

**TABLE S1.** Association of covariates to the outcome variables under study.

Covariate associated with exposure at P<0.1	Outcome												
	Hyper-tension of pregnancy	Caesarean section	Caesarean section, emergency or urgent	Bleeding	Preterm birth	Very preterm birth	Small for gestational age	Apgar 5 min <7	Neonatal breathing problems	Persistent pulmonary hypertension of the newborn	Neonatal (intensive) care unit	In hospital at 7 days	Malformation
	<i>P</i> -value												
Maternal age	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>0.09</b>	<b>0.01</b>	<b>0.09</b>	<b>&lt;0.001</b>	0.11	0.15	0.74	<b>&lt;0.001</b>	<b>0.03</b>	0.15
Residence	0.69	<b>0.01</b>	<b>&lt;0.001</b>	0.83	<b>0.04</b>	0.77	<b>0.002</b>	0.33	0.29	0.60	0.24	<b>0.05</b>	0.64
Marital status	<b>0.02</b>	0.78	<b>0.04</b>	0.75	<b>0.07</b>	0.21	<b>0.003</b>	0.83	0.91	1.00	<b>0.002</b>	<b>0.07</b>	0.11
Parity	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>0.01</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	0.25	<b>&lt;0.001</b>	<b>&lt;0.001</b>	0.17
Smoking during pregnancy	0.25	<b>0.05</b>	<b>0.002</b>	0.90	<b>0.02</b>	<b>0.005</b>	<b>&lt;0.001</b>	0.70	0.83	<b>0.09</b>	<b>0.09</b>	<b>0.006</b>	0.68
Socio-economic status	<b>0.002</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	0.47	<b>0.08</b>	0.83	<b>0.09</b>	0.24	0.12	0.42	0.48	<b>0.02</b>	0.10
Purchases of other psychiatric drugs <sup>1</sup>	0.89	<b>&lt;0.001</b>	<b>&lt;0.001</b>	0.28	0.63	<b>0.08</b>	0.20	0.15	0.64	1.00	<b>0.007</b>	<b>0.01</b>	0.76
Pre-pregnancy diabetes	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	0.14	<b>&lt;0.001</b>	<b>0.02</b>	0.78	0.45	<b>&lt;0.001</b>	<b>0.09</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>

(Continued)

Entitlement to other chronic diseases <sup>2</sup>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>0.007</b>	0.64	<b>0.001</b>	0.16	0.15	0.17	<b>0.01</b>	0.31	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>0.07</b>
BMI (35% missing data)	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	0.57	0.22	0.46	<b>&lt;0.001</b>	<b>0.01</b>	0.14	0.44	<b>&lt;0.001</b>	<b>&lt;0.001</b>	0.56

<sup>1</sup>One or more purchases of hypnotics, anxiolytics or antiepileptic drugs

<sup>2</sup>Entitlement to other chronic diseases (including any of the following: thyroid insufficiency, post-transplantation conditions, disseminated connective tissue diseases, including rheumatoid arthritis, chronic asthma and chronic obstructive pulmonary disease, chronic hypertension, inflammatory bowel disease).

**TABLE S2.** Distribution of diagnoses recorded in the Hospital Discharge Register in mothers in the SSRI group and in the *Psychiatric diagnosis, no medication* group.

Diagnosis	SSRI group with a diagnosis N=4,811		Psychiatric diagnosis, no medication group N=9,652	
	N	%	N	%
Non-affective and undefined psychoses, N (%)	265	5.5	424	4.4
Bipolar disorder, N (%)	269	5.6	321	3.3
Depression or undefined affective disorders, N (%)	3,233	67.2	4,069	42.2
Anxiety and other emotional disorders, N (%)	2,382	49.5	6,136	63.6

Because of comorbidity, the numbers and percentages in columns exceed the total number.

Non-affective and undefined psychoses: ICD-10: F20-29; ICD-9: 295, 297, 298

Bipolar disorder: ICD-10: F30-F31; ICD-9: 2962, 2963, 2964, 2967A

Depression or undefined affective disorders: ICD-10: F32-F39; ICD-9: 2961, 2968A, 3004A

Anxiety and other emotional disorders: ICD 10: F40-F48; ICD-9: 300, excluding 3004A

**TABLE S3.** Comparisons of pregnancy and neonatal outcomes including pregnancies in women with two or more SSRI purchases (n=9,322) during pregnancy by exposure status.

Outcome	SSRI group vs. <i>Psychiatric diagnosis, no medication</i> group		SSRI group vs. <i>Unexposed</i>	
	Odds Ratio	95% Confidence Interval	Odds Ratio	95% Confidence Interval
Hypertension of pregnancy	1.16*	1.01-1.35	1.14*	1.01-1.29
Caesarean section	0.72***	0.67-0.78	1.22***	1.14-1.31
Caesarean section, emergency or urgent	0.90	0.81-1.01	1.08	0.98-1.19
Bleeding during or after delivery	0.83*	0.70-0.98	1.09	0.94-1.26
Preterm birth				
32-36 weeks	0.85*	0.73-0.98	1.08	0.94-1.23
<32 weeks	0.53**	0.35-0.80	0.80	0.55-1.19
Small for gestational age (SGA)	0.92	0.75-1.12	0.85	0.72-1.02
Apgar 5 min <7	2.14***	1.68-2.73	2.16***	1.81-2.58
Neonatal breathing problems	1.63***	1.39-1.91	1.85***	1.63-2.11
Neonatal (intensive) care unit	1.39***	1.27-1.53	1.56***	1.44-1.68
In hospital at 7 days age	0.94	0.84-1.06	1.30***	1.17-1.44
Major congenital malformation	0.98	0.85-1.14	1.14*	1.01-1.30

\* p<0.05; \*\* p<0.01; \*\*\* p<0.001.

Adjusted for sex, birth period, maternal age at delivery, place of residence, marital status, parity, smoking, socio-economic status, purchase of anxiolytics, hypnotics and sedatives (ATC N05B, N05C) or antiepileptic drugs (N03), entitlement to pre-pregnancy diabetes, and entitlement to other chronic diseases (including any of the following: thyroid insufficiency, post-transplantation conditions, disseminated connective tissue diseases, including rheumatoid arthritis, chronic asthma and chronic obstructive pulmonary disease, chronic hypertension, inflammatory bowel disease).

**FIGURE S1.** Percentage of pregnant women purchasing individual SSRIs in Finland, 1996-2010

