

Supplemental Table S2. Hazard Ratio of Osteoporosis between Low-Risk Group and High-Risk Group in Train Set

		Total	No. of event (%)	1,000 PY	HR (95% CI)	P value
RSF	Low risk	1,079	11 (1.0)	932.08	1.00	
	High risk	1,080	450 (41.7)	49,980.83	53.26 (29.28–96.89)	<0.001
Boruta-Cox	Low risk	1,079	175 (16.2)	15,624.85	1.00	
	High risk	1,080	286 (26.5)	29,776.42	1.89 (1.56–2.28)	<0.001
LASSO-Cox	Low risk	1,079	119 (11.0)	10,694.98	1.00	
	High risk	1,080	342 (31.7)	35,336.74	3.28 (2.66–4.04)	<0.001

1,000 PY, per 1,000 person-year; HR, hazard ratio; CI, confidence interval; RSF, random survival forest; Boruta-Cox, Cox proportional hazards regression with Boruta-selected features; LASSO-Cox, least absolute shrinkage and selection operator-penalized Cox proportional hazards regression.