

Table 3 Sociodemographic characteristics by sex and current waterpipe use in the survey respondents

Variable	Current waterpipe use in females					Current waterpipe use in males				
	No		Yes		Crude OR (95% CI)	No		Yes		Crude OR (95% CI)
	No.	%	No.	%		No.	%	No.	%	
Age (years)										
15	20	20.4	19	14.6	1 (ref.)	20	22.5	13	6.3	1 (ref.)
16	21	21.4	21	16.2	2.28 (1.03–5.04)*	15	16.9	39	18.9	4.00 (1.60–10.0)**
17	33	33.7	38	29.2	1.21 (0.55–2.65)	20	22.5	52	25.2	4.00 (1.68–9.53)**
18	24	24.5	52	40.0	1.05 (0.44–2.52)	34	38.2	102	49.5	4.62 (2.08–10.3)**
Educational status										
Student	96	99.0	116	92.8	1 (ref.)	85	96.2	171	83.7	1 (ref.)
Dropout	1	1.0	9	7.2	7.45 (0.93–9.84)	3	3.4	33	16.2	5.47 (1.63–8.37)**
School type										
Public	72	75.0	72	64.9	1 (ref.)	49	58.3	103	60.2	1 (ref.)
Private	24	25.0	39	35.1	2.50 (1.12–5.58)*	35	41.7	68	39.8	1.08 (0.57–2.04)
Educational success										
Yes	84	88.4	99	79.8	1 (ref.)	69	82.1	115	60.2	1 (ref.)
No	11	11.6	25	20.2	1.93 (0.90–4.15)	15	17.9	76	39.8	3.04 (1.62–5.70)**
Interest in education										
Yes	67	69.8	85	72.6	1 (ref.)	56	68.3	91	54.8	1 (ref.)
No	29	30.2	32	27.4	1.93 (0.90–4.15)	26	31.8	75	45.1	1.73 (0.96–3.13)
Social class										
Upper	0	0.0	2	1.6	1 (ref.)	1	1.1	3	1.5	1 (ref.)
Middle	79	81.4	97	77.6	0 (0)	59	67.8	140	69.7	0.79 (0.08–7.60)
Working	16	16.5	20	16.0	0 (0)	21	24.1	41	20.4	0.65 (0.06–6.65)
Lower	2	2.1	6	4.8	0 (0)	6	6.8	17	8.5	0.67 (0.05–8.16)
Wealth index										
Richest	16	16.7	17	13.6	1 (ref.)	19	22.9	34	17.8	1 (ref.)
Rich	21	21.9	23	18.4	1.45 (0.62–3.41)	10	12.0	25	13.1	1.40 (0.56–3.52)
Intermediate	15	15.6	13	10.4	1.65 (0.69–3.96)	9	10.8	33	17.3	2.05 (0.81–5.18)
Poor	20	20.8	35	28.0	0.82 (0.30–2.24)	22	26.5	44	23.0	1.12 (0.52–2.39)
Poorest	24	25.0	37	29.6	1.03 (0.42–2.54)	23	27.7	55	28.8	1.34 (0.64–2.81)
Adequacy of family income										
Inadequate	9	9.5	12	9.8	1 (ref.)	15	17.6	32	17.1	1 (ref.)
Approximately adequate	64	67.4	73	59.3	0.86 (0.34–2.16)	43	50.6	101	54.0	1.10 (0.54–2.24)
Adequate	22	23.2	38	30.9	1.29 (0.47–3.56)	27	31.8	54	28.9	0.94 (0.44–2.02)
Father's educational level										
High school	39	39.8	36	28.6	1 (ref.)	38	44.8	99	48.5	1 (ref.)
University	29	29.6	37	29.4	1.75 (0.00–2.02)	24	28.2	50	24.5	0.77 (0.42–1.42)
Secondary	16	16.3	28	22.2	1.55 (0.68–3.53)	10	11.8	28	13.7	1.04 (0.46–2.35)
Primary	14	14.3	20	15.9	1.90 (0.88–4.09)	10	11.8	16	7.8	0.59 (0.25–1.43)
Illiterate	0	0.0	5	4.0	1.38 (0.71–2.70)	3	3.5	11	5.4	1.36 (0.36–5.16)

Table 3 Sociodemographic characteristics by sex and current waterpipe use in the survey respondents (concluded)

