

a)

Study omitted	Estimate	[95% Conf. Interval]	
Asgharian (2020)	-0.1249976	-0.23068376	-0.0193114
Halkjær (2020)	-0.1464633	-0.24929828	-0.0436284
cao (2020)	-0.0659699	-0.16979163	0.03785188
Pellonperä (2019)	-0.1719774	-0.27990277	-0.0640521
Callaway (2019)	-0.2732171	-0.39176902	-0.1546652
Wickens (2017)	-0.1213644	-0.23917558	-0.0035532
Jamilian (2016)	-0.1342314	-0.23742989	-0.0310329
Lindsay (2014)	-0.1351206	-0.24118897	-0.0290523
Asemi (2013)	-0.129427	-0.23295531	-0.0258987
Combined	-0.1416872	-0.24283161	-0.0405429

b)

Study omitted	Estimate	[95% Conf. Interval]	
Asgharian (2020)	0.56848152	0.30378854	1.0638033
Halkjær (2020)	0.51323779	0.28830185	0.91367096
cao (2020)	0.61436907	0.35173668	1.073102
Pellonperä (2019)	0.5379865	0.27270557	1.0613259
Callaway (2019)	0.45563885	0.29943123	0.69333702
wang (2019)	0.62544934	0.3430241	1.1404064
Wickens (2017)	0.55796103	0.28493424	1.0926048
Luoto (2010)	0.63242147	0.35118546	1.1388766
Combined	0.56197055	0.32106979	0.98362071

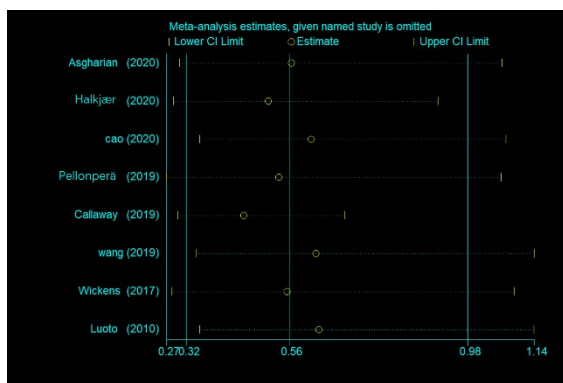
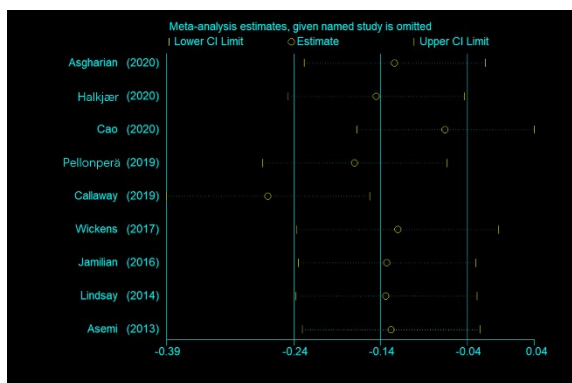


Table S1. Sensitivity analysis of the source of the heterogeneity. a) Fasting blood glucose; b) Gestational diabetes mellitus (GDM) incidence