

Supplementary Table 2. Comparison between the Current NHIC Guideline and the KORAM-M by Age

	NHIC guideline (%)	KORAM-M (%)
<70 yrs		
No. of subjects recommended for DXA testing	21/988 (2.1)	489/988 (49.5)
Sensitivity	9/52 (17.3)	42/52 (80.8)
Specificity	924/936 (98.7)	489/936 (52.2)
Positive predictive value	9/21 (42.9)	42/489 (8.6)
Negative predictive value	924/967 (95.6)	489/498 (98.2)
False negative rate	43/52 (82.7)	10/52 (19.2)
False positive rate	12/936 (1.3)	447/936 (47.8)
≥70 yrs		
No. of subjects recommended for DXA testing	352/352 (100.0)	319/352 (90.6)
Sensitivity	57/57 (100.0)	57/57 (100.0)
Specificity	0/295 (0.0)	33/295 (11.2)
Positive predictive value	57/352 (16.2)	57/319 (17.9)
Negative predictive value	0/0 (-)	33/33 (100.0)
False negative rate	0/57 (0.0)	0/57 (0.0)
False positive rate	295/295 (100.0)	262/295 (88.8)

NHIC, National Health Insurance Corporation; KORAM-M, Korean Osteoporosis Risk-Assessment Model for Men; DXA, dual-energy X-ray absorptiometry.