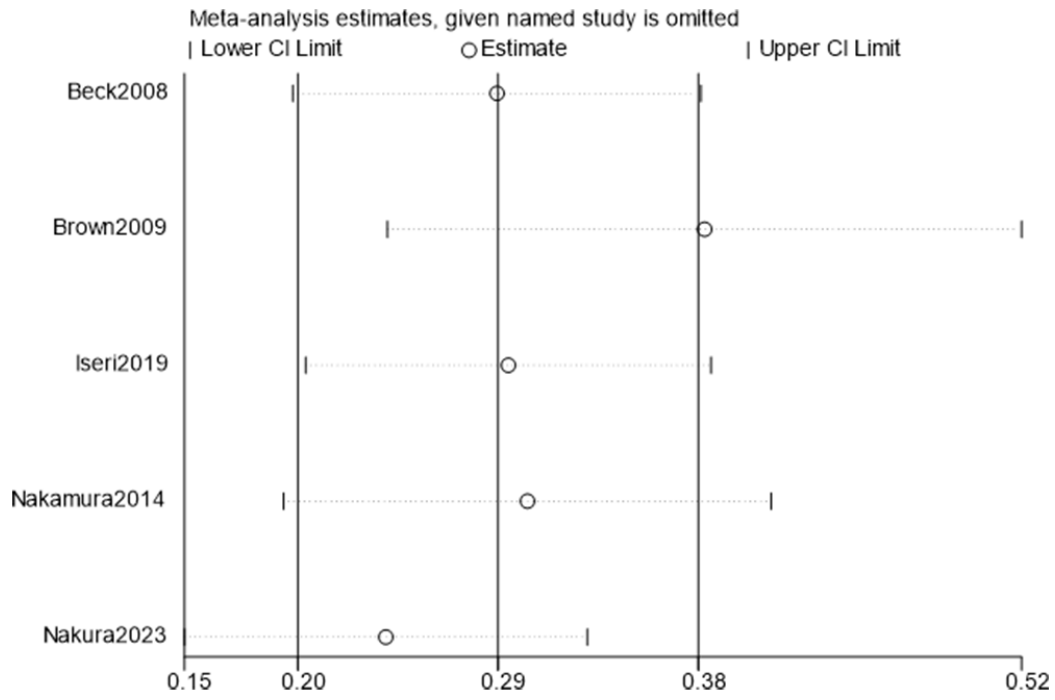
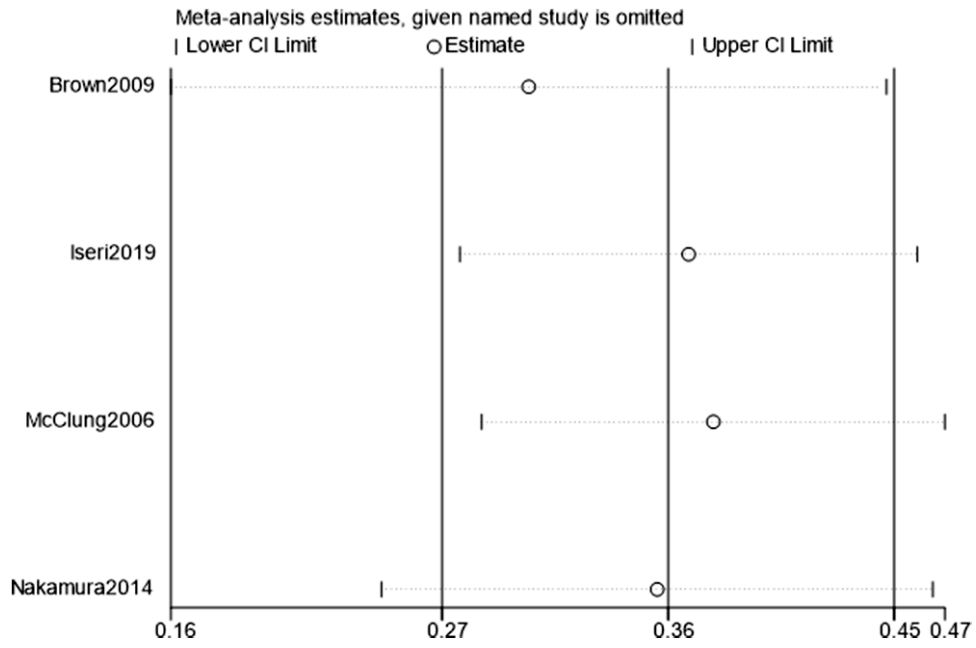


