

Table 2 Sociodemographic characteristics by sex and lifetime waterpipe use in the survey respondents

Variable	Lifetime waterpipe use in females					Lifetime waterpipe use in males				
	No		Yes		Crude OR (95% CI)	No		Yes		Crude OR (95% CI)
	No.	%	No.	%		No.	%	No.	%	
Age (years)										
15	68	18.6	39	16.7	1	101	35.3	35	11.6	1
16	84	23.0	44	18.9	0.91 (0.53–1.65)	75	26.2	54	17.9	2.08 (1.24–3.49)**
17	100	27.3	72	30.9	1.26 (0.76–2.06)	60	21.0	74	24.5	3.56 (2.13–5.95)**
18	114	31.1	78	33.5	1.19 (0.73–1.94)	50	17.5	139	46.0	8.02 (4.86–13.3)**
Educational status										
Student	331	91.9	214	94.7	1	267	94.3	263	88.0	1
Dropout	29	8.1	12	5.3	0.71 (0.35–1.45)	16	5.7	36	12.0	2.44 (1.30–4.56)**
School type										
Public	237	72.9	145	69.0	1	135	51.7	155	59.4	1
Private	88	27.1	65	31.0	1.08 (0.68–1.72)	126	48.3	106	40.6	0.71 (0.47–1.06)
Educational success										
Yes	253	75.3	184	82.9	1	244	84.2	188	67.4	1
No	83	24.7	38	17.1	0.63 (0.41–0.97)*	42	15.8	91	32.6	2.58 (1.71–3.91)**
Interest in education										
Yes	223	69.5	154	71.6	1	214	81.7	150	59.3	1
No	98	30.5	61	28.4	1.21 (0.98–2.45)	48	18.3	113	40.7	2.73 (1.80–4.14)**
Social class										
Upper	2	0.6	2	0.9	1	0	0.0	4	1.4	1
Middle	234	65.9	180	79.3	0.77 (0.11–5.51)	193	68.9	204	69.4	0.34 (0.06–1.93)
Working	94	26.5	37	16.3	0.39 (0.50–2.90)	74	26.4	63	21.4	0.21 (0.04–1.04)
Lower	25	7.0	8	3.5	0.27 (0.03–2.36)	13	4.6	23	7.8	0.26 (0.06–1.26)
Wealth index										
Richest	81	22.9	34	15.1	1	60	21.2	55	19.7	1
Rich	83	23.4	44	19.6	1.26 (1.83–2.17)	53	18.7	36	12.9	0.74 (0.42–1.30)
Intermediate	45	12.7	28	12.4	1.48 (0.80–2.75)	37	13.1	42	15.1	1.24 (0.70–2.20)
Poor	70	19.8	55	24.4	1.87 (1.10–3.19)*	56	19.8	66	23.7	1.29 (0.77–2.14)
Poorest	75	21.2	64	28.4	2.03 (1.21–3.42)**	77	27.2	80	28.7	1.13 (0.70–1.83)
Adequacy of family income										
Inadequate	40	11.9	20	9.0	1	24	9.4	47	16.8	1
Approximately adequate	211	62.8	142	64.0	0.95 (0.64–1.41)	156	60.9	151	54.8	0.91 (0.62–1.33)
Adequate	85	25.3	60	27.0	0.71 (0.38–1.33)	76	29.7	81	29.0	1.84 (1.03–3.29)*
Father's educational level										
High school	131	36.6	75	32.9	1	118	42.0	140	47.3	1
University	80	22.3	69	30.1	1.54 (0.99–2.36)	94	33.5	76	25.7	0.69 (0.47–1.02)
Secondary	74	20.7	45	19.7	1.08 (0.68–1.73)	44	15.7	39	13.2	0.76 (0.46–1.24)
Primary	57	15.9	35	15.3	1.09 (0.66–1.82)	17	6.0	27	9.1	1.35 (0.70–2.61)
Illiterate	16	4.5	5	2.2	0.56 (0.20–1.58)	8	2.8	14	4.7	1.49 (0.60–3.68)
Mother's educational level										
High school	132	37.0	90	39.3	1	111	39.8	132	44.1	1
University	65	18.2	53	23.1	1.20 (0.76–1.89)	68	24.4	63	21.1	0.62 (0.14–2.84)
Secondary	72	20.2	46	20.1	0.94 (0.60–1.49)	55	19.7	48	16.1	0.77 (0.50–1.18)
Primary	63	17.6	32	14.0	0.75 (0.45–1.24)	25	9.0	35	11.7	0.72 (0.46–1.15)
Illiterate	25	7.0	8	3.5	0.47 (0.20–1.09)	20	7.2	21	7.0	1.16 (0.65–2.06)

