

Table 2 Multivariable analyses comparing associations among current waterpipe and cigarette smokers<sup>a</sup>

Participant characteristic	AOR (95% CI) for waterpipe tobacco smoking b		AOR (95% CI) for cigarette smoking b	
	Current use	Ever use	Current use	Ever use
<b>College</b>				
Basic sciences	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)
Medical sciences	0.57 (0.28–1.14)	0.61 (0.31–1.19)	1.16 (0.70–1.94)	0.89 (0.54–1.45)
Engineering	0.39 (0.19–0.81)	0.40 (0.20–0.80)	0.63 (0.37–1.09)	0.66 (0.40–1.09)
Humanities	0.67 (0.29–1.11)	0.57 (0.30–1.07)	0.76 (0.46–1.27)	0.67 (0.41–1.08)
<b>Year</b>				
1	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)
2	1.23 (0.44–3.42)	0.97 (0.38–2.48)	0.40 (0.19–0.84)	0.45 (0.23–0.89)
3	1.32 (0.46–3.75)	1.08 (0.43–2.70)	0.43 (0.20–0.91)	0.52 (0.26–1.03)
4	1.55 (0.50–4.79)	0.62 (0.23–1.71)	0.24 (0.11–0.54)	0.25 (0.12–0.54)
5	0.71 (0.23–2.25)	0.44 (0.16–1.21)	0.25 (0.11–0.58)	0.24 (0.11–0.54)
6	8.88 (1.78–44.26)	29.98 (5.47–64.23)	0.64 (0.17–2.33)	4.05 (1.11–14.76)
<b>Age, years</b>				
18–21	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)
22	1.39 (0.55–3.48)	1.27 (0.54–3.01)	2.19 (1.08–4.45)	1.80 (0.95–3.41)
23	1.66 (0.62–4.48)	2.31 (0.92–5.79)	3.67 (1.73–7.78)	3.34 (1.68–6.61)
24	1.61 (0.57–4.56)	2.45 (0.92–6.53)	4.46 (2.01–9.87)	4.06 (1.96–8.43)
25	1.56 (0.53–4.61)	2.73 (1.00–7.50)	2.93 (1.26–6.82)	3.09 (1.42–6.72)
≥ 26	0.84 (0.27–2.62)	1.83 (0.65–5.15)	1.89 (0.78–4.57)	3.13 (1.42–6.93)
<b>Sex</b>				
Male	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)
Female	1.09 (0.54–2.19)	0.88 (0.45–1.70)	0.38 (0.22–0.67)	0.75 (0.50–1.13)
<b>Paternal education</b>				
Did not complete high school	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)
Completed high school	0.95 (0.48–1.86)	0.75 (0.40–1.44)	0.98 (0.60–1.61)	0.66 (0.41–1.05)
Completed college or higher	0.51 (0.25–1.06)	0.75 (0.38–1.50)	0.61 (0.36–1.03)	0.56 (0.34–0.91)
<b>Monthly household income, SAR<sup>c</sup></b>				
0–5000	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)
5001–9000	0.40 (0.20–0.81)	0.73 (0.38–1.39)	0.77 (0.46–1.29)	0.82 (0.51–1.33)
≥ 9001	1.83 (0.87–3.84)	1.95 (0.96–3.98)	2.12 (1.20–3.75)	2.30 (1.34–3.96)
<b>No. of others living in the home</b>				
0–4	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)
5–6	2.53 (1.44–4.44)	2.84 (1.67–4.81)	1.02 (0.68–1.55)	1.14 (0.77–1.69)
7 or more	3.49 (1.98–6.14)	4.46 (2.62–7.59)	1.27 (0.84–1.92)	1.38 (0.94–2.04)
<b>Pocket money spent monthly, SAR<sup>c</sup></b>				
0–500	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)
501–1000	2.44 (1.10–5.40)	4.76 (2.27–10.02)	2.08 (1.17–3.70)	3.29 (1.93–5.61)
1001–2000	10.40 (4.87–22.18)	9.23 (4.44–19.16)	5.01 (2.82–8.90)	4.73 (2.74–8.17)
≥ 2001	4.69 (1.99–11.05)	3.73 (1.64–8.47)	2.41 (1.25–4.65)	2.12 (1.14–3.94)
<b>Urban living</b>				
City	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)
Village	1.42 (0.48–4.23)	1.15 (0.39–3.37)	1.11 (0.51–2.44)	1.27 (0.59–2.72)
<b>Living arrangement</b>				
With parents	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)	1.0 (Ref)
Other	2.85 (1.17–6.93)	3.40 (1.38–8.36)	2.11 (1.08–4.11)	1.82 (1.05–3.48)

*Bold values are significant.*

<sup>a</sup>Values may not add up to 100 due to rounding.

<sup>b</sup>Multivariable analyses controlled for all variables in the table and were adjusted for clustering of individuals within institutions.

<sup>c</sup>SAR 1 = US\$ 0.37.