

Supplemental Table S7. 10-year time-dependent AUC estimates of the PRS-enhanced model in the GERA European-ancestral participants. We presented time-dependent AUC estimates (95% confidence interval) of predicted 10-year absolute risk based on the PRS-enhanced model in GERA European ancestry participants. AUC estimates are based on the model including age, first-degree CRC family history, sex, endoscopy history and polygenic risk score (PRS).

Stratum	AUC	Difference to the lowest AUC in each stratification (95% CI)
Overall	0.72 (0.7, 0.74)	Not available
Age at study entry, years		
40-49	0.79 (0.73, 0.85)	15% (9%, 21%)
50-59	0.72 (0.68, 0.76)	8% (3%, 13%)
>=60	0.64 (0.62, 0.67)	Reference
First-degree CRC family History		
Negative	0.72 (0.7, 0.74)	Reference
Positive	0.73 (0.66, 0.79)	1% (-6%, 8%)
Sex		
Women	0.73 (0.7, 0.76)	2% (-2%, 6%)
Men	0.71 (0.68, 0.74)	Reference
Endoscopy history		
No	0.73 (0.7, 0.76)	1% (-3%, 6%)
Yes	0.72 (0.69, 0.74)	Reference