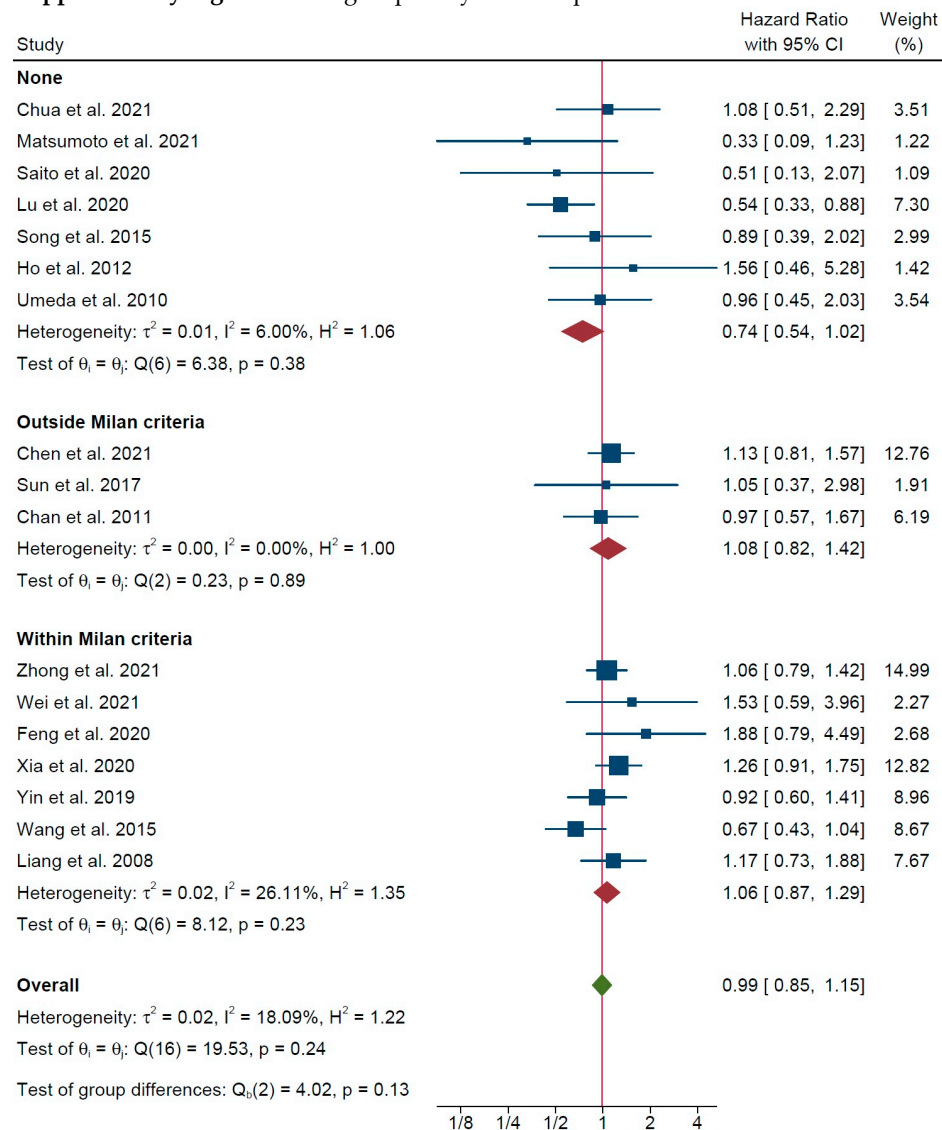


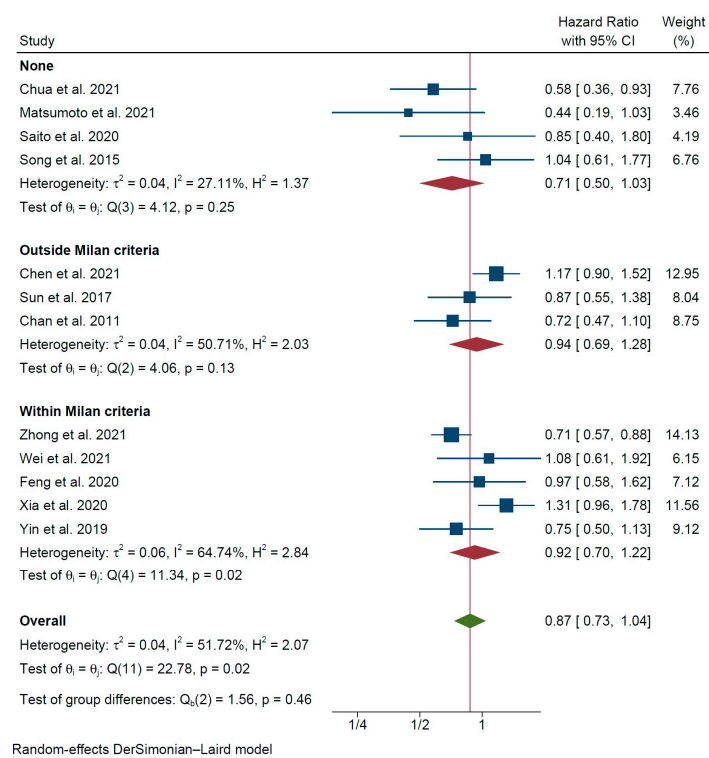
Supplementary Figures

Supplementary Figure S1. Subgroup analysis forest plot for overall survival

