

# TRANSDIAGNOSTIC STRUCTURE OF AFFECTIVE AND Non-AFFECTIVE PSYCHOSIS SYMPTOMS

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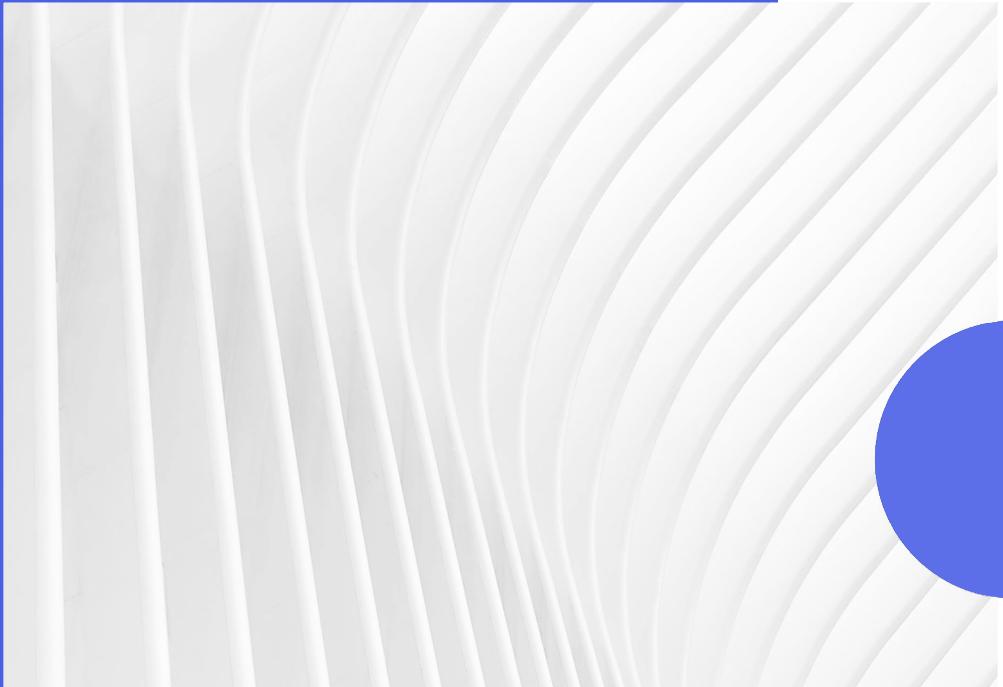
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# INTRO



- Previous work on psychosis symptoms has largely **emphasized schizophrenia** and other primary psychotic disorders
- However, **mood dysregulation** such as depression and mania often has psychotic features (i.e., “affective” psychosis)
- Research is needed to examine the joint **structure of affective and psychotic** symptoms in transdiagnostic samples

# PATIENTS WITH PSYCHOSIS



**Sample**

N = 1,042



**Age**

M = 36.3 (SD = 12.9)



