Moving Beyond Picture Naming: The Next Generation of Oral Language IGDIs

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Introduction

• The Picture Naming (PN) Individual Growth and Development Indicator (IGDI) is a widely used general outcome measure (GOM) of oral language development in young children.

• Current PN uses:
  • general screening
  • examining broad scale growth in language development

• Current PN format lacks sensitivity needed for accurately monitoring progress in language development.

• PN only captures growth in vocabulary. Other constructs also important predictors of literacy outcomes.

• This poster describes the process used to develop and research an extended battery of oral language IGDIs.

Methods

• Comprehensive literature review completed.
  • Operational definition of oral language developed.
  • Used to develop additional measures of preschool oral language skills.

• Six oral language IGDI measures were developed, piloted, revised and subjected to field testing with a small sample of preschool aged children (n = 55).

• Children were given IGDIs, the PPVT, and the PLS.

Operational Definition

Oral Language is the ability to use words to communicate ideas and thoughts and to use language as a tool to communicate.

• Expressive language: the use of words to express meaning.

• Receptive language: the ability to listen, process, and understand the meaning of spoken words.

Results: Descriptive

<table>
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<th>Measure</th>
<th>N</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Mean</th>
<th>Std. Deviation</th>
<th>Skewness</th>
<th>Kurtosis</th>
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<tr>
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<td>36</td>
<td>21.45</td>
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<td>21.45</td>
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</tbody>
</table>

More Results

• Distributions were normal for 4 of the 6 measures
• Four measures (Def. Vocabulary, WODB, Picture Naming and Point-to-Picture) significantly correlated with age (r = .39-.65).
• Criterion validity correlation coefficients ranged from: .312-.698 for the PPVT .241 -.790 for the PLS

Discussion

• The most robust measures were:
  • Definitional Vocabulary with Pictures
  • Picture Naming
  • Which One Doesn’t Belong

• These tasks are currently being used within a multi-state, large sample study to further examine their psychometric properties.

• Item level analysis will help us further refine the oral language IGDIs such that they provide information at the essential decision points.

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