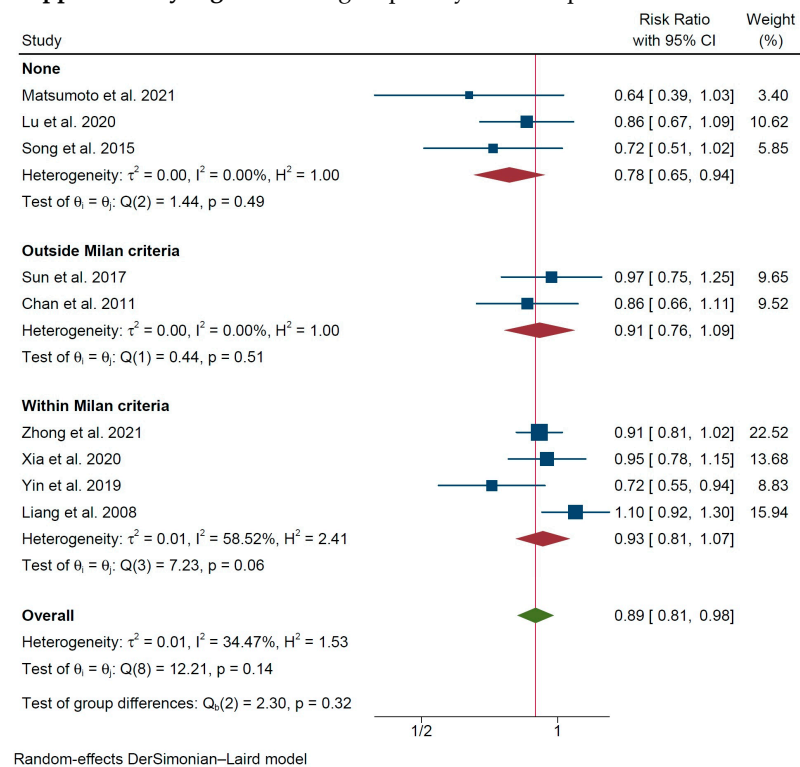


Random-effects DerSimonian-Laird model

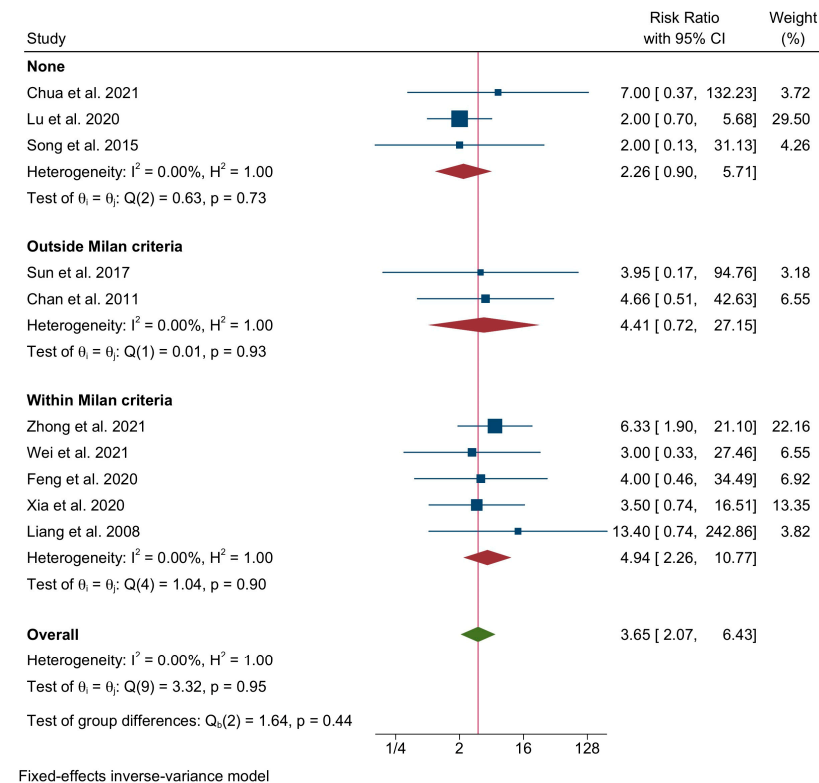
Supplementary Figure S2. Subgroup analysis forest plot for disease-free survival.



