

Supplementary Material: Sample Search Strategy

February 24, 2022

Supplementary 1: MEDLINE search strategy

#	Searches
1.	Osteoporosis/
2.	(“Osteoporoses or “Osteoporosis, Senile” or “Senile Osteoporoses” or “Osteoporoses, Senile” or “Senile Osteoporoses” or “Senile Osteoporosis” or “Osteoporosis, Involutional”).mp.
3.	(“Osteoporosis, Age-Related” or “Osteoporosis, Age Related” or “Bone Loss, Age-Related” or “Age-Related Bone Loss” or “Age-Related Bone Losses” or “Bone Loss, Age Related”).mp.
4.	(“Bone Losses, Age-Related” or “Age-Related Osteoporosis” or “Age Related Osteoporosis” or “Age-Related Osteoporoses” or “Osteoporoses, Age-Related”).mp.
5.	Postmenopausal Osteoporosis/
6.	(“Perimenopausal Bone Loss” or “Bone Loss, Postmenopausal” or “Bone Losses, Postmenopausal” or “Postmenopausal Bone Losses” or “Osteoporosis, Post-Menopausal” or Osteoporoses, Post-Menopausal” or “Osteoporosis, Post Menopausal” or “Post-Menopausal Osteoporoses” or “Post-Menopausal Osteoporosis” or “Postmenopausal Osteoporosis” or “Osteoporoses, Postmenopausal” or “Postmenopausal Osteoporoses” or “Bone Loss, Perimenopausal” or “Bone Losses, Perimenopausal” or “Perimenopausal Bone Losses” or “Postmenopausal Bone Loss”).mp.
7.	or /1-6
8.	Hydroxymethylglutaryl CoA Reductase Inhibitors/
9.	(“Inhibitors, Hydroxymethylglutaryl-CoA Reductase” or “Reductase Inhibitors, Hydroxymethylglutaryl-CoA” or “HMG-CoA Reductase Inhibitor” or “HMG CoA Reductase Inhibitor”).mp.
10.	8 or 9
11.	Statin/
12.	(“Statins” or “Statins, HMG-CoA” or “HMG-CoA Statins” or “Statins, HMG CoA”).mp.
13.	(“Inhibitors, HMG-CoA Reductase” or “Inhibitors, HMG CoA Reductase” or “Reductase Inhibitors, HMG-CoA” or “HMG-CoA Reductase Inhibitors” or “HMG

	CoA Reductase Inhibitors” or “Inhibitors, Hydroxymethylglutaryl-Coenzyme A” or “Hydroxymethylglutaryl-Coenzyme A Inhibitors” or “Inhibitors, Hydroxymethylglutaryl Coenzyme A” or “Inhibitors, Hydroxymethylglutaryl-CoA” or “Hydroxymethylglutaryl-CoA Inhibitors” or “Inhibitors, Hydroxymethylglutaryl CoA” or “Hydroxymethylglutaryl-CoA Reductase Inhibitor” or “Hydroxymethylglutaryl CoA Reductase Inhibitor” or “Reductase Inhibitor, Hydroxymethylglutaryl-CoA”).mp.
14.	or/11-13
15.	Lovastatin/
16.	(“Mevinolin” or “Monacolin K” or “6-Methylcompactin” or “6 Methylcompactin” or “MK-803” or “MK 803” or “MK803” or “Mevacor” or “Lovastatin, (1 alpha(S*))-Isomer” or “Lovastatin, 1 alpha-Isomer” or “1 alpha-Isomer Lovastatin” or “Lovastatin, 1 alpha Isomer” or “alpha-Isomer Lovastatin, 1”).mp.
17.	15 or 16
18.	Pravastatin/
19.	(“Eptastatin” or “Vasten” or “CS-514” or “CS 514” or “CS514” or “Lin-Pravastatin” or “Lin Pravastatin” or “Lipemol” or “Liplat” or “Nu-Pravastatin” or “Nu Pravastatin” or “Prareduct” or “Pravachol” or “Elisor” or “Selektine” or “Lipostat” or “Pravacol” or “Pravasin” or “Pravastatin Monosodium Salt, (6 beta)-Isomer” or “Pravastatin Sodium” or “Pravastatin Sodium Salt” or “Sodium Salt, Pravastatin” or “Pravastatin tert-Octylamine Salt” or “Pravastatin tert Octylamine Salt” or “Pravastatin, (6 beta)-Isomer” or “RMS-431” or “RMS 431” or “RMS431” or “SQ-31000” or “SQ 31000” or “SQ31000” or “SQ-31,000” or “SQ 31,000” or “SQ31,000” Apo-Pravastatin” or “Apo Pravastatin” or “Bristacol”).mp.
20.	18 or 19
21.	Simvastatin/
22.	(“Zocor” or “MK-733” or “MK 733” or “MK733” or “Synvinolin”).mp.
23.	21 or 22
24.	Fluvastatin /
25.	(“Fluvastatin Sodium” or “Fluvastatin Sodium Salt” or “Fluindostatin” or “Lescol” or “XU 62-320” or “XU 62 320” or “XU-62320” or “XU62320” or “XU 62320” or “7-(3-(4-Fluorophenyl)-1-(1-methylethyl)-1H-indol-2-yl)-3,5-dihydroxy-6-heptenoate”).mp.
26.	24 or 25

