone[1-34]"/
80 forteo.tw,kw.
81 *denosumab/
82 or/59-81
83 (28 and 40) or (28 and 40 and 82)
84 14 or 15
85 *risk assessment/ or *risk factor/

86 (risk assess\$ or risk reassess\$ or risk profile\$ or risk index).tw,kw.
87 85 or 86
88 84 and 87
89 or/19-22,24-26
90 87 and 89
91 23 or 88 or 90
92 4 and 91
93 83 or 92
94 ((animal\$ or nonhumans) not human\$.sh,hw.
95 93 not 94
96 limit 95 to conference abstract
97 limit 95 to conference paper
98 limit 95 to conference proceeding
99 limit 95 to "conference review"
100 limit 95 to editorial
101 limit 95 to letter
102 or/96-101
103 95 not 102
104 case report/ or case study/
105 (case\$ adj2 report\$.tw.
106 (case\$ adj2 stud\$.tw.
107 or/104-106
108 103 not 106
109 limit 108 to english language

GIOP Cochrane Library Search – October 8, 2015; updated April 23, 2016

Syntax Guide for Cochrane (Wiley)	
MeSH descriptor = Medical Subject Heading	ti,ab,kw = Word appears in title, abstract or keyword field of record
near/2 = Terms must be within two words of each other	Next = terms must be adjacent, e.g. bone next density means that the term beginning with bone must be adjacent to the term beginning with density
* = truncation symbol	
Boolean Operators	
OR = retrieves results that include at least one of the search terms	AND = retrieves results that include all the search terms
NOT = excludes the retrieval of terms from the search	

- #1 MeSH descriptor: [Glucocorticoids] explode all trees
- #2 MeSH descriptor: [Steroids] explode all trees
- #3 glucocorticoid* or steroid* or methylprednisilone or prednisone or prednisolone:ti,ab,kw
(Word variations have been searched)
- #4 {or #1-#3}
- #5 MeSH descriptor: [Osteoporosis] explode all trees
- #6 MeSH descriptor: [Bone Diseases, Metabolic] explode all trees and with qualifier(s):
[Chemically induced - CI]
- #7 MeSH descriptor: [Bone Diseases] explode all trees and with qualifier(s): [Chemically induced - CI]
- #8 MeSH descriptor: [Bone Resorption] explode all trees
- #9 MeSH descriptor: [Bone and Bones] explode all trees and with qualifier(s): [Drug effects - DE]
- #10 bone resorption:ti,ab,kw (Word variations have been searched)
- #11 osteop*enia:ti,ab,kw (Word variations have been searched)
- #12 MeSH descriptor: [Fractures, Bone] explode all trees
- #13 fractur*:ti,ab,kw (Word variations have been searched)
- #14 MeSH descriptor: [Bone Density] this term only
- #15 bone next (density or mass or mineral* or demineral* or loss or decalcif* or strength):ti,ab,kw (Word variations have been searched)
- #16 BMD:ti,ab,kw (Word variations have been searched)
- #17 MeSH descriptor: [Densitometry] explode all trees
- #18 densitometry or DEXA or DXA:ti,ab,kw (Word variations have been searched)