Table 2 Sociodemographic characteristics by sex and lifetime waterpipe use in the survey respondents (concluded)

Variable	Lifetime waterpipe use in females					Lifetime waterpipe use in males				
	No		Yes		Crude OR (95% CI)	No		Yes		Crude OR (95% CI)
	No.	%	No.	%		No.	%	No.	%	
<b>Family decision-making pattern</b>										
Father & mother	170	47.5	107	48.4	1	144	51.6	127	43.3	1
Entire family	72	20.1	45	20.4	0.70 (0.28–1.75)	50	17.9	55	18.8	2.41 (1.01–5.77)*
Other people	16	4.5	7	3.2	0.99 (0.64–1.55)	8	2.9	17	5.8	1.25 (0.79–1.96)
Mother	21	5.9	24	10.9	1.82 (0.96–3.42)	12	4.3	11	3.8	1.04 (0.44–2.44)
Father	79	22.1	38	17.2	0.76 (0.48–1.21)	65	23.3	83	28.3	1.45 (0.97–2.17)
<b>Parental control</b>										
Intermediate	107	29.9	108	47.8	1	151	53.4	106	35.9	1
High	230	64.2	101	44.7	0.64 (0.31–0.64)**	69	24.4	25	8.5	0.52 (0.31–0.87)*
Low	21	5.9	17	7.5	0.99 (0.34–2.92)	63	22.3	164	55.6	2.85 (1.79–4.54)**
<b>Parental supervision</b>										
Intermediate	162	45.1	99	44.0	1	122	43.4	99	33.1	1
Very high	37	10.3	11	4.9	0.49 (0.24–0.99)*	30	10.7	26	8.7	1.07 (0.59–1.92)
High	73	20.3	38	16.9	0.85 (0.54–1.36)	80	28.5	62	20.7	0.96 (0.63–1.46)
Low	59	16.4	43	19.1	1.19 (0.75–1.90)	32	11.4	71	23.7	2.73 (1.67–4.48)**
Very low	28	7.8	34	15.1	1.99 (1.14–3.48)*	17	6.0	41	13.7	2.97 (1.59–5.55)**
<b>Parents' use of punishment<sup>a</sup></b>										
No	275	77.2	146	64.3	1	165	58.9	183	61.8	1
Yes	81	22.8	81	35.7	0.53 (0.37–0.77)**	115	41.1	113	38.2	1.13 (0.81–1.58)
<b>Parents prefer sons to daughters</b>										
No	28	80.1	174	77.3	1	181	66.1	176	62.4	1
Yes	70	19.9	51	22.7	1.18 (0.78–1.77)	93	33.9	106	37.6	1.17 (0.83–1.66)
<b>History of consultation<sup>b</sup></b>										
No	246	71.9	145	65.9	1	166	59.7	192	67.4	1
Yes	96	28.1	75	34.1	0.75 (0.52–1.09)	112	40.3	93	32.6	1.39 (0.99–1.97)
<b>Having waterpipe user (s) among family</b>										
No	255	70.8	95	41.1	1	242	87.1	181	60.5	1
Yes	105	29.2	136	58.9	3.48 (2.46–4.92)**	36	12.9	118	39.5	4.38 (2.88–6.67)**
<b>Having waterpipe user (s) among friends</b>										
No	231	63.8	69	30.1	1	149	52.7	58	19.4	1
Yes	131	36.2	160	69.9	4.09 (2.87–5.38)**	134	47.3	241	80.6	4.62 (3.19–6.69)**

\*P ≤ 0.05; \*\*P ≤ 0.01; \*\*\*P ≤ 0.001.

<sup>a</sup>The most common type of punishment used by the parents was verbal punishment; <sup>b</sup>Having consultation with a teacher or another adult about risk behaviours. Missing data were excluded.

OR = odds ratio; CI = confidence interval.