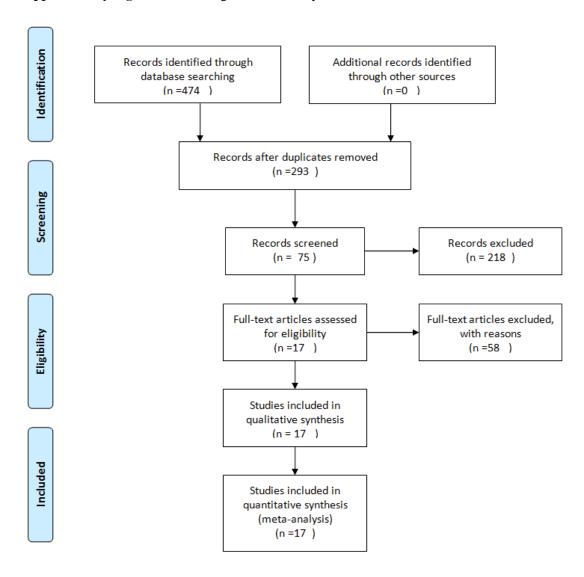
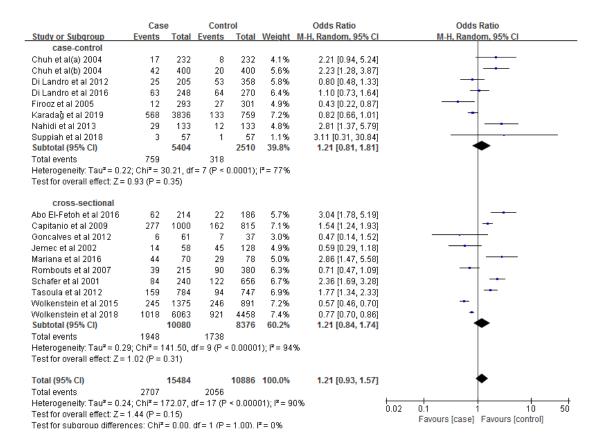
Supplementary Figure 1: Flow diagram of the study identification.



Supplementary Figure 2: Forest plot of the pooled odds ratio (ORs) of smoking in acne patients compared with patients without acne.



Supplementary Figure 3: Forest plot of the pooled odds ratio (ORs) of smoking in acne patients compared with patients without acne based on different ages.

	Case		Control		Risk Ratio		Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	M-H, Random, 95% CI
Adolescent							
Abo El-Fetoh et al 2016	62	214	22	186	7.7%	2.45 [1.57, 3.82]	
Di Landro et al 2012	25	205	53	358	7.7%	0.82 [0.53, 1.28]	
Jemec et al 2002	14	58	45	128	7.0%	0.69 [0.41, 1.15]	
Mariana et al 2016	44	70	29	78	8.6%	1.69 [1.20, 2.38]	_ -
Rombouts et al 2007	39	215	90	380	8.6%	0.77 [0.55, 1.07]	
Tasoula et al 2012	159	784	94	747	9.5%	1.61 [1.27, 2.04]	-
Wolkenstein et al 2015	245	1375	246	891	10.0%	0.65 [0.55, 0.75]	-
Wolkenstein et al 2018	1018	6063	921	4458	10.3%	0.81 [0.75, 0.88]	-
Subtotal (95% CI)		8984		7226	69.4%	1.04 [0.79, 1.38]	•
Total events	1606		1500				
Heterogeneity: Tau ² = 0.14; Chi ² = 80.25, df = 7 (P < 0.00001); I ² = 91%							
Test for overall effect: Z =	0.29 (P = 0.00)	0.77)					
Post-Adolescent							
Capitanio et al 2009	277	1000	162	815	9.9%	1.39 [1.18, 1.65]	-
Chuh et al(a) 2004	17	232	8	232	4.7%	2.13 [0.94, 4.83]	
Chuh et al(b) 2004	42	400	20	400	7.0%	2.10 [1.26, 3.51]	
Di Landro et al 2016	63	248	64	270	8.9%	1.07 [0.79, 1.45]	 -
Subtotal (95% CI)		1880		1717	30.6%	1.43 [1.10, 1.87]	•
Total events	399		254				
Heterogeneity: Tau ² = 0.04; Chi ² = 6.37, df = 3 (P = 0.10); i ² = 53%							
Test for overall effect: Z=	2.65 (P = I	0.008)					
Total (95% CI)		10864		8943	100.0%	1.17 [0.92, 1.48]	◆
Total events	2005		1754				
Heterogeneity: Tau ² = 0.1	4; Chi² = 1	22.21, 0	lf=11 (P	< 0.00	$001); I^2 = 9$	31%	0.2 0.5 1 2 5
Test for overall effect: Z=	1.28 (P = I	0.20)	•				
Test for subaroup differer	nces: Chi²	= 2.57.	df=1 (P:	= 0.11).	. I ² = 61.19	%	Favours [case] Favours [control]

Supplementary Figure 4: Forest plot of the pooled odds ratio (ORs) of smoking in acne patients compared with patients without acne based on different geographic areas.

