Subgroup	No. of studies		E/O ratio (95%CI)	p-value
Geographic region				<0.01
America	16		1.02(0.93-1.12)	
Asia	5		1.98(1.58-2.48)	
Europe and others	8		1.05(0.68-1.63)	
Sample size				0.14
≥10000	18		1.26(1.11-1.43)	
<10000	11		1.01(0.77-1.32)	
Study quality				0.37
≥8 points	11		1.08(0.86-1.37)	
<8 points	18		1.22(1.07-1.40)	
Risk prediction period				0.25
5 years	25		1.13(1.03-1.25)	
10 years	3		1.53(0.92-2.56)	
Type of Gail model				0.35
Gail 1	5		1.03(0.76-1.40)	
Gail 2	23		1.20(1.07-1.35)	
Study period				0.24
Before 2000 year	21		1.11(1.00-1.24)	
After 2000 year	7		1.42(0.96-2.09)	
Population type				0.66
General population	17		1.21(1.06-1.39)	
High-risk population	9		1.02(0.80-1.30)	
Overall	**29**		**1.16(1.05-1.30)**	

Additional file 3. Subgroup analysis of the calibration of the Gail model.