

Supplementary

Table S1 Search strategy

PubMed search:

("sodium-glucose transporter-2 inhibitors"[MeSH Terms] OR "sodium-glucose cotransporter-2 inhibitors"[Title/Abstract] OR "sodium-glucose cotransporter-2 inhibitor"[Title/Abstract] OR "sodium-glucose transporter-2 inhibitors"[Title/Abstract] OR "sodium-glucose transporter-2 inhibitor"[Title/Abstract] OR "SGLT-2 Inhibitors"[Title/Abstract] OR "SGLT2 Inhibitors"[Title/Abstract] OR "SGLT-2 Inhibitor"[Title/Abstract] OR "SGLT2 Inhibitor"[Title/Abstract] OR "SGLT2i"[Title/Abstract] OR "SGLT2is"[Title/Abstract] OR "SGLT-2i"[Title/Abstract] OR "SGLT2-is"[Title/Abstract] OR "canagliflozin"[MeSH Terms] OR "canagliflozin"[Title/Abstract] OR "Invokana"[Title/Abstract] OR "empagliflozin"[Supplementary Concept] OR "empagliflozin"[Title/Abstract] OR "Jardiance"[Title/Abstract] OR "2 3 4 ethoxybenzyl 4 chlorophenyl 6 hydroxymethyltetrahydro 2h pyran 3 4 5 triol"[Supplementary Concept] OR "dapagliflozin"[Title/Abstract] OR "forxiga"[Title/Abstract] OR "ertugliflozin"[Supplementary Concept] OR "ertugliflozin"[Title/Abstract] OR "Steglatro"[Title/Abstract] OR "2s 3r 4r 5s 6r 2 4 chloro 3 4 ethoxybenzyl phenyl 6 methylthio tetrahydro 2h pyran 3 4 5 triol"[Supplementary Concept] OR "sotagliflozin"[Title/Abstract] OR "LX4211"[Title/Abstract] OR "ipragliflozin"[Supplementary Concept] OR "ipragliflozin"[Title/Abstract] OR "Suglat"[Title/Abstract]) AND ("cardiovascular death" [tiab] OR "CVD" [tiab] OR "heart failure hospitalization"[tiab] OR "heart failure hospitalisation"[tiab] OR "hospitalized heart failure"[tiab] OR "HHF"[tiab] OR "death"[tiab] OR "heart failure"[tiab] OR "HF"[tiab]) AND ((randomized controlled trial [pt] OR controlled clinical trial [pt] OR randomized [tiab] OR placebo [tiab] OR drug therapy [sh] OR randomly [tiab] OR trial [tiab] OR groups [tiab]) NOT (animals [mh] NOT humans [mh]))

Embase search:

('sodium glucose cotransporter 2 inhibitor'/exp OR 'sodium-glucose cotransporter-2 inhibitors':ab,ti OR 'sodium-glucose cotransporter-2 inhibitor':ab,ti OR 'sodium-glucose transporter-2 inhibitors':ab,ti OR 'sodium-glucose transporter-2 inhibitor':ab,ti OR 'SGLT-2 Inhibitors':ab,ti OR 'SGLT2 Inhibitors':ab,ti OR 'SGLT-2 Inhibitor':ab,ti OR 'SGLT2 Inhibitor':ab,ti OR 'SGLT2i':ab,ti OR 'SGLT2is':ab,ti OR 'SGLT-2i':ab,ti OR 'SGLT2-is':ab,ti OR 'canagliflozin'/exp OR 'canagliflozin':ab,ti OR 'Invokana':ab,ti OR 'empagliflozin'/exp OR 'empagliflozin':ab,ti OR 'Jardiance':ab,ti OR 'dapagliflozin'/exp OR 'dapagliflozin':ab,ti OR 'forxiga':ab,ti OR 'ertugliflozin'/exp OR 'ertugliflozin':ab,ti OR 'Steglatro':ab,ti OR 'sotagliflozin'/exp OR 'sotagliflozin':ab,ti OR 'LX4211':ab,ti OR 'ipragliflozin'/exp OR 'ipragliflozin':ab,ti OR 'Suglat':ab,ti) AND ('cardiovascular death':ab,ti OR 'CVD':ab,ti OR 'heart failure hospitalization':ab,ti OR 'hospitalization for heart failure':ab,ti OR 'heart failure hospitalisation':ab,ti OR 'hospitalisation for heart failure':ab,ti OR 'hospitalized heart failure':ab,ti OR 'HHF':ab,ti OR 'death':ab,ti OR 'heart failure':ab,ti OR 'HF':ab,ti) AND ((('randomized controlled trial')/exp OR 'controlled clinical study'/exp OR random\$:ab,ti OR placebo:ab,ti OR 'drug therapy':lnk OR ((double OR single OR doubly OR singly) AND (blind OR blinded OR blindly):ti,ab OR 'double blind procedure'/exp) OR trial:ab,ti OR groups:ab,ti) NOT ('animal experiment'/exp NOT 'human experiment'/exp))

