

Additional file 4: Fig S1-S4

**Optimizing colorectal cancer screening through polygenic risk
score-based risk stratification: evidence from a population-based
cohort and screening trial**

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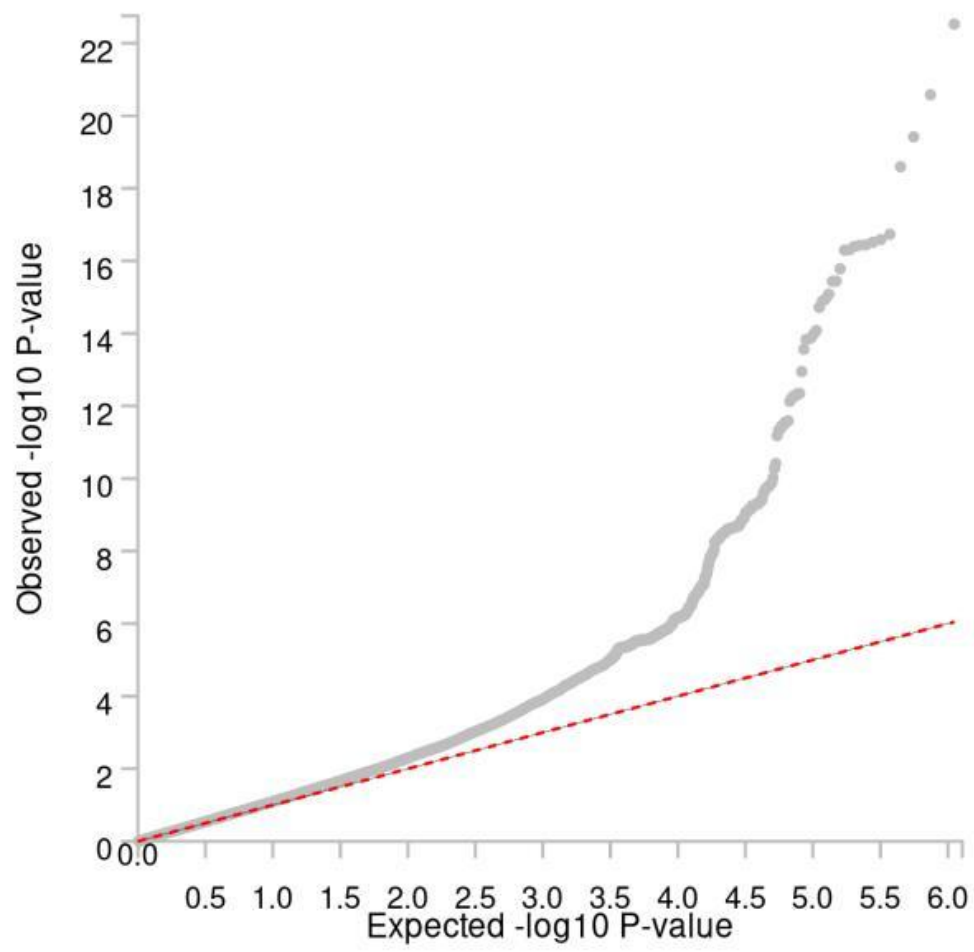


Fig S1. QQ plot of GWAS meta-analysis.

