

**Table 3 Predictors of different forms of tobacco use among adolescents who reside in UAE**

Variable	Reference	Current smoking		Cigarettes		Midwakh		Shisha		Other		Uses > 1 tobacco form	
		OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI
<b>Sex (Female)</b>	Male	4.34 <sup>***</sup>	2.95-6.38	5.77 <sup>***</sup>	4.24-7.85	11.50 <sup>***</sup>	6.68-19.81	3.68 <sup>***</sup>	2.57-5.27	3.10 <sup>***</sup>	2.34-4.11	7.21 <sup>***</sup>	5.00-10.39
<b>Age (&lt; 14 yr)</b>	15 yr	1.08	0.48-2.46	3.43 <sup>**</sup>	1.49-7.89	1.10	0.47-2.57	1.83	0.78-4.32	0.14 <sup>***</sup>	0.10-0.21	3.36 <sup>*</sup>	1.34-8.43
	16 yr	1.47	0.65-3.34	3.45 <sup>**</sup>	1.51-7.86	0.79	0.34-1.87	2.18	0.93-5.10	0.13 <sup>***</sup>	0.09-0.19	3.34 <sup>**</sup>	1.34-8.32
	17 yr	1.53	0.66-3.55	4.45 <sup>***</sup>	1.96-10.12	1.25	0.54-2.92	3.65 <sup>**</sup>	1.56-8.50	0.20 <sup>***</sup>	0.14-0.30	5.57 <sup>***</sup>	2.24-13.81
	18 yr	1.33	0.48-3.72	4.90 <sup>***</sup>	2.00-11.97	0.79	0.29-2.18	5.56 <sup>***</sup>	2.18-14.20	0.23 <sup>***</sup>	0.14-0.39	6.35 <sup>***</sup>	2.38-16.96
	> 19 yr	2.23	0.72-6.91	6.45 <sup>***</sup>	2.49-16.65	2.26	0.80-6.35	5.90 <sup>**</sup>	2.08-16.79	0.24 <sup>***</sup>	0.13-0.46	7.99 <sup>***</sup>	2.79-22.92
<b>School (public)</b>	Private	1.77 <sup>*</sup>	1.06-2.94			0.77	0.51-1.17	1.47	0.98-2.20	0.54 <sup>***</sup>	0.41-0.70	1.05	0.73-1.50
<b>Exposed to tobacco smoke (not at all)</b>	Occasionally	1.07	0.62-1.85	2.89 <sup>***</sup>	2.15-3.88	4.06 <sup>***</sup>	2.63-6.27	2.67 <sup>***</sup>	1.85-3.87	2.01 <sup>***</sup>	1.47-2.73	4.04 <sup>***</sup>	2.86-5.69
	Daily	0.46	0.16-1.36	8.09 <sup>***</sup>	5.90-11.11	12.78 <sup>***</sup>	8.17-19.99	4.81 <sup>***</sup>	3.22-7.17	5.54 <sup>***</sup>	4.04-7.59	10.67 <sup>***</sup>	7.43-15.34
<b>UAE born (no)</b>	Yes					1.50	0.96-2.34					1.39	0.98-1.96
<b>Ethnicity (South East Asia)<sup>a</sup></b>	GCC	2.77 <sup>*</sup>	1.19-6.42	1.85 <sup>*</sup>	1.01-3.41			1.40	0.58-3.37			1.88	0.85-4.17
	Arab/Middle East	3.10 <sup>***</sup>	1.64-5.85	2.71 <sup>***</sup>	1.67-4.42			5.18 <sup>***</sup>	2.79-9.61			4.23 <sup>***</sup>	2.28-7.82
	Arab/Africa	2.68 <sup>**</sup>	1.31-5.47	2.42 <sup>**</sup>	1.43-4.08			1.72	0.83-3.58			2.37 <sup>*</sup>	1.20-4.70
	Western	6.88 <sup>**</sup>	2.01-23.61	2.13	0.79-5.79			7.98 <sup>***</sup>	3.04-20.92			3.49 <sup>*</sup>	1.18-10.34
	UAE	2.15 <sup>*</sup>	1.10-4.22	1.24	0.77-1.98			1.39	0.69-2.78			1.60	0.81-3.13
