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## **Supplementary Material**

**Article Title:** The Risk of Relapse of Depression During Pregnancy After Discontinuation of Antidepressants: A Systematic Review and Meta-Analysis

**Author(s):** Hamideh Bayrampour, MSc, PhD; Arunima Kapoor, MSc, PhD; Mary Bunka, BA; and Deirdre Ryan, MD, FRCPC

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## Appendix 1. Search Strategies and Results

### A. Search Strategy on Medline

Search ID #	Search Terms or Options	Results
1	Pregnant Women/ or Pregnancy/ Prenatal Care/ or Perinatal Care/ or	838594
2	Preconception Care/ or Maternal Welfare/  (pregnant or pregnanc* or prenatal or perinatal or preconception or conceive or antenatal or antepartum).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique	36197
3	identifier, synonyms]	1001789
4	Maternal-Fetal Exchange/	29026
5	or/ 1-4 [pregnant]	1003918
6	Depression/ or Depression Disorder, Major/	107155
7	Mood Disorders/ (depressi* or affect*disorder or mood	13510
8	disorder).mp.	428397
9	or/ 6-8 [depression]	435837
10	Antidepressive Agents/	40974
11	Depressive Disorder, Major/ dt [Drug Therapy]	8012
12	Serotonin Uptake Inhibitors/	18633
13	(antidepress*).mp  (tricyclic or TCA or selective serotonin reuptake inhibitor or SSRI or serotonin norepinephrine	86041
14	reuptake inhibitor or SNRI). Mp Sertraline/ or Paroxetine/ or Citalopram/ or Fluoxetine/ or Desipramine/ or Imipramine/ or	38333
15	Nortriptyline/	32720
16	or/ 10-15 [antidepressants]	125266
17	5 and 9 and 16 [population]	1866

18	Medication Adherence/ or Treatment Refusal/ or Withholding Treatment/ (discontinu* or end or stop or decrease or maintain* or withhold* or adhere* or refus*).mp	37262
19	Recurrence/	2412555
20	Substance Withdrawal Syndrome/ (relapse or reintroduc* or recurrence or withdraw*).mp	174479
21	or/ 18-22 [outcome]	20746
22	17 and 23 [population, outcome]	647866
23		2969502
24		414

### B. Search strategy on EMBASE

Search ID #	Search Terms or Options	Results
1	pregnant woman/ or exp pregnancy/ prenatal care/ or perinatal care/ or prepregnancy care/ or maternal welfare/ or maternal care/	654166
2	(pregnant or pregnanc* or prenatal or perinatal or prepregnancy or antenatal or antepartum).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	73517
3	or/1-3 [pregnant]	1023153
4	depression/	1034395
5	mood disorder/	332274
6	antenatal depression/ (depressi* or affect*disorder or mood disorder).mp.	39618
7	maternal disease/	346
8	or/ 5-9 [depression]	657689
9		6449
10		663585

11	antidepressant agent/	89977
12	major depression/dt [Drug Therapy]	14752
13	serotonin uptake inhibitor/	45260
14	tricyclic antidepressant agent/	32494
15	(antidepress*).mp	150229
	(tricyclic or TCA or selective serotonin reuptake inhibitor or SSRI or serotonin norepinephrine reuptake inhibitor or SNRI).mp	69294
	sertraline/ or paroxetine/ or citalopram/ or fluoxetine/ or desipramine/ or imipramine/ or	
17	nortriptyline/	109406
18	prenatal drug exposure/	9308
19	or/ 11-18 [antidepressants]	254389
20	4 and 10 and 19 [population]	4518
	medication compliance/ or treatment refusal/	
21	or treatment withdrawal/	58047
	(discontinu* or end or stop or decrease or maintain* or withhold* or adhere* or	
22	refus*).mp	3215604
23	relapse/	131197
24	recurrent disease/ or recurrence risk/	224708
	(relapse or reintroduc* or recurrence or	
25	withdraw*).mp	995236
26	drug withdrawal/ or withdrawal syndrome/	195342
27	or/ 21-26 [outcome]	4116339
28	20 and 27 [population, outcome]	1281