Variable	Current waterpipe use in females					Current waterpipe use in males				
	No		Yes		Crude OR (95% CI)	No		Yes		Crude OR (95% CI)
	No.	%	No.	%		No.	%	No.	%	
Mother's educational level										
High school	40	41.2	49	38.9	1 (ref.)	38	43.1	90	44.1	1 (ref.)
University	28	28.9	23	18.3	1.35 (0.00–1.91)	20	22.7	40	19.6	0.84 (0.44–1.63)
Secondary	20	20.6	25	19.8	1.94 (0.80–4.72)	10	11.4	38	18.6	1.60 (0.72–3.54)
Primary	9	9.3	21	16.7	1.04 (0.51–2.14)	15	17.0	20	9.8	0.56 (0.26–1.21)
Illiterate	0	0.0	8	6.3	0.69 (0.34–1.37)	5	5.7	16	7.8	1.34 (0.46–3.94)
Family decision-making pattern										
Father and mother	52	54.2	53	44.2	1 (ref.)	34	39.5	92	45.8	1 (ref.)
Entire family	23	24.0	23	19.2	2.45 (0.46–3.21)	17	19.8	36	17.9	0.68 (0.23–1.98)
Other people	2	2.1	5	4.2	0.98 (0.49–1.96)	6	7.0	11	5.5	0.78 (0.39–1.57)
Mother	7	7.3	14	11.7	1.96 (0.73–5.25)	4	4.7	7	3.5	0.65 (0.18–2.35)
Father	12	12.5	25	20.8	2.04 (0.93–4.49)	25	29.1	55	27.4	0.81 (0.44–1.50)
Parental control										
Intermediate	40	41.7	63	50.4	1 (ref.)	35	40.2	71	35.0	1 (ref.)
High	50	52.1	52	41.6	1.06 (0.36–3.14)	11	12.6	11	5.4	0.49 (0.20–1.25)
Low	6	6.2	10	8.0	0.66 (0.38–1.15)	41	47.1	120	59.4	1.28 (0.67–2.47)
Parental supervision										
Intermediate	45	46.4	51	41.5	1 (ref.)	32	36.4	65	31.9	1 (ref.)
Very high	3	3.1	7	5.7	1.12 (0.51–2.46)	11	12.5	13	6.4	0.58 (0.24–1.44)
High	18	18.6	20	16.3	1.43 (0.68–3.01)	22	25.0	39	19.1	0.87 (0.45–1.71)
Low	16	16.5	26	21.1	0.98 (0.46–2.08)	12	13.6	59	28.9	2.42 (1.14–5.13)*
Very low	15	15.5	19	15.4	2.06 (0.50–8.44)	11	12.5	28	13.7	1.25 (0.55–2.83)
Parents' use of punishment^a										
No	65	66.3	80	64.0	1 (ref.)	54	62.1	124	61.4	1 (ref.)
Yes	33	33.7	45	36.0	0.90 (0.52–1.57)	33	37.9	78	38.6	0.97 (0.58–1.63)
Parents prefer sons to daughters										
No	76	78.4	93	76.2	1 (ref.)	54	65.9	118	60.8	1 (ref.)
Yes	21	21.6	29	23.8	1.13 (0.60–2.14)	28	34.1	76	39.2	1.24 (0.72–2.13)
History of consultation										
No	61	65.6	79	65.3	1 (ref.)	56	68.3	132	67.0	1 (ref.)
Yes	32	34.4	42	34.7	0.99 (0.56–1.74)	26	31.7	65	33.0	0.94 (0.54–1.64)
Having waterpipeuser(s) among family										
No	56	58.3	40	30.8	1 (ref.)	66	75.9	113	55.1	1 (ref.)
Yes	40	41.7	90	69.2	3.15 (1.82–5.46)**	21	24.1	92	44.9	2.56 (1.46–4.49)**
Having waterpipeuser (s) among friends										
No	37	38.5	32	25.0	1 (ref.)	29	33.3	26	12.7	1 (ref.)
Yes	59	61.5	96	75.0	1.88 (1.06–3.34)**	58	66.7	179	87.3	3.44 (1.88–6.31)***

*P ≤ 0.05; **P ≤ 0.01; ***P ≤ 0.001.

^aThe most common type of punishment used by the parents was verbal punishment.

Missing data were excluded.

OR = odds ratio; CI = confidence interval.