Table 5 Linear binomial regression model for the relationship between anaemia and selected variables among Palestinian adolescents in Ramallah and Hebron governorates (*n* = 1942)

Variable	Boys				Girls			
	Model 1[a]		Model 2[b]		Model 1[a]		Model 2[b]	
	Coefficient	95% CI	Coefficient	95% CI	Coefficient	95% CI	Coefficient	95% CI
Constant	0.144*	0.025 to 0.262	0.143*	0.021 to 0.265	0.014	−0.066 to 0.093	0.032	−0.058 to 0.122
Region								
Ramallah	0		–	–	0		–	–
Hebron	0.147***	0.085 to 0.210	–	–	−0.004	−0.054 to 0.046	–	–
Residence								
Urban	0		–	–	0		–	–
Rural	0.041	−0.032 to 0.113	–	–	−0.004	−0.054 to 0.047	–	–
Age (years)								
13.0–13.9	0		–	–	0		–	–
14.0–14.9	−0.086*	−0.161 to −0.012	–	–	0.003	−0.052 to 0.059	–	–
15.0–16.0	−0.069	−0.157 to 0.019	–	–	0.016	−0.050 to 0.082	–	–
Mother's education								
Low	0		–	–	0		–	–
Medium	−0.051	−0.175 to 0.072	–	–	−0.023	−0.076 to 0.030	–	–
High	−0.005	−0.107 to 0.098	–	–	−0.014	−0.088 to 0.060	–	–
Father's education								
Low	0		–	–	0		–	–
Medium	0.022	−0.081 to 0.125	–	–	0.059*	0.012 to 0.107	–	–

	Coefficient[a]	95% CI	Coefficient[b]	95% CI	Coefficient[a]	95% CI	Coefficient[b]	95% CI
High	–0.040	–0.129 to 0.050	–	–	0.067*	0.002 to 0.132	–	–
Family size								
1–6 persons	0		–	–	0		–	–
7–8 persons	0.051	–0.027 to 0.130	–	–	0.023	–0.031 to 0.077	–	–
> 8 persons	0.069	–0.001 to 0.139	–	–	0.036	–0.015 to 0.086	–	–
Household standard of living								
Low	0		–	–	0		–	–
Medium	–0.035	–0.102 to 0.032	–	–	0.029	–0.009 to 0.067	–	–
High	–0.090*	–0.166 to –0.015	–	–	–0.006	–0.065 to 0.053	–	–
Onset of puberty								
No	0		–	–	0		–	–
Yes	–0.028	–0.096 to 0.039	–	–	0.025	–0.026 to 0.077	–	–
Food and tea scores								
Animal foods	–	–	–0.021	–0.046 to 0.005	–	–	–0.009	–0.027 to 0.010
Legumes	–	–	0.005	–0.013 to 0.023	–	–	–0.011	–0.024 to 0.002
Green leafy vegetables	–	–	–0.007	–0.032 to 0.017	–	–	0.008	–0.009 to 0.025
Bread	–	–	0.031	–0.004 to 0.067	–	–	0.005	–0.011 to 0.021
Tea	–	–	0.002	–0.001 to 0.004	–	–	0.000	–0.001 to 0.002

[a]Adjusted for sociodemographic variables.
[b]Adjusted for sociodemographic and nutritional variables.
[c]Household standard of living index was based on the possession of 16 household amenities, each item given a value of 1.
*$P < 0.05$; **$P < 0.01$; ***$P < 0.001$.
CI = confidence interval.