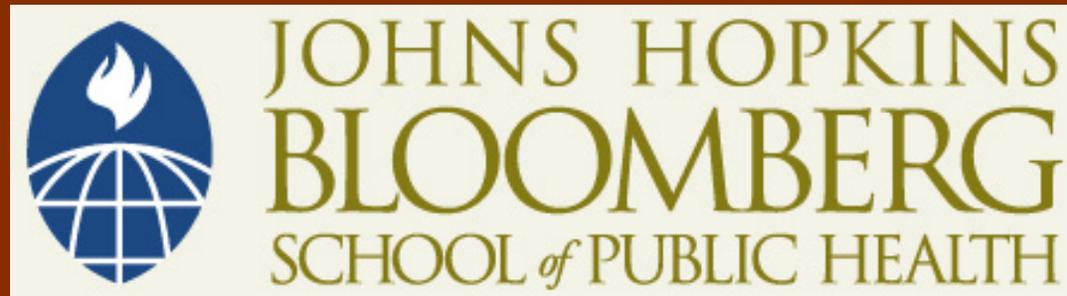


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Section C

How to Test Validity

Use of Ethnographic Methods

- Face validity
 - Independent evidence that illness occurs
 - Information on local terms and perceptions
- Content validity
 - Generates information on locally relevant signs and symptoms
- Criterion validity
 - Identifies local criteria and experts

Local Diagnosis

- Local diagnosis by local people can be used as an alternative to the “gold standard”
- Requires an understanding of local perceptions of mental illness
- Alternative process
 - Determine local equivalent to “disorder”
 - Ask who has/does not have this syndrome
 - Blind interviews
 - Assess relationship discrimination/concordance

Additional Methods

- Compare with standardized instrument
- Compare with clinical diagnosis
- Compare with functional assessment or other known correlates

Acholi Psychosocial Assessment Instrument

Two Tam	Kumu	Par	Kwo Maracao	Ma Lwor
<ul style="list-style-type: none"> ▪ Lots of thoughts ▪ Constant worries ▪ Pain all body ▪ Brain is not functioning ▪ Think self is of no use ▪ Think about suicide ▪ Talk about problems ▪ Sits alone ▪ Lose interest in school ▪ Get headaches ▪ Feel sad ▪ Think of bad things ▪ Do not care if live or die ▪ Don't feel like talking ▪ Forgetful ▪ Weak ▪ Cry continuously 	<ul style="list-style-type: none"> ▪ Loss of appetite ▪ Pain in heart ▪ Sits with cheek in palm ▪ Cries when alone ▪ Does not sleep at night ▪ Talks problems ▪ Lies down all the time ▪ Lots of worries ▪ Headaches ▪ Feels cold ▪ Weak ▪ Doesn't feel like talking ▪ Disobedient 	<ul style="list-style-type: none"> ▪ Lots of thoughts ▪ Wants to be alone ▪ Easily annoyed ▪ Holds head ▪ Lost concentration ▪ Drinks alcohol ▪ Think about suicide ▪ Doesn't greet people ▪ Sits alone ▪ Lots of worries ▪ Doesn't think straight ▪ Mutter to myself ▪ Doesn't trust ▪ Can't do anything to help self ▪ Insult friends ▪ Disobedient ▪ Weak ▪ Cry continuously 	<ul style="list-style-type: none"> ▪ Fights ▪ Uses bad language ▪ Is disrespectful ▪ Misbehaves ▪ Drink alcohol ▪ Loses interest in school ▪ Disinterested ▪ Deceitful ▪ A rough person ▪ Uses drugs ▪ Disobedient 	<ul style="list-style-type: none"> ▪ Clings to elders ▪ Thinks has no future ▪ Constantly running ▪ Doesn't like noise ▪ Fast heart rate ▪ Fear being alone ▪ Loss of appetite ▪ Wants to be alone ▪ Does not sleep at night ▪ Drinks alcohol ▪ Doesn't greet people ▪ Thinks people are chasing

APAI: Validity Study

- Validity study implemented with
 - Self-report
 - Caregiver report
- Compared with
 - The Strengths and Difficulties Questionnaire (Goodman, 1997)— standardized Western measure of emotional and behavioral problems in children and adolescents

Triangulation of Informants

- Use multiple-informants to identify “cases” and “non-cases” and look for agreement
- Informants
 - Caregivers
 - Self

Determination of Local “Caseness”

- Options for defining “caseness”
 - Both child and caregiver agreed on presence of syndrome for at least one month
 - Caregiver *or* child reporting the child having the syndrome for at least one month
 - Both agreeing that syndrome is present—but may differ on which “sub”-syndrome (i.e., one of the three depression syndromes)
 - All cases demonstrated some degree of functional impairment (child reported)

Psychometric Properties of the Child APAI

- Inter-rater and test-retest reliability
 - Test-retest: $r = .84$ for the total depression score/total score
 - Inter-rater: $r = .84$ for the total depression score/ $r = .74$ for total score

Psychometric Properties of the Child APAI

- Internal consistency reliability
 - Cronbach's alpha coefficients: ranged from 0.67 to 0.85 for each subscale, for a total APAI score of 0.93

Psychometric Properties of the Child APAI

- Correlations between subscales
 - Depression-like scales and *malwor* exhibited positive and high correlations $r = 0.57$ to $r = 0.95$
 - Prosocial subscale correlated inversely with the all subscales

Syndrome-Specific Analyses

APAI subscale	Total	Mode	M (SD)	Concordance	
				Presence of syndrome	Absence of syndrome
	Range			M (SD)	M (SD)
Two Tam	1-43	14	16.38 (7.69)	21.36 (7.87)	13.25 (6.42)
Kumu	0-35	10	12.58 (6.76)	15.77 (6.29)	7.67 (5.06)
Par	0-40	10	13.58 (7.17)	16.24 (6.86)	7.75 (5.78)
Ma lwor	0-29	6	8.62 (4.79)	10.47 (4.88)	6.49 (4.05)
Kwo Maraco	0-21	0	2.34 (3.13)	7.03 (5.15)	1.79 (2.35)
APAI total depression*	2-87	30	32.07 (15.55)	37.20 (14.75)	16.64 (10.05)
APAI total score**	3-125	31	39.79 (19.19)	45.54 (18.70)	20.89 (11.88)

*1 out of 3 depression syndromes

**1 out of 5 APAI syndromes

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Use of Validation Data

1. Evaluate the psychometric properties of the instrument (using full sample screened, N=667)
2. Generate cut-off score for study eligibility (N=178)

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Consequences of Lack of Validity

- Misclassification
- Incorrect intervention selection
- Inadequate evaluations

Summary

- Adaptation includes identifying equivalent terms and phrases and selecting local items that might not appear in the standard measure
- Validation is difficult—without a gold standard, it is necessary to use multiple methods to test different types and criteria