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Objective



- After previewing, the student should be able to do the following:
 - Define validity.
 - Identify the purposes of validity.
 - Begin to evaluate the validity of measurement tools.

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Validity



- The degree to which an instrument measures what it is supposed to measure
- Four aspects of validity:
 - Face validity
 - Content validity
 - Criterion-related validity
 - Construct validity

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Face Validity



- Refers to whether the instrument looks as though it is measuring the **appropriate** construct.
- Based on **judgment**, no objective criteria for assessment.

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Content Validity

- The degree to which an instrument has an appropriate sample of **items for the construct** being measured.
- Evaluated by **expert** evaluation, via the content validity index (CVI).

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Construct Validity

Concerned with the questions:

- What is this instrument **really measuring**?
- Does it **adequately** measure the **construct** of interest?

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Methods of Assessing Construct Validity

1. Known-groups technique
2. Relationships based on theoretical predictions
3. Multitrait–multimethod matrix method (MTMM)
4. **Factor analysis**: concept

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Criteria for Assessing Screening / Diagnostic Instruments

1. **Sensitivity**: the instrument's ability to correctly identify a "case".
2. **Specificity**: the instrument's ability to correctly identify non-cases, that is, to screen out those without the condition .

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Q & A