Searches	Search terms	Medline via EBSCOHOST	Cinahl via EBSCOHOST	PubMed	
	mood disorder OR Unipolar depress* OR Depress* OR Depress* disorder OR				
#1	Major depress* OR Major depress* disorder OR Atypical depress* OR Melancholi*	07 011	( 140	4309	
#1	OR Melancholi* depress* OR Melancholi* feature OR Peripartum depress* OR	97,911	6,140		
	Persistent depress* disorder OR Dysthymic disorder OR Dysthymi*				
	gestational diabetes OR diabetic pregnancy OR diabetes mellitus OR type 1				
# <b>`</b>	diabetes mellitus OR type 2 diabetes mellitus OR NIDDM OR Non-insulin	125.007	E 260	71/100	
#2	dependent diabetes mellitus OR insulin dependent diabetes OR pregnancy	133,097	0,000	214100	
	diabetes mellitus				
#3	#1 AND #2	762	66	19	

Table S1. Search terms used for final search on 27 December 20	19.
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	Item	•		• 1			Incl	uded studies				
	No	Recommendation	Benute et al., 2010	Cripe et al., 2011	Daniells et al., 2003	Egan et al., 2017	Huang et al., 2015	Kozhimannil et al., 2009	Miller et al., 2020	Pace et al., 2018	Rumbold and Crowther, 2002	Varela et al., 2017
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	0	0	1	1	0	1	1	1	1	1
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	1	1	1	1	1	1	1	1	1	1
Introduction												
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	1	1	1	1	1	1	1	1	1	1
Objectives	3	State specific objectives, including any prespecified hypotheses	1	1	1	1	1	1	1	1	1	1
Methods												
Study design	4	Present key elements of study design early in the paper	0	1	1	1	0	1	1	1	1	1
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment,	1	1	1	1	1	1	1	1	1	1

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

		exposure, follow-up,										
		and data collection										
		( <i>a</i> ) Give the eligibility										
		criteria, and the										
Participants	6	sources and methods	1	1	1	1	1	1	1	1	1	1
1		of selection of										
		participants. Describe										
		methods of follow-up										
		(b) For matched										
		studies, give matching										
		criteria and number of	1	0	1	1	1	1	1	1	1	0
		exposed and										
		unexposed										
		Clearly define all										
		outcomes, exposures,										
	_	predictors, potential	0			0					0	0
Variables	Z	confounders, and	0	1	1	0	1	1	1	1	0	0
		effect modifiers. Give										
		diagnostic criteria, if										
		Ear as the serieble of										
		For each variable of										
		of data and datails of										
		mothods of assessment										
Data sources/	8*	(measurement)	1	1	1	1	1	1	1	1	1	1
measurement	0	Describe comparability	1	1	1	1	1	1	1	1	1	1
		of assessment methods										
		if there is more than										
		one group										
		Describe any efforts to										
Bias	9	address potential	0	0	1	0	1	0	0	0	0	0
		sources of bias	-	Ť	_		_	-		-		
0. 1 .	40	Explain how the study	6	4	0			4	~	0	0	0
Study size	10	size was arrived at	U	1	0	1	U	1	0	U	U	0
	11	Explain how	1	1	1	1	1	1	1	1	1	1

		quantitative variables										
		were handled in the										
		analyses. If applicable,										
		describe which										
		groupings were										
		chosen and why										
		(a) Describe all										
		statistical methods,										
Statistical methods	12	including those used	0	1	0	0	1	1	0	1	0	0
		to control for										
		confounding										
		(b) Describe any										
		methods used to	1	1	1	1	1	1	1	1	0	1
		examine subgroups										
		and interactions										
		(c) Explain how	2		2	2	2		2	2	2	2
		missing data were	0	0	0	0	0	0	0	0	0	0
		addressed										
		( <i>d</i> ) If applicable,										
		explain how loss to	0	0	0	0	0	0	0	0	0	0
		follow-up was										
		(a) Describe any										
		sensitivity analyses	0	0	0	0	0	1	0	1	0	0
Results		Scholdvity undryses										
		(a) Report numbers of										
		individuals at each										
		stage of study—eg										
		numbers potentially										
	10%	eligible, examined for	0	0	1	0	1	1	0	1	1	0
Participants	13*	eligibility, confirmed	U	U	1	U	1	1	U	1	1	U
		eligible, included in										
		the study, completing										
		follow-up, and										
		analysed										

		(b) Give reasons for										
		non-participation at	0	0	1	0	0	1	0	1	0	0
		each stage										
		(c) Consider use of a	0	0	0	0	0	0	0	1	1	0
		flow diagram										
		(a) Give characteristics										
		of study participants										
		(eg demographic,										
Descriptive data	14*	clinical, social) and	1	1	1	1	1	1	1	1	1	1
		information on										
		exposures and										
		potential confounders										
		(b) Indicate number of										
		participants with	0	0	0	0	0	0	0	0	0	0
		missing data for each										
		variable of interest										
		(c) Summarise follow-	_			_					_	
		up time (eg, average	0	0	1	0	1	1	0	0	0	0
		and total amount)										
		Report numbers of										
Outcome data	15*	outcome events or	1	1	1	1	1	1	1	1	1	1
		summary measures										
		over time										
		(a) Give unadjusted										
		estimates and, if										
		applicable,										
		confounder-adjusted										
		estimates and their										
Main results	16	precision (eg, 95%	0	1	0	0	1	1	1	1	0	0
		confidence interval).										
		Make clear which										
		confounders were										
		adjusted for and why										
		they were included										
		(b) Report category	1	1	1	1	1	1	1	1	0	1

		boundaries when										
		continuous variables										
		were categorized										
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	0	1	0	0	0	0	0	0	0	0
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	0	0	0	1	0	0	0	0	0	0
Discussion												
Key results	18	Summarise key results with reference to study objectives	0	1	1	1	1	1	1	1	1	1
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	1	0	1	1	1	1	1	1	0	1
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	1	1	1	1	1	1	1	1	1	1

Generalisability	21	Discuss the generalisability (external validity) of the study results	1	1	1	1	1	1	1	1	1	1
Other information												
Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	0	1	0	1	1	1	1	1	0	1
Score over 34			15	21	23	21	23	27	21	26	17	18
Total score over 22			10	14	15	14	15	17	14	17	11	12
Quality			Poor	Good	Poor	Poor						

Egger Regression										
	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 & Mazur	ndar									
Δx-y	-4.00									
Kendall's Tau a	-0.14									
Z	-0.49									
р	0.621									

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



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 preexisting DM and risk of antepartum depression.

1	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 & Mazum	dar			
$\Delta_{x-y}$	-3.00			
Kendall's Tau a	-1.00			
Z	-1.57			
р	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 & Mazum				
Δx-y	-6.00			
Kendall's Tau a	-0.17			
Z	-0.63			
р	0.532			



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