27.	Atorvastatin/
28.	(“(3R,5R)-7-(2-(4-Fluorophenyl)-5-isopropyl-3-phenyl-4-(phenylcarbamoyl)-1H-pyrrol-1-yl)-3,5-dihydroxyheptanoic acid” or “Atorvastatin Calcium” or “Atorvastatin, Calcium Salt” or “Liptonorm” or “Lipitor” or “Atorvastatin Calcium Hydrate” or “Atorvastatin Calcium Anhydrous” or “CI 981” or “CI-981” or “CI981” or “Atorvastatin Calcium Trihydrate”).mp.
29.	27 or 28
30.	Rosuvastatin Calcium /
31.	(“Calcium, Rosuvastatin” or “Crestor” or “Rosuvastatin” or “ZD4522” or “ZD 4522”).mp.
32.	30 or 31
33.	Pitavastatin/
34.	(“itavastatin” or “(E,3R,5S)-7-(2-cyclopropyl-4-(4-fluorophenyl)quinolin-3-yl)-3,5-dihydroxyhept-6-enoic acid” or “P 872441” or “P-872441” or “NK 104” or “NK-104” or “pitavastatin calcium” or “itavastatin calcium” or “pitavastatin lactone” or “nisvastatin”).mp.
35.	33 or 34
36.	10 or 14 or 17 or 20 or 23 or 26 or 29 or 32 or 35
37.	Placebo/
38.	36 or 37
39.	Fracture/
40.	(“Bone Densities” or “Density, Bone” or “Bone Mineral Density” or “Bone Mineral Densities” or “Density, Bone Mineral” or Bone Mineral Content” or “Bone Mineral Contents”).mp.
41.	adverse events/
42.	Bone turnover marker/
43.	N-terminal propeptide of type I procollagen/
44.	(“P-I-P peptide” or “Type I procollagen N-terminal peptide” or “PINP peptide” or “amino terminal propeptide of type I collagen” or “PINP peptide” or “fetal antigen 2, human” or “foetal antigen 2, human” or “FA2 antigen, human” or “aminoterminal propeptide of type I collagen, human” or “collagen type I, amino-propeptide, human”).mp.
45.	C terminal telopeptide of type I collagen