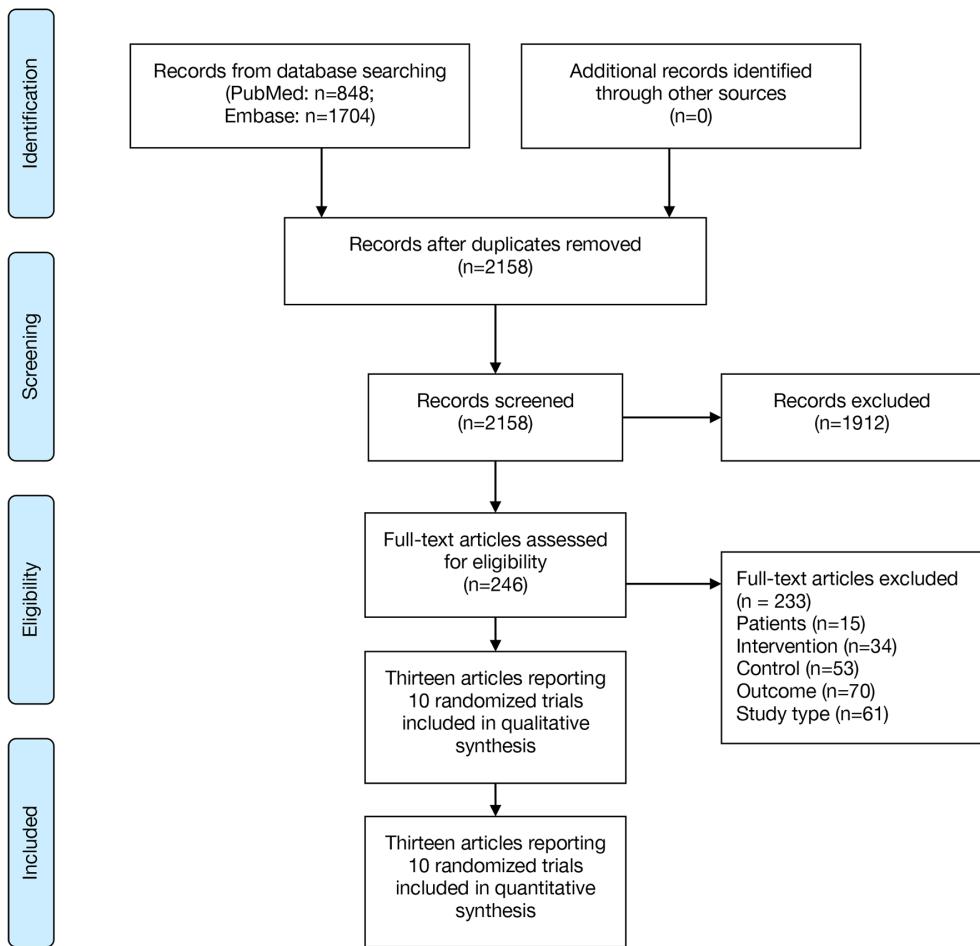


Figure S1 PRISMA flow diagram of study selection.