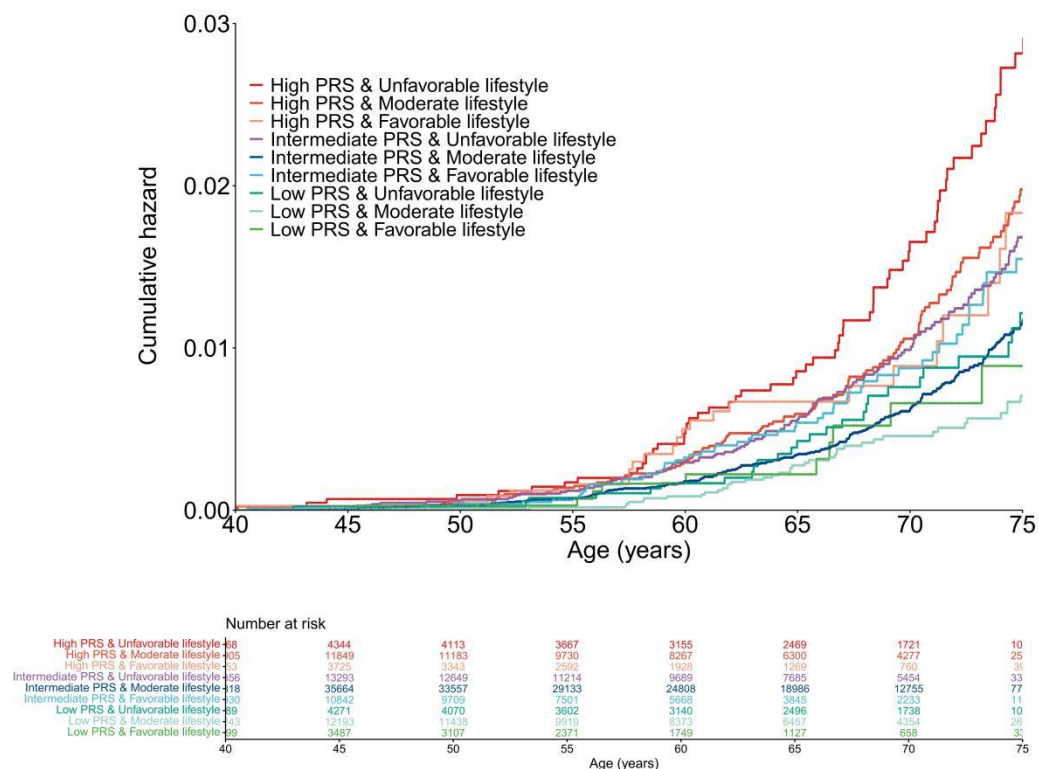


Fig S2. Cumulative incidence plot of colorectal cancer according to different genetic risk and lifestyle categories.

PRS levels were defined as low (bottom 20%), intermediate (20-80%), and high (top 20%); lifestyle was stratified by HLI tertiles.

