

**Supplementary Table 1.** Performance of the KORAM-M to Predict Osteoporosis According to Risk Category by Age

Risk category	Development dataset		Validation dataset	
	Total, n (column %)	Osteoporosis, n (row %)	Total, n (column %)	Osteoporosis, n (row %)
<b>&lt;70 yrs</b>				
High (<-27)	6 (0.6)	4 (66.7)	8 (1.0)	3 (37.5)
Intermediate (-27--9)	483 (48.9)	38 (7.9)	438 (53.1)	35 (8.0)
Low (>-9)	499 (50.5)	10 (2.0)	379 (45.9)	11 (2.9)
Total	988 (100.0)	52 (5.3)	825 (100.0)	49 (5.9)
<b>≥70 yrs</b>				
High (<-27)	50 (14.2)	22 (44.0)	16 (5.6)	9 (56.3)
Intermediate (-27--9)	269 (76.4)	35 (13.0)	232 (81.4)	33 (14.2)
Low (>-9)	33 (9.4)	0 (0.0)	37 (13.0)	0 (0.0)
Total	352 (100.0)	57 (16.2)	285 (100.0)	42 (14.7)

KORAM-M, Korean Osteoporosis Risk-Assessment Model for Men.