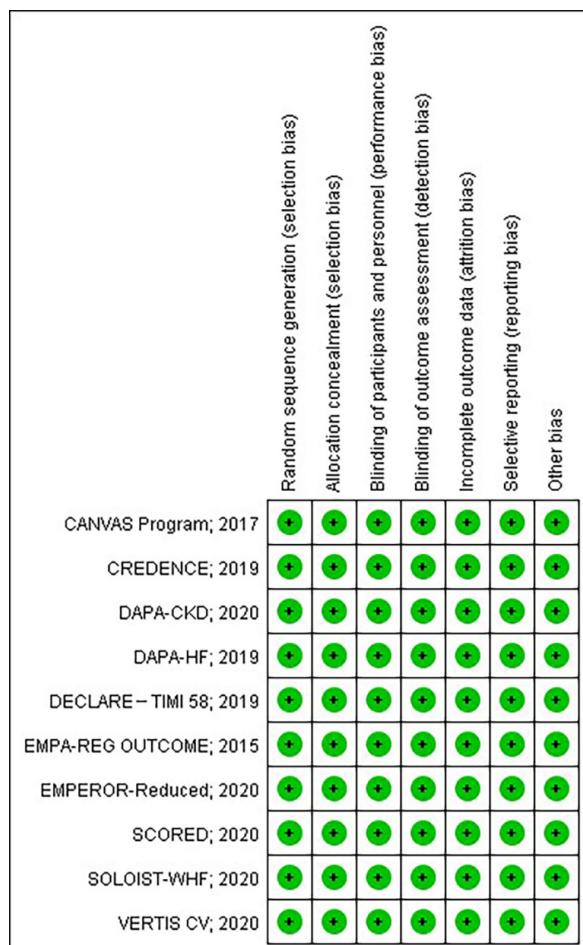


Figure S2 Risk of bias summary.