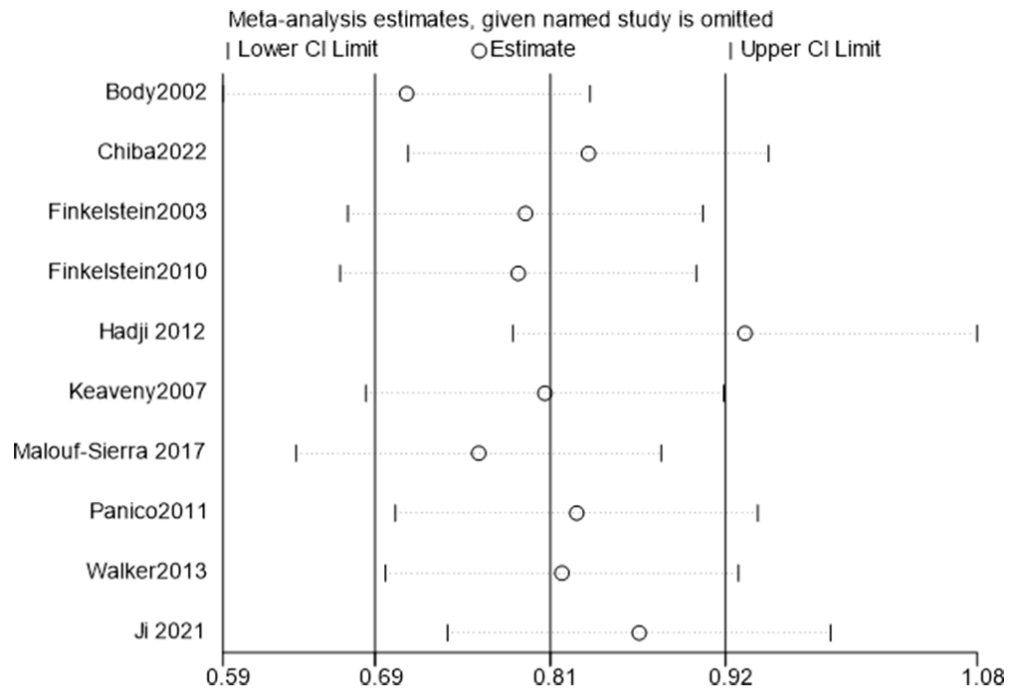
**Fig. S1.** Sensitivity analysis for comparing teriparatide versus bisphosphonates in percent changes at femoral neck BMD.



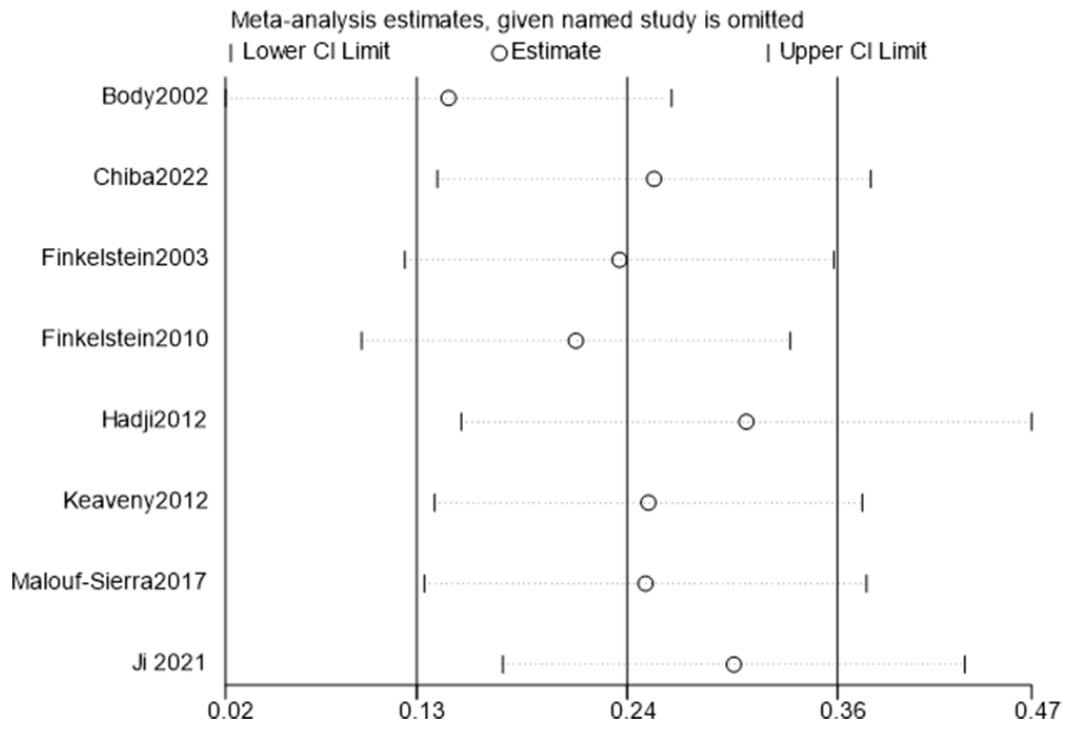
**Fig. S2.** Sensitivity analysis for comparing denosumab versus bisphosphonates in percent changes at femoral neck BMD.