46.	("trimeric cross-linked peptide collagen type I" or "C-terminal type I collagen telopeptide" or "CTCLP" or "CTx telopeptide" or "serum carboxyterminal telopeptide type I collagen" or "ICTP peptide" or "C-terminal telopeptide of type I collagen" or "COOH-terminal telopeptide of type I collagen" or "C-terminal cross-linking telopeptide, collagen type I" or "N-telopeptide" or "N-terminal type I collagen telopeptide" or "NTx telopeptide" or "pyridinoline cross-linked carboxy-terminal telopeptide, collagen type I" or "C-telopeptide" or "i-ICTP").mp.
47.	cross-linked N-telopeptide of type I collagen
48.	("trimeric cross-linked peptide collagen type I" or "C-terminal type I collagen telopeptide" or "CTCLP" or "CTx telopeptide" or "serum carboxyterminal telopeptide type I collagen" or "ICTP peptide" or "C-terminal telopeptide of type I collagen" or "COOH-terminal telopeptide of type I collagen" or "C-terminal cross-linking telopeptide, collagen type I" or "N-telopeptide" or "N-terminal type I collagen telopeptide" or "NTx telopeptide" or "pyridinoline cross-linked carboxy-terminal telopeptide, collagen type I" or "C-telopeptide" or "i-ICTP").mp.
49.	alkaline phosphatase/
50.	or/39-49
51.	randomized controlled trial
52.	7 and 36 and 50 and 51

Supplementary 2: CBM search strategy

#	Searches
1.	"骨质疏松"[不加权:扩展] OR "骨质疏松, 绝经后"[不加权:扩展] OR "骨质疏松, 绝经后"[不加权:扩展] OR "骨质疏松"[不加权:扩展] OR "骨质疏松"[不加权:扩展] OR "骨质疏松"[不加权:扩展] OR "骨质疏松性骨折"[不加权:扩展] OR "骨质疏松"[不加权:扩展] OR "骨质疏松"[不加权:扩展]
2.	"羟甲基戊二酰基 CoA 还原酶抑制剂"[不加权:扩展]
3.	"阿托伐他汀钙"[不加权:扩展] OR "阿托伐他汀钙"[不加权:扩展] OR "阿托伐他汀钙"[不加权:扩展] OR "阿托伐他汀钙"[不加权:扩展] OR "阿托伐他汀钙"[不加权:扩展] OR "阿托伐他汀钙"[不加权:扩展]
4.	"瑞舒伐他汀钙"[不加权:扩展]
5.	"匹伐他汀钙"[不加权:扩展]
6.	"洛伐他汀钙"[不加权:扩展]

7.	“辛伐他汀钙”[不加权:扩展]
8.	“氟伐他汀钙”[不加权:扩展]
9.	安慰剂对照
10.	OR/2-9
11.	"骨折"[不加权:扩展] OR "骨折"[不加权:扩展] OR "骨折"[不加权:扩展] OR "脊柱骨折"[不加权:扩展] OR "胫骨骨折"[不加权:扩展] OR "胫骨骨折"[不加权:扩展] OR "Monteggia 骨折"[不加权:扩展] OR "Colles 骨折"[不加权:扩展] OR "Bankart 损伤"[不加权:扩展] OR "踝骨折"[不加权:扩展] OR "骨折, 应力性"[不加权:扩展] OR "骨折, 应力性"[不加权:扩展] OR "肩骨折"[不加权:扩展] OR "眶骨折"[不加权:扩展] OR "颌骨折"[不加权:扩展] OR "髌骨折"[不加权:扩展] OR "脊柱骨折"[不加权:扩展] OR "胫骨骨折"[不加权:扩展] OR "Salter-Harris 骨折"[不加权:扩展] OR "骨折"[不加权:扩展]
12.	骨转换标志物
13.	“I 型前胶原的 N 端前肽”
14.	PINP
15.	I 型胶原的 C 端端肽
16.	CTX
17.	I 型胶原的交联 N 端肽
18.	NTX
19.	碱性磷酸酶
20.	ALP
21.	OR/11-20
22.	"随机对照试验"[不加权:扩展]
23.	1 AND 10 AND 21