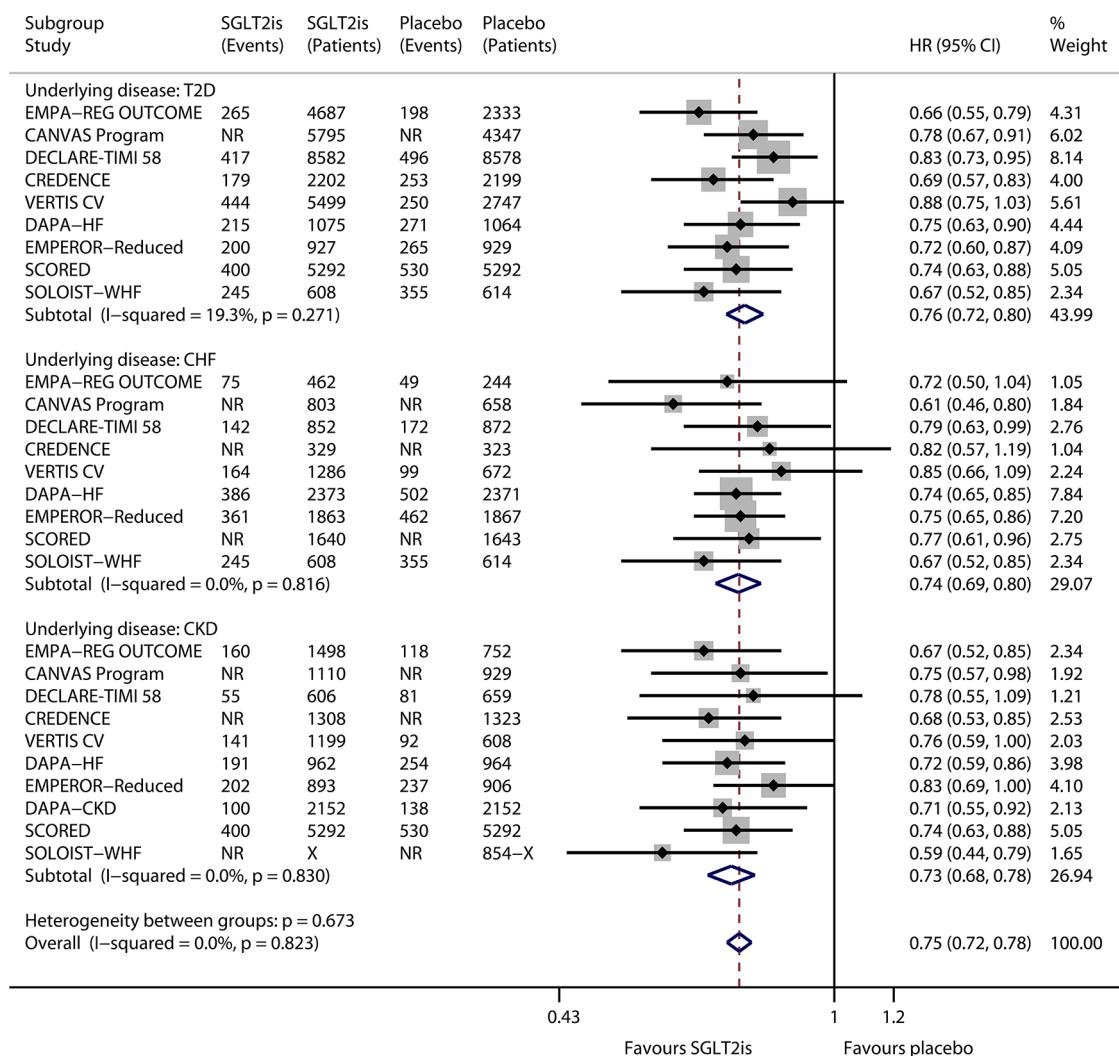


Figure S3 Meta-analysis of the effect of SGLT2is on heart failure composite outcome, stratified by underlying diseases.

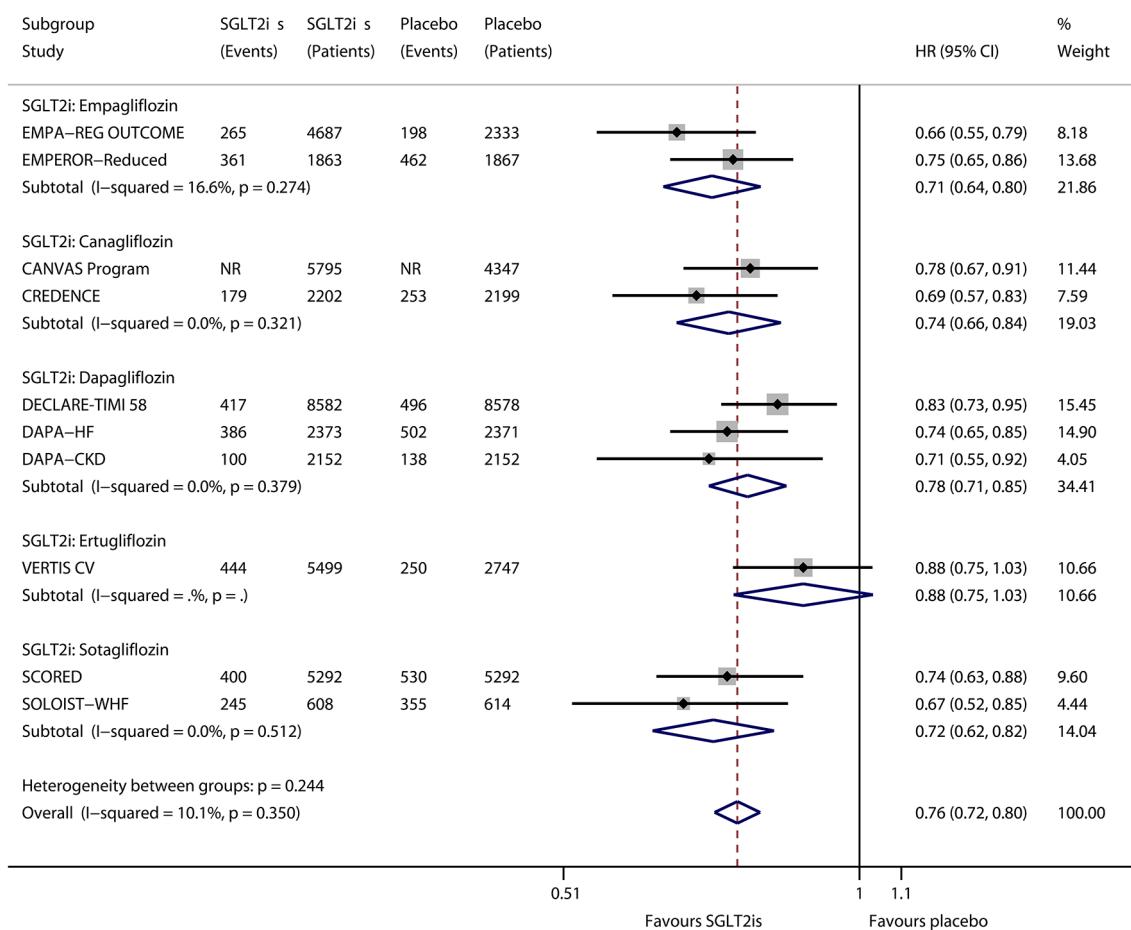


Figure S4 Meta-analysis of the effect of SGLT2is on heart failure composite outcome, stratified by different SGLT2is.