	None/other	4.91 <sup>**</sup>	1.62-14.91	1.47	0.49-4.40			2.14	0.60-7.64			1.51	0.42-5.46
<b>Parental marital status (married)</b>	Widowed	1.04	0.52-2.09	1.10	0.69-1.76	1.24	0.71-2.81			1.06	0.65-1.72	1.21	0.73-2.00
	Separated/divorced	0.51	0.12-2.23	0.97	0.48-1.96	0.70	0.23-2.11			1.31	0.67-2.54	1.10	0.52-2.32
	Other	2.07	0.58-7.43	2.72 <sup>**</sup>	1.28-5.77	1.92	0.51-7.29			3.30 <sup>**</sup>	1.60-6.78	3.47 <sup>**</sup>	1.60-7.68
<b>Father graduated high school (no)</b>	Yes					1.00	0.70-1.42	0.93	0.61-1.44				
<b>Mother graduated high school (no)</b>	Yes							1.07	0.72-1.60				
<b>Location of residence (RAK)</b>	Ajman	3.21 <sup>**</sup>	1.36-7.53	2.61 <sup>*</sup>	1.15-5.94			1.76	0.67-4.65			2.47 <sup>*</sup>	1.04-5.86
	Dubai	1.28	0.59-2.80	2.23 <sup>*</sup>	1.17-4.26			2.07	0.96-4.47			1.85	0.94-3.64
	Fujairah	1.09	0.45-2.67	2.90 <sup>**</sup>	1.17-4.26			0.57	0.19-1.72			1.12	0.51-2.49
	Sharjah	1.33	0.66-2.70	2.63 <sup>**</sup>	1.45-4.78			1.97	0.96-4.04			2.30 <sup>**</sup>	1.24-4.27
	UAQ	1.57	0.33-7.49	0.64	0.067-6.05			1.69	0.28-10.15			0.83	0.08-8.50
	Abu Dhabi	1.37	0.73-2.59	2.83 <sup>***</sup>	1.62-4.97			1.97 <sup>*</sup>	1.01-3.83			2.41 <sup>**</sup>	1.35-4.29
<b>No. of previous residences (4)</b>	1			0.84	0.38-1.83	0.66	0.25-1.77			0.08 <sup>***</sup>	0.05-0.12	0.77	0.32-1.84
	2			0.99	0.42-2.38	1.09	0.36-3.27			0.05 <sup>***</sup>	0.02-0.11	0.88	0.33-2.35
	3			0.99	0.37-2.63	1.23	0.37-4.07			0.13 <sup>***</sup>	0.06-0.28	1.20	0.41-3.50
	None			1.26	0.60-2.66	1.10	0.43-2.81			0.10 <sup>***</sup>	0.07-0.14	1.20	0.52-2.79
<b>Ever used illegal drugs (no)</b>	Yes	4.69 <sup>**</sup>	1.54-14.35	6.83 <sup>***</sup>	3.58-13.05	5.11 <sup>***</sup>	2.37-10.99	10.45 <sup>***</sup>	4.91-22.23	11.92 <sup>***</sup>	6.55-21.69	8.48 <sup>***</sup>	4.28-16.80
Hosmer and Lemeshow test ( $\chi^2$ )		10.61		6.02		5.26		5.13		14.54		8.47	

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

<sup>a</sup>UAE=local; GCC=Kuwait, Saudi Arabia, Oman, Qatar, Bahrain and Yemen; Arab/Middle East = Lebanon, Syria, Jordan, Palestine, and Iraq; Arab/Africa = Egypt, Tunisia, Morocco, Algeria, Libya, Sudan and Somalia; South East Asia = India, Pakistan, Bangladesh, Sri Lanka, Philippines and Indonesia; Western = Europe, United States of America, Australia and Canada; None/other = all other nationalities.

CI = confidence interval; OR = odds ratio; RAK = Ras Al Khaimah; UAE = United Arab Emirates; UAQ = Umm Al Quwain.