

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.

Picture Naming



Child says the name of the picture (1 min)

Definitional Vocabulary with Pictures



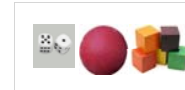
Child looks at answers a question about the object in the picture (1 min)

Definitional Vocabulary w/o Pictures



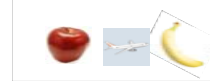
Child answers a question about a noun without a visual prompt (1 min)

Point-to-Picture



Child points to the picture of the word the administrator says aloud (1 min)

Which One Doesn't Belong



Child points to the picture that is different from the other pictures (2 min)

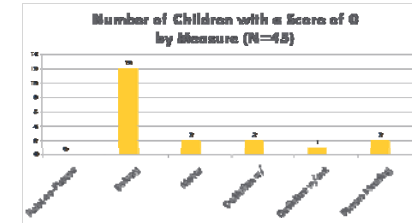
Motor Instructions



[" Jump "]
Child performs the action (30 sec)

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.

Results: Descriptive

	N	Minimum	Maximum	Mean	Std. Deviation	Skewness	Kurtosis
Point-to-Picture	55	6	34	16.45	5.301	1.062 (.322)	1.481 (.634)
Belong	55	0	26	11.05	7.754	-.028 (.322)	-.955 (.634)
Motor	55	0	26	8.60	4.353	.894 (.322)	3.697 (.634)
Def w/	27	0	16	8.74	3.889	-.687 (.448)	.576 (.872)
Def w/o	28	0	21	10.86	4.696	.078(.441)	.429 (.858)
Picture Naming	55	0	40	21.45	8.882	-.513 (.322)	.079 (.634)