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Supplementary table 1. Sensitivity analysis of maternal multivitamin intake and the incidence of cleft lip and cleft palate in children with MCMC simulation for multiple imputation (N = 98787)

	No. of Events (%)			
	Total orofacial clefts	Cleft lip alone	Cleft lip with cleft palate	Cleft palate alone
	N = 234	n=69	n=113	n=52
Variables	Risk ratio (95% CI)	Risk ratio (95%	Risk ratio (95%	Risk ratio (95%
		CI)	CI)	CI)
Model 2 [†] (Adjusted)				
Multivitamin intake, reference (no)	Ref			
Before pregnancy confirmation	1.74 (1.07–2.82)*	1.94 (0.84–4.50)	2.05 (1.07–3.94)*	0.84 (0.20–3.45)
Up to 12 weeks (the first trimester)	2.05 (1.21–3.47)**	2.80 (1.21–6.50)*	1.41 (0.57–3.46)	2.46 (0.88–6.87)
After 12 weeks	1.36 (0.60–3.06)	1.50 (0.37–6.16)	0.94 (0.23–3.82)	2.08 (0.50-8.59)
Model3‡ (Adjusted)				
Multivitamin intake, reference (no)	Ref			
Before pregnancy confirmation	1.77 (1.09–2.88)*	2.21 (0.95–5.16)	2.06 (1.07–3.97)*	0.77 (0.19–3.19)
Up to 12 weeks (the first trimester)	2.11 (1.24–3.58)**	3.35 (1.43–7.90)**	1.40 (0.57–3.47)	2.26 (0.80–6.37)
After 12 weeks	1.38 (0.61–3.13)	1.77 (0.43–7.33)	0.93 (0.23–3.79)	1.89 (0.45–7.85)

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†Adjusted for the mother's age and body mass index at pregnancy, smoking and alcohol consumption during pregnancy, pre-gestational diabetes, retinol intake based on FFQ (food frequency questionnaire), and maternal education.

‡Adjusted for the mother's age and body mass index at pregnancy, smoking and alcohol consumption during pregnancy, pre-gestational diabetes, retinol intake based on FFQ, maternal education, folic acid intake during pregnancy, and anti-rheumatic or antiepileptic or psychotropic drug intake during pregnancy.

p < 0.05, p < 0.01.