

Table S1. List of data sources and codes used to define exposure and outcomes.

Variable type	Database source(s)	Code(s)
Exposures		
Oral and injectable antipsychotic medications		
<i>First-generation (“typical”)</i>	ODB	Haloperidol, Fluphenazine, Trifluoperazine, Zuclopenthixol, Perphenazine, Prochlorperazine, Thiothixene, Pimozide, Chlorazepate, Pipotiazine, Loxapine, Mesoridazine, Thioridazine, Chlorpromazine, Methotrimeprazine, Pericyazine
<i>Second-generation (“atypical”)</i>	ODB	Risperidone, Olanzapine, Quetiapine, Ziprasidone, Paliperidone, Aripiprazole
Main outcomes		
Main maternal medical outcomes		
<i>Gestational diabetes mellitus</i>	CIHI-DAD /OHIP	ICD 10-CA E10, E11, E13, E14, O244 <u>or</u> 2 OHIP 250
<i>Hypertensive disorders of pregnancy</i>	CIHI-DAD/OHIP	ICD-10 CA I10, I15 <u>or</u> O14, O15 <u>or</u> 2 OHIP 401
<i>Venous thromboembolism</i>	CIHI-DAD/OHIP	ICD-10-CA I80.1, I80.2, I80.3, I26.0, I26.9 or OHIP 451,415
Main perinatal outcomes		
<i>Preterm birth < 37 weeks gestation</i>	MOMBABY	b_gestwks_del (newborn gestational weeks at delivery)
<i>Small for gestational age birthweight < 3rd percentile</i>	MOMBABY	b_gestwks_del; baby_bwt
<i>Large for gestational age birthweight > 97th percentile</i>	MOMBABY	b_gestwks_del; baby_bwt
Secondary outcomes		
Obstetrical conditions and complications*		
<i>Placental abruption</i>	CIHI-DAD	ICD 10-CA: O45
<i>Placental infarction</i>	CIHI-DAD	ICD 10-CA: O43.1,O43.8,O43.9
<i>Septic shock</i>	CIHI-DAD	ICD 10-CA: O75.3,O85
<i>Peripartum hemorrhage</i>	CIHI-DAD	ICD 10-CA: O46,O67,O72
Labour and delivery		
<i>Labour induction</i>	CIHI-DAD	CCI: 5.AC.30
<i>Caesarean section</i>	CIHI-DAD	CCI 5.MD.60
<i>Operative vaginal delivery</i>	CIHI-DAD	CCI 5.MD.53, 54,55, 5MD56PC/PF/PJ
<i>Major perineal trauma (3rd or 4th degree tear)</i>	CIHI-DAD	CCI 5.MD.50.GH, 5.MD.53.KS/JE/KL/KN/KJ, 5.MD.54.KJ/KL/KN/NF, 5.MD.55.KN/KL/KJ/KR, 5.MD.56PA/PB/PC/PD/PE/PF/PG/PH/PJ, 5.PC.80.JN, 5.PD.13.SB

Variable type	Database source(s)	Code(s)
<i>Transfer to intensive care unit</i>	CIHI-DAD	Location variable: special care unit
Maternal readmission to hospital		
<i>Any readmission (≤ 7 days)</i>	CIHI-DAD/OMHRS	Any admission
<i>Any readmission (1 to 12 weeks)</i>	CIHI-DAD/OMHRS	Any admission
<i>Non-mental health (≤ 7 days)</i>	CIHI-DAD	Any CIHI-DAD except mental health admission (below)
<i>Non-mental health (1 to 12 weeks)</i>	CIHI-DAD	Any CIHI-DAD except mental health admission (below)
<i>Mental health ≤ 7 days</i>	CIHI-DAD/OMHRS	ICD10 CA: F00.X - F99.X, G30.X, G31.X, R54.X or any OMHRS admission
<i>Mental health (1 to 12 weeks)</i>	CIHI-DAD/OMHRS	ICD10 CA: F00.X - F99.X, G30.X, G31.X, R54.X or any OMHRS admission
Perinatal indicators		
<i>Preterm birth < 32 weeks gestation</i>	MOMBABY	b_gestwks_del (newborn gestational weeks at delivery)
<i>Preterm birth < 28 weeks gestation</i>	MOMBABY	b_gestwks_del (newborn gestational weeks at delivery)
<i>Small for gestational age < 10th percentile</i>	MOMBABY	b_gestwks_del; baby_bwt
<i>Large for gestational age > 90th percentile</i>	MOMBABY	b_gestwks_del; baby_bwt
Neonatal complications		
<i>Respiratory distress syndrome</i>	CIHI-DAD	ICD 10 CA: P22.0
<i>Seizure</i>	CIHI-DAD	ICD 10 CA: P90
<i>Sepsis</i>	CIHI-DAD	ICD 10 CA: P36
<i>Intraventricular hemorrhage</i>	CIHI-DAD	ICD 10 CA: I61.5, P10.2, P52.
<i>Persistent fetal circulation</i>	CIHI-DAD	ICD 10 CA: P29.3
<i>Neonatal adaptation syndrome</i>	CIHI-DAD	ICD 10 CA: P96.1
<i>Congenital/neonatal infection</i>	CIHI-DAD	ICD 10 CA: P23,P35,P37
<i>Congenital malformations</i>	CIHI-DAD	ICD 10 CA: Q.00-Q.89
Maternal and perinatal mortality		
<i>Stillbirth > 20 weeks gestation</i>	MOMBABY	m_stillbirth
<i>Neonatal mortality < 90 days</i>	RPDB	N/A
<i>Maternal mortality 0 to 90 days postpartum</i>	RPDB	N/A

ODB: Ontario Drug Benefit; CIHI-DAD: Canadian Institute of Health Information Discharge Abstract Database (Hospitalization diagnostic and procedure codes), using the International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Canada (ICD-10-CA) and the Canadian Classification of Health Interventions (CCI) OHIP: Ontario Health Insurance Plan (Physician diagnostic claim codes); MOMBABY: ICES derived dataset from information in the CIHI-DAD, with maternal-child matching number on all in-hospital deliveries since 2002; OMHRS: Ontario Mental Health Reporting System, for all hospital admissions to registered mental health beds after 2005

RPDB: Registered persons database (in-hospital and out of hospital deaths)

Table S2. List of the top 500 binary empirical covariates included in the high-dimensional propensity score, ranked by the strength of the covariate-exposure relation. All covariates were assessed within the year prior to conception.