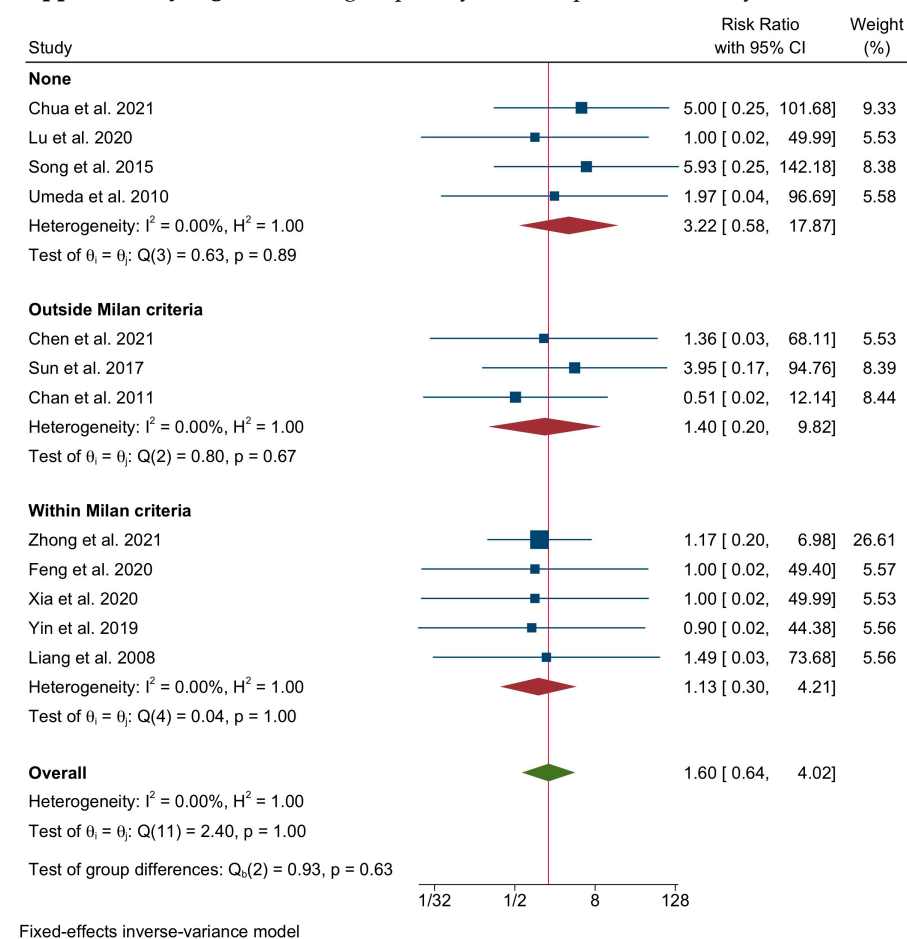
Supplementary Figure S3 Subgroup analysis forest plot for second recurrence.



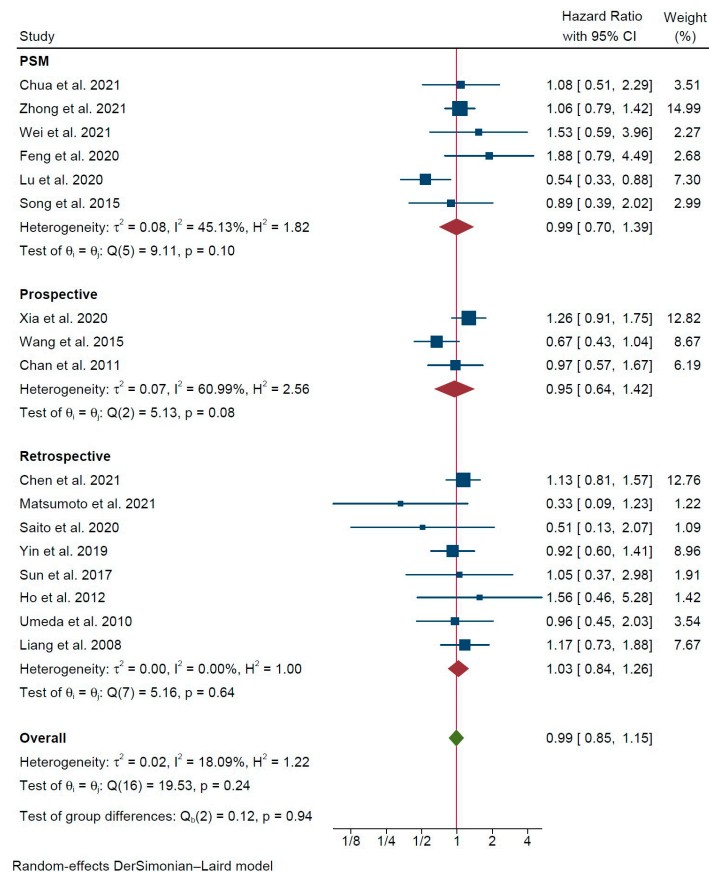
Supplementary Figure S4. Subgroup analysis forest plot for \geq CDIII morbidity.



