

# 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



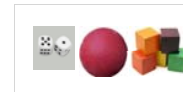
Child looks at answers a question about the object in the picture (1 min)

## Definitional Vocabulary w/o Pictures



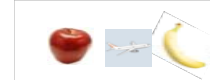
Child answers a question about a noun without a visual prompt (1 min)

## 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)

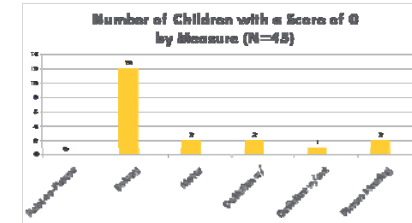
## Motor Instructions



[ " 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)