

Content coverage and other measures of L2 speaking and listening proficiency in integrated tasks

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Background of Study

 Many proficiency tests for young ELLs include integrated speaking tasks involving listening to a text and then retelling or summarizing it

- How well ELLs understand the content of the listening material
- How well the comprehension of the content is reflected in the spoken response

Important in Measurement of Speaking Ability

 Despite its importance, little research on understanding how content of source materials is reflected in young ELLs' speech (Hsieh & Wang, 2017)



Background of Study

How do ELLs of different grade bands and proficiency levels represent the content of listening passages in their spoken responses?

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Background of Study

 Many proficiency tests for young ELLs include integrated speaking tasks involving listening to a text and then retelling or summarizing it

What is the relationship between L2 oral proficiency and the ability to perform Listen-Retell tasks?

is reflected in the spoken response

 Despite its importance, little research on understanding how content of source materials is reflected in young ELLs' speech (Hsieh & Wang, 2017)



Research Questions

How do ELs of different grade bands and proficiency levels represent the content of listening passages in their spoken responses?

1. Do ELLs at varying levels of L2 oral proficiency represent different **amounts of content** in their listen-retell tasks?

Prompt Type **Narrative**

Expository

Grade Band **Grades 1-2**

Grades 3-5

Grades 6-8



Research Questions

How do ELs of different grade bands and proficiency levels represent the content of listening passages in their spoken responses?

2. Do ELLs of varying levels of L2 oral proficiency demonstrate difference in levels of performance on **content** and **language use**?

Prompt Type Expository

Grade Grades 1-2 Grades 3-5

Band Grades 1-2 Grades 3-5

Grades 6-8



Research Questions

What is the relationship between L2 oral proficiency and the ability to perform Listen-Retell tasks?

3-a. What do the measurement models tell us about the variables and their relationships?

3-b. What does the structural portion of the model tell us about the relationship between L2 Oral Proficiency and L2 Listen & Retell?

Grade Band **Grades 1-2**

Grades 3-5

Grades 6-8

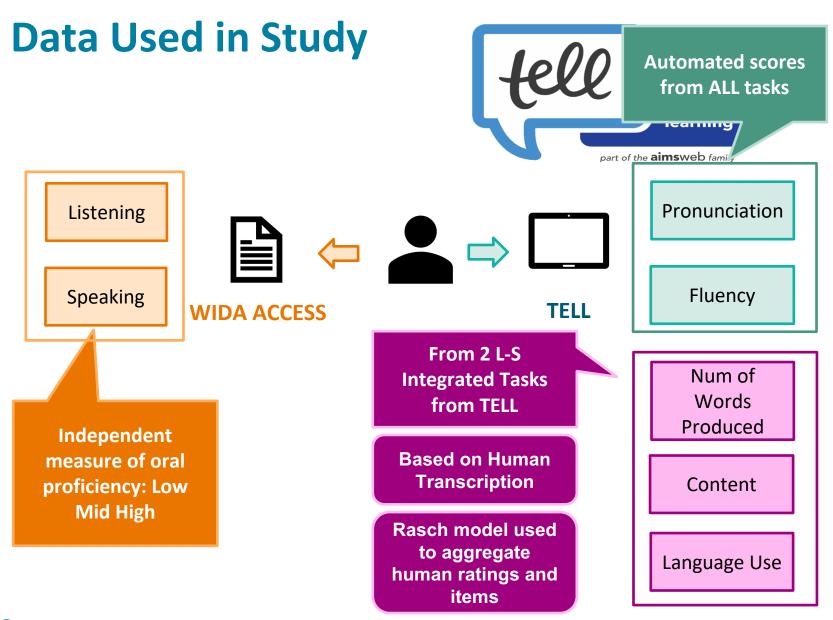


Participants

- ELLs from 10 different states
- Majority of students speak Spanish as L1 (70%)