**Sex**

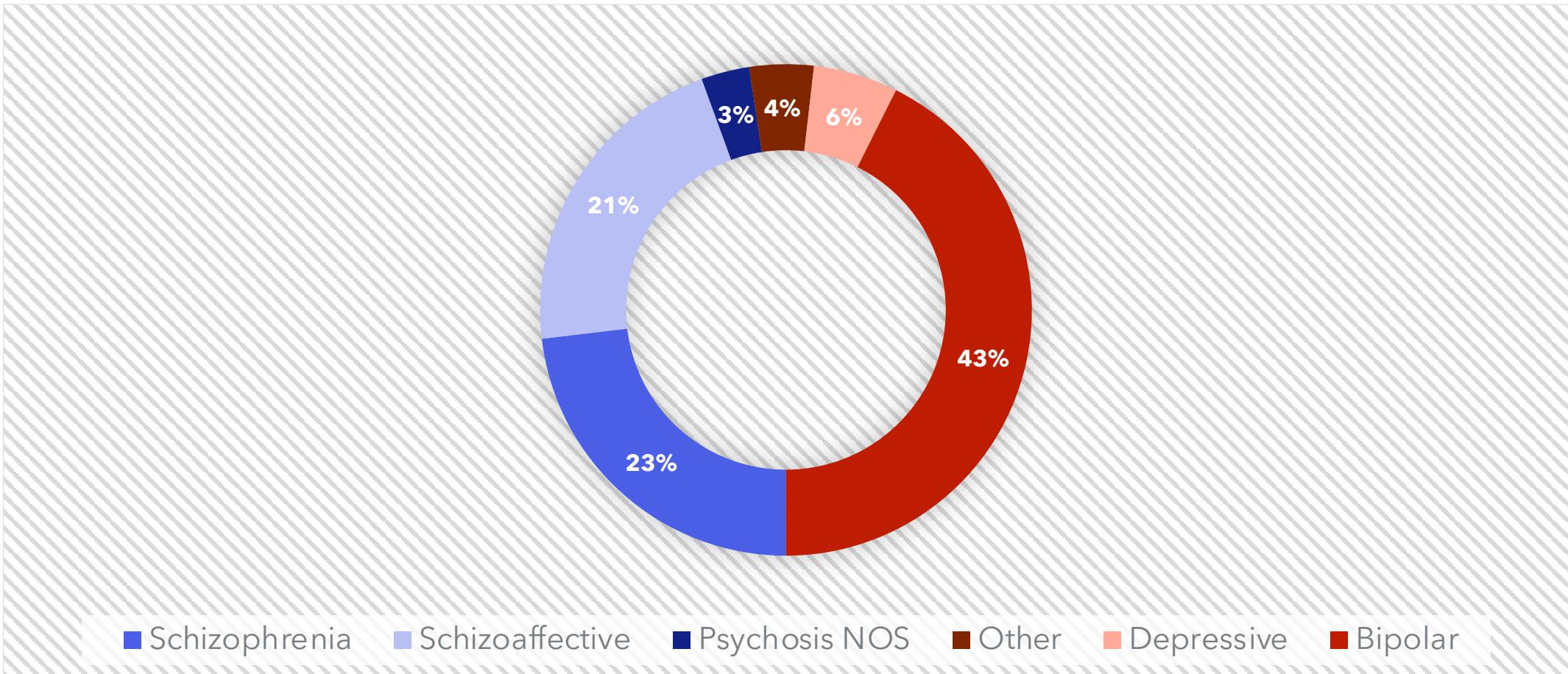
56% Male, 44% Female



**Race**

61% White, 30% Black

# PRIMARY DIAGNOSES



# CLINICAL RATING SCALES



## POSITIVE

- PANSS Positive (7 Items)
  - Delusions
  - Disorganization
  - Hallucination
  - Grandiosity
  - Suspiciousness



## NEGATIVE

- PANSS Negative (7 Items)
  - Blunted Affect
  - Emotional Withdrawal
  - Poor Rapport
  - Lack of Spontaneity
  - Stereotyped Thinking



## AFFECTIVE+

- MADRS (10 Items)
  - Depression
- YMRS (11 Items)
  - Mania
- PANSS General (16 Items)
  - Anxiety, Guilt, ...

