

Table 3 Multiple logistic regression analysis for association between risk factors and having had DM

Parameter	Multiple logistic regression		
	OR (95% CI)	β coefficient	P value
Age	1.05 (1.03–1.08)	20.66	< 0.001
BMI	1.04 (0.98–1.09)	1.88	0.170
Gender			
Female	0.90 (0.53–1.54)	0.136	0.712
Male	1		
Residence			
Urban	2.06 (1.26–3.37)	7.10	0.004
Rural ^a	1		
Uncontrolled HTN			
Yes	0.54 (0.25–1.14)	2.62	0.105
No ^a	1		
Raised TC >200 mg/dl			
Yes	1.33 (0.82–2.16)	1.37	0.242
No ^a	1		
Positive family history of T2DM			
Yes	2.56 (1.52–4.31)	12.48	< 0.001
No ^a	1		
Controlled HTN			
Yes	1.87 (0.99–3.54)	3.70	0.054
No ^a	1		
Current smoking			
Yes	2.05 (1.06–3.96)	4.51	0.034
No ^a	1		

^aReference category.

The Hosmer–Lemeshow goodness-of-fit test: $\chi^2 = 14.17$, degrees of freedom = 8, significance = 0.077.

BMI = body mass index; CI = confidence interval; T2DM = Type 2 diabetes mellitus; HTN = hypertension; OR = odds ratio; TC = total cholesterol.