

Table S1. Search terms used for final search on 27 December 2019.

Searches	Search terms	Medline via EBSCOHOST	Cinahl via EBSCOHOST	PubMed
#1	mood disorder OR Unipolar depress* OR Depress* OR Depress* disorder OR Major depress* OR Major depress* disorder OR Atypical depress* OR Melancholi* OR Melancholi* depress* OR Melancholi* feature OR Peripartum depress* OR Persistent depress* disorder OR Dysthymic disorder OR Dysthymi*	97,911	6,140	4309
#2	gestational diabetes OR diabetic pregnancy OR diabetes mellitus OR type 1 diabetes mellitus OR type 2 diabetes mellitus OR NIDDM OR Non-insulin dependent diabetes mellitus OR insulin dependent diabetes OR pregnancy diabetes mellitus	135,097	5,360	214188
#3	#1 AND #2	762	66	19

Table S2. Assessment of study quality of included studies by STROBE checklist.

[illegible]

		quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why										
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	0	1	0	0	1	1	0	1	0	0
		(b) Describe any methods used to examine subgroups and interactions	1	1	1	1	1	1	1	1	0	1
		(c) Explain how missing data were addressed	0	0	0	0	0	0	0	0	0	0
		(d) If applicable, explain how loss to follow-up was addressed	0	0	0	0	0	0	0	0	0	0
		(e) Describe any sensitivity analyses	0	0	0	0	0	1	0	1	0	0
Results												
Participants	13*	(a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed	0	0	1	0	1	1	0	1	1	0

[illegible]

Table S3: Publication bias was assessed by Egger's test and Begg's test for association between GDM and risk of antepartum depression.

Egger Regression				
	Estimate	SE	CI LL	CI UL
Intercept	0.06	0.41	-0.90	1.02
Slope	0.60	0.10	0.36	0.83
t test	0.15			
p-value	0.882			
Begg & Mazumdar				
Δ_{x-y}	-4.00			
Kendall's Tau a	-0.14			
z	-0.49			
p	0.621			

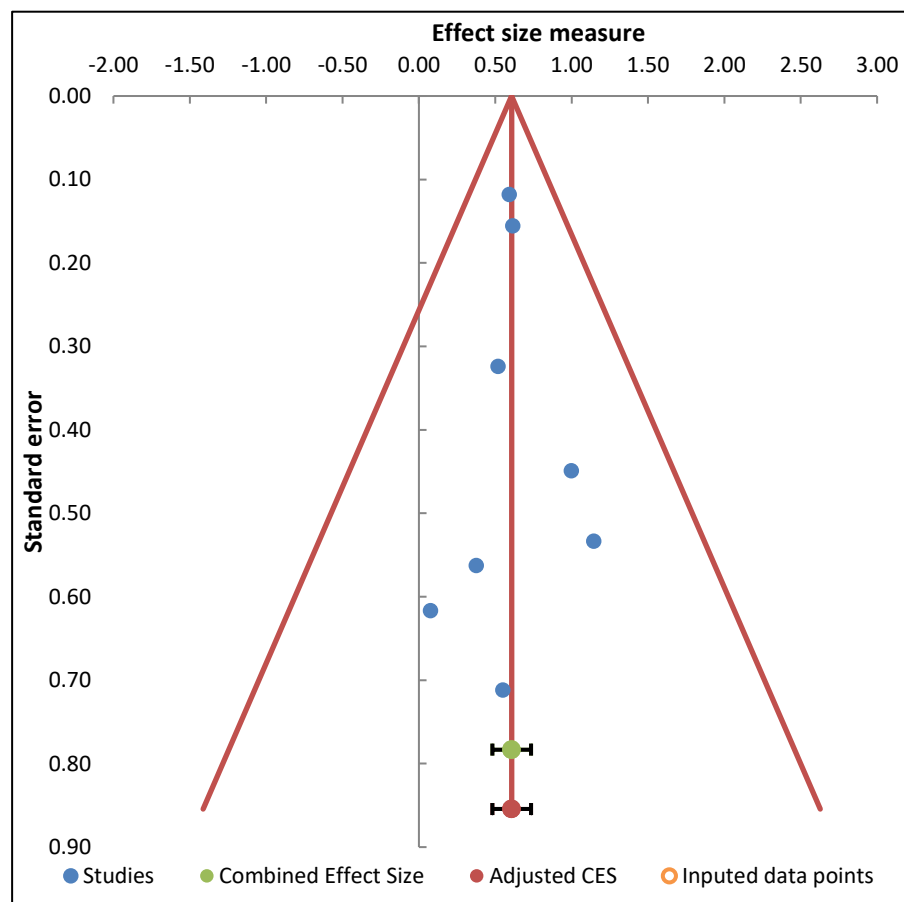


Figure S1: Funnel plot of studies evaluating the risk of antepartum depression associated with gestational diabetes mellitus.

Table S4: Publication bias was assessed by Egger's test and Begg's test for association between pre-existing DM and risk of antepartum depression.

