

Supplementary table 1. Predictors of longitudinal changes in PANSS scores and metabolic measures over 6 weeks in the univariate model

	PANSS-total		PANSS-negative		PANSS-positive	
	Responder (n=1 497)/ non-responder (n=1 107) mean (SD)	OR (95% CI)	Responder (n=1 131)/ non-responder (n=1 473) mean (SD)	OR (95% CI)	Responder (n=1 889)/ non-responder (n=715) mean (SD)	OR (95% CI)
Age	32.08 (7.95)/31.99 (7.83)	1.01 (0.93 to 1.09)	31.76 (7.96)/32.27 (7.85)	0.94 (0.87 to 1.01)	32.18 (7.86)/31.72 (8.00)	1.06 (0.97 to 1.16)
Education years	10.05 (3.32)/10.73 (3.16)	0.81 (0.75 to 0.88)***	10.08 (3.20)/10.54 (3.30)	0.87 (0.80 to 0.94)***	10.15 (3.32)/10.83 (3.09)	0.81 (0.74 to 0.88)***
DOI	5.91 (5.92)/6.96 (5.95)	0.84 (0.78 to 0.91)***	5.64 (5.83)/6.91 (5.99)	0.80 (0.74 to 0.87)***	6.18 (5.90)/6.83 (6.06)	0.90 (0.83 to 0.98)*
Age at onset	25.84 (7.21)/24.81 (6.73)	1.16 (1.07 to 1.25)***	25.81 (7.24)/25.10 (6.83)	1.10 (1.02 to 1.19)*	25.71 (7.13)/24.63 (6.68)	1.17 (1.07 to 1.28)***
WBCc	6.65 (1.96)/6.76 (1.99)	0.94 (0.87 to 1.02)	6.54 (1.89)/6.81 (2.02)	0.87 (0.8 to 0.94)***	6.66 (1.95)/6.79 (2.01)	0.93 (0.86 to 1.02)
RBCc	4.54 (0.60)/4.55 (0.58)	0.98 (0.90 to 1.06)	4.53 (0.57)/4.55 (0.60)	0.96 (0.89 to 1.04)	4.53 (0.59)/4.57 (0.59)	0.94 (0.86 to 1.02)
PLTc	214.64 (64.44)/219.45 (63.10)	0.93 (0.86 to 1.00)	212.27 (63.07)/219.73 (64.36)	0.89 (0.82 to 0.96)**	216 (63.75)/217.88 (64.36)	0.97 (0.89 to 1.06)
BMI	22.23 (3.72)/22.36 (3.79)	0.97 (0.89 to 1.04)	22.06 (3.62)/22.44 (3.84)	0.90 (0.84 to 0.98)*	22.31 (3.80)/22.20 (3.60)	1.03 (0.94 to 1.12)
WC	79.15 (10.8)/80.85 (11.91)	0.86 (0.79 to 0.93)***	78.58 (11.00)/80.78 (11.50)	0.82 (0.76 to 0.89)***	79.67 (11.12)/80.29 (11.84)	0.95 (0.87 to 1.03)
Systolic BP	115.82 (11.89)/116.18 (11.16)	0.97 (0.90 to 1.05)	115.79 (11.97)/116.08 (11.28)	0.97 (0.90 to 1.05)	115.75 (11.78)/116.5 (11.02)	0.94 (0.86 to 1.02)
Diastolic BP	75.77 (8.61)/75.44 (7.92)	1.04 (0.96 to 1.13)	75.83 (8.37)/75.48 (8.28)	1.04 (0.97 to 1.13)	75.65 (8.49)/75.59 (7.87)	1.01 (0.92 to 1.10)
GLU	4.84 (0.76)/4.89 (0.78)	0.94 (0.87 to 1.01)	4.79 (0.74)/4.91 (0.79)	0.86 (0.79 to 0.93)***	4.85 (0.78)/4.88 (0.75)	0.96 (0.88 to 1.05)
TC	4.17 (0.94)/4.21 (0.91)	0.96 (0.88 to 1.03)	4.18 (0.91)/4.20 (0.93)	0.98 (0.91 to 1.06)	4.19 (0.93)/4.19 (0.90)	1.00 (0.92 to 1.09)
TG	1.22 (0.69)/1.26 (0.77)	0.94 (0.87 to 1.02)	1.19 (0.68)/1.27 (0.76)	0.89 (0.82 to 0.96)**	1.24 (0.73)/1.24 (0.72)	1.01 (0.92 to 1.10)
HDL	1.31 (0.35)/1.33 (0.37)	0.96 (0.89 to 1.04)	1.32 (0.36)/1.31 (0.36)	1.03 (0.95 to 1.11)	1.31 (0.36)/1.33 (0.36)	0.96 (0.88 to 1.05)
LDL	2.33 (0.87)/2.42 (0.85)	0.90 (0.83 to 0.97)**	2.31 (0.84)/2.41 (0.88)	0.90 (0.83 to 0.97)**	2.35 (0.87)/2.40 (0.84)	0.95 (0.87 to 1.04)

*P<0.05; **P<0.01; ***P<0.001. BMI, body mass index; BP, blood pressure; CI, confidence interval; DOI, duration of illness; GLU, glucose; HDL, high-density lipoprotein; LDL, low-density lipoprotein; OR, odd ratio; PANSS, positive and negative syndrome scales; PLTc, platelet count; RBCc, red blood cell count; TC, total cholesterol; TG, triglycerides; WBCc, white blood cell count; WC, waist circumference.