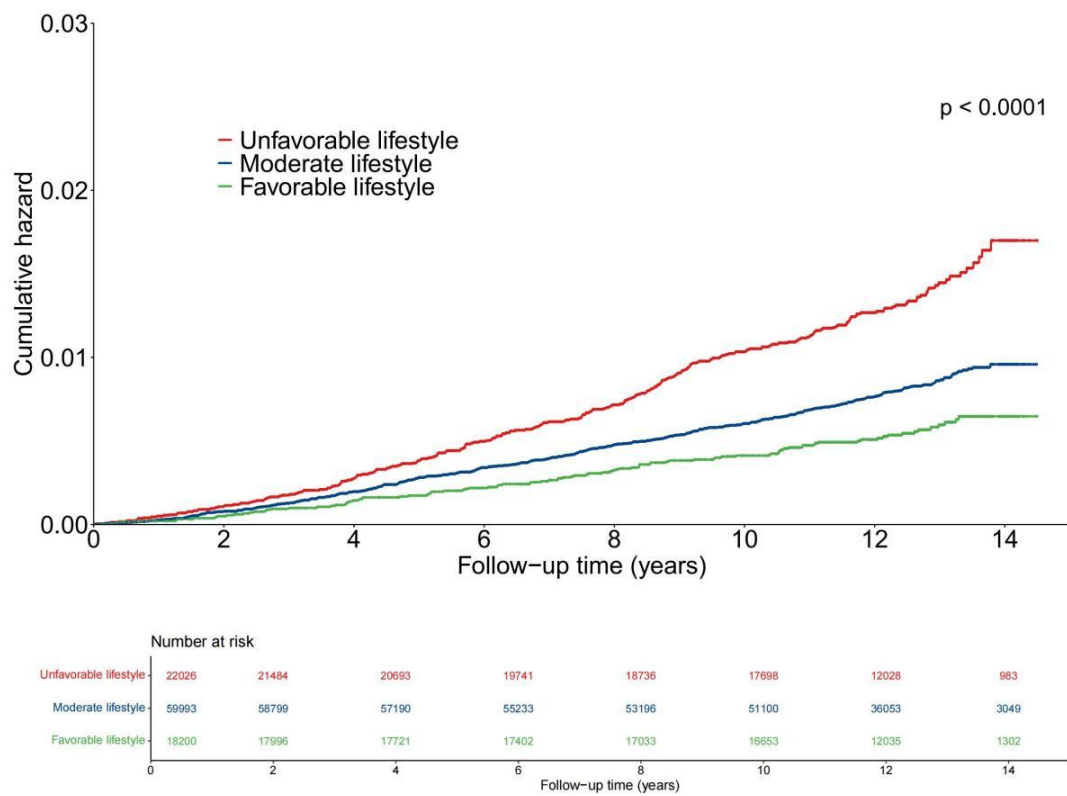


Fig S3. Cumulative incidence plot of incident colorectal cancer according to healthy lifestyle index categories.

Lifestyles were classified into unfavorable (bottom tertile), moderate (middle tertile), and favorable (top tertile) subgroups according to healthy lifestyle index tertile.

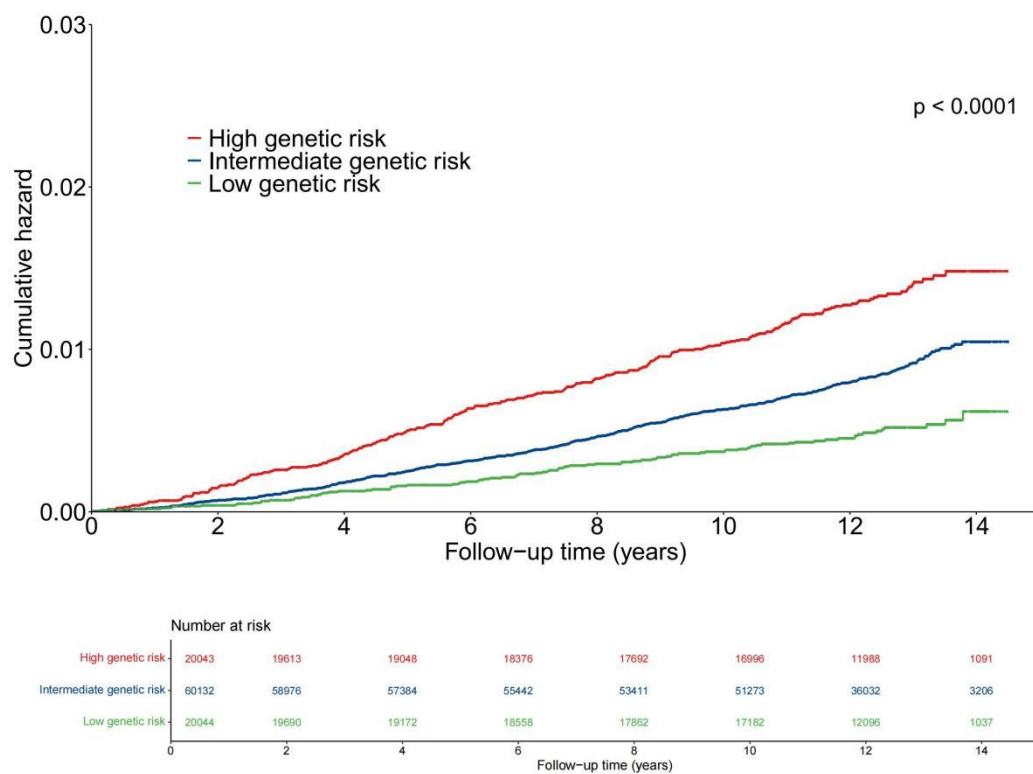


Fig S4. Cumulative incidence plot of incident colorectal cancer according to genetic risk categories.

PRS levels were defined as low (bottom 20%), intermediate (20-80%), and high (top 20%).