# ANALYSIS



1

**Split the data** into **discovery** and **validation** sets for cross-validation

2

**Explore item structure** using PA, BA, EFA, and CFA in discovery set

3

**Propose models** with three types of structure based on discovery set

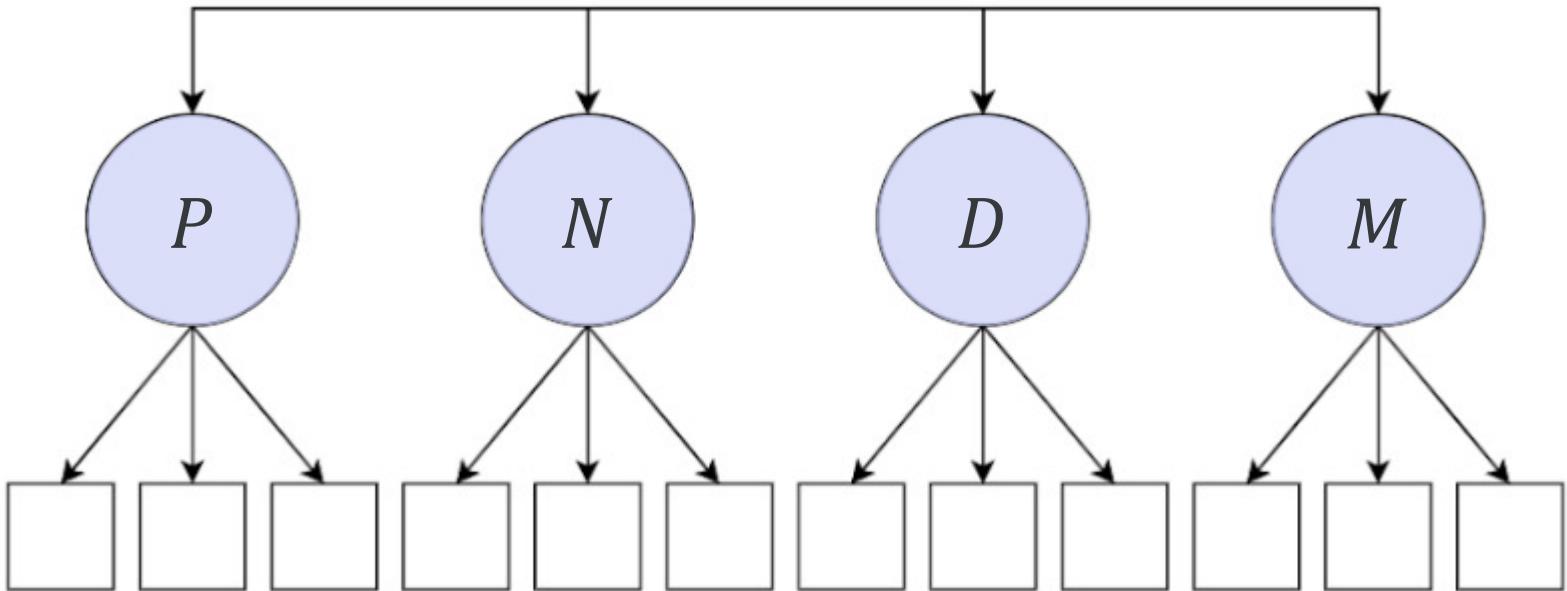
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**Compare models** on fit and coherence in validation set