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
1	ODB		BENZTROPINE MESYLATE	frequent
2	ODB		BENZTROPINE MESYLATE	sporadic
3	OHIP	295	Schizophrenia	frequent
4	ODB		BENZTROPINE MESYLATE	once
5	ODB		LITHIUM CARBONATE	frequent
6	OHIP	295	Schizophrenia	sporadic
7	CIHI-DAD	F60	Specific personality disorders	frequent
8	OHIP	295	Schizophrenia	once
9	ODB		DIVALPROEX SODIUM	frequent
10	OHIP	298	Other psychoses	frequent
11	OHIP	298	Other psychoses	sporadic
12	ODB		LITHIUM CARBONATE	sporadic
13	OMHRS	301	Personality disorders (e.g., paranoid personality, schizoid personality, obsessive compulsive personality)	frequent
14	OMHRS	296	Manic depressive psychosis, involuntional melancholia	once
15	NACRS	F31	Bipolar affective disorder	once
16	OHIP	298	Other psychoses	once
17	OMHRS	301	Personality disorders (e.g., paranoid personality, schizoid personality, obsessive compulsive personality)	once
18	OHIP	296	Manic depressive psychosis, involuntional melancholia	frequent
19	ODB		DIVALPROEX SODIUM	sporadic
20	NACRS	F60	Specific personality disorders	once
21	NACRS	Z91	Personal history of risk-factors, not elsewhere classified	once
22	ODB		LITHIUM CARBONATE	once
23	OHIP	296	Manic depressive psychosis, involuntional melancholia	sporadic
24	ODB		LAMOTRIGINE	frequent
25	ODB		CLONAZEPAM	frequent
26	CIHI-DAD	F60	Specific personality disorders	once
27	OHIP	301	Personality disorders (e.g., paranoid personality, schizoid personality, obsessive compulsive personality)	frequent

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
28	ODB		DIVALPROEX SODIUM	once
29	ODB		CARBAMAZEPINE	frequent
30	OHIP	296	Manic depressive psychosis, involuntal melancholia	once
31	NACRS	Z00	General examination and investigation of persons without complaint and reported diagnosis	once
32	ODB		DIAZEPAM	frequent
33	ODB		DULOXETINE	frequent
34	NACRS	T43	Poisoning by psychotropic drugs, not elsewhere classified	once
35	NACRS	F14	Mental and behavioural disorders due to use of cocaine	once
36	ODB		PHENYTOIN SODIUM	frequent
37	NACRS	F19	Mental and behavioural disorders due to multiple drug use and use of other psychoactive substances	once
38	ODB		FLUOXETINE HCL	frequent
39	ODB		TOPIRAMATE	sporadic
40	ODB		CLONIDINE HCL	frequent
41	NACRS	T42	Poisoning by antiepileptic, sedative-hypnotic and antiparkinsonism drugs	once
42	NACRS	X61	Intentional self-poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified	once
43	ODB		OXAZEPAM	frequent
44	ODB		LAMOTRIGINE	sporadic
45	ODB		CLONAZEPAM	sporadic
46	OHIP	301	Personality disorders (e.g., paranoid personality, schizoid personality, obsessive compulsive personality)	once
47	ODB		TOPIRAMATE	once
48	ODB		OXYBUTYNIN CHLORIDE	frequent
49	NACRS	2AZ02	Assessment, mental health	once
50	ODB		MIRTAZAPINE	frequent
51	ODB		TOPIRAMATE	frequent
52	NACRS	6AA10	Counseling, mental health	once
53	NACRS	R45	Symptoms and signs involving emotional state	once
54	NACRS	6AA02	Assessment, mental health and addictions	once
55	ODB		BUPROPION HCL	frequent

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
56	ODB		ESCITALOPRAM OXALATE	frequent
57	ODB		SERTRALINE HCL	frequent
58	ODB		CARBAMAZEPINE	sporadic
59	ODB		CLONIDINE HCL	sporadic
60	ODB		DOXEPIN HCL	frequent
61	CIHI-DAD	U98	Place of occurrence	once
62	ODB		VENLAFAXINE HCL	frequent
63	ODB		LAMOTRIGINE	once
64	NACRS	R56	Convulsions, not elsewhere classified	frequent
65	ODB		LORAZEPAM	frequent
66	ODB		METHYLPHENIDATE HCL	frequent
67	ODB		TEMAZEPAM	frequent
68	ODB		DIAZEPAM	sporadic
69	NACRS	X78	Intentional self-harm by sharp object	once
70	ODB		MIRTAZAPINE	sporadic
71	OHIP	977	Of drugs and medications - including allergy, overdose, reactions	frequent
72	ODB		CLONAZEPAM	once
73	ODB		CLONIDINE HCL	once
74	ODB		METHADONE	sporadic
75	ODB		TRAZODONE HCL	frequent
76	OHIP	311	Depressive or other non-psychotic disorders, not elsewhere classified	frequent
77	NACRS	F32	Depressive episode	once
78	ODB		FLUOXETINE HCL	sporadic
79	ODB		OXAZEPAM	sporadic
80	ODB		METHADONE	frequent
81	ODB		CITALOPRAM HBR	frequent
82	ODB		DULOXETINE	sporadic
83	CIHI-DAD	F32	Depressive episode	once
84	ODB		GABAPENTIN	sporadic

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
85	ODB		GABAPENTIN	frequent
86	NACRS	F11	Mental and behavioural disorders due to use of opioids	once
87	ODB		BUPROPION HCL	sporadic
88	ODB		ATORVASTATIN CALCIUM	frequent
89	ODB		CARBAMAZEPINE	once
90	ODB		METHYLPHENIDATE HCL	sporadic
91	OHIP	311	Depressive or other non-psychotic disorders, not elsewhere classified	sporadic
92	NACRS	F43	Reaction to severe stress, and adjustment disorders	once
93	OHIP	309	Adjustment reaction	frequent
94	ODB		GABAPENTIN	once
95	OHIP	303	Alcoholism	frequent
96	ODB		TRAZODONE HCL	sporadic
97	OHIP	300	Anxiety neurosis, hysteria, neurasthenia, obsessive compulsive neurosis, reactive depression	frequent
98	ODB		DIAZEPAM	once
99	ODB		MIRTAZAPINE	once
100	ODB		METHADONE	once
101	OHIP	304	Drug dependence, drug addiction	sporadic
102	ODB		Compound code not applicable (i.e. for methadone)	once
103.5	ODB		OXYCODONE HCL	frequent
103.5	NACRS	1YT80	Repair, skin of arm	once
105	ODB		PHENYTOIN SODIUM	sporadic
106	ODB		PHENYTOIN SODIUM	once
107	OHIP	304	Drug dependence, drug addiction	frequent
108	CIHI-DAD	F43	Reaction to severe stress, and adjustment disorders	once
109	ODB		OXYBUTYNIN CHLORIDE	once
110	ODB		VENLAFAXINE HCL	sporadic
111	NACRS	Z76	Persons encountering health services in other circumstances	once
112	ODB		PROPRANOLOL HCL	frequent
113	ODB		OXYBUTYNIN CHLORIDE	sporadic

