

Table 3: Multinomial logistic regression of child overweight and obesity status in imputed data set

Independent variables	Dependent variable = obesity status of students (normal weight is the reference group)					
	Model I		Model II		Model III	
	overweight	obese	overweight	obese	overweight	obese
	OR	OR	OR	OR	OR	OR
Socio-economic status						
Lower SES	1.0	1.0	1.0	1.0	1.0	1.0
Medium SES	1.05 (0.82-1.33)	1.19 (0.91-1.56)	1.05 (0.81-1.36)	1.02 (0.76-1.37)	1.05 (0.81-1.36)	0.95 (0.70-1.28)
Higher SES	1.39* (0.99-1.95)	1.56** (1.07-2.29)	1.44* (0.97-2.14)	1.14 (0.72-1.79)	1.43* (0.96-2.12)	1.06 (0.67-1.68)
Gender of Students						
Girls	-	-	-	-	1.0	1.0
Boys	-	-	-	-	0.95 (0.76-1.20)	1.96*** (1.51-2.54)
Educational status (mothers)					125	
Primary or less	-	-	1.0	1.0	1.0	1.0
Secondary (lower)	-	-	1.61*** (1.13-2.29)	2.02*** (1.30-3.09)	1.67*** (1.17-2.40)	2.10*** (1.35-3.28)
Secondary (upper)	-	-	1.695*** (1.28-2.25)	2.09*** (1.48-2.95)	1.81*** (1.35-2.42)	2.25*** (1.56-3.24)
Tertiary	-	-	1.04 (0.73-1.50)	2.07*** (1.34-3.20)	1.167 (0.77-1.76)	1.87*** (1.09-3.21)
Employment status –paid job (mothers)					79	
Not employed	-	-	-	-	1.0	1.0
Employed	-	-	-	-	0.93 (0.69-1.25)	1.56** (1.10-2.22)
Parental obesity status					95	
Both non-overweight/obese	-	-	-	-	1.0	1.0
Only father overweight/obese	-	-	-	-	1.44* (0.97-2.15)	1.94*** (1.18-3.18)
Only mother overweight/obese	-	-	-	-	1.36 (0.81-2.30)	2.07** (1.13-3.79)
Both overweight/obese	-	-	-	-	2.05*** (1.39-3.02)	3.80*** (2.30-6.28)
Intercept (beta)	-1.14***	-1.52***	-1.36***	-1.90***	-1.81***	-3.25***
Pseudo R Square	0.007		0.022		0.084	

*P < 0.10, **P < 0.05, ***P < 0.01 Variables related to educational and employment status of fathers were removed from the models to avoid multicollinearity problem.