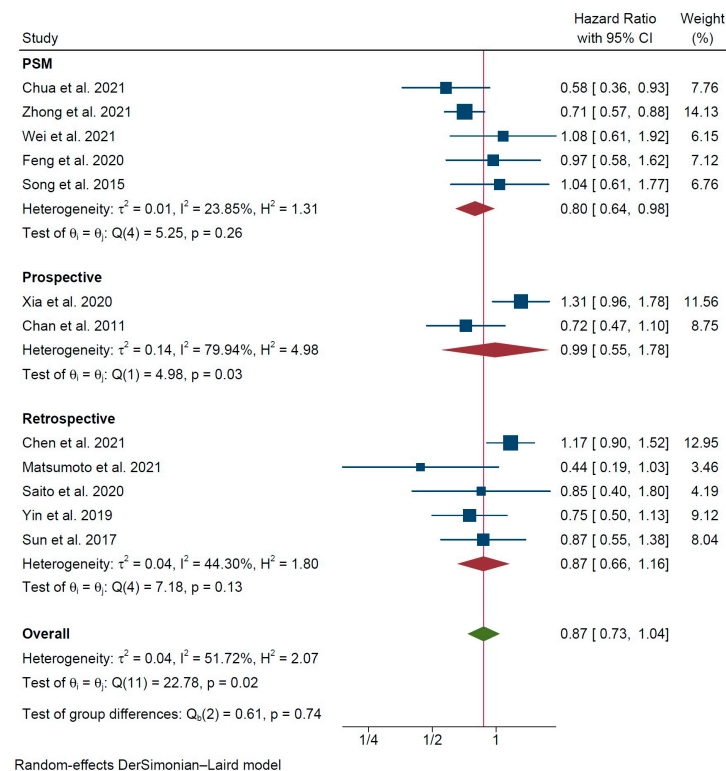
Supplementary Figure S5. Subgroup analysis forest plot for mortality.



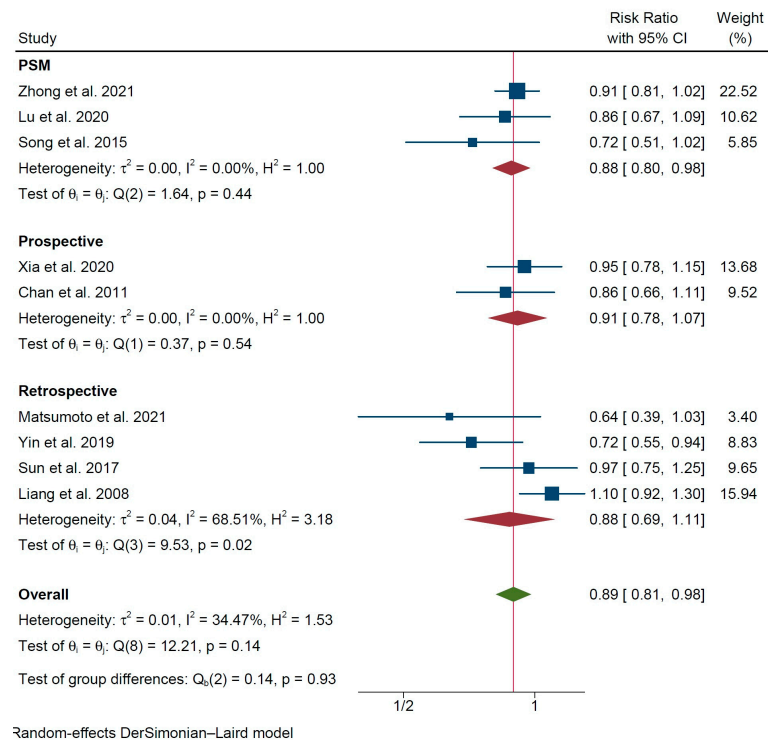
Supplementary Figure S6. Subgroup analysis by study design, forest plot for OS.