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
114	OHIP	306	Psychosomatic disturbances	frequent
115	OHIP	304	Drug dependence, drug addiction	once
116	ODB		DOXEPIN HCL	sporadic
117	ODB		ROSUVASTATIN CALCIUM	frequent
118	ODB		SERTRALINE	frequent
119	ODB		OXYCODONE HCL	sporadic
120	ODB		ESCITALOPRAM OXALATE	sporadic
121	ODB		ALPRAZOLAM	frequent
122	ODB		PAROXETINE HCL	frequent
123	ODB		SENNA	frequent
124	ODB		PROPRANOLOL HCL	sporadic
125	NACRS	F10	Mental and behavioural disorders due to use of alcohol	once
126	ODB		MORPHINE SULFATE	frequent
127	OHIP	303	Alcoholism	once
128	ODB		OXAZEPAM	once
129	ODB		TRAZODONE HCL	once
130	ODB		FLUOXETINE HCL	once
131	NACRS	1PM52	Drainage, bladder NEC	once
132	ODB		DULOXETINE	once
133	ODB		SERTRALINE HCL	sporadic
134	ODB		PROCHLORPERAZINE MALEATE	frequent
135	ODB		ALPRAZOLAM	sporadic
136	OHIP	311	Depressive or other non-psychotic disorders, not elsewhere classified	once
137	NACRS	R56	Convulsions, not elsewhere classified	once
138	ODB		BUPROPION HCL	once
139	NACRS	T39	Poisoning by nonopioid analgesics, antipyretics and antirheumatics	once
140	NACRS	Z04	Examination and observation for other reasons	once
141	ODB		HYDROMORPHONE HCL	once
142	NACRS	Z72	Problems related to lifestyle	once

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
143	ODB		CITALOPRAM HBR	sporadic
144	ODB		OMEPRAZOLE	frequent
145	ODB		LORAZEPAM	once
146	NACRS	Z63	Other problems related to primary support group, including family circumstances	once
147	ODB		METHYLPHENIDATE HCL	once
148	NACRS	F41	Other anxiety disorders	once
149	NACRS	E14	Unspecified diabetes mellitus	frequent
150	ODB		PAROXETINE HCL	sporadic
151	ODB		HYDROMORPHONE HCL	frequent
152	OHIP	309	Adjustment reaction	once
153	ODB		ESCITALOPRAM OXALATE	once
154	ODB		ATORVASTATIN CALCIUM	sporadic
155	ODB		SERTRALINE HCL	once
156	ODB		SERTRALINE	sporadic
157	ODB		PANTOPRAZOLE SODIUM	frequent
158	ODB		NORTRIPTYLINE HCL	frequent
159	OHIP	300	Anxiety neurosis, hysteria, neurasthenia, obsessive compulsive neurosis, reactive depression	sporadic
160	ODB		RABEPRAZOLE SODIUM	frequent
161	OHIP	977	Of drugs and medications - including allergy, overdose, reactions	once
162	ODB		TEMAZEPAM	once
163	ODB		AMITRIPTYLINE HCL	frequent
164	ODB		OXYCODONE HCL	once
165	ODB		PROPRANOLOL HCL	once
166	NACRS	Z03	Medical observation and evaluation for suspected diseases and conditions	once
167	ODB		VENLAFAXINE HCL	once
168	ODB		LANSOPRAZOLE	frequent
169	ODB		DOMPERIDONE	frequent
170	OHIP	345	Epilepsy	frequent
171	ODB		CELECOXIB	frequent

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
172	ODB		BENZOYL PEROXIDE	frequent
173	NACRS	R52	Pain, not elsewhere classified	once
174	ODB		SENNA	once
175	ODB		OMEPRAZOLE	sporadic
176	NACRS	2ZZ13	Specimen collection (for diagnostic testing), total body	frequent
177	ODB		SERTRALINE	once
178	NACRS	S06	Intracranial injury	once
179	NACRS	X58	Exposure to other specified factors	once
180	ODB		EPINEPHRINE HCL	once
181	ODB		FAMOTIDINE	frequent
182	ODB		ROSUVASTATIN CALCIUM	sporadic
183	NACRS	U98	Place of occurrence for external injury (e.g. school, arena)	frequent
184	NACRS	Y07	Other maltreatment syndromes	once
185	ODB		CITALOPRAM HBR	once
186	ODB		FLUTICASONE PROPIONATE & SALMETEROL XINAFOATE	frequent
187	OHIP	305	Tobacco abuse	frequent
188	ODB		RANITIDINE HCL	frequent
189	OHIP	313	Behaviour disorders of childhood and adolescence	once
190	OHIP	592	Stone in kidney or ureter	frequent
191	OHIP	70	Viral hepatitis	once
192	OHIP	300	Anxiety neurosis, hysteria, neurasthenia, obsessive compulsive neurosis, reactive depression	once
193	NACRS	R25	Abnormal involuntary movements	once
194	ODB		RAMIPRIL	frequent
195	OHIP	306	Psychosomatic disturbances	once
196	ODB		DOCUSATE	once
197	NACRS	W45	Foreign body or object entering through skin	once
198	NACRS	Y04	Assault by bodily force	once
199	ODB		DOXEPIN HCL	once
200	ODB		MORPHINE SULFATE	once

