

SUPPLEMENTARY TABLES

Supplementary Table S1. Keywords research.		
Database	Keywords	total
Pubmed 01/01/2010- 08/30/2019	(((((tobacco[Title/Abstract] OR smok*[Title/Abstract] OR cigar*[Title/Abstract] OR waterpipe[Title/Abstract] OR hookah[Title/Abstract])) AND (factor*[Title/Abstract] OR predictor*[Title/Abstract] OR reason*[Title/Abstract] OR determinant*[Title/Abstract] OR risk*[Title/Abstract])) AND (universit*[Title/Abstract] OR college*[Title/Abstract] OR student*[Title/Abstract])) AND (Saudi[Title/Abstract] OR KSA[Title/Abstract]))	114
CINAHL 01/01/2010- 08/30/2019	AB (Tobacco OR smok* OR cigar* OR waterpipe OR Hookah) AND AB (Factor* OR Predictor* OR Determinant* OR Reason* OR Risk*) AND AB (College OR University OR Student*) AND AB (Saudi OR KSA)	33
Web of Science 01/01/2010- 08/30/2019	TI=(Tobacco OR Smok* OR Cigar* OR Waterpipe OR Hookah) AND TI=(Factor* OR Predictor* OR Determinant* Reason* OR Risk) AND TI=(College OR University OR Student*) AND TI=(Saudi OR KSA)	9
ProQuest 01/01/2010- 08/30/2019	AB(Tobacco OR Smok* OR Cigar* OR Waterpipe OR Hookah) AND AB(Factor* OR Predictor* OR Determinant* Reason* OR Risk) AND AB(College* OR Universit* OR Student*) AND AB(Saudi OR KSA)	140
Hand Search	Looking through Articles that were included	4
Total		300

Supplementary Table S2. Quality assessment																
Reference	Number of the 15 Items of STROBE (1= Requirement met & 0= absent)															Total score
	4	5	6	7	8	9	10	12	14	15	16	18	19	20	21	
9	1	1	1	1	1	0	1	1	1	1	1	1	0	1	0	12
15	1	1	1	0	1	0	0	1	1	1	0	1	1	1	0	10
16	1	0	0	0	1	0	0	0	1	1	0	1	0	1	0	6
17	1	0	1	0	1	0	0	1	1	1	0	1	0	1	0	8
18	1	1	1	0	1	0	0	0	1	1	0	1	0	1	1	9
19	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	12
20	1	1	1	0	0	0	1	1	1	1	0	1	0	1	0	9
21	1	1	1	1	1	0	1	0	1	1	1	1	1	1	0	12
22	1	1	0	0	0	0	0	1	1	1	0	1	0	1	0	7
23	0	1	0	0	1	1	0	1	1	1	1	1	0	1	0	9
24	1	0	0	1	0	0	0	0	1	1	0	1	1	1	0	7
25	1	1	0	1	1	0	0	1	1	0	0	1	1	0	0	8
26	1	1	0	0	1	0	0	0	1	1	0	1	1	1	0	8
27	1	1	0	0	0	0	0	0	1	0	0	1	0	0	1	5
28	1	1	0	0	1	0	0	0	1	1	0	1	0	1	0	7
29	1	0	0	1	1	0	0	1	1	1	1	1	1	1	1	11
30	1	1	1	0	1	0	1	0	1	1	0	1	0	1	0	9
31	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	9
32	1	1	1	0	1	0	1	1	1	1	1	1	1	1	0	12
33	1	0	0	0	1	0	0	0	1	1	0	1	1	1	0	7
34	1	1	0	0	1	0	0	0	1	1	0	1	1	1	0	8
Assessment (median score)					High= 12-15 (12)					Moderate= 9-11 (9)					Low= 0-8 (7)	