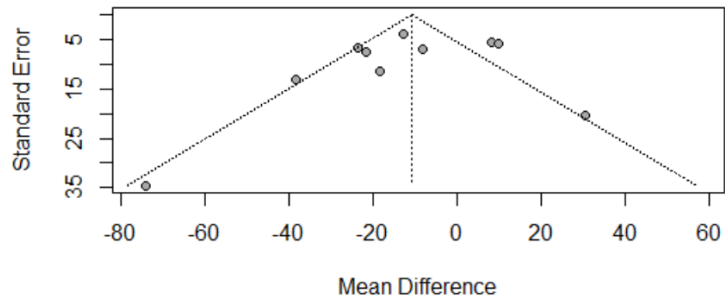


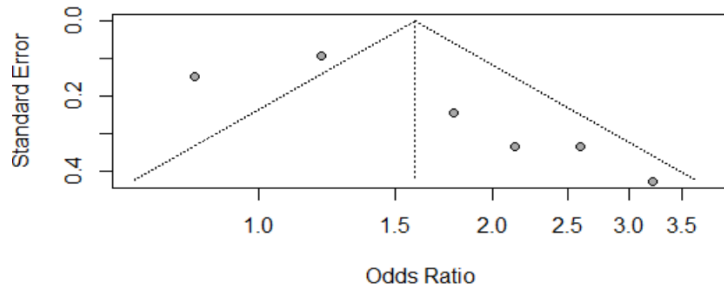
## Appendix A. Supplementary data

Table S1. Search strategy and results of PubMed database

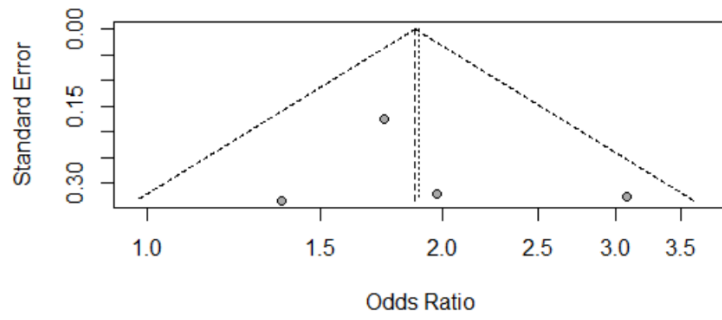
Search	Search Details	Results
#1	"Vitamin B 12"[MeSH Terms] OR "b 12 vitamin"[Title/Abstract] OR "vitamin b12"[Title/Abstract] OR "b12 vitamin"[Title/Abstract] OR "Cyanocobalamin"[Title/Abstract] OR "Cobalamins"[Title/Abstract] OR "Cobalamin"[Title/Abstract] OR "Eritron"[Title/Abstract]	31294
#2	"diabetes, gestational"[MeSH Terms] OR "diabetes pregnancy induced"[Title/Abstract] OR "diabetes pregnancy induced"[Title/Abstract] OR "pregnancy induced diabetes"[Title/Abstract] OR "gestational diabetes"[Title/Abstract] OR "diabetes mellitus gestational"[Title/Abstract] OR "gestational diabetes mellitus"[Title/Abstract]	21046
#3 (#1 AND #2)	("Vitamin B 12"[MeSH Terms] OR "b 12 vitamin"[Title/Abstract] OR "vitamin b12"[Title/Abstract] OR "b12 vitamin"[Title/Abstract] OR "Cyanocobalamin"[Title/Abstract] OR "Cobalamins"[Title/Abstract] OR "Cobalamin"[Title/Abstract] OR "Eritron"[Title/Abstract]) AND ("diabetes, gestational"[MeSH Terms] OR "diabetes pregnancy induced"[Title/Abstract] OR "diabetes pregnancy induced"[Title/Abstract] OR "pregnancy induced diabetes"[Title/Abstract] OR "gestational diabetes"[Title/Abstract] OR "diabetes mellitus gestational"[Title/Abstract] OR "gestational diabetes mellitus"[Title/Abstract])	42



**Figure S1. Funnel plot of the effects of vitamin B12 and GDM in the second or third trimester.**



**Figure S2. Funnel plot of the effects of vitamin B12 deficiency and GDM.**



**Figure S3. Funnel plot of the effects of high folic acid to low vitamin B12 ratio on GDM.**