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
201	OHIP	313	Behaviour disorders of childhood and adolescence	frequent
202	NACRS	R53	Malaise and fatigue	once
203.5	ODB		PANTOPRAZOLE SODIUM	sporadic
203.5	NACRS	L02	Cutaneous abscess, furuncle and carbuncle	once
205	ODB		TRETINOIN	frequent
206	NACRS	3PS10	Xray, kidney with ureter and bladder	once
207	ODB		ALPRAZOLAM	once
208	ODB		ALBUTEROL	frequent
209	ODB		IBUPROFEN	frequent
210	ODB		DOMPERIDONE MALEATE	frequent
211	ODB		NORTRIPTYLINE HCL	once
212	ODB		ACETAMINOPHEN & OXYCODONE HCL	frequent
213	ODB		PROCHLORPERAZINE MALEATE	once
214	OHIP	349	Other diseases of central nervous system (e.g., brain abscess, narcolepsy, motor neuron disease, syringomyelia)	frequent
215	NACRS	L03	Cellulitis	frequent
216	NACRS	3AN20	Computerized tomography [CT], brain	once
217	NACRS	E14	Unspecified diabetes mellitus	once
218	OHIP	314	Hyperkinetic syndrome of childhood	once
219	ODB		HYDROCHLOROTHIAZIDE	frequent
220.5	OHIP	136	Other infectious or parasitic diseases	frequent
220.5	OHIP	451	Phlebitis, thrombophlebitis	frequent
222	OHIP	314	Hyperkinetic syndrome of childhood	frequent
223	NACRS	L03	Cellulitis	once
224	ODB		LACTULOSE	once
225	ODB		FLUTICASONE PROPIONATE	frequent
226	NACRS	W18	Other fall on same level	once
227	ODB		BACLOFEN	frequent
228	OHIP	345	Epilepsy	sporadic

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
229	OHIP	592	Stone in kidney or ureter	once
230	ODB		METOCLOPRAMIDE HCL	once
231	OHIP	909	Other problems of social adjustment	frequent
232	ODB		INSULIN ASPART RECOMBINANT	frequent
233	ODB		PAROXETINE HCL	once
234	NACRS	T88	Other complications of surgical and medical care, not elsewhere classified	once
235	ODB		LEVOTHYROXINE SODIUM	frequent
236	NACRS	Z71	Persons encountering health services for other counseling and medical advice, not elsewhere classified	once
237	OHIP	70	Viral hepatitis	frequent
238	OHIP	592	Stone in kidney or ureter	sporadic
239	ODB		ALBUTEROL	once
240	NACRS	T31	Burns classified according to extent of body surface involved	once
241	ODB		OMEPRAZOLE	once
242	OHIP	949	Burns - thermal or chemical	frequent
243	ODB		FLUTICASONE PROPIONATE & SALMETEROL XINAFOATE	sporadic
244	ODB		FUROSEMIDE	once
245	NACRS	E11	Type 2 Diabetes mellitus	frequent
246	NACRS	3ER20	Computerized tomography [CT], head NEC	once
247	NACRS	N89	Other noninflammatory disorders of vagina	once
248	NACRS	S60	Superficial injury of wrist and hand	once
249	OHIP	345	Epilepsy	once
250.5	NACRS	W49	Exposure to other and unspecified inanimate mechanical forces	once
250.5	NACRS	3VA10	Xray, hip joint	once
252	OHIP	641	Abruptio placentae, placenta praevia	frequent
253	NACRS	L02	Cutaneous abscess, furuncle and carbuncle	frequent
254	ODB		BENZOYL PEROXIDE & CLINDAMYCIN	frequent
255	NACRS	U99	Activity during external injury	once
256	OHIP	884	Lacerations, open wounds, traumatic amputations - upper limb(s)	sporadic
257	ODB		METFORMIN	frequent

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
258	NACRS	S61	Open wound of wrist and hand	once
259	ODB		FOLIC ACID	frequent
260	ODB		DOCUSATE SODIUM	once
261	ODB		LANSOPRAZOLE	once
262	NACRS	W25	Contact with sharp glass	once
263	ODB		LEVOFLOXACIN	once
264	OHIP	816	Phalanges - foot or hand	sporadic
265	NACRS	2ZZ13	Specimen collection (for diagnostic testing), total body	once
266	NACRS	2HZ24	Electrophysiological measurement, heart	once
267	NACRS	S89	Other and unspecified injuries of lower leg	once
268	NACRS	S02	Fracture of skull and facial bones	once
269	CIHI-DAD	R10	Abdominal and pelvic pain	once
270	ODB		ATORVASTATIN CALCIUM	once
271	CIHI-DAD	O00	Ectopic pregnancy	once
272	OHIP	884	Lacerations, open wounds, traumatic amputations - upper limb(s)	once
273	NACRS	T14	Injury of unspecified body region	once
274	ODB		METFORMIN HCL	frequent
275	OHIP	521	Dental caries, other diseases of hard tissues of teeth (system inserted for dentists' claims)	frequent
276	ODB		PANTOPRAZOLE SODIUM	once
277	OHIP	682	Cellulitis, abscess	frequent
278	OHIP	313	Behaviour disorders of childhood and adolescence	sporadic
279	NACRS	Z48	Other surgical follow-up care	once
280	ODB		GLYBURIDE	sporadic
281	NACRS	1ZZ35	Pharmacotherapy, total body	frequent
282	ODB		FLUTICASONE PROPIONATE & SALMETEROL XINAFOATE	once
283	NACRS	W50	Hit, struck, kicked, twisted, bitten or scratched by another person	once
284	OHIP	930	Foreign body in eye, or other tissues	frequent
285	NACRS	A09	Diarrhoea and gastroenteritis of presumed infectious origin	once
286	ODB		BENZOYL PEROXIDE & CLINDAMYCIN PHOSPHATE	frequent

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
287	NACRS	E10	Type 1 Diabetes mellitus	frequent
288	ODB		AMLODIPINE BESYLATE	frequent
289	NACRS	K59	Other functional intestinal disorders	once
290	NACRS	T00	Superficial injuries involving multiple body regions	once
291	NACRS	L08	Other local infections of skin and subcutaneous tissue	once
292	OHIP	879	Lacerations, open wounds - except limbs	sporadic
293	NACRS	Z51	Other medical care	frequent
294	ODB		ALBUTEROL SULFATE	frequent
295	OHIP	305	Tobacco abuse	once
296	OHIP	816	Phalanges - foot or hand	once
297	ODB		MUPIROCIN	once
298	NACRS	U98	Place of occurrence for external injury (e.g. school, arena)	once
299	NACRS	J20	Acute bronchitis	once
300	ODB		RABEPRAZOLE SODIUM	once
301	ODB		FUROSEMIDE	frequent
302	CIHI-DAD	O99	Complications of anaesthesia during the puerperium	once
303	ODB		DICLOFENAC SODIUM & MISOPROSTOL	frequent
304	OHIP	136	Other infectious or parasitic diseases	once
305	ODB		CYANOCOBALAMIN	once
306	NACRS	S99	Other and unspecified injuries of ankle and foot	once
307	NACRS	K02	Dental caries	once
308	ODB		FOLIC ACID	sporadic
309	ODB		BISACODYL	once
310	NACRS	8TA70	Immunization (to prevent) tetanus	once
311	NACRS	S20	Superficial injury of thorax	once
312	OHIP	564	Spastic colon, irritable colon, mucous colitis, constipation	frequent
313	NACRS	G43	Migraine	once
314	NACRS	X59	Exposure to unspecified factor	once
315	ODB		INSULIN ASPART RECOMBINANT	sporadic

