Table 1: Search strategy of databases

No.	Database	Search strategy
1	PubMed	(("antibiotics" [MeSH Terms] OR "antimicrobial agents" [MeSH Terms] OR "anti-infective agents" [MeSH Terms] OR "antibacterial drugs" [All Fields] OR "broad spectrum antibiotics" [All Fields]) AND ("prenatal exposure delayed effects" [MeSH Terms] OR "maternal exposure" [All Fields] OR "intrauterine exposure" [All Fields] OR "gestational drug exposure" [All Fields]) AND ("orofacial clefts" [MeSH Terms] OR "cleft lip" [MeSH Terms] OR "cleft palate" [MeSH Terms] OR "congenital defects" [MeSH Terms] OR "birth defects" [All Fields] OR "congenital anomalies" [All Fields]) AND ("observational study" [MeSH Terms] OR "longitudinal study" [MeSH Terms] OR "retrospective study" [MeSH Terms] OR "prospective study" [MeSH Terms] OR "epidemiological research" [All Fields] OR "randomized controlled trial" [MeSH Terms] OR "RCT" [All Fields] OR "clinical trial" [MeSH Terms]))
2	Web of Science	TS=("antibiotics" OR "antimicrobial agents" OR "anti-infective agents" OR "antibacterial drugs" OR "broad spectrum antibiotics") AND TS=("prenatal exposure delayed effects" OR "maternal exposure" OR "intrauterine exposure" OR "gestational drug exposure") AND TS=("orofacial clefts" OR "cleft lip" OR "cleft palate" OR "congenital defects" OR "birth defects" OR "congenital anomalies") AND TS=("observational study" OR "longitudinal study" OR "retrospective study" OR "prospective study" OR "epidemiological research" OR "randomized controlled trial" OR "RCT" OR "clinical trial")
3	EMBASE	('antibiotic'/exp OR 'antimicrobial agent'/exp OR 'anti-infective agent'/exp OR 'antibacterial drug' OR 'broad spectrum antibiotic') AND ('prenatal exposure'/exp OR 'maternal exposure' OR 'intrauterine exposure' OR 'gestational drug exposure') AND ('orofacial cleft'/exp OR 'cleft lip'/exp OR 'cleft palate'/exp OR 'congenital defect'/exp OR 'birth defect' OR 'congenital anomaly')

		AND ('observational study'/exp OR 'longitudinal study'/exp OR 'retrospective study'/exp OR 'prospective study'/exp OR 'randomized controlled trial'/exp OR 'RCT'/exp OR 'clinical trial'/exp)
4	Scopus	(TITLE-ABS-KEY(antibiotics) OR TITLE-ABS-KEY(antimicrobial agents) OR TITLE-ABS-KEY(anti-infective agents) OR TITLE-ABS-KEY(antibacterial drugs) OR TITLE-ABS-KEY(broad spectrum antibiotics)) AND (TITLE-ABS-KEY(prenatal exposure delayed effects) OR TITLE-ABS-KEY(maternal exposure) OR TITLE-ABS-KEY(intrauterine exposure) OR TITLE-ABS-KEY(gestational drug exposure)) AND (TITLE-ABS-KEY(orofacial clefts) OR TITLE-ABS-KEY(cleft lip) OR TITLE-ABS-KEY(cleft palate) OR TITLE-ABS-KEY(congenital defects) OR TITLE-ABS-KEY(birth defects) OR TITLE-ABS-KEY(congenital anomalies)) AND (TITLE-ABS-KEY(observational study) OR TITLE-ABS-KEY(longitudinal study) OR TITLE-ABS-KEY(retrospective study) OR TITLE-ABS-KEY(prospective study) OR TITLE-ABS-KEY(randomized controlled trial) OR TITLE-ABS-KEY(RCT) OR TITLE-ABS-KEY(clinical trial))
5	PSycINFO	("antibiotics" OR "antimicrobial agents" OR "anti-infective agents" OR "antibacterial drugs" OR "broad spectrum antibiotics") AND ("prenatal exposure delayed effects" OR "maternal exposure" OR "intrauterine exposure" OR "gestational drug exposure") AND ("orofacial clefts" OR "cleft lip" OR "cleft palate" OR "congenital defects" OR "birth defects" OR "congenital anomalies") AND ("observational study" OR "longitudinal study" OR "retrospective study" OR "prospective study" OR "randomized controlled trial" OR "RCT" OR "clinical trial")
6	Cochrane Library	("antibiotics" [MeSH descriptor] OR "antimicrobial agents" OR "anti-infective agents" OR "antibacterial drugs" OR "broad spectrum antibiotics")

		AND ("prenatal exposure delayed effects" [MeSH descriptor] OR "maternal exposure" OR "intrauterine exposure" OR "gestational drug exposure") AND ("orofacial clefts" [MeSH descriptor] OR "cleft lip" OR "cleft palate" OR "congenital defects" OR "birth defects" OR "congenital anomalies") AND ("observational studies" [MeSH descriptor] OR "longitudinal studies" OR "retrospective studies" OR "prospective studies" OR "randomized controlled trial" OR "RCT" OR "clinical trial")
7	ClinicalTrials.gov	Condition: "Orofacial clefts" OR "cleft lip" OR "cleft palate" OR "congenital defects" Intervention: "antibiotics" OR "antimicrobial agents" OR "anti-infective agents" OR "antibacterial drugs" Study Type: Interventional Studies (Clinical Trials)