Supplementary file 1

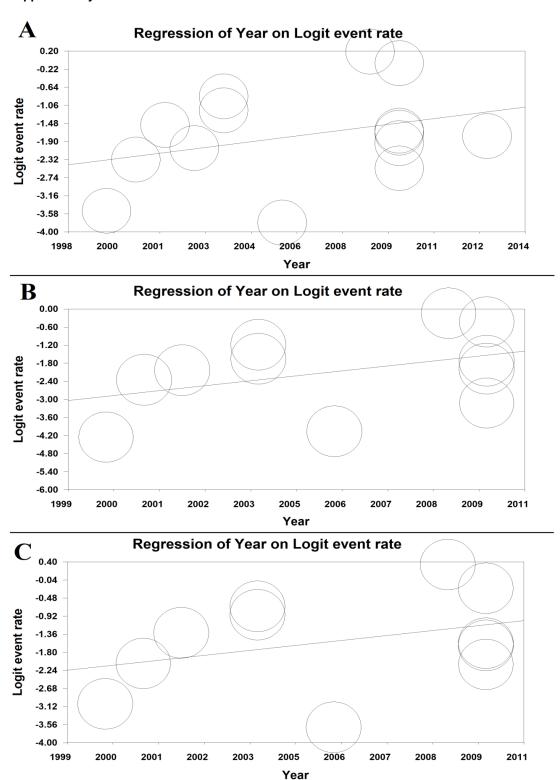
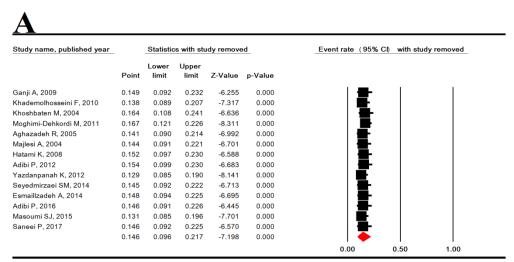


Figure S1. Meta-regression model for the total prevalence of dyspepsia **(A)** and the prevalence of dyspepsia in males **(B)** and females **(C)** according to the year of study.



Meta Analysis

B

Study name, published year	Statistics with study removed					Event rate (95% CI)	with study remove
	Point	Lower limit	Upper limit	Z-Value	p-Value			
Khademolhosseini F, 2010	0.102	0.056	0.179	-6.547	0.000	■	- 1	
Khoshbaten M, 2004	0.134	0.077	0.222	-5.940	0.000	■		
Moghimi-Dehkordi M, 2011	0.133	0.087	0.198	-7.714	0.000	■		
Aghazadeh R, 2005	0.107	0.058	0.189	-6.219	0.000	■		
Majlesi A, 2004	0.110	0.059	0.199	-5.920	0.000	■-		
Hatami K, 2008	0.114	0.059	0.209	-5.579	0.000	■-		
Adibi P, 2012	0.121	0.067	0.208	-6.007	0.000	■		
Yazdanpanah K, 2012	0.093	0.053	0.158	-7.379	0.000			
Seyedmirzaei SM, 2014	0.107	0.057	0.193	-6.068	0.000	■		
Adibi P, 2016	0.110	0.057	0.202	-5.731	0.000	■-		
Masoumi SJ, 2015	0.096	0.054	0.166	-7.009	0.000	■		
	0.111	0.063	0.188	-6.627	0.000	•		
						0.00	0.50	1.00

Meta Analysis

Meta Analysis

C

Study name, published year	Statistics with study removed					Event rate (95% CI) with study removed
	Point	Lower limit	Upper limit	Z-Value	p-Value	
Khademolhosseini F, 2010	0.166	0.088	0.289	-4.406	0.000	- = -
Khoshbaten M, 2004	0.201	0.112	0.333	-3.939	0.000	
Moghimi-Dehkordi M, 2011	0.211	0.141	0.303	-5.288	0.000	🖶
Aghazadeh R, 2005	0.168	0.089	0.296	-4.292	0.000	-
Majlesi A, 2004	0.175	0.090	0.311	-4.024	0.000	
Hatami K, 2008	0.186	0.101	0.317	-4.088	0.000	-
Adibi P, 2012	0.186	0.101	0.317	-4.074	0.000	-
Yazdanpanah K, 2012	0.152	0.085	0.257	-5.141	0.000	=
Seyedmirzaei SM, 2014	0.178	0.094	0.313	-4.031	0.000	=
Adibi P, 2016	0.179	0.090	0.325	-3.774	0.000	
Masoumi SJ, 2015	0.160	0.087	0.276	-4.673	0.000	
	0.178	0.100	0.297	-4.492	0.000	
						0.00 0.50 1.00

Figure S2. Sensitivity analysis for the total prevalence of dyspepsia (A) and the prevalence of dyspepsia in males (B) and females (C).

Funnel Plot of Standard Error by Logit event rate

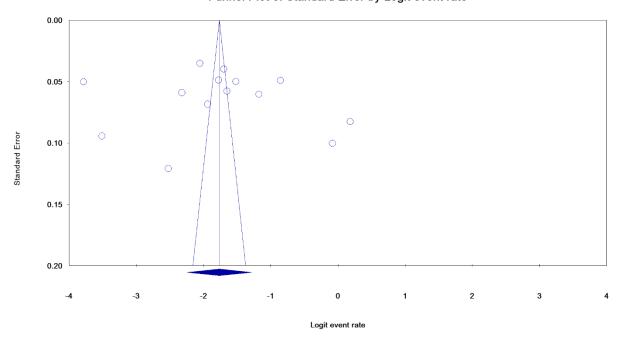


Figure S3. Publication bias.