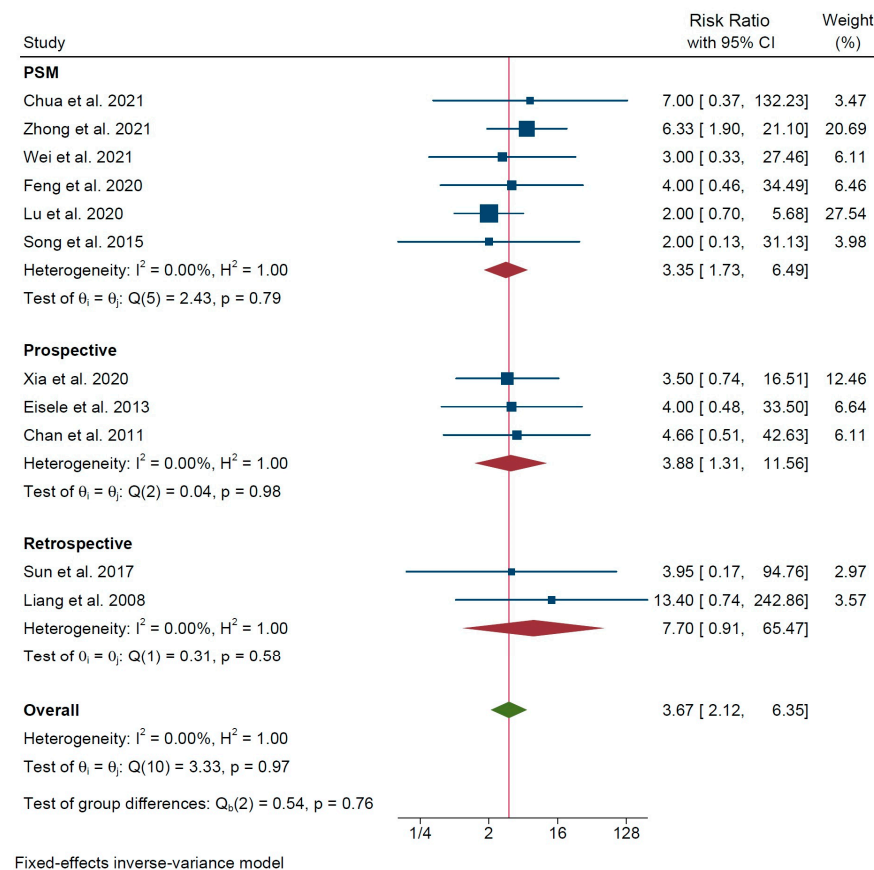
Supplementary Figure S7. Subgroup analysis by study design, forest plot for DFS.



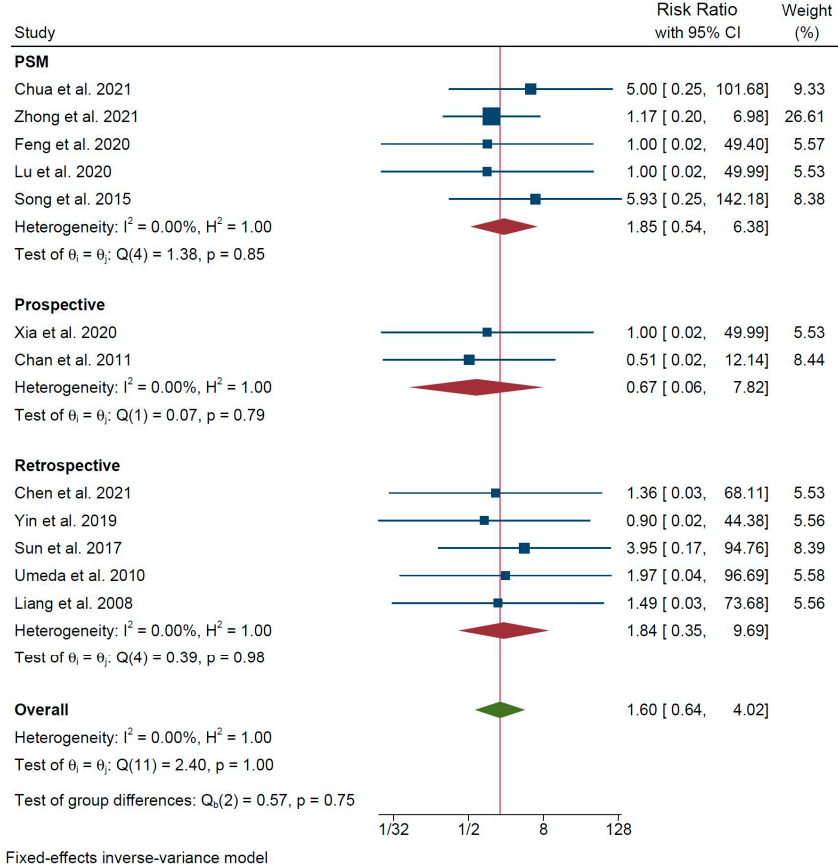
Supplementary Figure S8. Subgroup analysis by study design, forest plot for second recurrence.



