<u>Supplementary Material</u>

Article Title: Antipsychotic Exposure in Clinical High Risk of Psychosis: Empirical Insights From a Large Cohort Study

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<u>List of Supplementary Material for the article</u>

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Supplementary Appendix 1. Exploratory factor analysis

The exploratory factor analysis of 19 SIPS variables of full sample(N=717) resulted in five factors is presented in sTable-1. The Kaiser–Meyer–Olkin index of sampling adequacy was 0.809, indicating that the correlation matrix was suitable for factor analysis. The initial principal components were rotated orthogonally (Varimax with Kaiser Normalization). Five factors had eigenvalues greater than one. The first factor, with an eigenvalue of 4.690 and high loading coefficients (>0.45) for N1, N2, N3, N4, N5, N6 and D4 was labeled 'Factor-1: Negative symptoms'. The second factor, with an eigenvalue of 2.290 and high loading coefficients for P5, N5, D1 and G3 was labeled 'Factor-2: Speech and behavior disorganization'. The third factor, with an eigenvalue of 1.706 and high loading factors for G1, G2 and G4, was labeled 'Factor-3: General symptoms'. The fourth factor, with an eigenvalue of 1.18 and high loading factors for P1 and D2, was labeled 'Factor-4: Unusual thought symptoms'. Finally, the fifth factor, with an eigenvalue of 1.090 and high loading factors for P2, P3 and P4, was labeled 'Factor-5: Distorted cognition and perception symptoms'. One item (D3 Trouble with Focus and Attention) did not load on to any factor with a loading higher than 0.45.

Supplementary Table 1. Principal components analyses

Supplementary Table 1. Principal components analyses with orthogonal rotation of items from the SIPS (total sample, N=717)

Variables	Factor 1	Factor2	Factor3	Factor4	Factor5
P1 unusual thought content	0.023	0.124	0.031	**0.855**	0.053
P2 suspiciousness	0.158	-0.369	0.044	0.057	**0.489**
P3 grandiosity	-0.194	0.353	-0.005	-0.159	**0.542**
P4 perceptual abnormalities	0.033	-0.036	0.012	0.119	**0.610**
P5 disorganized communication	0.132	**0.652**	-0.042	0.144	-0.156
N1 social anhedonia	**0.793**	0.078	0.082	-0.040	0.021
N2 avolition	**0.766**	0.050	0.285	-0.034	0.084
N3 expression of emotion	**0.792**	0.275	-0.046	0.056	0.006
N4 experience of emotions & self	**0.789**	0.256	-0.044	0.055	-0.069
N5 ideational richness	**0.475**	**0.614**	-0.044	0.142	-0.121
N6 occupational functioning	**0.555**	0.054	0.248	0.187	0.286
D1 odd behavior or appearance	0.271	**0.582**	-0.144	0.241	0.181
D2 bizarre thinking	0.057	0.118	0.077	**0.881**	0.075
D3 trouble with focus & attention	0.288	0.165	0.320	0.071	0.439
D4 impaired personal hygiene	**0.482**	0.393	-0.082	0.099	0.175
G1 sleep disturbance	-0.066	0.093	**0.785**	-0.008	0.046

G2 dysphoric mood	0.105	-0.154	**0.800**	-0.023	-0.090
G3 motor disturbances	0.202	**0.609**	0.086	-0.034	0.117
G4 impaired tolerance to normal stress	0.239	-0.109	**0.654**	0.229	0.289