Egger Regression				
	Estimate	SE	CI LL	CI UL
Intercept	-4.44	1.57	-11.19	2.31
Slope	2.70	0.86	-0.99	6.39
t test	-2.83			
p-value	0.216			
Begg & Mazumdar				
Δ_{x-y}	-3.00			
Kendall's Tau a	-1.00			
z	-1.57			
p	0.117			

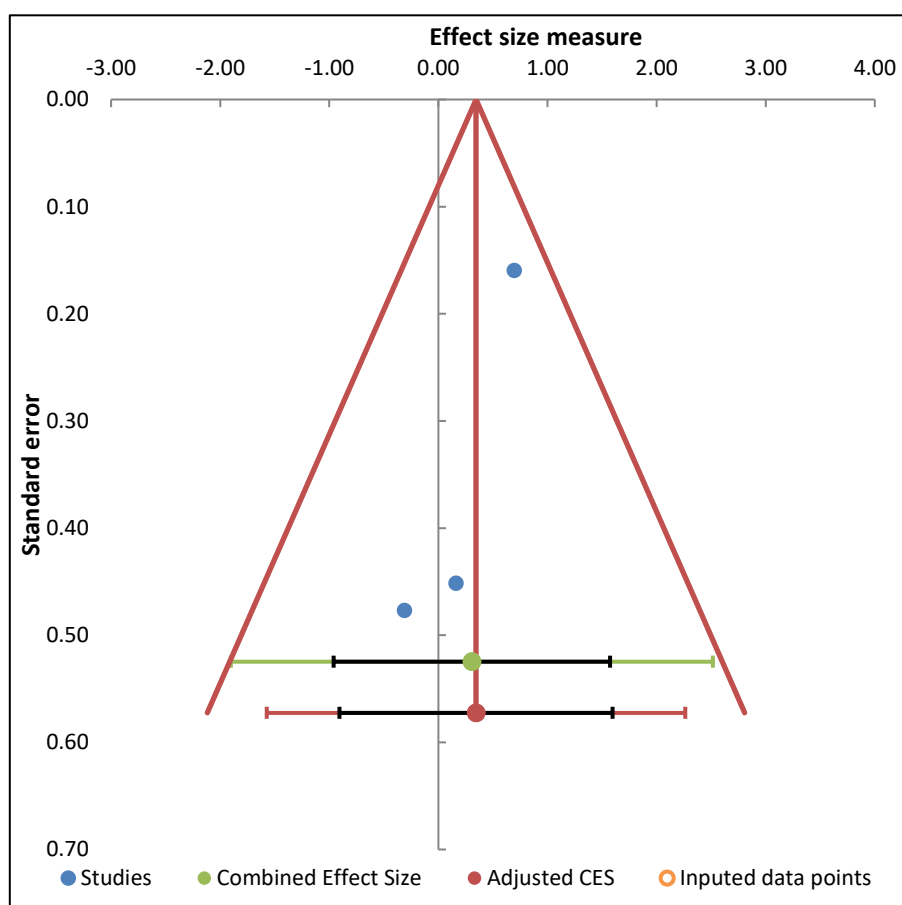


Figure S2: Funnel plot of studies evaluating the risk of antepartum depression associated with pre-existing diabetes mellitus.

Table S5: Publication bias was assessed by Egger's test and Begg's test for association between diabetes in pregnancy and risk of antepartum depression.

Egger Regression				
	Estimate	SE	CI LL	CI UL
Intercept	-0.40	0.51	-1.58	0.78

Slope	0.67	0.11	0.40	0.93
t test	-0.78			
p-value	0.462			
Begg & Mazumdar				
Δ_{x-y}	-6.00			
Kendall's Tau a	-0.17			
z	-0.63			
p	0.532			

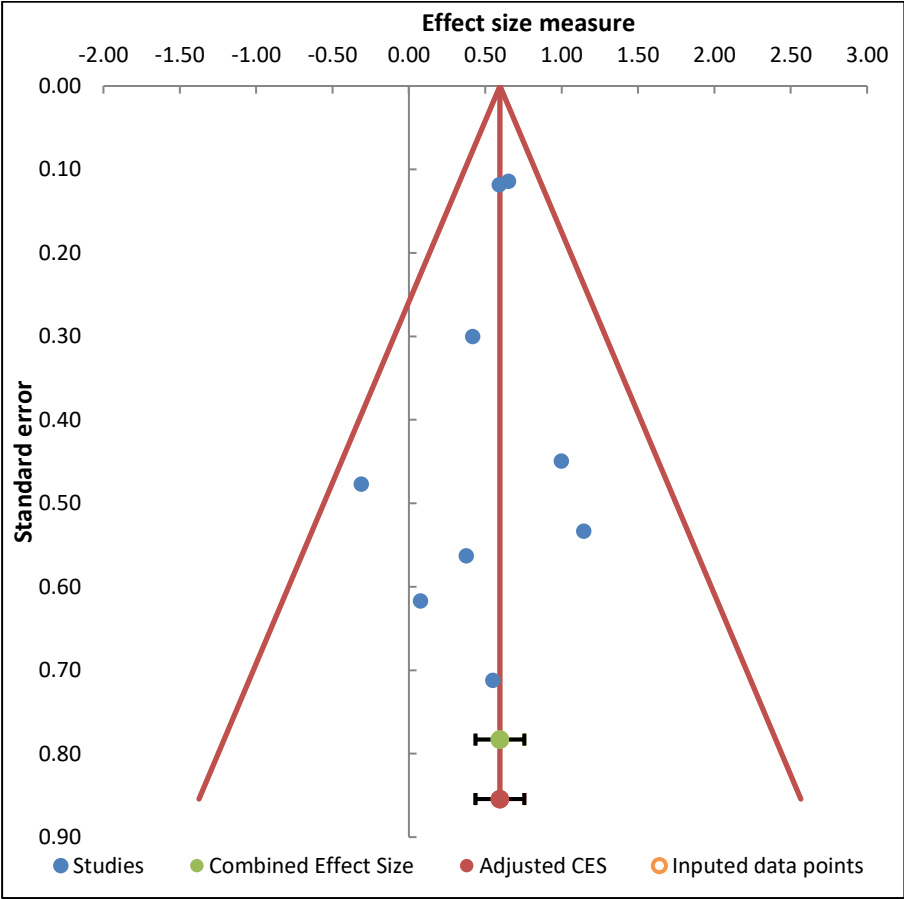


Figure S3: Funnel plot of studies evaluating the risk of antepartum depression associated with diabetes in pregnancy.