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
316.5	OHIP	340	Multiple sclerosis	frequent
316.5	OHIP	703	Ingrown nail, onychogryposis	frequent
318	ODB		MELOXICAM	frequent
319	ODB		AMITRIPTYLINE HCL	once
320	OHIP	686	Pyoderma, pyogenic granuloma, other local infections	once
321	ODB		PSYLLIUM	frequent
322	NACRS	S00	Superficial injury of head	once
323	OHIP	349	Other diseases of central nervous system (e.g., brain abscess, narcolepsy, motor neuron disease, syringomyelia)	once
324	NACRS	G44	Other headache syndromes	once
325	ODB		INDOMETHACIN	once
326	NACRS	3UL10	Xray, joints of fingers and hand NEC	once
327	CIHI-DAD	Y83	Surgical operation and other surgical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure	once
328.5	ODB		RAMIPRIL	sporadic
328.5	CIHI-DAD	5CA93	Surgical removal of extrauterine pregnancy	once
330	OHIP	370	Keratitis, corneal ulcer	frequent
331	ODB		CLINDAMYCIN HCL	once
332	OHIP	530	Esophagitis, cardiospasm, ulcer of esophagus; stricture, stenosis, or obstruction of esophagus	once
333	OHIP	854	Other head injuries	once
334	CIHI-DAD	3OT20	Computerized tomography [CT], abdominal cavity	once
335	NACRS	N76	Other inflammation of vagina and vulva	once
336	NACRS	S33	Dislocation, sprain and strain of joints and ligaments of lumbar spine and pelvis	once
337	NACRS	S39	Other and unspecified injuries of abdomen, lower back and pelvis	once
338	NACRS	S09	Other and unspecified injuries of head	once
339	ODB		BACLOFEN	once
340	NACRS	3TM10	Xray, elbow joint	once
341	OHIP	346	Migraine	frequent
342	NACRS	3OT10	Xray, abdominal cavity	once

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
343	ODB		LEVOTHYROXINE SODIUM	sporadic
344	NACRS	N91	Absent, scanty and rare menstruation	once
345	NACRS	L30	Other dermatitis	once
346	ODB		DEXAMETHASONE & FRAMYCETIN SULFATE & GRAMICIDIN	once
347	OHIP	555	Regional enteritis, Crohn's disease	once
348	NACRS	R42	Dizziness and giddiness	once
349	NACRS	Z09	Follow-up examination after treatment for conditions other than malignant neoplasms	once
350	NACRS	B37	Candidiasis	once
351	OHIP	565	Anal fissure, anal fistula	once
352	ODB		DOMPERIDONE	once
353	ODB		ACETAMINOPHEN & OXYCODONE HCL	once
354	NACRS	S50	Superficial injury of forearm	once
355	NACRS	K62	Other diseases of anus and rectum	once
356	NACRS	E11	Type 2 Diabetes mellitus	once
357	ODB		BENZOYL PEROXIDE & CLINDAMYCIN PHOSPHATE	once
358	OHIP	658	Premature rupture of membrane	frequent
359	ODB		HYDROCHLOROTHIAZIDE	once
360	CIHI-DAD	O63	Long labour	once
361	ODB		FLUTICASONE PROPIONATE	once
362	ODB		CELECOXIB	once
363	OHIP	879	Lacerations, open wounds - except limbs	once
364	ODB		BUDESONIDE & FORMOTEROL FUMARATE	once
365	OHIP	989	Of other chemicals (e.g., lead, pesticides, and venomous bites)	once
366	NACRS	R00	Abnormalities of heart beat	once
367	NACRS	M79	Other soft tissue disorders, not elsewhere classified	once
368	OHIP	615	Acute or chronic endometritis	once
369	OHIP	10	Primary tuberculous infection, including recent positive TB skin test conversion	frequent
370	OHIP	240	Simple thyroid goitre	once
371	OHIP	340	Multiple sclerosis	once

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
372	OHIP	842	Wrist, hand, fingers	frequent
373	ODB		DESONIDE	once
374	OHIP	611	Breast abscess, gynaecomastia, hypertrophy, other disorders of breast	frequent
375	NACRS	1YU80	Repair, skin of hand	once
376	OHIP	615	Acute or chronic endometritis	sporadic
377	OHIP	532	Duodenal ulcer, with or without haemorrhage or perforation	once
378	ODB		ATENOLOL	once
379	NACRS	O21	Excessive vomiting in pregnancy	once
380	ODB		PSYLLIUM	once
381	OHIP	289	Other diseases of blood, marrow, spleen	frequent
382	ODB		FUROSEMIDE	sporadic
383	OHIP	909	Other problems of social adjustment	once
384.5	ODB		BENZALKONIUM & DEXAMETHASONE & TOBRAMYCIN	once
384.5	OHIP	698	Pruritus ani, other itchy conditions	once
386	OHIP	729	Fibrositis, myositis, muscular rheumatism	once
387	NACRS	H57	Other disorders of eye and adnexa	once
388	ODB		MOXIFLOXACIN HCL	once
389	ODB		DICLOFENAC SODIUM	once
390	ODB		MOMETASONE FUROATE	frequent
391	ODB		BUDESONIDE	frequent
392	NACRS	S91	Open wound of ankle and foot	once
393	NACRS	W01	Fall on same level from slipping, tripping and stumbling	once
394	ODB		METFORMIN	once
395	NACRS	5AB06	Fetal biometric qualitative evaluation	frequent
396	OHIP	695	Erythema multiforme, erythema nodosum, acne, rosacea, lupus erythematosus, intertrigo	once
397	NACRS	3EQ10	Xray, soft tissue of head and neck	once
398	CIHI-DAD	1OD89	Excision total, gallbladder	once
399	NACRS	3UZ10	Xray, hand with wrist	once
400.5	ODB		ROSUVASTATIN CALCIUM	once

