

## Supplementary Appendix 1. Search strategy

Database	Search query
Ovid MEDLINE	
#1	exp Osteoporosis
#2	exp Fractures, Bone
#3	Bone Density
#4	(osteopor* or fracture* or (bone adj2 density)). ab,kf,ti
#5	or/#1-#4
#6	Atrial Fibrillation
#7	exp Anticoagulants
#8	(warfarin or coumadin or acenocoumarol or Rivaroxaban or edoxaban or Apixaban or dabigatran or anticoagula* or anti-coagula*).ab,kw,nm,ti.
#9	or/#9-#10
#10	(oral* or DOAC).ab,kw,ti.
#11	#5 and #8 and #11 and #12
EMBASE	
#1	exp osteoporosis
#2	exp fracture
#3	exp bone density
#4	(osteopor* or fracture* or (bone adj2 density)).ab,kw,ti.
#5	or/#1-#4
#6	exp atrial fibrillation
#7	(fibril* or AFib or AF).ab,kw,ti.
#8	or/#6-#7
#9	exp anticoagulant agent
#10	(warfarin or coumadin or acenocoumarol or Rivaroxaban or edoxaban or Apixaban or dabigatran or anticoagula* or anti-coagula*).ab,du,kw,ti,tn.
#11	or/#9-#10
#12	(oral* or DOAC).ab,kw,ti.
#13	#5 and #8 and #11 and #12
SCOPUS	( TITLE-ABS-KEY ( osteopor* OR fracture* OR ( bone W/2 density ) ) AND TITLE-ABS-KEY ( fibril* OR afib OR af ) AND TITLE-ABS-KEY ( warfarin OR coumadin OR acenocoumarol OR rivaroxaban OR edoxaban OR apixaban OR dabigatran OR anticoagula* OR anti-coagula* ) AND TITLE-ABS-KEY ( oral* OR doac ) ) 144