

Table 6 Multivariate analysis for water pipe (WP) smoking and respiratory diseases and symptoms in Lebanon

Variable	OR _a	95% CI	P-value
WP smoking			
Older age	0.98	0.96–0.99	0.016
Working	3.83	1.67–8.77	0.002
City residence	NR		
Marital status	NR		
Smokers at home	1.90	1.54–2.34	< 0.001
Smokers at work	NR		
Cigarette smoking	1.72	1.04–2.78	0.03
Low education	2.69	1.09–6.62	0.03
Physician diagnosed respiratory disease			
WP smoking	1.95	0.99–4.05	0.05
Older age	NR		
Working	NR		
City residence	NR		
Unmarried status	0.12	0.02–0.74	0.02
Smokers at home	1.37	1.06–1.76	0.02
Smokers at work	NR		
Cigarette smoking	1.14	0.41–2.28	0.71
Low education	NR		
Reported chronic bronchitis			
WP smoking	1.89	1.16–3.07	0.01
Older age	1.02	1.00–1.03	0.04
Never worked	NR		
Village residence	0.19	0.06–0.62	0.006
Marital status	NR		
Smokers at home	NR		
Smokers at work	NR		
Cigarette smoking	2.62	1.61–4.26	< 0.001
Low education	2.51	1.09–5.74	0.03
Intermediate education	1.87	1.11–3.18	0.02
Mucolytic use for chronic expectoration			
WP smoking	3.07	1.49–6.36	0.002
Older age	1.04	1.01–1.06	0.003
Never worked	NR		
Village residence	5.29	1.85–15.11	0.002
Marital status	NR		
Smokers at home	1.27	0.97–1.67	0.08
Smokers at work	NR		
Cigarette smoking	1.45	0.70–2.97	0.32
Low education	0.23	0.06–0.88	0.03