Supplementary table 1 (continued)

	BMI change (n=2 598)		TC change (n=2 371)		LDL change (n=2 242)	
	≥ median/< median	OR (95% CI)	≥ median/< median	OR (95% CI)	≥ median/< median	OR (95% CI)
	mean (SD)		mean (SD)		mean (SD)	
Age	31.72 (7.76)/32.35 (8.04)	0.92 (0.85 to 1.00)*	31.97 (7.90)/32.34 (7.90)	0.95 (0.88 to 1.03)	31.74 (7.91)/32.65 (7.84)	0.89 (0.82 to 0.97)**
Education years	10.15 (3.28)/10.55 (3.24)	0.88 (0.82 to 0.96)**	10.34 (3.25)/10.22 (3.24)	1.04 (0.96 to 1.13)	10.32 (3.23)/10.21 (3.27)	1.03 (0.95 to 1.12)
DOI	5.68 (5.59)/7.02 (6.22)	0.80 (0.74 to 0.86)***	6.11 (5.80)/6.68 (6.11)	0.91 (0.84 to 0.98)*	6.14 (5.86)/6.68 (6.12)	0.91 (0.84 to 0.99)*
Age at onset	25.78 (7.06)/25.03 (6.98)	1.11 (1.03 to 1.20)**	25.61 (7.10)/25.34 (7.01)	1.04 (0.96 to 1.13)	25.33 (6.98)/25.64 (7.12)	0.96 (0.88 to 1.04)
WBCc	6.63 (1.98)/6.75 (1.95)	0.94 (0.87 to 1.02)	6.57 (1.97)/6.81 (1.93)	0.88 (0.81 to 0.96)**	6.60 (1.99)/6.83 (1.95)	0.89 (0.82 to 0.97)**
RBCc	4.52 (0.60)/4.60 (1.27)	0.86 (0.76 to 0.97)*	4.47 (0.56)/4.61 (0.61)	0.66 (0.58 to 0.76)***	4.49 (0.57)/4.59 (0.59)	0.76 (0.66 to 0.87)***
PLTc	216.62 (62.56)/216.60 (65.06)	1.00 (0.93 to 1.08)	213.49 (61.67)/219.04 (65.93)	0.92 (0.85 to 0.99)*	213.33 (63.30)/219.02 (63.98)	0.91 (0.84 to 0.99)*
BMI	21.48 (3.27)/23.06 (4.01)	0.63 (0.58 to 0.69)***	21.94 (3.51)/22.65 (4.04)	0.83 (0.76 to 0.90)***	22.02 (3.58)/22.6 (3.97)	0.86 (0.79 to 0.93)***
WC	78.05 (10.94)/81.58 (11.42)	0.72 (0.66 to 0.78)***	79.49 (11.25)/80.31 (11.68)	0.93 (0.86 to 1.01)	79.3 (11.01)/80.43 (11.97)	0.91 (0.84 to 0.98)*
Systolic BP	115.07 (11.65)/116.83 (11.43)	0.86 (0.79 to 0.93)***	115.80 (11.69)/116.23 (11.47)	0.96 (0.89 to 1.04)	115.47 (11.62)/116.37 (11.42)	0.92 (0.85 to 1.00)
Diastolic BP	75.10 (8.44)/76.19 (8.17)	0.88 (0.81 to 0.95)***	75.56 (8.33)/75.89 (8.35)	0.96 (0.89 to 1.04)	75.39 (8.40)/76.06 (8.26)	0.92 (0.85 to 1.00)
GLU	4.82 (0.76)/4.90 (0.77)	0.91 (0.84 to 0.98)*	4.80 (0.77)/4.92 (0.77)	0.86 (0.79 to 0.93)***	4.80 (0.74)/4.91 (0.81)	0.87 (0.80 to 0.94)***
TC	4.15 (0.93)/4.23 (0.92)	0.91 (0.84 to 0.98)*	3.85 (0.82)/4.53 (0.90)	0.42 (0.38 to 0.46)***	3.94 (0.83)/4.46 (0.94)	0.54 (0.49 to 0.59)***
TG	1.17 (0.67)/1.31 (0.77)	0.83 (0.77 to 0.90)***	1.17 (0.68)/1.31 (0.76)	0.82 (0.76 to 0.90)***	1.19 (0.71)/1.30 (0.74)	0.86 (0.79 to 0.94)***
HDL	1.34 (0.34)/1.30 (0.37)	1.13 (1.04 to 1.22)**	1.27 (0.34)/1.35 (0.37)	0.80 (0.74 to 0.87)***	1.31 (0.35)/1.32 (0.36)	0.97 (0.90 to 1.06)
LDL	2.29 (0.86)/2.44 (0.87)	0.84 (0.77 to 0.91)***	2.14 (0.77)/2.6 (0.90)	0.56 (0.50 to 0.61)***	2.06 (0.67)/2.68 (0.93)	0.42 (0.37 to 0.47)***