

ATTENTION FUNCTIONING

Std. Mean Difference
IV, Random, 95% CI

Study

Selective attention

Sleep-related breathing disorders

Blunden 2005 (PS)	1.04 [0.32; 1.77]
Blunden 2005 (PS)	1.39 [0.64; 2.15]
Kennedy 2004 (PS)	1.51 [0.63; 2.39]
Blunden 2005 (PS and BSP)	1.19 [0.41; 1.98]
Blunden 2005 (PS and BSP)	1.50 [0.69; 2.32]
Blunden 2000 (PS/OSA)	8.37 [6.13; 10.60]
Beebe 2004 (PS)	0.75 [0.06; 1.45]
Hogan 2008 (SBD)	0.66 [-0.17; 1.50]
Hill 2006 (SBD)	0.74 [0.13; 1.35]
Beebe 2004 (Mild OSA)	0.81 [-0.03; 1.65]
Barnes 2012 (Mild OSA)	0.80 [0.03; 1.58]
Beebe 2004 (MS OSA)	1.17 [0.17; 2.16]
Total (95% CI)	1.30 [0.80; 1.79]

Insomnia disorders

Blunden 2005 (BSP)	0.16 [-0.49; 0.81]
Blunden 2005 (BSP)	0.59 [-0.07; 1.25]
Total (95% CI)	0.37 [-0.09; 0.84]

*Central disorders of hypersomnolence**Sleep-related neurological disorders*

Baglietto 2001 (Epilepsy)	-0.28 [-1.21; 0.65]
Baglietto 2001 (Epilepsy)	-0.95 [-1.93; 0.03]
Baglietto 2001 (Epilepsy)	0.89 [-0.08; 1.87]
Total (95% CI)	-0.11 [-1.15; 0.92]

Selective attention

Sleep-related breathing disorders

Beebe 2004 (PS)	-0.03 [-0.70; 0.64]
Blunden 2005 (PS)	0.21 [-0.48; 0.90]
Blunden 2005 (PS)	1.21 [0.48; 1.95]
Kennedy 2004 (PS)	1.41 [0.54; 2.28]
Blunden 2005 (PS and BSP)	0.33 [-0.42; 1.08]
Blunden 2005 (PS and BSP)	1.26 [0.47; 2.06]
Blunden 2000 (PS/OSA)	5.82 [4.19; 7.45]
Gottlieb 2004 (SBD)	0.27 [-0.07; 0.61]
Halbower 2006 (OSA)	0.14 [-0.63; 0.92]
Beebe 2004 (Mild OSA)	-0.03 [-0.84; 0.78]
Beebe 2004 (MS OSA)	0.31 [-1.25; 0.63]
Total (95% CI)	0.75 [0.20; 1.29]

Insomnia disorders

Blunden 2005 (BSP)	-0.20 [-0.85; 0.45]
Blunden 2005 (BSP)	0.29 [-0.36; 0.94]
Total (95% CI)	0.05 [-0.43; 0.53]

Central disorders of hypersomnolence

Huang 2016 (Narcolepsy)	0.88 [0.37; 1.39]
Huang 2016 (Narcolepsy)	0.51 [0.01; 1.02]
Total (95% CI)	0.69 [0.33; 1.05]

Sleep-related neurological disorders

Total (95% CI) **0.78 [0.49; 1.07]**

Heterogeneity: $\tau^2 = 0.5$; $\chi^2 = 152.27$, df = 31 ($P < 0.001$); $I^2 = 80\%$

Test for subgroup differences: $\chi^2 = 15.96$, df = 5 ($P = 0.007$)