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
400.5	CIHI-DAD	5MD53	Forceps traction and rotation delivery	once
402	NACRS	N77	Vulvovaginal ulceration and inflammation in diseases classified elsewhere	once
403	CIHI-DAD	1NV89	Excision total, appendix	once
404	OHIP	280	Iron deficiency anaemia	once
405	OHIP	521	Dental caries, other diseases of hard tissues of teeth (system inserted for dentists' claims)	once
406	OHIP	256	Ovarian dysfunction (e.g., ovarian failure, polycystic ovaries, Stein-Leventhal syndrome)	once
407	ODB		METAPROTERENOL SULFATE	once
408	NACRS	3RZ30	Ultrasound, female genital tract NEC	once
409	ODB		IRON FERROUS GLUCONATE	frequent
410	ODB		HYDROCHLOROTHIAZIDE	sporadic
411	CIHI-DAD	O13	Gestational [pregnancy-induced] hypertension without significant proteinuria	once
412	OHIP	919	Abrasions, bruises, contusions and other superficial injury including non-venomous bites	once
413	NACRS	3WA10	Xray, ankle joint	once
414	ODB		RANITIDINE HCL	once
415	ODB		NIZATIDINE	once
416	OHIP	683	Acute lymphadenitis	once
417	ODB		DICLOFENAC SODIUM & MISOPROSTOL	once
418	OHIP	474	Hypertrophy or chronic infection of tonsils and/or adenoids	sporadic
419	OHIP	685	Pilonidal cyst or abscess	frequent
420	ODB		BUDESONIDE & FORMOTEROL FUMARATE	frequent
421	NACRS	M25	Other joint disorders, not elsewhere classified	once
422	OHIP	277	Other metabolic disorders	once
423	OHIP	540	Acute appendicitis, with or without abscess or peritonitis	sporadic
424	NACRS	M54	Dorsalgia	once
425	OHIP	280	Iron deficiency anaemia	frequent
426	ODB		WARFARIN SODIUM	once
427	NACRS	S93	Dislocation, sprain and strain of joints and ligaments at ankle and foot level	once
428	OHIP	540	Acute appendicitis, with or without abscess or peritonitis	once
429	OHIP	633	Ectopic pregnancy	sporadic

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
430	ODB		MEPERIDINE HCL	frequent
431	NACRS	3SC10	Xray, spinal vertebrae	once
432	ODB		IBUPROFEN	once
433	OHIP	718	Joint derangement, recurrent dislocation, ankylosis, meniscus or cartilage tear, loose body in joint	once
434	OHIP	496	Other chronic obstructive pulmonary disease	once
435	OHIP	575	Cholecystitis, without gall stones	once
436	OHIP	340	Multiple sclerosis	sporadic
437	OHIP	999	WITHOUT DIAGNOSIS	frequent
438	NACRS	S01	Open wound of head	once
439	OHIP	451	Phlebitis, thrombophlebitis	once
440	OHIP	949	Burns - thermal or chemical	once
441	NACRS	R55	Syncope and collapse	once
442	NACRS	K08	Other disorders of teeth and supporting structures	once
443	NACRS	1WA03	Immobilization, ankle joint	once
444	ODB		ALBUTEROL SULFATE	once
445	OHIP	610	Cystic mastitis, chronic cystic disease, breast cyst, fibro-adenosis of breast	frequent
446	OHIP	242	Hyperthyroidism, thyrotoxicosis, exophthalmic goitre	frequent
447	NACRS	B96	Other bacterial agents as the cause of diseases classified to other chapters	once
448	NACRS	J40	Bronchitis, not specified as acute or chronic	once
449.5	NACRS	J98	Other respiratory disorders	once
449.5	OHIP	680	Boil, carbuncle, furunculosis	frequent
451	OHIP	635	Therapeutic abortion	sporadic
452	OHIP	307	Habit spasms, tics, stuttering, tension headaches, anorexia nervosa, sleep disorders, enuresis	frequent
453	NACRS	K04	Diseases of pulp and periapical tissues	once
454	OHIP	100	Diagnostic code 100 is for internal use only and should be used when it is requested that the service or diagnosis on the incoming claim be suppressed from verification. The usage of the code is monitored.	once
455	OHIP	519	Other diseases of respiratory system	frequent
456	NACRS	N94	Pain and other conditions associated with female genital organs and menstrual cycle	once
457	NACRS	3GY10	Xray, thoracic cavity NEC	once

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
458	CIHI-DAD	5PC91	Interventions to uterus (following delivery)	once
459.5	OHIP	729	Fibrositis, myositis, muscular rheumatism	frequent
459.5	OHIP	829	Other fractures	sporadic
461	NACRS	R11	Nausea and vomiting	once
462	OHIP	704	Alopecia	frequent
463	OHIP	642	Pre-eclampsia, eclampsia, toxemia	sporadic
464	NACRS	R21	Rash and other nonspecific skin eruption	once
465	ODB		CEFUROXIME AXETIL	once
466	OHIP	277	Other metabolic disorders	frequent
467	OHIP	899	Parent-child problems (e.g., child-abuse, battered child, child neglect)	once
468	OHIP	281	Pernicious anaemia	frequent
469	OHIP	696	Psoriasis	frequent
470	ODB			frequent
471	NACRS	Z51	ACETAMINOPHEN & CAFFEINE & CODEINE PHOSPHATE	once
472	NACRS	1ZZ35	Pharmacotherapy, total body	once
473	NACRS	O26	Maternal care for other conditions predominantly related to pregnancy	once
474	ODB		DOXYLAMINE SUCCINATE & PYRIDOXINE HCL	frequent
475	CIHI-DAD	5PC80	Surgical repair, postpartum	once
476	NACRS	S90	Superficial injury of ankle and foot	once
477	OHIP	272	Disorders of lipid metabolism (e.g., hypercholesterolemia, lipoprotein disorders)	once
478	OHIP	959	Other injuries or trauma	frequent
479	OHIP	635	Therapeutic abortion	once
480	OHIP	680	Boil, carbuncle, furunculosis	once
481	ODB		ETHINYLESTRADIOL & NORGESTREL	frequent
482	OHIP	635	Therapeutic abortion	frequent
483	NACRS	S05	Injury of eye and orbit	once
484	OHIP	574	Cholelithiasis (gall stones) with or without cholecystitis	sporadic
485	OHIP	847	Neck, low back, coccyx	frequent
486	NACRS	3OT20	Computerized tomography [CT], abdominal cavity	once