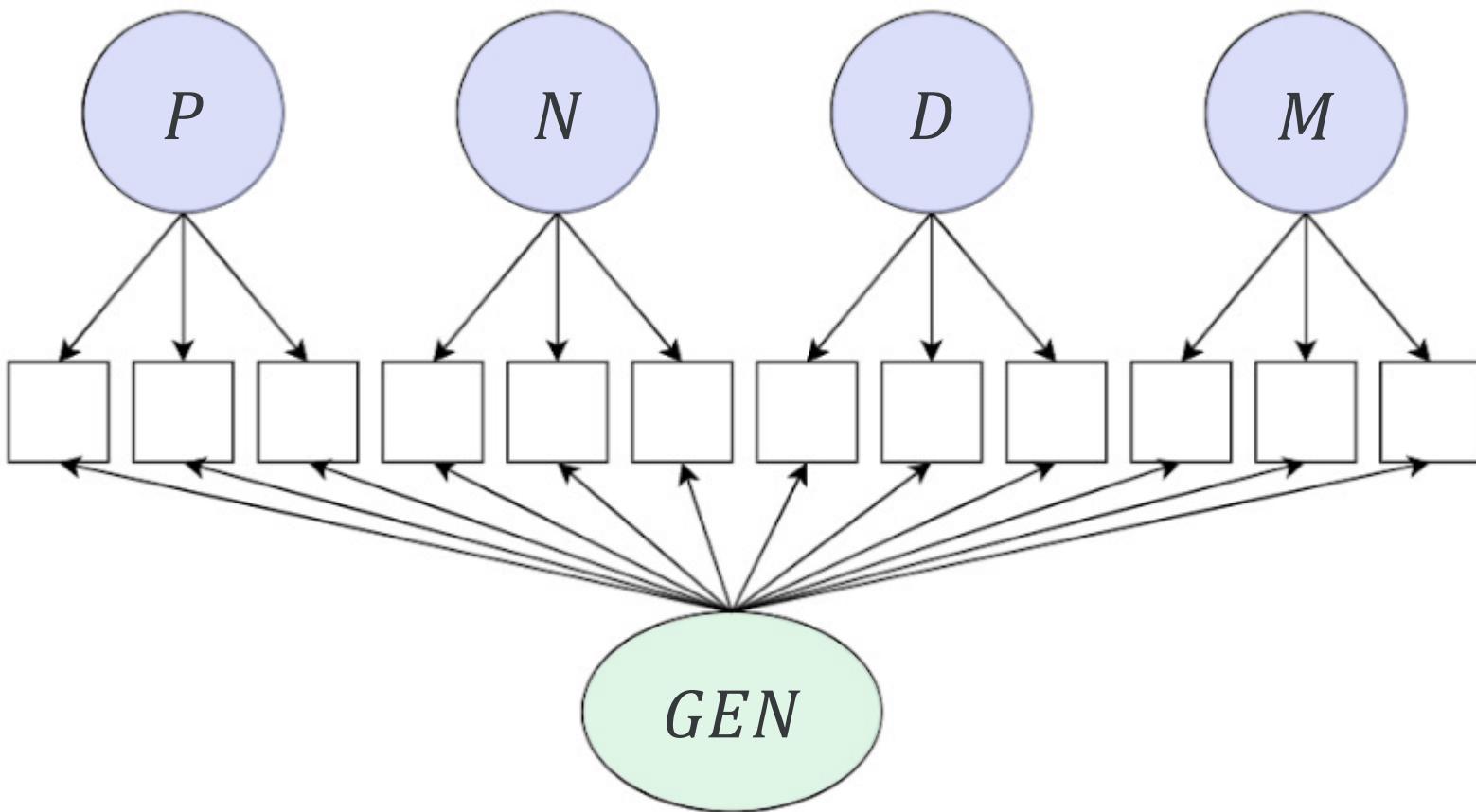
5

**Test criterion validity** of our favorite model in validation set

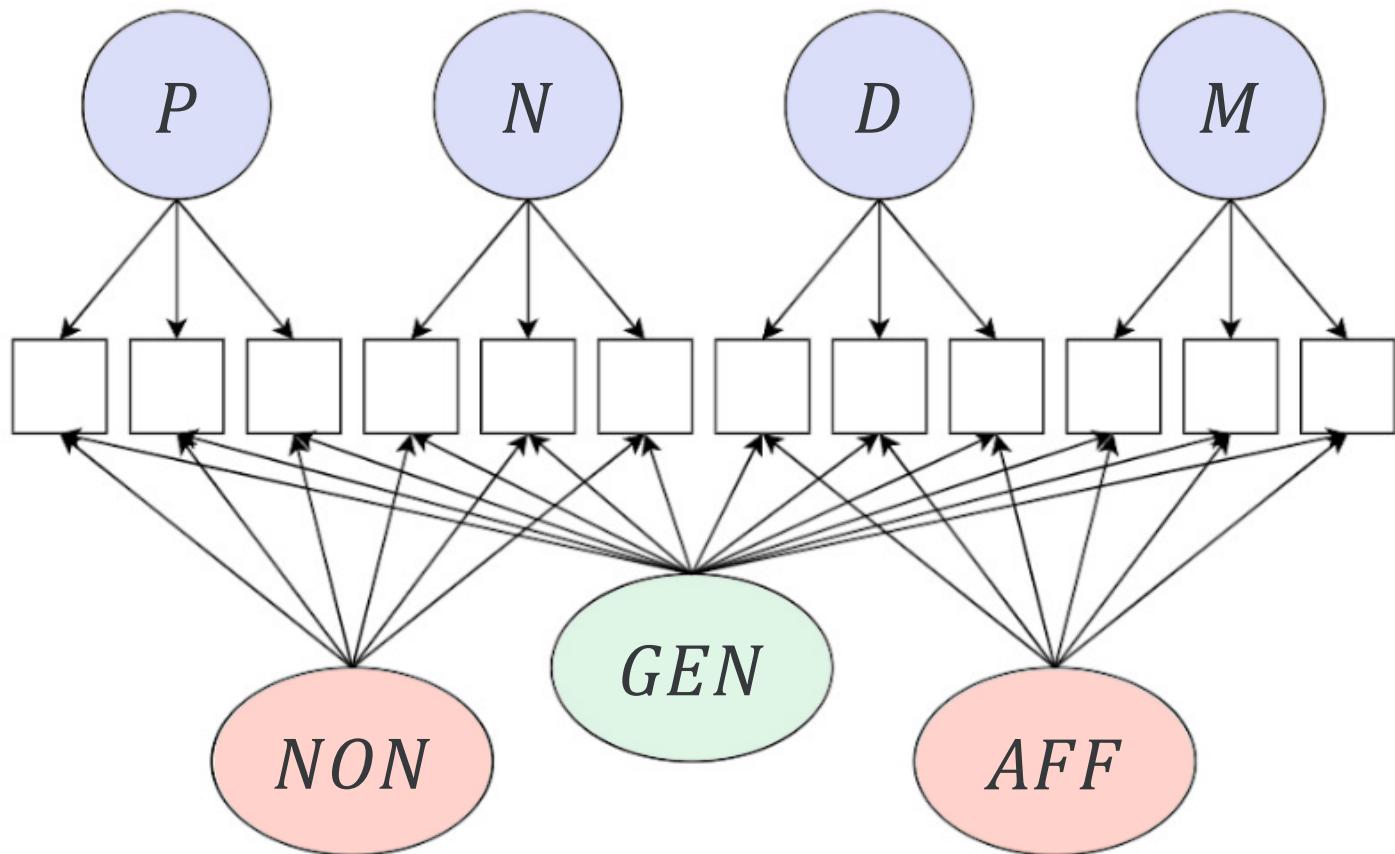
# 1: CORRELATED



## 2: BIFACTOR



# 3: TRIFACTOR



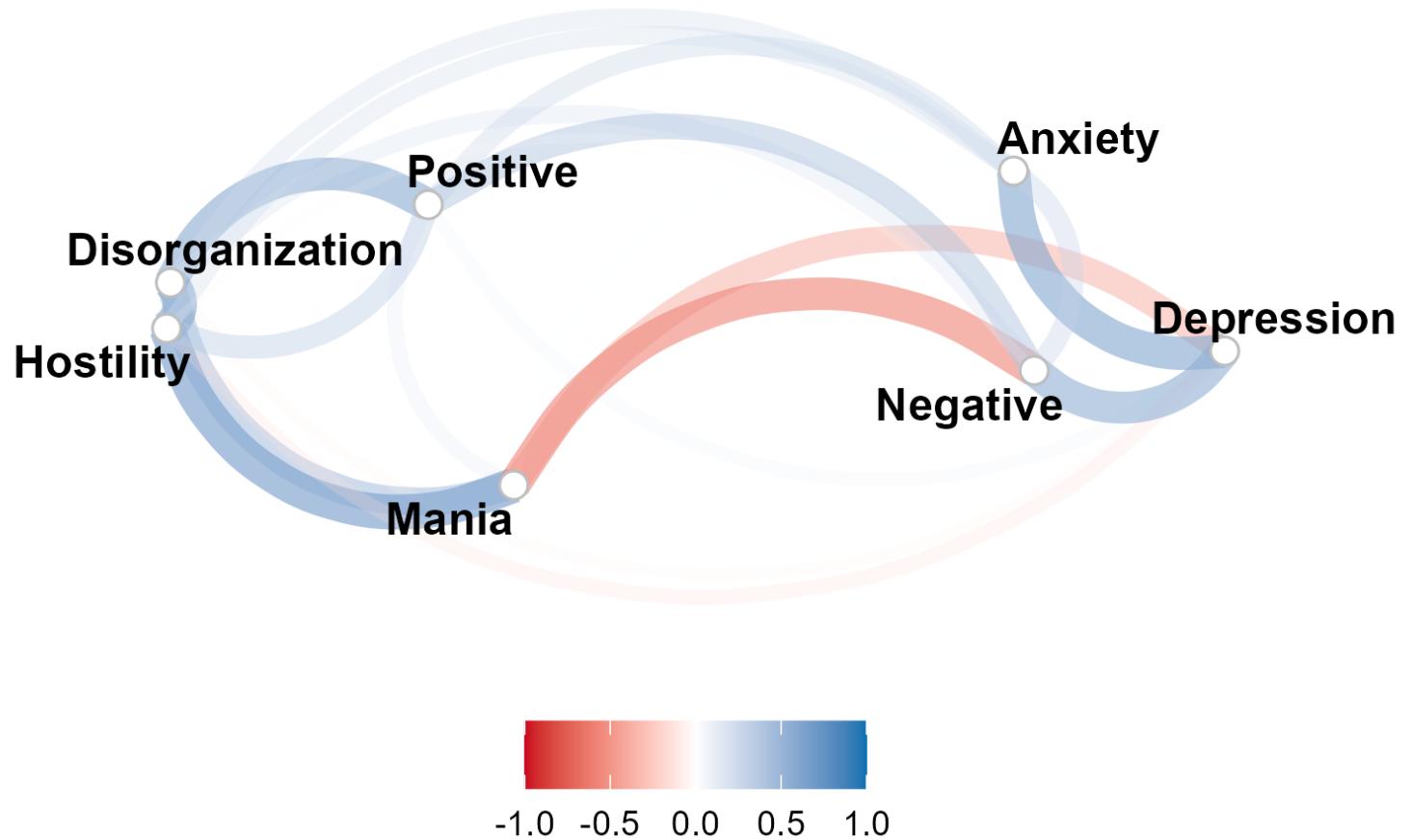
# EFA MODELS IN DISCOVERY

Factors	PA Obs.	PA Sim.	RMSEA	CFI
5	.606	.424	.056	.894
6	.486	.387	.049	.923
7	.377	.359	.044	.941
8	.231	.329	---	---

# SEVEN-FACTOR MODEL

Positive	Delusions, Suspiciousness, Thought content, Hallucinations
Negative	Emotional & Social withdrawal, Blunted affect, Speech flow, ...
Depression	Sadness, Inability to feel, Lassitude, Suicidal thoughts, ...
Mania	Elevated mood, Speech, Activity, Excitement, Grandiosity, ...
Disorganization	Conceptual disorganization, Poor attention, Language
Hostility	Hostility, Irritability, Impulse Control, Uncooperativeness
Anxiety	Inner tension, Anxiety, Tension

