# Using Narrative Retell Tasks to Assess Change in Language Ability

one frog too many

# Following Language Intervention

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## Introduction-----

- SLPs at the Upper Grand District School Board (UGDSB) developed a literacy based intervention program called Language Intervention Through Engaging Stories (LITES).
- Pilot study: standardized language pre and post-intervention measures did not capture the changes in language ability that SLPs were noticing in participants<sup>1</sup>. A task more sensitive to short-term, iterative change in narrative skills was needed.
- The program gathered a language sample during assessment using One Frog Too Many<sup>2</sup>. An equivalent measure for re-test was needed.
- A practice-based research partnership was formed to address these questions. **Substudy 1**
- Are One Frog Too Many and Frog Goes To Dinner<sup>3</sup> equivalent measures of narrative retell?
- To what extent is performance on these narrative tasks related to measures of language and non-verbal cognition?

### Substudy 2

• Are the narrative tasks sensitive to changes in language ability of children who have received the intervention?

#### Methods Substudy 1

# Participants:

- Control: 11 participants ages 5;0 to 10;6
- LITES program: 16 participants ages 5;3 to 8;2

#### Standardized Measures:

• CELF<sup>4</sup>, the MASA<sup>5</sup> and the WASI<sup>6</sup>.

#### Narrative Retell Tasks:

• One Frog Too Many and the Frog Goes To Dinner, one week apart, order varied.

## Substudy 2

#### Participants:

• Existing data from 66 participants ages 4;9 to 6;0 who participated in the LITES program was analyzed.

#### Narrative Retell Tasks:

• All participants had undergone a pre and post-intervention narrative retell task. (One Frog Too Many and Frog Goes To Dinner, order varied)

## Results-

Substudy 1:

# Comparing narrative retell tasks

Measure	OFTM Mean	FGTD Mean	t value	p value
% Main events	56%	49%	0.5	n.s.
% Supporting events	29%	31%	0.9	n.s.
Total number of utterances	21	24	0.9	n.s.
MLU	8.3	8.0	0.5	n.s.
% Grammatically correct utterances	88%	85%	0.5	n.s.
% Accuracy on questions	68%	72%	0.8	n.s.

# Correlations between narrative retell and standardized measures

	CELF CLS	MAVA-E	MAVA-R	WASI-BD	WASI-MR
% Main Events	0.4*	0.7**	0.5*	0.3	0.3
% Supporting Events	0.4	0.6**	0.5*	0.1	0.2

\*p<0.05, \*\*p<0.01

#### What does this mean?

- The narrative retell measures do not differ in terms of the type of language sample that they elicit.
- Performance on these tasks is correlated with standardized measures of oral language, expressive vocabulary, and receptive vocabulary.

# Substudy 2: Capturing change in language ability following intervention

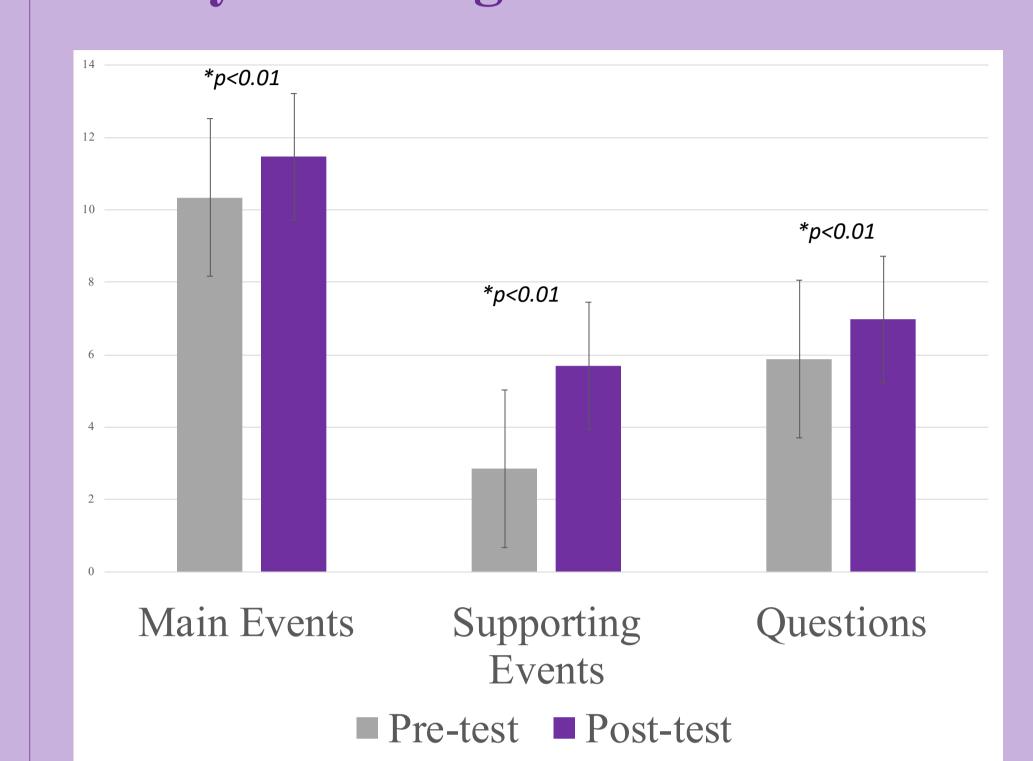


Figure 1. Comparing narrative retell task scores pre and post LITES intervention.

#### What does this mean?

- Participants performed significantly better on narrative retell tasks on post- compared to pre-intervention.
- Limitation: No control group or control measures.

# Implications-----

The results demonstrate the utility of narrative retell tasks as measures of change in language ability as a result of intervention. Additionally, results thus far indicate a positive improvement in language ability in children who participated in LITES, and lay the groundwork for additional studies evaluating the program.

#### References

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