Rank	Data Dimension	Code	Description of covariate	Type of binary covariate
487	OHIP	530	Esophagitis, cardiospasm, ulcer of esophagus; stricture, stenosis, or obstruction of esophagus	frequent
488	ODB		ACETAMINOPHEN	frequent
489	ODB		ETHINYLESTRADIOL & NORETHINDRONE ACETATE	once
490	OHIP	388	Wax or cerumen in ear, other disorders of ear and mastoid, tinnitus	frequent
491	ODB		NAPROXEN	once
492	NACRS	K80	Cholelithiasis	once
493	ODB		CLOBETASOL PROPIONATE	frequent
494	ODB		CICLESONIDE	once
495	CIHI-DAD	O70	Perineal laceration during delivery	once
496	NACRS	S30	Superficial injury of abdomen, lower back and pelvis	once
497	ODB		INJECTABLE MIXTURE	frequent
498	ODB		METFORMIN HCL	once
499	OHIP	682	Cellulitis, abscess	once
500	OHIP	356	Idiopathic peripheral neuritis	once

Abbreviations: ODB: Ontario Drug Benefit program; CIHI-DAD: Canadian Institute of Health Information Discharge Abstract Database (Hospitalization diagnostic and procedure codes), using the International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Canada (ICD-10-CA) and the Canadian Classification of Health Interventions (CCI); NACRS: National Ambulatory Care Reporting System (emergency department diagnostic and procedure codes), using the International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Canada (ICD-10-CA) and the Canadian Classification of Health Interventions (CCI); OHIP: Ontario Health Insurance Plan (Physician diagnostic claim codes)

Table S3. Main maternal medical and perinatal outcomes in the matched cohort of 1021 antipsychotic users vs. 1021 non-users, presented by the timing of medication exposure in pregnancy.

Timing of exposure in pregnancy	Outcome	Medication exposure group	No. (%) with outcome	Relative risk (95% CI)	Adjusted relative risk* (95% CI)
First trimester, < 12 weeks gestation (n = 893 per exposure group)	Main maternal medical outcomes				
	<i>Gestational diabetes mellitus</i>	Non-users	56 (6.3)	1.00 (Referent)	1.00 (Referent)
		Antipsychotic users	64 (7.2)	1.14 (0.80-1.64)	1.12 (0.77-1.62)
	<i>Hypertensive disorders of pregnancy</i>	Non-users	35 (3.9)	1.00 (Referent)	1.00 (Referent)
		Antipsychotic users	41 (4.6)	1.17 (0.75-1.84)	1.16 (0.70-1.93)
	<i>Venous thromboembolism</i>	Non-users	11 (1.2)	1.00 (Referent)	NR
		Antipsychotic users	9 (1.0)	0.82 (0.34-1.97)	NR
	Main perinatal outcomes				
	<i>Preterm birth < 37 weeks gestation</i>	Non-users	131 (14.7)	1.00 (Referent)	1.00 (Referent)
		Antipsychotic users	133 (14.9)	1.01 (0.80-1.29)	0.99 (0.77-1.27)
	<i>Small for gestational age birthweight < 3rd percentile</i>	Non-users	45 (5.1)	1.00 (Referent)	1.00 (Referent)
		Antipsychotic users	61 (6.9)	1.33 (0.91-1.96)	1.33 (0.88-2.02)
	<i>Large for gestational age birthweight > 97th percentile</i>	Non-users	20 (2.3)	1.00 (Referent)	1.00 (Referent)
		Antipsychotic users	28 (3.2)	1.47 (0.82-2.64)	0.94 (0.46-1.93)
Second trimester, 13 to 26 weeks gestation (n = 758 per exposure group)	Main maternal medical outcomes				
	<i>Gestational diabetes mellitus</i>	Non-users	52 (6.9)	1.00 (Referent)	1.00 (Referent)
		Antipsychotic users	56 (7.4)	1.08 (0.74-1.57)	1.06 (0.71-1.57)
	<i>Hypertensive disorders of pregnancy</i>	Non-users	34 (4.5)	1.00 (Referent)	1.00 (Referent)
		Antipsychotic users	36 (4.8)	1.06 (0.66-1.69)	1.03 (0.61-1.75)
	<i>Venous thromboembolism</i>	Non-users	7 (0.9)	1.00 (Referent)	NR
		Antipsychotic users	8 (1.1)	1.14 (0.42-3.15)	NR
	Main perinatal outcomes				
	<i>Preterm birth < 37 weeks gestation</i>	Non-users	101 (13.3)	1.00 (Referent)	1.00 (Referent)
		Antipsychotic users	111 (14.6)	1.10 (0.83-1.44)	1.00 (0.75-1.35)
	<i>Small for gestational age birthweight < 3rd percentile</i>	Non-users	38 (5.1)	1.00 (Referent)	1.00 (Referent)
Antipsychotic users		46 (6.2)	1.22 (0.79-1.88)	1.21 (0.74-1.96)	

Timing of exposure in pregnancy	Outcome	Medication exposure group	No. (%) with outcome	Relative risk (95% CI)	Adjusted relative risk* (95% CI)
	<i>Large for gestational age birthweight > 97th percentile</i>	Non-users	15 (2.0)	1.00 (Referent)	1.00 (Referent)
		Antipsychotic users	31 (4.1)	2.21 (1.18-4.16)	1.83 (0.89-3.77)
Third trimester, > 26 weeks gestation (n = 614 per exposure group)	Main maternal medical outcomes				
	<i>Gestational diabetes mellitus</i>	Non-users	43 (7.0)	1.00 (Referent)	1.00 (Referent)
		Antipsychotic users	47 (7.7)	1.09 (0.72-1.65)	1.04 (0.66-1.63)
	<i>Hypertensive disorders of pregnancy</i>	Non-users	30 (4.9)	1.00 (Referent)	1.00 (Referent)
		Antipsychotic users	28 (4.6)	0.93 (0.56-1.56)	0.94 (0.53-1.67)
	<i>Thromboembolic disease</i>	Non-users	6 (1.0)	1.00 (Referent)	NR
		Antipsychotic users	7 (1.1)	1.17 (0.39-3.47)	NR
	Main perinatal outcomes				
	<i>Preterm birth < 37 weeks gestation</i>	Non-users	85 (13.8)	1.00 (Referent)	1.00 (Referent)
		Antipsychotic users	74 (12.1)	0.87 (0.64-1.19)	0.83 (0.59-1.16)
	<i>Small for gestational age birthweight < 3rd percentile</i>	Non-users	28 (4.7)	1.00 (Referent)	1.00 (Referent)
		Antipsychotic users	35 (5.8)	1.25 (0.76-2.06)	1.24 (0.73-2.10)
	<i>Large for gestational age birthweight > 97th percentile</i>	Non-users	11 (1.8)	1.00 (Referent)	1.00 (Referent)
		Antipsychotic users	27 (4.4)	2.46 (1.22-4.95)	2.39 (1.00-5.75)

* Adjusted for a prescribed Selective Serotonin Reuptake Inhibitor (SSRI), non-SSRI, mood stabilizer and/or benzodiazepine medication during the index pregnancy.

