Patients Study	with schizophrenia Total Mean SD	Healthy controls Total Mean SD	Standardised Mean Difference	SMD 95%-	Weight Weight ·CI (fixed) (random)
medication_status = un Kegeles2 et al. 2012 Kaminski2 et al. 2019 Fixed effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0\%$	16 0.00 0.0008 19 7.89 0.8400 35			-0.39 [-1.17; 0.3 -0.38 [-1.03; 0.3 -0.38 [-0.88; 0.3 -0.38 [-0.88; 0.3	28] 4.9% 6.0% 3] 8.4% —
medication_status = na Goto et al. 2012 Smesny et al. 2015 Chen et al. 2017 Fixed effect model Random effects model Heterogeneity: $l^2 = 22\%$, τ^2	18 0.79 0.2800 31 11.61 1.0880 24 1.64 2.1514 73	31 10.49 1.6840		0.35 [-0.31; 1.6 - 0.79 [0.27; 1.6 0.18 [-0.39; 0.6 0.46 [0.13; 0.6 0.46 [0.08; 0.8	31] 7.8% 7.6% 75] 6.5% 7.0% 79] 19.2%
medication_status = meda Silva Alves et al. 2011 Kegeles et al. 2012 Jessen et al. 2013 Coughlin et al. 2015 Goldstein et al. 2015 Hugdahl et al. 2015 Iwata et al. 2019 Kaminski et al. 2019 Wang et al. 2019 Fixed effect model Random effects model Heterogeneity: I² = 44%, τ²	11 6.39 1.3200 16 0.00 0.0014 20 2.11 0.3000 25 1.40 0.2300 42 1.17 0.0766 18 5.60 3.0000 64 14.02 1.5500 36 7.94 1.2200 72 6.41 0.7500	11 0.00 0.0005 20 2.06 0.3300 16 1.37 0.2060 15 1.12 0.0500 26 7.63 2.9025 - 26 13.94 1.3200 18 8.22 0.9000		-0.04 [-0.76; 0.4] -0.20 [-0.97; 0.4] 0.16 [-0.46; 0.4] 0.12 [-0.51; 0.4] -0.68 [0.07; 1.4] -0.69 [-1.31; -0.4] 0.05 [-0.40; 0.4] -0.25 [-0.82; 0.4] -0.38 [-0.69; -0.4] -0.12 [-0.30; 0.4] -0.08 [-0.33; 0.4]	57] 3.5% 5.0% 78] 5.4% 6.4% 75] 5.3% 6.3% 28] 5.8% 6.6% 57] 5.5% 6.4% 51] 10.1% 8.4% 32] 6.4% 6.9% 36] 20.8% 10.4% 36] 66.9%
medication_status = un Maddock et al. 2018 Fixed effect model Random effects model Heterogeneity: not applicab	17 0.90 0.0700 17	25 0.90 0.0800 25		0.00 [-0.62; 0.0 0.00 [-0.62; 0.0 0.00 [-0.62; 0.0	52] 5.5%
Fixed effect model Random effects model Heterogeneity: $I^2 = 52\%$, τ^2 Residual heterogeneity: $I^2 = 10\%$		365	-1 -0.5 0 0.5 1	-0.02 [-0.17; 0.7 0.01 [-0.21; 0.7	_