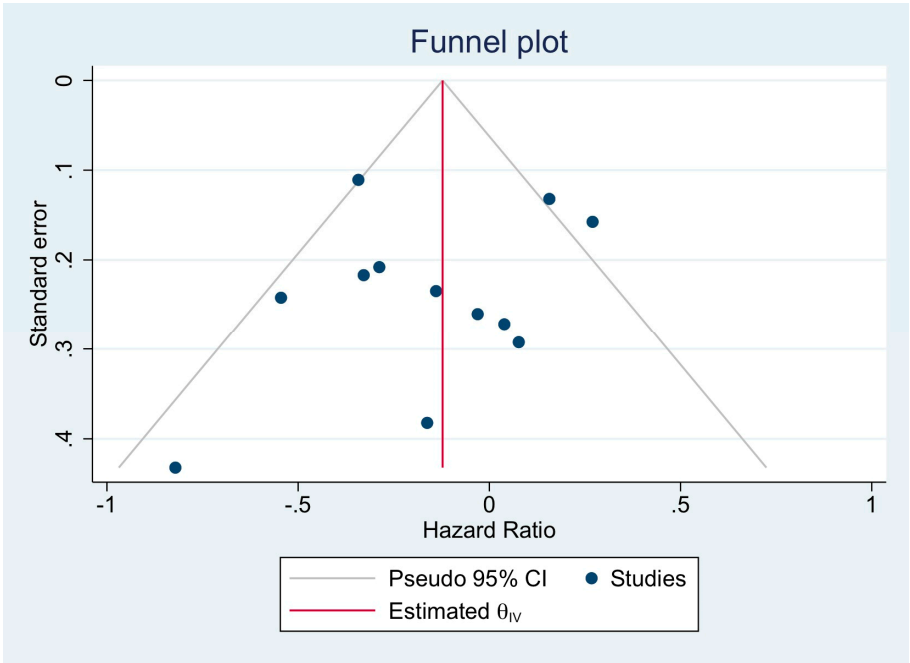
Supplementary Figure S9. Subgroup analysis by study design, forest plot for \geq CDIII morbidity.



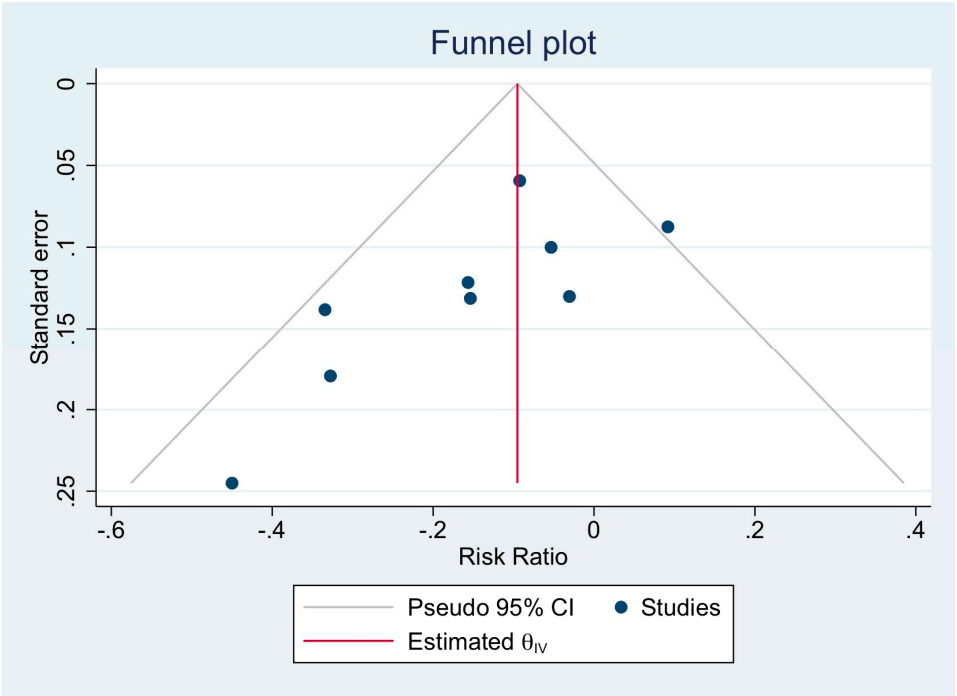
Supplementary Figure S10. Subgroup analysis by study design, forest plot for mortality.



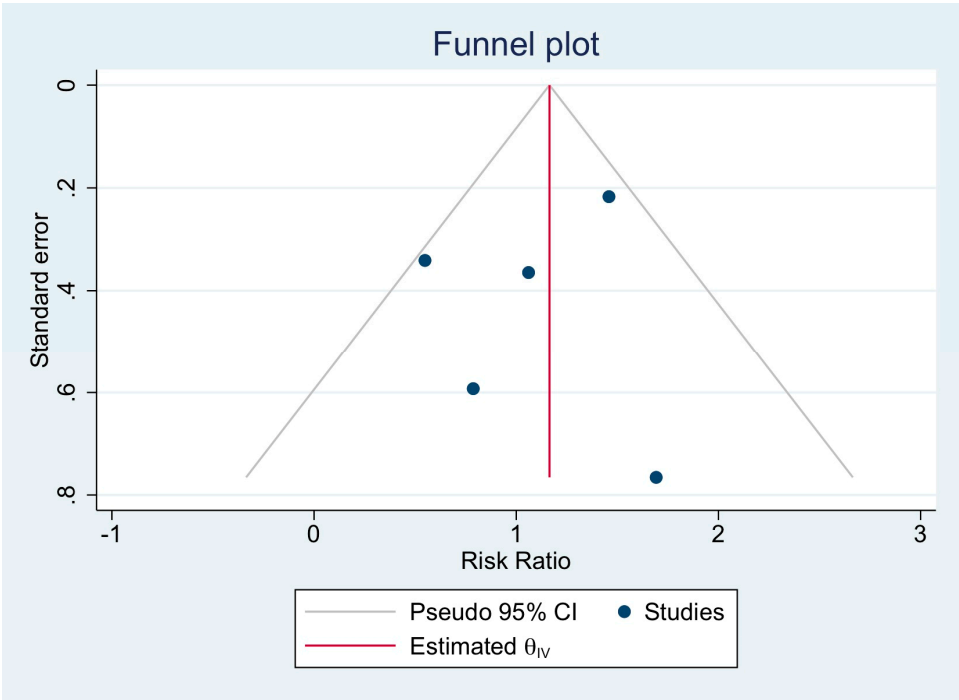
Supplementary Figure S11. Funnel plot of studies included in the overall survival analysis.