# FACTOR CORRELATIONS

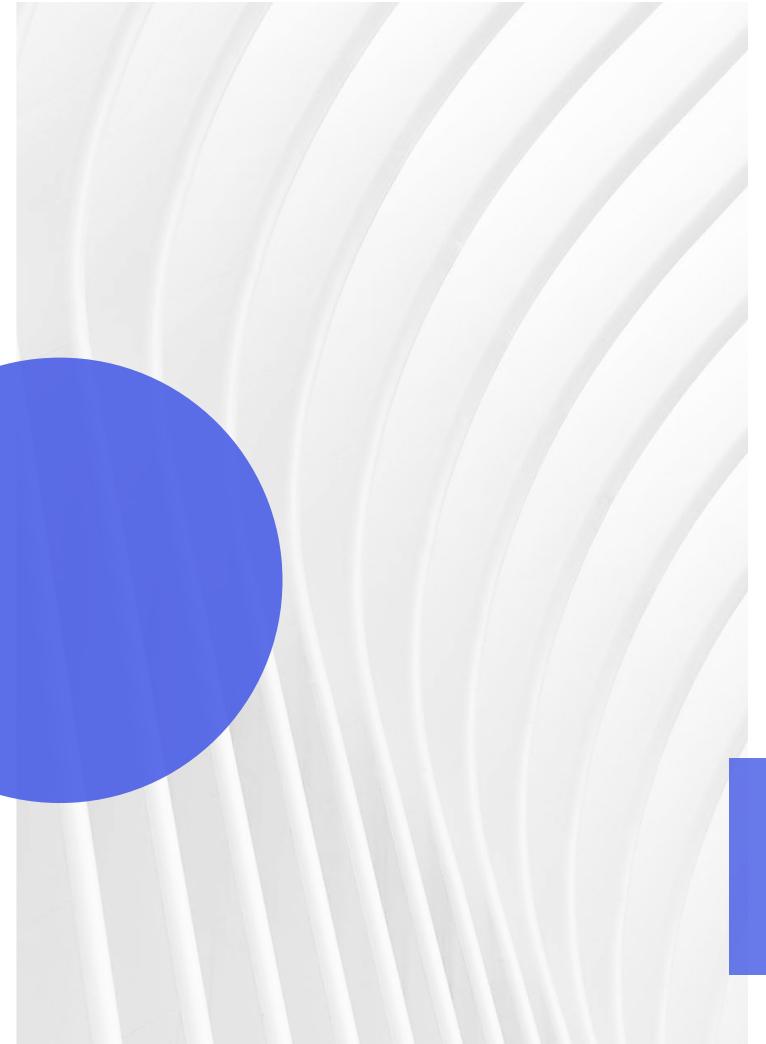


# CFA MODELS IN VALIDATION

Model	BIC	RMSEA	CFI	Coherence
Correlated (7)	<b>27452</b>	.061	.956	<b>High</b>
Bifactor (1+7)	28022	.081	.923	Low
Trifactor (1+2+7)	27824	<b>.059</b>	<b>.964</b>	Low

# CONCLUSIONS

- A CFA model with **seven correlated factors** generalized to new data and had high coherence
- There was **not strong support for a general factor** of psychosis in this sample and collection of items
- We found an **unexpected pattern of correlations** that did not match affective vs. non-affective clusters
- Results seem **more consistent with HiTOP** model including thought disorder, mania, and detachment (though new/improved rating scales seem needed)
- Hostility may be more linked to thought disorder than to internalizing in psychosis (i.e., **equifinality**)



