

Appendix 5 (as supplied by the authors): Risk of spontaneous abortion associated with the use of antibiotics during pregnancy, by individual drugs, using exposure to penicillins or cephalosporins as the reference category⁺⁺.

Exposure	no (%) of cases	Adjusted* OR (95% CI)	Adjusted** OR (95% CI)
Type of individual antibiotics			
Type of Cephalosporins			1.00
Cephalexin	9(0.10%)	0.96 (0.38-2.44)	
other cephalosporins	48(0.55%)	1.03(0.76-1.39)	
Combined use of ≥ 2 cephalosporins	3(0.03%)	2.17(0.65-7.20)	
Type of Penicillins		1.00	
Amoxicillin	257 (2.95%)		0.75(0.56-1.00)
Amoxicillin/ potassium clavulanate	7 (0.08%)		1.75 (0.75-4.07)
Phenoxymethylpenicilline (peni V)	74 (0.85%)		1.34 (0.93-1.94)
Otherpenicillins	117 (1.34%)		1.31(0.94-1.82)
Combined use of ≥ 2 penicillin	45 (0.52%)		1.48(0.98-2.22)
Type of Macrolides			
Azithromycin	110(1.26%)	1.91(1.53-2.39)	1.83(1.30-2.56)
Clarithromycin	111 (1.28%)	2.73 (2.16-3.44)	2.61 (1.85-3.66)
Erythromycin	29 (0.33%)	0.82 (0.56-1.19)	0.78 (0.50-1.23)
Other macrolides	7 (0.08%)	2.28 (0.99-5.23)	2.19 (0.91-5.24)
Combined use of ≥ 2 macrolides	7 (0.08%)	2.20 (0.98-4.94)	2.10 (0.90-4.92)
Type of Quinolones			
Ciprofloxacin	114(1.31%)	2.85(2.26-3.59)	2.72 (1.93-3.85)
Norfloxacin	8 (0.09%)	5.58 (2.37-13.16)	5.34 (2.19-13.02)
levofloxacin	14(0.16%)	3.81 (1.99-7.28)	3.65 (1.82-7.32)
Other quinolone	23(0.26%)	4.91 (2.99-8.06)	4.70 (2.69-8.19)
Combined use of ≥ 2 quinolones	1(0.01%)	1.07 (0.12-9.20)	1.02 (0.12-8.93)
Type of tetracyclines			
Doxycycline	36 (0.41%)	3.27 (2.22-4.82)	3.13 (1.97-4.96)
Minocycline	21(0.24%)	2.89 (1.77-4.69)	2.76 (1.60-4.76)
Other tetracyclines	9(0.10%)	2.30 (1.10-4.79)	2.20(1.01-4.77)
Combined use of ≥ 2 tetracycline	1 (0.01%)	NA	NA
Types of other antibacterials drugs			
Clindamycin	34 (0.39%)	1.48(1.02-2.14)	1.42 (0.91-2.21)
Type of Antiprotozoals drugs			
Metronidazole	53(0.61%)	1.97 (1.45-2.67)	1.88(1.27-2.80)
Type of Urinary anti-infectives			
Nitrofurantoin	39(0.45%)	0.81 (0.58-1.13)	0.77 (0.51-1.17)

Note: 95%CI, 95% confidence interval; OR, odds ratio; NA, not applicable.

^{**}Adjusted for the following variables: maternal age on the first day of gestation, maternal marital status (living alone or cohabiting), receipt of social assistance during pregnancy, education level in years (≤ 12 or > 12), and area of residence on the first day of gestation (urban or rural); maternal chronic co-morbidities assessed using physician-based diagnoses or filled prescriptions of related medications in the year before and during pregnancy until index date (chronic hypertension, depression, diabetes mellitus, asthma, epilepsy, polyarthritis rheumatoid and systemic lupus erythematosus, thyroid disorders); Uterine malformations and endometriosis assessed using physician-based diagnoses; Maternal infections assessed using physician-based diagnoses in the year before and during pregnancy until index date (urinary tract infection, respiratory tract infection, bacterial vaginosis, and sexually transmitted diseases); Other anti-infective agents assessed also in the year before and during pregnancy until index date; Use of health services in the year before pregnancy; and history of planned and spontaneous abortion.

*reference: penicillin.

** reference: cephalosporin;