

1.1.1 Publication bias of Male gender for SA risk in active duty personnel

Begg's Test

adj. Kendall's Score (P-Q) = 0
 Std. Dev. of Score = 2.94
 Number of Studies = 4
 z = 0.00
 Pr > |z| = 1.000
 z = -0.34 (continuity corrected)
 Pr > |z| = 1.000 (continuity corrected)

Egger's test

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
slope	.761204	.1010589	7.53	0.017	.3263828	1.196025
bias	1.396758	2.11707	0.66	0.577	-7.712257	10.50577

1.1.2 Publication bias of overweight/obesity for SA risk in active duty personnel

Begg's Test

adj. Kendall's Score (P-Q) = -1
 Std. Dev. of Score = 1.91
 Number of Studies = 3
 z = -0.52
 Pr > |z| = 0.602
 z = 0.00 (continuity corrected)
 Pr > |z| = 1.000 (continuity corrected)

Egger's test

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
slope	1.171709	.3745025	3.13	0.197	-3.586796	5.930214
bias	-12.67983	31.13733	-0.41	0.754	-408.3172	382.9575

1.1.3 Publication bias of higher BMI for SA risk in active duty personnel

Begg's Test

adj. Kendall's Score (P-Q) = -2
 Std. Dev. of Score = 2.94
 Number of Studies = 4
 z = -0.68
 Pr > |z| = 0.497
 z = 0.34 (continuity corrected)
 Pr > |z| = 0.734 (continuity corrected)

Egger's test

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
slope	.63298	.0505691	12.52	0.006	.415399	.8505611
bias	-.1811568	2.740194	-0.07	0.953	-11.97126	11.60895

1.2.1 Publication bias of TBI for SA risk in active duty personnel

Harbord's modified test for small-study effects:

Regress Z/\sqrt{V} on \sqrt{V} , where Z is the efficient score and V is the score variance

Number of studies = 3 Root MSE = .3837

Z/sqrt(V)	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
sqrt(V)	.3433741	.0066146	51.91	0.012	.259328	.4274202
bias	-1.601022	.2852649	-5.61	0.112	-5.225657	2.023612

Test of H0: no small-study effects P = 0.112

3.1.4 Publication bias of male gender for SA risk in veterans

Begg's Test

adj. Kendall's Score (P-Q) = -2
 Std. Dev. of Score = 2.94
 Number of Studies = 4
 z = -0.68
 Pr > |z| = 0.497
 z = 0.34 (continuity corrected)
 Pr > |z| = 0.734 (continuity corrected)

Egger's test

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
slope	-.1786795	.2343015	-0.76	0.525	-1.186797	.8294383
bias	-2.595282	2.703334	-0.96	0.438	-14.22679	9.036227

3.2.1 Publication bias of deployment experience for insomnia risk in active duty

personnel

Begg's Test

adj. Kendall's Score (P-Q) = 2
 Std. Dev. of Score = 2.94
 Number of Studies = 4
 z = 0.68
 Pr > |z| = 0.497
 z = 0.34 (continuity corrected)
 Pr > |z| = 0.734 (continuity corrected)

Egger's test

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
slope	.2406486	.0807509	2.98	0.097	-.1067944	.5880916
bias	1.732308	1.044848	1.66	0.239	-2.76331	6.227927

3.3.1 Publication bias of depression for insomnia risk in active duty personnel

Begg's Test

adj. Kendall's Score (P-Q) = 1
 Std. Dev. of Score = 1.91
 Number of Studies = 3
 z = 0.52
 Pr > |z| = 0.602
 z = 0.00 (continuity corrected)
 Pr > |z| = 1.000 (continuity corrected)

Egger's test

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
+-----						
slope	1.065427	.0764996	13.93	0.046	.0934075	2.037446
bias	6.38049	7.375057	0.87	0.546	-87.3285	100.0895

3.3.3 Publication bias of TBI for insomnia risk in active duty personnel

Begg's Test

adj. Kendall's Score (P-Q) = 0
 Std. Dev. of Score = 2.94
 Number of Studies = 4
 z = 0.00
 Pr > |z| = 1.000
 z = -0.34 (continuity corrected)
 Pr > |z| = 1.000 (continuity corrected)

Egger's test

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
+-----						
slope	.5825948	.0092504	62.98	0.000	.5427937	.6223959
bias	-.212819	1.927286	-0.11	0.922	-8.50526	8.079622

3.3.3 Publication bias of TBI for insomnia risk in active duty personnel

Begg's Test

adj. Kendall's Score (P-Q) = 1
 Std. Dev. of Score = 1.91
 Number of Studies = 3
 z = 0.52
 Pr > |z| = 0.602
 z = 0.00 (continuity corrected)
 Pr > |z| = 1.000 (continuity corrected)

Egger's test

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
slope	1.241792	.0291441	42.61	0.015	.8714812	1.612104
bias	3.860566	5.611757	0.69	0.616	-67.44356	75.16469

4.1.3 Publication bias of white race for insomnia risk in veterans

Begg's Test

adj. Kendall's Score (P-Q) = 3
 Std. Dev. of Score = 1.91
 Number of Studies = 3
 z = 1.57
 Pr > |z| = 0.117
 z = 1.04 (continuity corrected)
 Pr > |z| = 0.296 (continuity corrected)

Egger's test

Std_Eff	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
slope	-.7379556	.015854	-46.55	0.014	-.9394002	-.5365109
bias	2.338831	.1316963	17.76	0.036	.6654706	4.012192

4.3.1 Publication bias of TBI for insomnia risk in veterans

Harbord's modified test for small-study effects:

Regress Z/\sqrt{V} on \sqrt{V} , where Z is the efficient score and V is the score variance

Number of studies = 3 Root MSE = .4795

Z/\sqrt{V}	Coef.	Std. Err.	t	$P> t $	[95% Conf. Interval]	
+-----+						
sqrt(V)	.8972334	.0487195	18.42	0.035	.2781939	1.516273
bias	-2.500315	.4460618	-5.61	0.112	-8.168067	3.167438

Test of H0: no small-study effects P = 0.112