

# Psychometric Investigation of the Childhood Interview for Borderline Personality Disorder in an Adolescent Inpatient Setting

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## BACKGROUND

- Early identification and treatment of emerging Borderline Personality Disorder (BPD) in adolescence
- Lack of diagnostic measures for adolescents and children
- Interview-based measure of adolescent BPD: **Child Interview for DSM-IV Borderline Personality Disorder (CI-BPD; Zanarini, 2003)**
- Lack of studies examining the psychometric properties of the CI-BPD
- Goal:** Examine psychometric properties of the CI-BPD in an inpatient sample of adolescents ( $N = 245$ )
  - Factor structure of CIBPD
  - Internal consistency
  - Inter-rater reliability
  - Convergent validity (with clinician diagnosis and two questionnaire-based measures of BPD)
  - Concurrent validity (with Axis I psychopathology and deliberate self-harm)

## METHODS

### Participants

- Ages 12-17
- Inpatient adolescent unit
- Consecutive admissions
- $N = 245$

### Measures

#### Borderline Personality Disorder

- CI-BPD; Zanarini, 2003
- Personality Assessment Inventory for Adolescents (Morey, 2007)
- Borderline Personality Features Scale (BPFS; Crick, Murray-Close, & Woods, 2005)
- Clinician Diagnoses of BPD at discharge

#### Axis I Psychopathology

- Youth self-report and Child Behavior Checklist (YSR/CBCL; Achenbach & Rescorla, 2001)
- Deliberate Self Harm Inventory (DSHI; Gratz, 2001)
- Diagnostic Interview Schedule for Children (NIMH-DISC-IV; Shaffer, Fischer, Lucas, Dulcan, & Schwab-Stone, 2000)

## RESULTS

### Confirmatory Factor Analysis

- Adequate fit for one-factor model:
- $\chi^2(27) = 55.22, p < .001$
- RMSEA = .07
- CFI = .96
- TLI = .94

**Table 1.** Descriptives for BPD and non BPD groups, and analyses for Convergent and Concurrent Validity.

Variables	CI-BPD diagnosis						Validity Analyses		
	BPD			No BPD			t	df	p
	N	Mean	SD	N	Mean	SD			
CBCL Internalizing	49	72.45	6.76	132	69.75	7.18	-2.28	181	.02
CBCL Externalizing	49	68.57	7.81	132	64.34	9.94	-3.00	181	.003
CBCL Total	49	71.76	5.52	132	68.23	6.94	-3.20	181	.002
YSR Internalizing	49	67.98	10.85	137	60.69	12.65	-3.59	186	< .001
YSR Externalizing	49	68.65	10.21	137	58.76	10.08	-5.88	186	< .001
YSR Total	49	71.02	8.90	137	61.06	9.91	-6.20	186	< .001
BPFSC Total	46	81.30	14.70	137	62.30	16.74	-6.86	183	< .001
BPFSP Total	46	77.35	15.83	125	70.63	14.77	-2.59	171	.01
PAI-A BOR	42	71.45	11.61	133	57.15	11.05	-7.15	165	< .001
PAI-A BOR-A	42	69.88	9.03	133	56.78	11.33	-6.79	165	< .001
PAI-A BOR-I	42	65.21	11.19	133	55.13	10.94	-5.13	165	< .001
PAI-A BOR-N	42	66.50	10.37	133	56.36	10.76	-5.32	165	< .001
PAI-A BOR-S	42	69.07	15.05	133	55.43	13.93	-5.37	165	< .001
PAI-A Suicidal Ideation	42	75.62	17.78	133	59.79	18.80	-4.78	165	< .001
DSHI	46	5.41	3.39	137	2.72	3.31	-4.74	183	< .001

**Table 2.** Chi-square analyses for Axis I psychopathology.

CDISC Diagnoses	CIBPD Diagnoses		Chi-square analysis	
	BPD ( $n = 49$ )	Non-BPD ( $n = 141$ )	$\chi^2$ ( $df = 1$ )	p
Any Anxiety	67%	47%	5.25	.02
Any Mood	62%	37%	8.08	.004
Any Depressive	57%	36%	5.78	.02
Any Bipolar	14%	7%	2.16	.14
Any Eating Disorder	16%	5%	5.23	.02
Any Externalizing	61%	32%	11.16	.001

### Reliability

- Internal consistency ( $\alpha = .80$ )
- Inter-rater reliability (Kappa = .89)

### Convergent Validity

- Clinician diagnoses (Kappa = .34.  $p < .001$ )
- Table 1 for analyses between CIBPD and other measures of BPD.
- Chi-square analyses with Axis I psychopathology: Table 2

### Concurrent Validity

- Table 1 for results of t-test analyses for CI-BPD with Axis I psychopathology.

## CONCLUSION

- Support for a unidimensional factor structure for the CIBPD similar to findings in adults.
- Validity of CI-BPD demonstrated.

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