Data Supplement for Cornblatt et al., Psychosis Prevention: A Modified Strategy for Selecting Individuals at Clinical High Risk for Psychosis. Am J Psychiatry (doi: 10.1176/appi.ajp.2015.13121686)

Bootstrap Resampling

Bootstrap resampling with replacement was used to internally validate the predictors in the final model (1, 2). Bootstrapping involved randomly sampling the data with replacement (B=10,000 bootstrap samples) for the predictors in the final model and repeating the Cox regression analyses to assess the accuracy of the confidence intervals.

The bootstrap corrected 95% confidence intervals (95% CI) for each of the significant predictors in the final model did not overlap with 0 (Disorganized Communication>2, 95% CI 0.109-2.574, P=0.007; Suspiciousness=5, 95% CI 0.111-2.538, P=0.005; Verbal Memory <2 SD, 95% CI 0.920-3.391, P<0.001; Decline in Social Functioning 95% CI 0.246-0.815, P<.001; Age 95% CI 0.045-0.444, P=.03), suggesting that the final predictor model was not overfit to the data.

References

- 1. Efron B, Tibshirani RJ: An Introduction to the Bootstrap. CRC press, 1994
- 2. Sauerbrei W, Schumacher M. A bootstrap resampling procedure for model building: application to the Cox regression model. Stat Med 1992; 11:2093–2109

TABLE S1. Neurocognitive domains, individual tests, an	a Dependent measures
Verbal Memory ($\alpha = .82, 4 \text{ tests}$)	T
California Verbal Learning Test (CVLT)	
Total for trials 1–5	Words recalled in trials 1-5
Long delay free recall	Recognition errors
Wechsler Memory Scale, Revised (WMS-R)	
Logical Memory: Immediate and Delayed	Story elements recalled
Working Memory (α = .78, 3 tests)	
Wechsler Intelligence Scale for Children-III/Wechsler	
Adult Intelligence Scale-R (WISC-III/WAIS-R)	
Digit Span Forward and Backward	Digit sequences recalled
Letter-Number Span	Number of correct trials
Executive Function (α = .78, 5 tests)	
Ruff Figural Fluency Test	Number of correctly reproduced
•	figures
Wisconsin Card Sorting Test (WSCT), Version 2	
Perseverative Errors	Percentage of perseverative errors;
Categories Completed	Number of correctly completed
58	categories
Conceptual Level Responses	Number of consecutive correct
201101ptim 20101ptim	responses in ≥ 3 runs
Controlled Oral Word Association Test (COWAT)	Words produced in 1 minute
Sustained Attention (α = .84, 3 tests)	,, ords produced in 1 initiation
Continuous Performance Test-Identical Pairs (CPT-IP)	
2-, 3-, and 4-digits	d' (for all stimulus sets)
Processing Speed ($\alpha = .81, 4 \text{ tests}$)	w (for wit summarus sees)
Trails Making Test, Part A and B	Time to complete trails
WISC-III/WAIS-R Digit Symbol Coding	Symbols accurately coded in 2
Wise in Wins Resigned Financia	minutes
Symbol cancellation test	Time to compete cancellation
Motor Speed ($\alpha = .75$, 4 tests)	Time to compete cancentation
Finger Tapping Test, Dominant and Nondominant hand	Taps in 10 seconds, over 5 blocks
scores	Taps III To seconds, over 5 blocks
Grooved Pegboard Test, Dominant and Nondominant	Time to place pegs
hand scores	Time to place pegs
Visuo-Spatial Processing (α = .63, 2 tests)	Lines accumately metabod
Judgment of Line Orientation	Lines accurately matched
WAIS-R/WISC-III Block Design	Correctly reconstruct blocks to
T (02.24.4)	match patterns on cards
Language ($\alpha = .82, 3 \text{ tests}$)	
Wide Range Achievement Test-III (WRAT-III) Reading	Total score for words read
	correctly
Boston Naming Test	Number of correctly named items
WAIS-R/WISC-III Vocabulary	Number of words orally defined

Data Supplement for Cornblatt et al., Psychosis Prevention: A Modified Strategy for Selecting Individuals at Clinical High Risk for Psychosis. Am J Psychiatry (doi: 10.1176/appi.ajp.2015.13121686)

TABLE S2. Potential Predictor Domains and Individual Variables for the Multivariable Logistic Regression Models

Domain	Variables
Demographics	Age at baseline
	Level of education
	Parental socio-economic status (SES)
	Gender
	Handedness
	Race
	Ethnicity
	First-degree relative with Psychosis
Intellectual Functioning	Estimated Current IQ
Neurocognitive	Processing speed
Performance	Verbal memory
	Executive function
	Working memory
	Visuo-spatial processing
	Motor speed
	Sustained attention
	Language
Positive Symptoms, SOPS	5 Symptoms:
	1. Unusual Thought Content
	2. Suspiciousness
	3. Grandiosity
	4. Perceptual Abnormalities
	5. Disorganized Communication
	Absolute number of symptoms greater than 2, level 3, and level
	4
	Total Positive Score (raw score; cutoff > 15)
Negative Symptoms, SOPS	4 Symptoms:
	1. Social Isolation
	2. Avolition
	3. Expression of Emotion
	4. Experience of Emotion and Self
	5. Ideational Richness
	6. Occupational Functioning
	Absolute number of symptoms greater than 2, level 3, and level
	Total November Comments of the 12
	Total Negative Score (raw score; cutoff > 13)

Continued

Disorganized Symptoms,	4 Symptoms:
SOPS	1. Odd Behavior or Apperance
5015	2. Bizarre Thinking
	3. Trouble with Focus and Attention
	4. Hygiene Social Attentiveness
	Absolute number of symptoms greater than 2, level 3, and
	level 4
C C C C C C C C C C C C C C C C C C C	Total Disorganized Score (raw score; cutoff > 4)
General Symptoms, SOPS	4 Symptoms:
	1. Sleep Disturbances
	2. Dysphoric Mood
	3. Motor Disturbances
	4. Impaired Tolerance to Normal Stress
	Absolute number of symptoms greater than 2, level 3, and
	level 4
	Total General Score (raw score; cutoff > 6)
Total score, SOPS	Raw score; cutoff > 41
	Absolute number of symptoms greater than 2, level 3, and
	level 4
Social and Role Functioning	Baseline GF: Social
	Baseline GF: Role
	GF: Social or Role deterioration of 10%
	GF: Social or Role deterioration of 30%
	Global Assessment of Functioning (GAF)
Diagnostic Comorbidity: Axis	DSM-IV diagnoses:
1	Any mood disorder
	Any anxiety disorder
	Any mood or anxiety
	Any substance abuse disorder
	Major depressive disorder
	Generalized anxiety
	Agoraphobia
	Obsessive-compulsive disorder
	Panic
	Social phobia
	Cannabis
	Alcohol
	Nicotine
Diagnostic Comorbidity: Axis	DSM-IV diagnoses:
2	Paranoid
	Schizoid
	Schizotypal