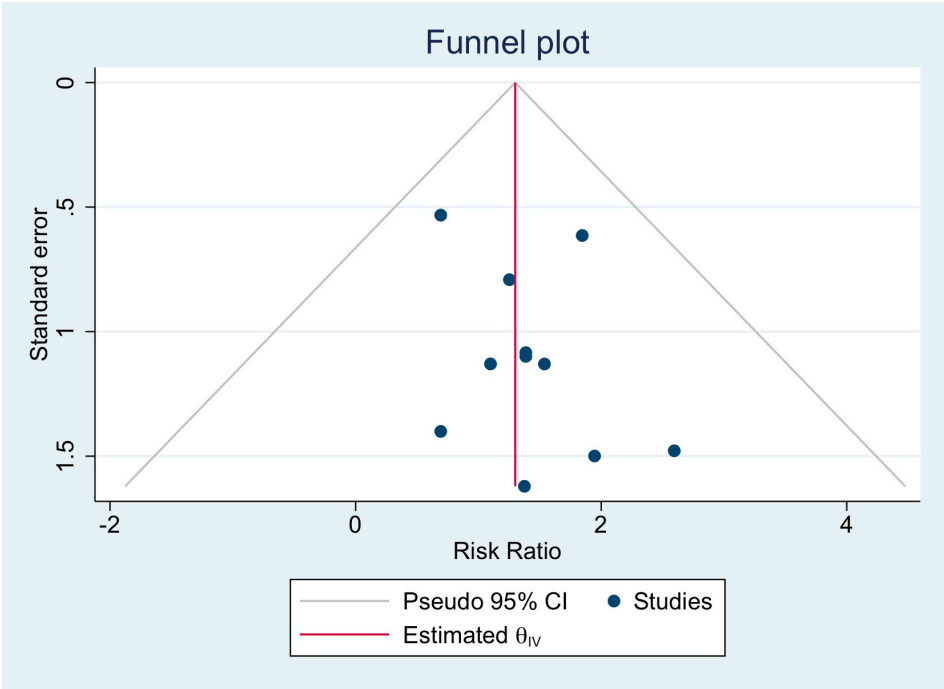
Supplementary Figure S12. Funnel plot of studies included in the disease-free survival analysis.



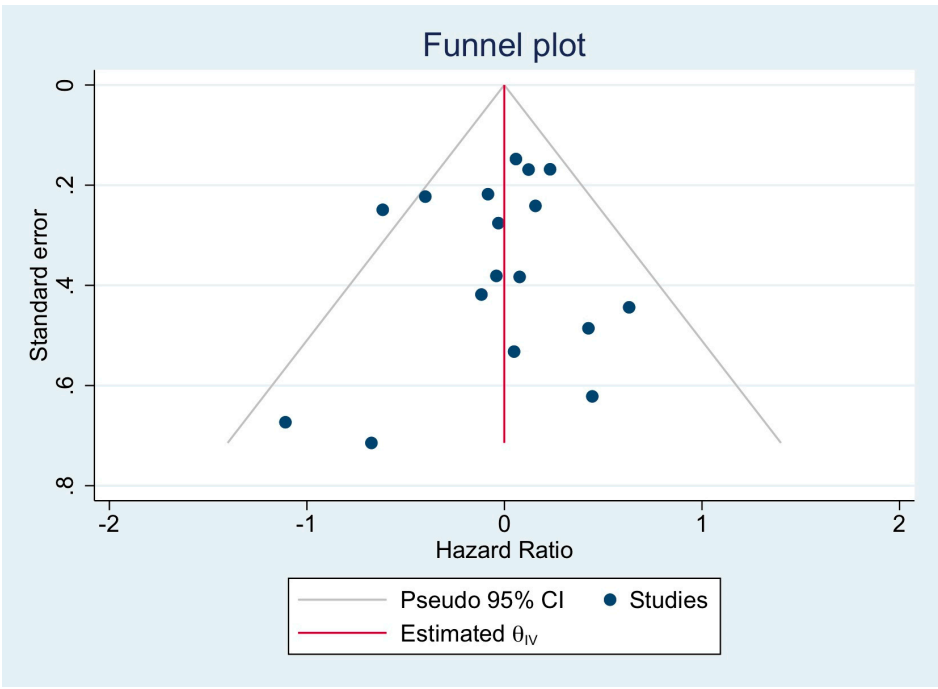
Supplementary Figure S13. Funnel plot of studies included in the second recurrence analysis.



