Patients Study	with schizophrenia Total Mean SD	Healthy controls Total Mean SD	Standardised Mean Difference	SMD	95%-CI	Weight (fixed)	Weight (random)
medication_status = meda Silva Alves et al. 2011 Kegeles et al. 2012 Kaminski et al. 2019 Fixed effect model Random effects model Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0\%$	18 6.37 1.0956 32 0.00 0.0011 55 7.92 1.0900 <b>105</b>	23 6.44 1.3500 22 0.00 0.0005		-0.27 [- -0.29 [- -0.23 [-	-0.67; 0.56] -0.82; 0.27] -0.72; 0.13] -0.52; 0.07]	5.4% 6.9% 11.4% 23.7%	6.9% 7.7% 9.3%  23.9%
medication_status = naï Goto et al. 2012 Smesny et al. 2015 Chen et al. 2017 Fixed effect model Random effects model Heterogeneity: $I^2 = 23\%$ , $\tau^2 = 10\%$	18 0.79 0.2800 31 11.61 1.0800 24 1.64 2.1514 73			- 0.79 [ 0.18 [- 0.46 [	-0.31; 1.01] 0.28; 1.31] -0.39; 0.75] 0.13; 0.80] 0.08; 0.84]	4.8% 7.7% 6.4% 18.9%	6.4% 8.1% 7.4%  21.9%
medication_status = medication_status = medication_status = medicate   Jessen et al. 2013   Coughlin et al. 2015   Goldstein et al. 2015   Hugdahl et al. 2015   Iwata et al. 2019   Wang et al. 2019   Fixed effect model   Random effects model   Heterogeneity: $I^2 = 63\%$ , $\tau^2 = 63\%$	20 2.11 0.3000 25 1.40 0.2300 42 1.17 0.0766 18 7.75 4.7804 64 14.02 1.5500 72 6.41 0.7500 241	16 1.37 0.2060 15 1.12 0.0500 26 10.60 4.1410 - 26 13.94 1.3200		0.12 [- - 0.68 [ -0.65 [- 0.05 [- -0.38 [- -0.10 [-	-0.46; 0.78] -0.51; 0.75] 0.07; 1.28] 1.26; -0.03] -0.40; 0.51] 0.69; -0.06] 0.30; 0.10] 0.38; 0.32]	5.3% 5.2% 5.7% 5.4% 9.9% 20.4% <b>52.0%</b>	6.8% 6.7% 7.0% 6.9% 8.9% 10.9%
medication_status = und Maddock et al. 2018 Fixed effect model Random effects model Heterogeneity: not applicable	17 0.90 0.0700 17	25 0.90 0.0800 25		0.00 [-	-0.62; 0.62] -0.62; 0.62] -0.62; 0.62]	5.4% 5.4%	6.9%  6.9%
Fixed effect model Random effects model Heterogeneity: $I^2 = 57\%$ , $\tau^2 = 100$ Residual heterogeneity: $I^2 = 100$		365	-1 -0.5 0 0.5 1	-	0.16; 0.12] 0.19; 0.26]	100.0%	 100.0%