- #19 fracture near/2 (assessment or reassessment or re-assessment):ti,ab,kw (Word variations have been searched)
- #20 FRAX or VFA:ti,ab,kw (Word variations have been searched)
- #21 "T score":ti,ab,kw (Word variations have been searched)
- #22 "x-ray absorptiometry":ti,ab,kw (Word variations have been searched)
- #23 {or #5-#22}
- #24 #4 and #23
- #25 MeSH descriptor: [Calcium Compounds] explode all trees
- #26 MeSH descriptor: [Calcium] this term only
- #27 calcium:ti,ab,kw (Word variations have been searched)
- #28 {or #25-#27}
- #29 MeSH descriptor: [Vitamin D] explode all trees
- #30 "Vitamin D" or cholecalciferol* or hydroxycholecalciferol* or calcifediol* or dihydroxycholecalciferol* or calcitriol*:ti,ab,kw (Word variations have been searched)
- #31 ergocalciferol* or dihydrotachysterol* or rocaltrol*:ti,ab,kw (Word variations have been searched)
- #32 "25-Hydroxyvitamin D 2" or "24,25-Dihydroxyvitamin D 3" or "1,25-dihydroxyvitamin D3" or "25-dihydroxyvitamin D3":ti,ab,kw (Word variations have been searched)
- #33 "1,25-dihydroxycholecalciferol" or "25-dihydroxycholecalciferol":ti,ab,kw (Word variations have been searched)
- #34 {or #29-#33}
- #35 #28 and #34
- #36 #24 and #35
- #37 lifestyle next (modif* or change*):ti,ab,kw (Word variations have been searched)
- #38 MeSH descriptor: [Exercise] explode all trees
- #39 MeSH descriptor: [Sports] explode all trees
- #40 MeSH descriptor: [Resistance Training] explode all trees
- #41 MeSH descriptor: [Physical Fitness] explode all trees
- #42 strengthen* or isometric* or isotonic* or isokinetic* or aerobic* or "physical fitness" or "weight bearing" or "weight lifting":ti,ab,kw (Word variations have been searched)
- #43 MeSH descriptor: [Accidental Falls] explode all trees
- #44 MeSH descriptor: [Risk Assessment] explode all trees
- #45 MeSH descriptor: [Risk Factors] explode all trees
- #46 #44 or #45
- #47 #43 and #46
- #48 fall* near (risk assess* or risk profile):ti,ab,kw (Word variations have been searched)
- #49 fall near (risk screening or risk index):ti,ab,kw (Word variations have been searched)

- #50 MeSH descriptor: [Smoking Cessation] this term only
- #51 "tobacco use cessation":ti,ab,kw (Word variations have been searched)
- #52 MeSH descriptor: [Alcohol Drinking] explode all trees
- #53 alcohol near (reduct* or moderat*):ti,ab,kw (Word variations have been searched)
- #54 MeSH descriptor: [Sunlight] this term only
- #55 exposure near sun*:ti,ab,kw (Word variations have been searched)
- #56 MeSH descriptor: [Nutritional Sciences] explode all trees
- #57 MeSH descriptor: [Counseling] explode all trees
- #58 #56 and #57
- #59 (diet* or nutrition*) next (counselling or counseling):ti,ab,kw (Word variations have been searched)
- #60 {or #37-#42, #47-#55, #58-#59}
- #61 MeSH descriptor: [Diphosphonates] explode all trees
- #62 bisphosphonate*:ti,ab,kw (Word variations have been searched)
- #63 MeSH descriptor: [Alendronate] this term only
- #64 alendronate*:ti,ab,kw (Word variations have been searched)
- #65 Fosamax:ti,ab,kw (Word variations have been searched)
- #66 risedronate*:ti,ab,kw (Word variations have been searched)
- #67 Actonel:ti,ab,kw (Word variations have been searched)
- #68 Atelvia:ti,ab,kw (Word variations have been searched)
- #69 ibandronate*:ti,ab,kw (Word variations have been searched)
- #70 Boniva:ti,ab,kw (Word variations have been searched)
- #71 zoledronic:ti,ab,kw (Word variations have been searched)
- #72 Reclast or Zometa:ti,ab,kw (Word variations have been searched)
- #73 MeSH descriptor: [Raloxifene] this term only
- #74 raloxifene:ti,ab,kw (Word variations have been searched)
- #75 Evista:ti,ab,kw (Word variations have been searched)
- #76 MeSH descriptor: [Teriparatide] this term only
- #77 teriparatide:ti,ab,kw (Word variations have been searched)
- #78 Forteo:ti,ab,kw (Word variations have been searched)
- #79 denosumab:ti,ab,kw (Word variations have been searched)
- #80 {or #60-#79}
- #81 #24 and #35 and #80
- #82 #36 or #81
- #83 #12 or #13
- #84 MeSH descriptor: [Risk Assessment] this term only

#85 "risk assess*" or "risk reassess*" or "risk re-assess*" or "risk profil*" or "risk index":ti,ab,kw (Word variations have been searched)

#86 #84 or #85

#87 #83 and #86

#88 {or #17-#18, #20-#22}

#89 #86 and #88

#90 #19 or #87 or #89

#91 #81 or #82 or #90