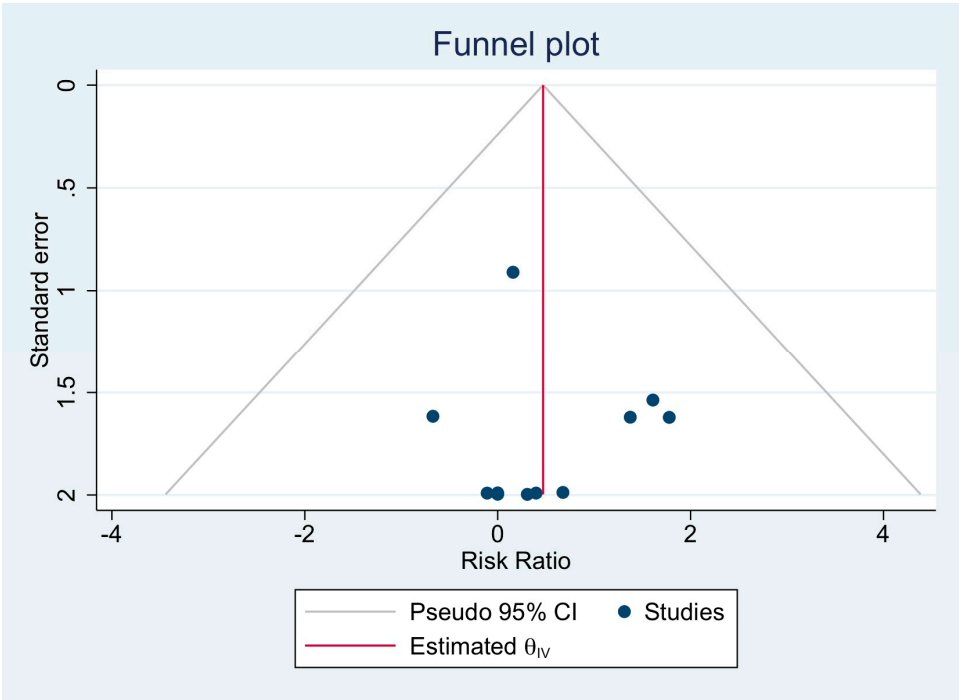
Supplementary Figure S14. Funnel plot of studies included in the morbidity analysis.



Supplementary Figure S15. Funnel plot of studies included in the \geq CDIII morbidity analysis.



Supplementary Figure S16. Funnel plot of studies included in the mortality analysis.



Supplementary Table S1. Risk of bias summary for non-randomized studies using the ROBINS-I tool. R1= Bias due to confounding, R2= Bias due to selection of participants, R3= Bias in classification of interventions, R4= Bias due to deviations of intended interventions, R5= Bias due to missing data, R6= Bias in measurement of outcomes, R7= Bias in selection of the reported results.

Study	R1	R2	R3	R4	R5	R6	R7	Overall
Chua	Low risk	Low risk	Low risk	Low Risk	Low risk	Low risk	Low risk	Low risk of bias
Zhong	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk of bias
Wei	Low risk	Low risk	Low risk	Low risk	Moderate risk	Low risk	Low risk	Low risk of bias
Chen	Moderate Risk	Serious risk	Low risk	Low risk	Low Risk	Low risk	Low risk	Serious risk of bias
Matsumoto	Moderate risk	Low risk	Low risk	Low risk	Low Risk	Low risk	Low risk	Low risk of bias
Feng	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk of bias
Saito	Serious risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Serious risk of bias
Lu	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk of bias
Yin	Moderate risk	Low risk	Low risk	Low risk	Serious risk	Low risk	Low risk	Serious risk of bias
Sun	Serious risk	Serious risk	Low risk	Low risk	Low Risk	Low risk	Moderate risk	Serious risk of bias
Wang	Moderate risk	Low risk	Low risk	Low risk	Moderate risk	Low risk	Low risk	Moderate risk of bias
Song	Low risk	Serious risk	Low risk	Moderate risk	Low risk	Low risk	Low risk	Serious risk of bias
Ho	Moderate risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk of bias
Chan	Moderate risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Moderate risk of bias
Umeda	Moderate risk	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk	Moderate risk of bias
Liang	Moderate risk	Low risk	Low risk	Moderate risk	Low risk	Low risk	Low risk	Moderate risk of bias

Supplementary Table S2. Risk of bias summary for randomized controlled trials using the RoB 2 tool. R1= Bias arising from the randomization process, R2= Bias due to deviations from intended intervention, R3= Bias due to missing outcome data, R4= Bias in measurement of the outcome, R5= Bias in selection of reported result.

Study	R1	R2	R3	R4	R5	Overall
Xia	Low risk	Low risk	Low risk	Low risk	Low risk	Low risk of bias