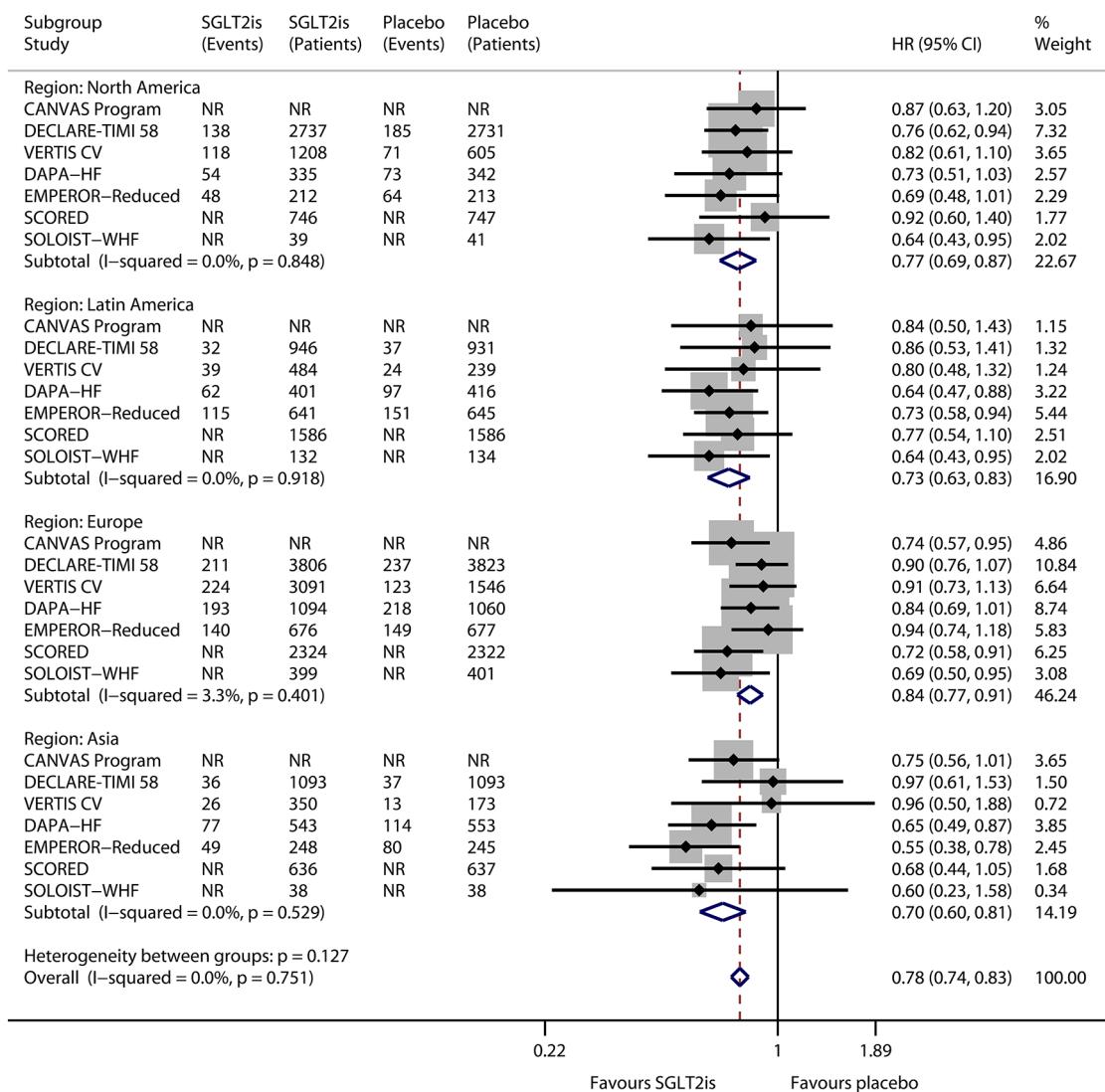


Figure S5 Meta-analysis of the effect of SGLT2is on heart failure composite outcome, stratified by geographic region.