

**Supplementary Table 1. Syntax used and records identified through database searching.****PubMed <up to August 31, 2018>**

#1	Search "fatty liver AND bone mineral density" IN "humans"	61
#2	Search "nonalcoholic fatty liver AND bone mineral density" IN "humans"	38
#3	Search "non-alcoholic fatty liver AND bone mineral density" IN "humans"	32
#4	Search "NAFLD AND bone mineral density" IN "humans"	35
#5	Search "fatty liver AND osteoporosis" IN "humans"	68
#6	Search "nonalcoholic fatty liver AND osteoporosis" IN "humans"	45
#7	Search "non-alcoholic fatty liver AND osteoporosis" IN "humans"	36
#8	Search "NAFLD AND osteoporosis " IN "humans"	37
#9	Search "fatty liver AND osteoporotic fractures" IN "humans"	3
#10	Search "nonalcoholic fatty liver AND osteoporotic fractures" IN "humans"	4
#11	Search "non-alcoholic fatty liver AND osteoporotic fractures" IN "humans"	36
#12	Search "NAFLD AND osteoporotic fractures " IN "humans"	2
#13	Search "fatty liver AND fractures" IN "humans"	17
#14	Search "nonalcoholic fatty liver AND fractures" IN "humans"	11
#15	Search "non-alcoholic fatty liver AND fractures" IN "humans"	8
#16	Search "NAFLD AND fractures " IN "humans"	8
#17	Search "fatty liver AND fracture" IN "humans"	25
#18	Search "nonalcoholic fatty liver AND fracture" IN "humans"	16
#19	Search "non-alcoholic fatty liver AND fracture" IN "humans"	11
#20	Search "NAFLD AND fracture " IN "humans"	11

**PubMed <MeSH Terms> <up to August 31, 2018>**

#1	Search "fatty liver AND bone density" IN "humans"	26
#2	Search "non-alcoholic fatty liver AND bone density" IN "humans"	21
#3	Search "fatty liver AND osteoporosis" IN "humans"	22
#4	Search "non-alcoholic fatty liver AND osteoporosis" IN "humans"	16
#5	Search "fatty liver AND osteoporotic fractures" IN "humans"	0
#6	Search "non-alcoholic fatty liver AND osteoporotic fractures" IN "humans"	0
#7	Search "fatty liver AND fractures, bone" IN "humans"	3
#8	Search "non-alcoholic fatty liver AND fractures, bone" IN "humans"	3

**Web of Science <up to August 31, 2018>**

#1	Search "fatty liver AND bone mineral density" IN "humans"	136
#2	Search "nonalcoholic fatty liver AND bone mineral density" IN "humans"	39
#3	Search "non-alcoholic fatty liver AND bone mineral density" IN "humans"	24
#4	Search "NAFLD AND bone mineral density" IN "humans"	43
#5	Search "fatty liver AND osteoporosis" IN "humans"	116
#6	Search "nonalcoholic fatty liver AND osteoporosis" IN "humans"	35
#7	Search "non-alcoholic fatty liver AND osteoporosis" IN "humans"	27
#8	Search "NAFLD AND osteoporosis " IN "humans"	32
#9	Search "fatty liver AND osteoporotic fractures" IN "humans"	7
#10	Search "nonalcoholic fatty liver AND osteoporotic fractures" IN "humans"	6
#11	Search "non-alcoholic fatty liver AND osteoporotic fractures" IN "humans"	1
#12	Search "NAFLD AND osteoporotic fractures " IN "humans"	5
#13	Search "fatty liver AND fractures" IN "humans"	63
#14	Search "nonalcoholic fatty liver AND fractures" IN "humans"	22
#15	Search "non-alcoholic fatty liver AND fractures" IN "humans"	12
#16	Search "NAFLD AND fractures " IN "humans"	16
#17	Search "fatty liver AND fracture" IN "humans"	63
#18	Search "nonalcoholic fatty liver AND fracture" IN "humans"	22
#19	Search "non-alcoholic fatty liver AND fracture" IN "humans"	12
#20	Search "NAFLD AND fracture " IN "humans"	16

**Scopus <up to August 31, 2018>**

#1	Search "fatty liver AND bone mineral density" IN "humans"	83
#2	Search "nonalcoholic fatty liver AND bone mineral density" IN "humans"	39
#3	Search "non-alcoholic fatty liver AND bone mineral density" IN "humans"	23
#4	Search "NAFLD AND bone mineral density" IN "humans"	29
#5	Search "fatty liver AND osteoporosis" IN "humans"	328
#6	Search "nonalcoholic fatty liver AND osteoporosis" IN "humans"	146
#7	Search "non-alcoholic fatty liver AND osteoporosis" IN "humans"	48
#8	Search "NAFLD AND osteoporosis " IN "humans"	39
#9	Search "fatty liver AND osteoporotic fractures" IN "humans"	11

#10	Search “nonalcoholic fatty liver AND osteoporotic fractures” IN “humans”	9
#11	Search “non-alcoholic fatty liver AND osteoporotic fractures” IN “humans”	2
#12	Search "NAFLD AND osteoporotic fractures " IN “humans”	4
#13	Search "fatty liver AND fractures" IN “humans”	220
#14	Search “nonalcoholic fatty liver AND fractures” IN “humans”	99
#15	Search “non-alcoholic fatty liver AND fractures” IN “humans”	35
#16	Search "NAFLD AND fractures " IN “humans”	25
#17	Search "fatty liver AND fracture" IN “humans”	220
#18	Search “nonalcoholic fatty liver AND fracture” IN “humans”	99
#19	Search “non-alcoholic fatty liver AND fracture” IN “humans”	35
#20	Search "NAFLD AND fracture " IN “humans”	25