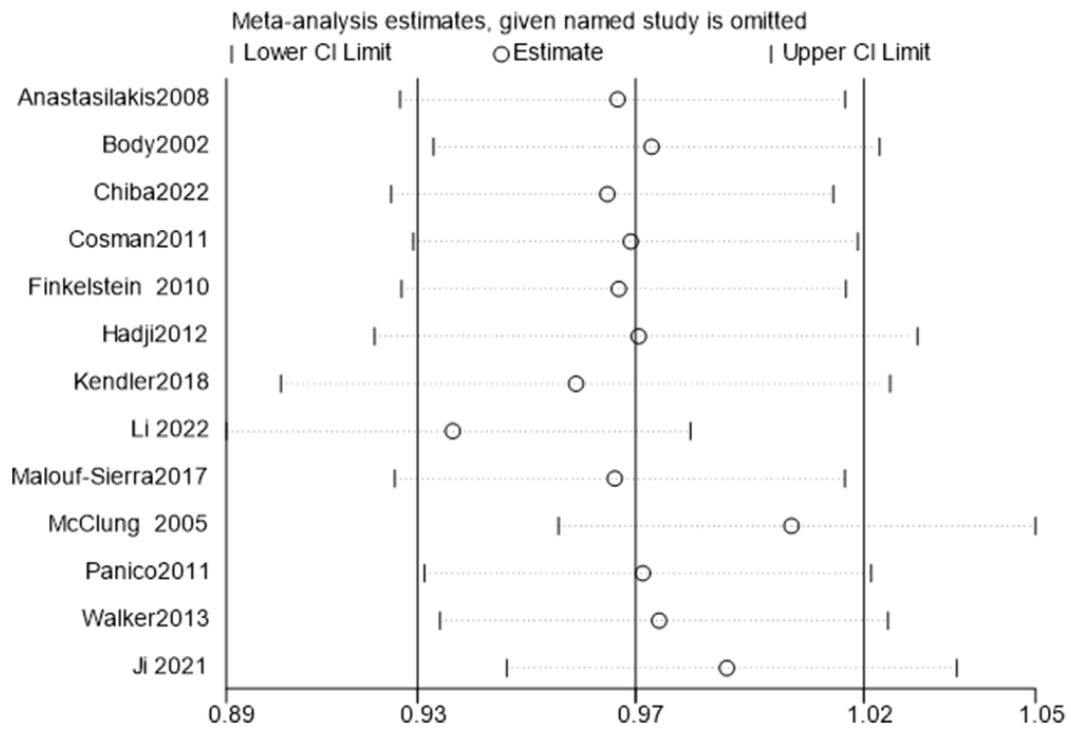
**Fig. S3.** Sensitivity analysis for comparing teriparatide versus bisphosphonates in percent changes at total hip BMD.



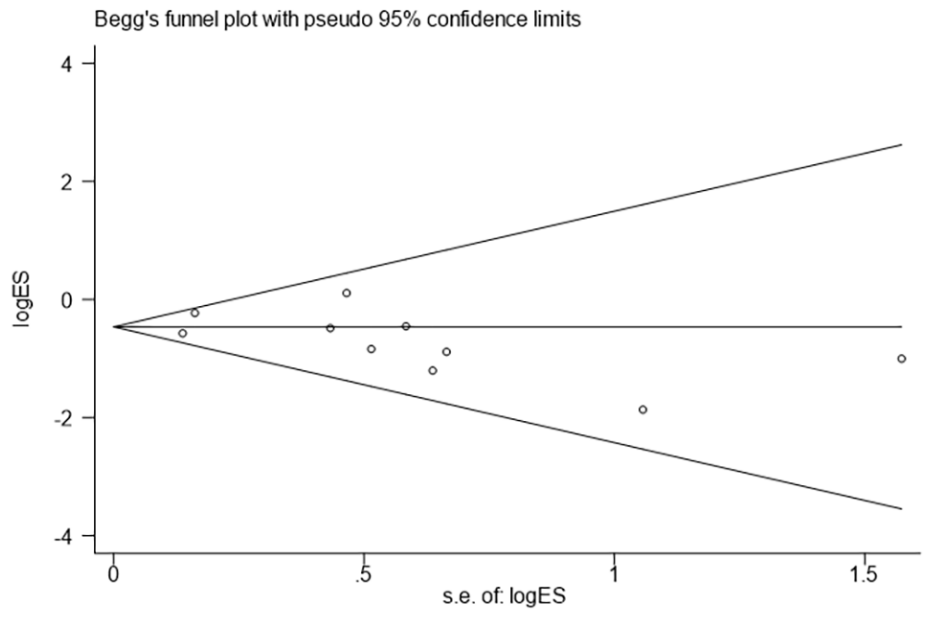
**Fig. S4.** Sensitivity analysis for comparing teriparatide versus bisphosphonates in percent changes at lumbar spine BMD.



