Table 4 Association of preconception intake of folic acid with selected demographic and obstetric characteristics

Variable	Bivariate analysis		Multivariable analysis	
	OR (95%CI)	P-value	OR(95%CI)	P-value
Age (years)				
< 18[a]				
18-	1.7 (0.57–4.88)	0.345	0.84 (0.23–3.07)	0.789
31-	1.4 (0.47–4.1)	0.552	0.87 (0.46–1.65)	0.676
≥ 41	1.0 (0.31–3.29)	0.987	0.88 (0.47–1.67)	0.706
Residence				
Rural[a]				
Urban	2.1 (1.58–2.67)	< 0.001	1.80 (1.35–2.40)	< 0.001
Education				
Illiterate[a]				
Primary	0.91 (0.63–1.32)	0.630	1.02 (0.69–1.51)	0.917
Secondary	1.02 (0.71–1.46)	0.906	1.04 (0.71–1.52)	0.842
Higher secondary	0.95 (0.63–1.43)	0.792	0.99 (0.64–1.54)	0.967
University and above	1.96 (1.162–3.30)	0.012	1.70 (0.98–2.97)	0.059
Occupation				
Employee[a]				
Housewife	0.96 (0.49–1.88)	0.899	1.15 (0.21–6.34)	0.194
Self-employed business woman	2.10 (0.54–8.21)	0.282	1.10 (0.55–2.18)	0.747
Labourer	1.10 (0.91–2.33)	0.114	0.55 (0.11–2.70)	0.462
Parity				
0[a]				
1-	1.12 (0.80–1.58)	0.495	1.23 (0.85–1.76)	0.27
≥5	0.523 (0.37–0.75)	< 0.001	0.67 (0.45–1.05)	0.08
Prior abortion				
Yes[a]				
No	0.76 (0.57–1.00)	0.051	1.42 (1.05–1.92)	0.022
Antenatal care (at least one visit)				
No[a]				
Yes	1.90 (1.23–3.02)	0.004	1.45 (0.87–2.4)	0.154
Antenatal care entry				
Not used[a]				
1st trimester	1.80 (1.18–2.73)	0.006	1.70 (1.07–2.73)	0.024
2nd trimester	0.66 (0.40–1.07)	0.091	0.70 (0.41–1.20)	0.194
3rd trimester	0.98 (0.56–1.73)	0.950	0.90 (0.49–1.66)	0.747
Booking				
No[a]				
Yes	2.20 (1.67–2.98)	< 0.001	1.60 (1.16–2.25)	0.005

[a]Reference category.
OR = odds ratio; CI = confidence interval.