Patients Study	with schizophrenia Total Mean SD	Healthy controls Total Mean SD	Standardised Mean Difference	SMD	95%–CI	Weight (fixed)	Weight (random)
patient group = chronic da Silva Alves et al. 2011 (45) Kegeles et al. 2012 (44) Jessen et al. 2013 (43) Coughlin et al. 2015 (42) Goldstein et al. 2015 (41) Hugdahl et al. 2015 (40) Chen et al. 2017 (39) Iwata et al. 2019 (38) Kaminski et al. 2019 (25) Fixed effect model Random effects model Heterogeneity: $I^2 = 37\%$, $\tau^2 = 0.0$	32 0.00 0.0011 20 2.11 0.3000 25 1.40 0.2300 42 1.17 0.0766 18 5.60 3.0000 24 1.64 2.1514 64 14.02 1.5500 55 7.92 1.0900 291	23 6.44 1.3500 22 0.00 0.0005 20 2.06 0.3300 16 1.37 0.2060 15 1.12 0.0500 26 7.63 2.9025 24 1.28 1.8677 26 13.94 1.3200 35 8.22 0.9000 207		-0.04 [-0.7] -0.27 [-0.8] 0.16 [-0.4] 0.12 [-0.5] - 0.68 [0.0] -0.69 [-1.31] 0.18 [-0.3] 0.05 [-0.4] -0.29 [-0.7] -0.03 [-0.22] -0.02 [-0.20]	2; 0.27] 6; 0.78] 1; 0.75] 7; 1.28] ; -0.07] 9; 0.75] 0; 0.51] 2; 0.13]	7.0% 5.4% 5.3% 5.8% 5.5% 6.5% 10.1%	5.9% 7.8% 6.9% 6.8% 7.1% 6.9% 7.5% 9.0% 9.4% —— 67.4%
patient group = FEP Goto et al. 2012 (46) Smesny et al. 2015 (49) Maddock et al. 2018 (48) Wang et al. 2019 (47) Fixed effect model Random effects model Heterogeneity: $I^2 = 80\%$, $\tau^2 = 0.2$ Fixed effect model Random effects model Heterogeneity: $I^2 = 58\%$, $\tau^2 = 0.1$ Residual heterogeneity: $I^2 = 60\%$	429 009, <i>p</i> < 0.01	18 0.67 0.4000 31 10.49 1.6840 25 0.90 0.0800 84 6.65 0.5200 158	-1 -0.5 0 0.5 1	0.35 [-0.3 - 0.79 [0.2 0.00 [-0.6] -0.38 [-0.69 -0.00 [-0.2] 0.17 [-0.4] -0.02 [-0.10 0.03 [-0.20	8; 1.31] 2; 0.62] 0; -0.06] 3; 0.23] 1; 0.74]	7.8% 5.5% 20.7% 38.9% 	6.5% 8.2% 7.0% 10.9% 32.6%