### C. Search strategy on PSYCInfo

Search ID #	Search Terms	Search Options	Results
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1	pregnant or pregnanc* or prenatal or perinatal or preconception or conceive or antenatal or antepartum	80,054
2	depressi* or affect*disorder or mood disorder	344,301
3	antidepress* or tricyclic or TCA or selective serotonin reuptake inhibitor or SSRI or serotonin norepinephrine reuptake inhibitor or SNRI or sertraline or paroxetine or citalopram or fluoxetine or desipramine or imipramine or nortriptyline	58,360
4	discontinu* or end or stop or decrease or maintain* or withhold* or adhere* or refus* or relapse or reintroduc* or recurrence or withdraw*	490,982
5	1 and 2 and 3 and 4	274

#### **D. Search strategy on CINAHL**

<b>Search ID #</b>	<b>Search Terms</b>	<b>Search Options</b>	<b>Results</b>
1	(MH "Expectant Mothers")		5,640
2	(MH "Pregnancy+") OR (MH "Pregnancy Complications, Psychiatric+")		179,465
3	(MH "Prenatal Care") OR (MH "Prenatal Diagnosis+")		30,062
4	(MH "Perinatal Care") OR (MH "Prepregnancy Care")		5,019
5	(MH "Maternal Welfare") OR (MH "Maternal Behavior")		4,217
6	or/ 1-5		189,802
7	pregnant or pregnanc* or prenatal or perinatal or preconception or conceive or antenatal or antepartum		221,772
8	6 or 7 [pregnancy]		232,202

9 (MH "Depression+")	95,246
10 (MH "Affective Disorders+")	100,685
11 9 or 10	100,685
12 depressi* or affect*disorder or mood disorder	149,131
13 11 or 12 [depression]	152,867
14 (MH "Antidepressive Agents+")	20,380
(MH "Antidepressive Agents, Tricyclic+") OR (MH	
15 "Antidepressive Agents, Second Generation+")	7,476
16 (MH "Serotonin Uptake Inhibitors+")	10,060
(MH "Sertraline Hydrochloride") OR (MH	
"Paroxetine") OR (MH "Citalopram") OR (MH	
"Fluoxetine+") OR (MH "Desipramine") OR (MH	
17 "Imipramine") OR (MH "Nortriptyline")	4,588
18 (MH "Substance Abuse, Perinatal")	1,472
19 14 or 15 or 16 or 17 or 18	25,232
antidepress* or tricyclic or TCA or selective	
serotonin reuptake inhibitor or SSRI or	
serotonin norepinephrine reuptake inhibitor or	
20 SNRI	23,174
21 19 or 20 [antidepressants]	31,579
22 8 and 13 and 21 [population]	1,010
(MH "Medication Compliance") OR (MH	
"Treatment Refusal") OR (MH "Treatment	
Termination") OR (MH "Treatment	
23 Complications, Delayed")	23,943
discontinu* or end or stop or decrease or	
24 maintain* or withhold* or adhere* or refus*	392,703
(MH "Recurrence") OR (MH "Substance	
25 Withdrawal Syndrome+")	43,779
relapse or reintroduc* or recurrence or	
26 withdraw*	113,395
27 or/ 23-26 [outcome]	498,921

28 22 and 27 [population, outcome] 201

**TOTAL ARTICLES** 2170

DUPLICATES IDENTIFIED BY ENDNOTE 817

DUPLICATES DELETED 526

ADDITIONAL DUPLICATES IDENTIFIED  
AFTER ABSTRACT REVIEW & DELETED 118

**TOTAL DUPLICATES DELETED** **644**

**TOTAL REMAINING** **1526**

**Figure 1. Assessment of risk of bias in included studies**

	Selection Bias	Performance Bias	Attrition Bias	Detection Bias
Cohen 2006 <sup>13</sup>	●	●	●	●
Yonkers 2011 <sup>14</sup>	●	●	●	●
Cohen 2004b <sup>21</sup>	●	●	●	●
Cohen 2004 <sup>26</sup>	●	●	●	●
Roca 2013 <sup>28</sup>	●	●	●	●
Suzuki 2017 <sup>25</sup>	●	●	●	●
Bénard-Larivière 2018 <sup>2</sup>	●	●	●	●
Swanson 2015 <sup>27</sup>	●	●	●	●

● Unclear Risk

● High Risk

● Low Risk