NR Not reportable due to counts ≤ 5 , or due to non-convergence of the adjusted model.

Table S4. Sensitivity analyses for the secondary outcomes of congenital malformations and the neonatal adaptation syndrome in the unmatched cohort of 1209 antipsychotic users vs. 40,314 non-users, as well as in the matched cohort of 1021 antipsychotic users vs. 1021 non-users, presented by the timing of medication exposure in pregnancy.

Outcome by timing of exposure	Medication exposure group	Unmatched cohort		Matched cohort		
		No. (%) with outcome	Relative risk (95% CI)	No. (%) with outcome	Relative risk (95% CI)	Adjusted relative risk* (95% CI)
Congenital malformations						
<i>Exposure in any trimester of pregnancy</i>	Non-users	1589 (4.0)	1.00 (Referent)	40 (4.0)	1.00 (Referent)	1.00 (Referent)
	Antipsychotic users	50 (4.2)	1.05 (0.79-1.41)	44 (4.4)	1.10 (0.72-1.69)	1.19 (0.75-1.91)
<i>Exposure only in the first trimester of pregnancy</i> [†]	Non-users	1589 (4.0)	1.00 (Referent)	33 (3.8)	1.00 (Referent)	1.00 (Referent)
	Antipsychotic users	45 (4.3)	1.07 (0.80-1.44)	40 (4.5)	1.21 (0.76-1.92)	1.37 (0.82-2.29)
Neonatal adaption syndrome						
<i>Exposure in any trimester of pregnancy</i>	Non-users	858 (2.1)	1.00 (Referent)	111 (10.9)	1.00 (Referent)	1.00 (Referent)
	Antipsychotic users	161 (13.3)	7.06 (5.91-8.45)	132 (12.9)	1.19 (0.92-1.53)	1.15 (0.88-1.50)
<i>Exposure only the first or second trimester of pregnancy</i> [‡]	Non-users	858 (2.1)	1.00 (Referent)	12 (8.0)	1.00 (Referent)	1.00 (Referent)
	Antipsychotic users	21 (11.7)	5.49 (3.56-8.46)	18 (11.9)	1.50 (0.72-3.11)	1.65 (0.62-4.39)
<i>Exposure only the third trimester of pregnancy</i> [§]	Non-users	858 (2.1)	1.00 (Referent)	61 (9.9)	1.00 (Referent)	1.00 (Referent)
	Antipsychotic users	100 (13.4)	6.29 (5.11-7.74)	76 (12.4)	1.25 (0.89-1.75)	1.31 (0.91-1.90)

* Adjusted for a prescribed Selective Serotonin Reuptake Inhibitor (SSRI), non-SSRI, mood stabilizer and/or benzodiazepine medication during the index pregnancy.

[†] Exposure restricted to ≤ 12 weeks gestation. For the unmatched cohort, there are 1059 women with an antipsychotic medication exposure and 39,965 women with no antipsychotic exposure. For the matched cohort, there are 893 women with an antipsychotic medication exposure and 893 women with no antipsychotic exposure.

[‡] Exposure restricted to ≤ 26 weeks gestation. For the unmatched cohort, there are 180 women with an antipsychotic medication exposure and 40,314 women with no antipsychotic medication exposure. For the matched cohort, there are 151 women with an antipsychotic medication exposure and 151 women with no antipsychotic medication exposure.

[§] Exposure restricted to > 26 weeks gestation. For the unmatched cohort, there are 747 women with an antipsychotic medication exposure and 40,314 women with no antipsychotic medication exposure. For the matched cohort, there are 614 women with an antipsychotic medication exposure and 614 women with no antipsychotic medication exposure.

Table S5. Sensitivity analyses for the main maternal and perinatal outcomes, and for secondary outcome of congenital malformations in the matched cohort, restricting to pairs where there was no antipsychotic prescription in the 1 to 60 days prior to conception (946 antipsychotic users and 946 non-users).

Outcome	Medication exposure group	N(%) with outcome	Relative risk (95% CI)	Adjusted relative risk* (95% CI)
Main maternal medical outcomes				
<i>Gestational diabetes</i>	Non-users	59 (6.2)	1.00 (Referent)	1.00 (Referent)
	Antipsychotic users	67 (7.1)	1.14 (0.80-1.61)	1.08 (0.74-1.56)
<i>Hypertensive disorders of pregnancy</i>	Non-users	41 (4.3)	1.00 (Referent)	1.00 (Referent)
	Antipsychotic users	46 (4.9)	1.12 (0.74-1.71)	1.09 (0.68-1.76)
<i>Venous thromboembolism</i>	Non-users	12 (1.3)	1.00 (Referent)	1.00 (Referent)
	Antipsychotic users	11 (1.2)	0.92 (0.41-2.08)	0.95 (0.38-2.37)
Main perinatal outcomes				
<i>Preterm birth < 37 weeks gestation</i>	Non-users	141 (14.9)	1.00 (Referent)	1.00 (Referent)
	Antipsychotic users	141 (14.9)	1.00 (0.79-1.26)	0.98 (0.76-1.25)
<i>Small for gestational age birthweight < 3rd percentile</i>	Non-users	49 (5.3)	1.00 (Referent)	1.00 (Referent)
	Antipsychotic users	56 (6.0)	1.17 (0.79-1.72)	1.17 (0.77-1.82)
<i>Large for gestational age birthweight > 97th percentile</i>	Non-users	19 (2.1)	1.00 (Referent)	1.00 (Referent)
	Antipsychotic users	34 (3.6)	1.89 (1.02-3.34)	1.53 (0.79-2.97)
<i>Congenital Anomalies</i>	Non-users	37 (4.0)	1.00 (Referent)	1.00 (Referent)
	Antipsychotic users	42 (4.5)	1.14 (0.73-1.77)	1.26 (0.77-2.06)

* Adjusted for a prescribed Selective Serotonin Reuptake Inhibitor (SSRI), non-SSRI, mood stabilizer and/or benzodiazepine medication during the index pregnancy.