

Factors associated with shisha smoking

Variables N=1,278	Current Shisha Smoking	
	Adjusted odd ratio [95% Confidence Interval]	p-value
Age in single years	0.92 (0.89 – 0.95)	0
Gender		
Female	RC (Reference)	
Male	0.92 (0.56 – 1.52)	0.728
Place of residence: n (%)		
Rural	RC (Reference)	
Urban	1.26 (0.62 – 2.54)	0.484
Highest level of education: n (%)		
No education	RC (Reference)	
Primary School or Less	0.47 (0.15 – 1.50)	0.176
Secondary/Post-Secondary	0.54 (0.17 - 1.65)	0.245
Religion: n (%)		
Christianity	RC (Reference)	
Islam	0.99 (0.67 – 1.47)	0.978
Traditional/None	0.75 (0.17 – 3.33)	0.673
Wealth Index		
Poorest	RC (Reference)	
Poorer	0.82 (0.49 – 1.36)	0.397
Middle	0.71 (0.34 – 1.49)	0.331
Richer	0.41 (0.18 – 0.97)	0.043
Richest	0.49 (0.15 – 1.57)	0.2
Work status:		
Currently unemployed	RC (Reference)	
Currently employed	1.72 (0.78 – 3.81)	0.157
Student	2.21 (1.38 – 3.53)	0.004
Apprentice	1.45 (0.45 – 4.68)	0.5
Currently smoking cigarettes		
No	RC (Reference)	
Yes	5.54 (2.57 – 11.90)	0.001
Currently consuming alcohol		
No	RC (Reference)	
Yes	3.46 (1.91 – 6.28)	0.001
Shisha smoking by other family members		
No	RC (Reference)	
Yes	2.32 (1.23 – 4.40)	0.015
Number of shisha smokers among closest friends		
0	RC (Reference)	
1	22.81 (9.99 – 52.06)	0
2+	78.85 (22.50 – 276.33)	0
Don't know	2.80 (0.32 – 24.38)	0.315
PSS-4	0.89 (0.78 – 1.01)	0.072
PHQ-2		
Negative	RC (Reference)	
Positive	0.79 (0.52 – 1.21)	0.244
GAD-2		
Negative	RC (Reference)	
Positive	0.60 (0.41 – 0.88)	0.014
aOR= Adjusted odd ratio; VIF=1.65; PSS-4= Perceived Stress Score-4; PHQ-2 = Patient Health Questionnaire-2; GAD-2 = General Anxiety Disorders-2.		