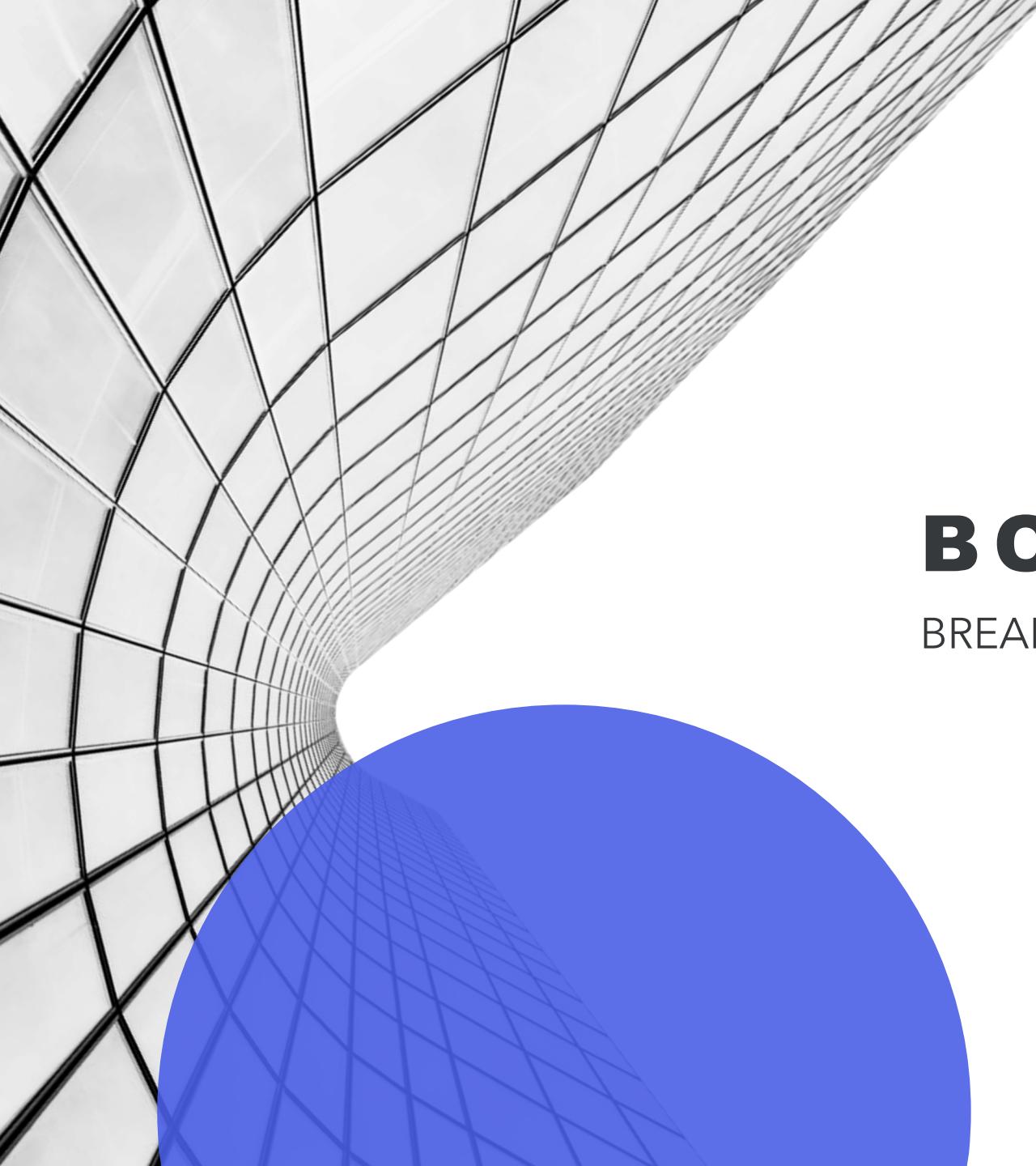


**THANK YOU!**

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# BONUS SLIDES

BREAK GLASS IN CASE OF QUESTIONS

# RELEVANT HITOP CONSTRUCTS

Thought Disorder	Mania	Detachment
<ul style="list-style-type: none"><li>• Psychotic</li><li>• Disorganized</li><li>• Inexpressive</li><li>• Avolition</li> <li>• Eccentricity</li><li>• Cognitive and perceptual dysregulation</li><li>• Unusual beliefs and experiences</li><li>• Fantasy proneness</li></ul>	<ul style="list-style-type: none"><li>• Euphoric activation</li><li>• Hyperactive cognition</li><li>• Reckless overconfidence</li></ul>	<ul style="list-style-type: none"><li>• Anhedonia</li><li>• Depressivity</li><li>• Intimacy avoidance</li><li>• Suspiciousness</li><li>• Withdrawal</li><li>• Interpersonal passivity</li><li>• Disaffiliativeness</li><li>• (low) Attention seeking</li></ul>

# EXTERNAL VALIDATION

Factor	BAI	BDI	MCAS	NAART
Anxiety	.56 ***	.46 ***	-.19 **	.08
Depression	.39 ***	.74 ***	-.17 **	.05
Disorganization	-.05	-.19 **	-.48 ***	-.13 *
Hostility	.11	-.05	-.33 ***	-.05
Mania	.11	-.26 ****	.11	-.01
Negative Symptoms	-.02	.21 *	-.55 ***	.01
Positive Symptoms	.03	-.01	-.45 ***	-.04

Note. BAI = Beck Anxiety Inventory, BDI = Beck Depression Inventory, MCAS = Multnomah Community Ability Scale, NAART = FSIQ Estimate