

Supplement 29. Results of maternal primary care outcomes in women who continued antidepressants versus those who discontinued. Sample restricted to pregnancies that could be linked with SES data, fully adjusted model includes variable measuring the IMD decile

	Multivariable regression				Propensity score matched regression	
	Crude ¹		Fully adjusted ²			
	IRR (95% CI) ³	p-value	IRR (95% CI) ³	p-value	IRR (95% CI) ³	p-value
Number of GP consultations						
During pregnancy	1.17 (1.14, 1.19)	<0.001	1.01 (0.99, 1.03)	0.215	1.07 (1.05, 1.10)	<0.001
0-6 months after pregnancy	1.13 (1.10, 1.15)	<0.001	0.98 (0.96, 1.00)	0.075	1.04 (1.01, 1.06)	0.009
6-12 months after pregnancy	1.12 (1.09, 1.15)	<0.001	0.99 (0.96, 1.02)	0.401	1.04 (1.01, 1.08)	0.005
12-18 months after pregnancy	1.11 (1.08, 1.14)	<0.001	0.97 (0.94, 1.00)	0.044	1.04 (1.01, 1.08)	0.011
18-24 months after pregnancy	1.08 (1.05, 1.11)	<0.001	0.96 (0.93, 0.99)	0.008	1.02 (0.99, 1.06)	0.179
Number of GP consultations for depression						
During pregnancy	8.09 (7.17, 9.12)	<0.001	6.08 (5.38, 6.88)	<0.001	6.26 (5.48, 7.16)	<0.001
0-6 months after pregnancy	1.48 (1.39, 1.58)	<0.001	1.27 (1.19, 1.36)	<0.001	1.32 (1.22, 1.42)	<0.001
6-12 months after pregnancy	1.31 (1.22, 1.40)	<0.001	1.15 (1.07, 1.24)	<0.001	1.22 (1.12, 1.32)	<0.001
12-18 months after pregnancy	1.36 (1.26, 1.47)	<0.001	1.19 (1.10, 1.29)	<0.001	1.27 (1.16, 1.39)	<0.001
18-24 months after pregnancy	1.30 (1.19, 1.40)	<0.001	1.13 (1.03, 1.22)	0.006	1.19 (1.08, 1.31)	<0.001
Consulted with GP for self-harm						
During pregnancy	3.53 (1.21, 10.34)	0.021	2.57 (0.88, 7.52)	0.084	n/a	
0-6 months after pregnancy	2.08 (1.09, 4.00)	0.027	1.80 (0.92, 3.54)	0.086	n/a	
6-12 months after pregnancy	2.11 (0.95, 4.68)	0.066	1.68 (0.78, 3.62)	0.183	n/a	
12-18 months after pregnancy	1.64 (0.88, 3.06)	0.119	1.56 (0.79, 3.10)	0.204	n/a	
18-24 months after pregnancy	2.99 (1.32, 6.80)	0.009	2.49 (1.15, 5.39)	0.020	n/a	
Referred by GP to secondary services for depression						
During pregnancy	4.61 (2.57, 8.27)	<0.001	4.38 (2.39, 8.03)	<0.001	4.31 (2.23, 8.33)	<0.001
0-6 months after pregnancy	1.38 (0.99, 1.91)	0.057	1.29 (0.91, 1.84)	0.156	1.25 (0.84, 1.85)	0.274
6-12 months after pregnancy	1.73 (1.16, 2.57)	0.007	1.61 (1.07, 2.41)	0.022	1.61 (1.00, 2.58)	0.049
12-18 months after pregnancy	1.31 (0.86, 1.99)	0.208	1.19 (0.75, 1.89)	0.457	1.11 (0.66, 1.85)	0.697
18-24 months after pregnancy	2.27 (1.37, 3.73)	0.001	2.17 (1.26, 3.76)	0.005	2.00 (1.12, 3.59)	0.020

Prescription status at end of follow-up	OR (95% CI) ³	p-value	OR (95% CI) ³	p-value	OR (95% CI) ³	p-value
Prescribed an antidepressant	2.75 (2.57, 2.94)	<0.001	2.33 (2.17, 2.50)	<0.001	2.38 (2.21, 2.57)	<0.001

Notes (1) Unadjusted association (2) Association adjusted for calendar year, maternal age, number of days consulted with GP in year prior to pregnancy, Charlson Comorbidity Index score at conception, past diagnosis of alcohol-related disorders, psychosis, anxiety disorders, self-harm, bipolar affective disorder, eating disorders, personality disorders, sleep disorders and neuropathic pain disorders at conception, use of medications for physical health problems, central nervous system agents, and nutritional supplements during the treatment window, smoking status at conception, any recorded severity of past depressive symptoms, region of the GP practice, concurrent use of multiple antidepressants, switching from one antidepressant to another and IMD decile. (3) Incidence risk ratio or odds ratio with 95% confidence interval. (4) Multivariable regression estimates based on n=20,290 pregnancies where an antidepressant was continued, and n=13,689 pregnancies where antidepressants were discontinued at least two months prior to conception. (5) Propensity score matched regression estimates based on n=12,046 pregnancies where an antidepressant was continued, and n=12,046 pregnancies where antidepressants were discontinued at least two months prior to conception. (6) n/a=not estimated due to small numbers