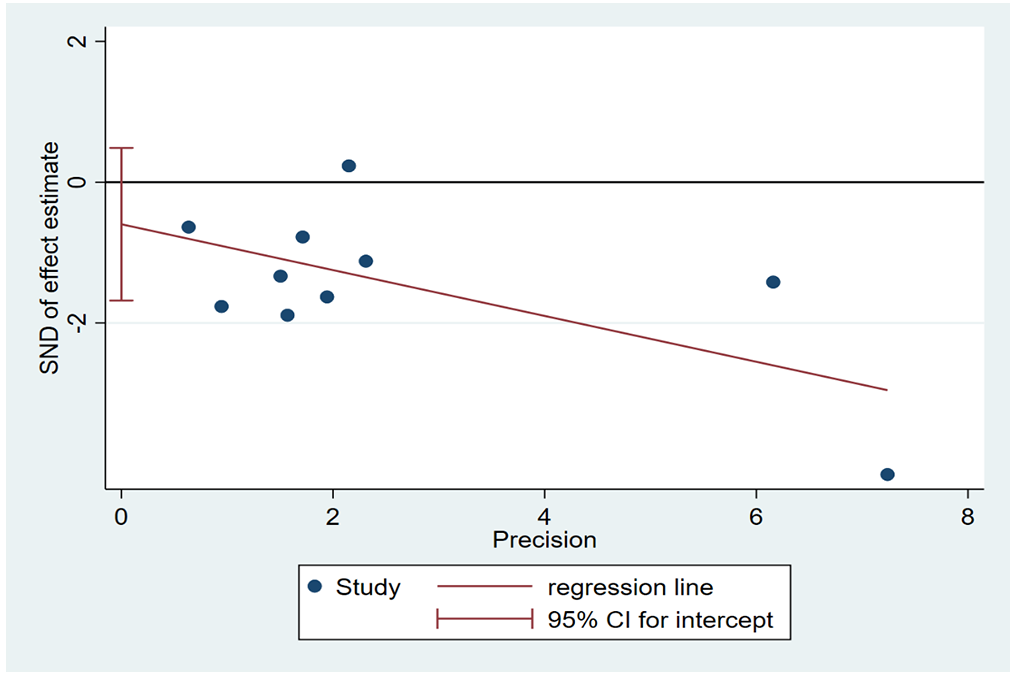
**Fig. S5.** Sensitivity analysis for comparing denosumab ver-sus bisphosphonates in percent changes at lumbar spine BMD.



**Fig. S6.** Sensitivity analysis for comparing teriparatide versus bisphosphonates in the incidence of adverse events.



**Fig. S7.** Begg's test for incidence of risk of fracture. **Fig. S8.** Egger's test for incidence of risk of fracture.



**Fig. S8.** Egger's test for incidence of risk of fracture.



**TABLES 1.** Search Strategy

<b>Database</b>	<b>Search Strategy</b>	<b>Results</b>
PubMed	#1 "Osteoporosis" [Mesh] #2 "Osteoporosis entry terms" [All fields] #3 #1 OR#2 #4 "Teriparatide" [Mesh] #5 "Teriparatide entry terms" [All fields] #6 #4 OR#5 #7 "Denosumab" [Mesh] #8 "Denosumab entry terms" [All fields] #9 #7 OR#8 #10 #6 OR #9 #11 #3AND #10 #12 #11AND randomized controlled trial	371
Embase	#1 'Osteoporosis'/exp #2 'Osteoporosis synonyms'/all fields #3 #1 OR#2 #4 'Teriparatide'/exp #5 'Teriparatide synonyms'/all fields #6 #4 OR#5 #7 'Denosumab'/exp #8 'Denosumab synonyms'/all fields #9 #7 OR#8 #10 #6 OR #9 #11 #3AND #10 #12 #11AND randomized controlled trial	713
Cochrane Library	#1 Mesh descriptor: [Osteoporosis] #2 (Osteoporosis synonyms): ti,ab,kw #3 #1 OR#2 #4 Mesh descriptor: [Teriparatide] #5 (Teriparatide synonyms): ti,ab,kw #6 #4 OR#5 #7 Mesh descriptor: [Denosumab] #8 (Denosumab synonyms): ti,ab,kw #9 #7 OR#8 #10 #6 OR #9 #11 #3AND #10 #12 #11AND randomized controlled trial	1115

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