

Supplementary Table 1: Characteristics of all the included studies.

Author	Year of publication	Region	Study design	Sample		Gender	Age (years)	AHRQ score	NOS score
				Acne	Non-acne				
Abo El-Fetoh <i>et al</i>	2016	Kingdom of Saudi Arabia	Cross-sectional	214	186	M	15.0 ± 1.2	5	–
Capitanio <i>et al</i>	2009	Italy	Cross-sectional	1000	815	F	34.6*	6	–
Chuh <i>et al</i> ^a	2004	Hong Kong, China	Case-control	232	232	M, F	32.1	–	7
Chuh <i>et al</i> ^b	2004	India	Case-control	400	400	M, F	31.0	–	7
Di Landro <i>et al</i>	2012	Italy	Case-control	205	358	M, F	17.2 ± 3.1	–	6
Di Landro <i>et al</i>	2016	Italy	Case-control	248	270	F	≥25	–	6
Firooz <i>et al</i>	2005	Iran	Case-control	293	301	M, F	15–40	–	5
Goncalves <i>et al</i>	2012	Portugal	Cross-sectional	61	37	M, F	22–35	5	–
Jemec <i>et al</i>	2002	Denmark	Cross-sectional	81	105	M, F	15–22	6	–
Karadağ <i>et al</i>	2019	Turkey	Case-control	3836	759	M, F	≥12	–	6
Mariana <i>et al</i>	2016	Romania	Cross-sectional	70	78	M, F	17.7 ± 0.8	5	–
Nahidi <i>et al</i>	2013	Iran	Case-control	133	133	M	N/A	–	Full text unavailable
Rombouts <i>et al</i>	2007	Netherlands	Cross-sectional	215	380	M, F	14–18	6	–
Schafer <i>et al</i>	2001	Germany	Cross-sectional	220	527	M, F	1–87	6	–
Suppiah <i>et al</i>	2018	Malaysia	Case-control	57	57	M, F	≥14	–	4
Tasoula <i>et al</i>	2012	Greece	Cross-sectional	784	747	M, F	11–19	6	–
Wolkenstein <i>et al</i>	2015	France	Cross-sectional	1375	891	M, F	15–24	5	–
Wolkenstein <i>et al</i>	2018	European	Cross-sectional	6063	4458	M, F	15–24	5	–

^aStudy in Hong Kong, China; ^bStudy in India; F: Female; M: Male; AHRQ: Agency for Healthcare Research and Quality; NOS: Newcastle-Ottawa Scale.