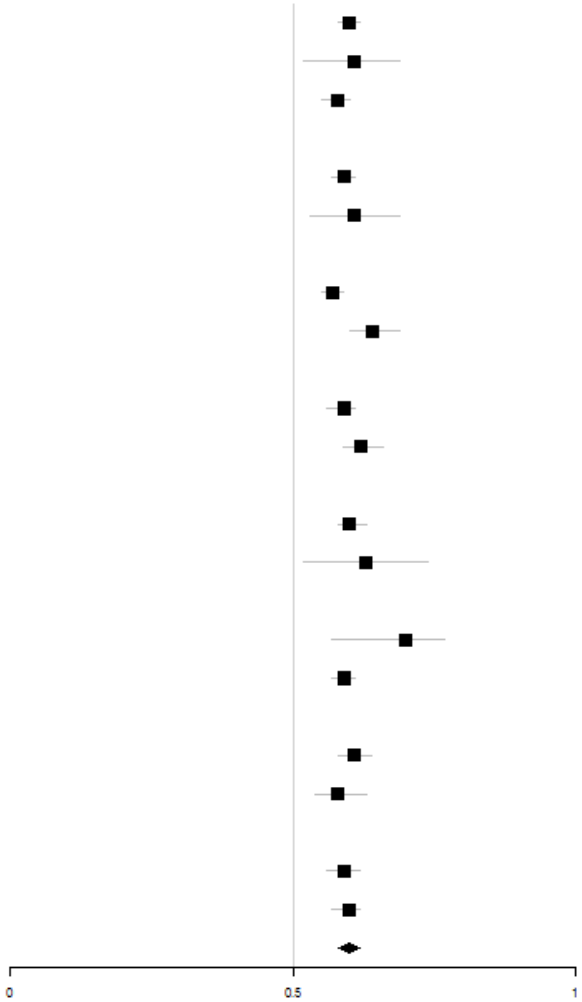
Subgroup	No. of studies	AUC (95%CI)	p-value
Geographic background			0.30
America	12	0.60(0.58-0.62)	
Asia	9	0.61(0.52-0.69)	
Europe and others	8	0.58(0.55-0.60)	
Study design			0.61
Cohort study	21	0.59(0.57-0.61)	
Other study types	8	0.61(0.53-0.69)	
Sample size			0.01
≥10000	16	0.57(0.55-0.59)	
<10000	13	0.64(0.60-0.69)	
Study quality			0.10
≥8 points	12	0.59(0.56-0.61)	
<8 points	16	0.62(0.59-0.66)	
Risk prediction period			0.63
5 years	25	0.60(0.58-0.63)	
10 years	3	0.63(0.52-0.74)	
Type of Gail model			0.12
Gail 1	5	0.70(0.57-0.77)	
Gail 2	23	0.59(0.57-0.61)	
Study period			0.30
Before 2000 year	17	0.61(0.58-0.64)	
After 2000 year	12	0.58(0.54-0.63)	
Population type			0.73
General population	9	0.59(0.56-0.62)	
High-risk population	9	0.60(0.57-0.62)	
Overall	**29**	**0.60(0.58-0.62)**	



Additional file 10. Subgroup analysis of the discrimination of the Gail model.