Grade band	n
1-2	181
3-5	270
6-8	166
9-12	159
Total	776







Integrated L-S Tasks

Three images presented one at a time

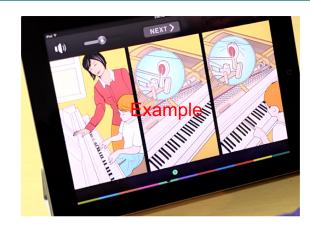
rative Prompt

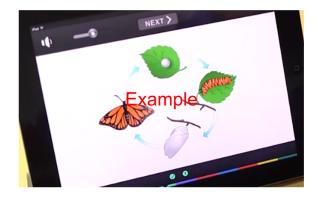
Expository Prompt

Task 1

Video

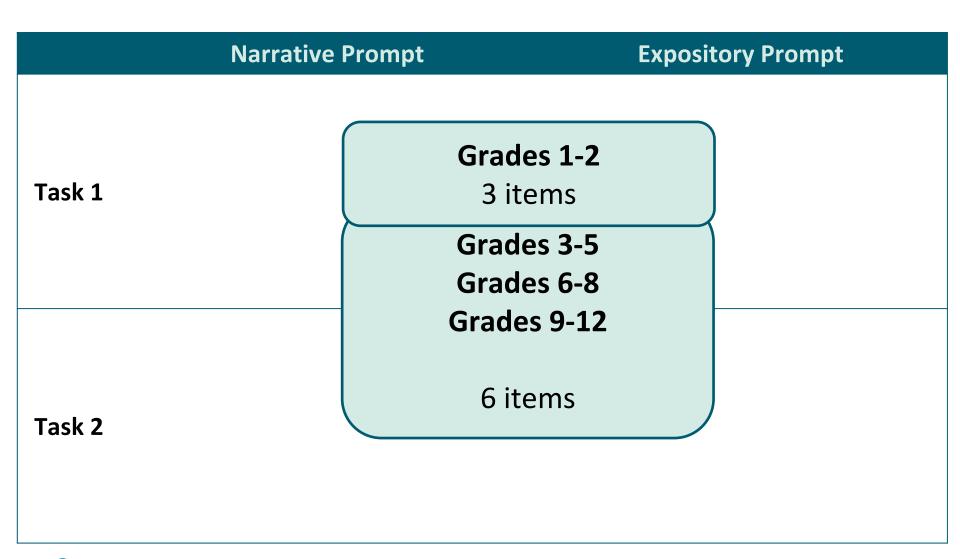
Task 2







Integrated L-S Tasks





Content & Language Use Rubric

- Scale of 0 to 3
- **Content**: the quality of the content (i.e., how well the important ideas from the text were represented)
- Language Use: the effective and accurate use of English language including the coherence of the response (c.f., selection and sophistication of vocabulary usage was not included)



Three Analyses

1. Amount of Content

Repeated measures ANOVA: Words produced by prompt type (within-subject) and oral proficiency level (betweensubject) by grade band

2. Quality of Content and Language Use

Repeated measures ANOVA: Human ratings by trait (within-subject), prompt type (within-subject) and oral proficiency level (between-subject) by grade band

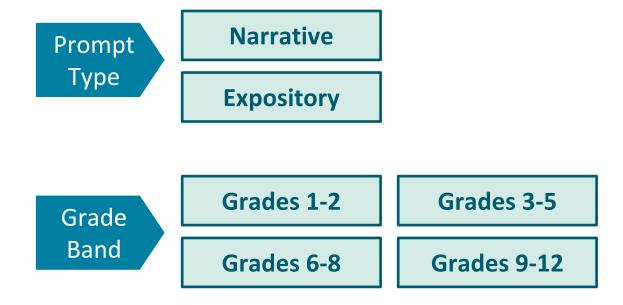
3. Relationship of L2 Proficiency measures

Structural equation model including all measures plus fluency and pronunciation measures by grade band



Amount of Content

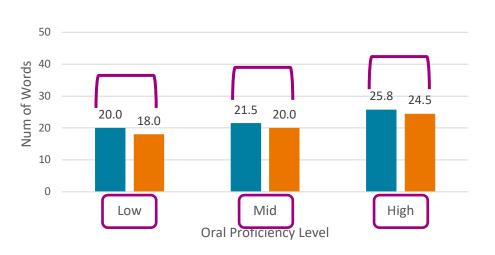
1. Do ELs at varying levels of L2 oral skills represent different amounts of content in their re-telling tasks?





Expository

Grades 1-2



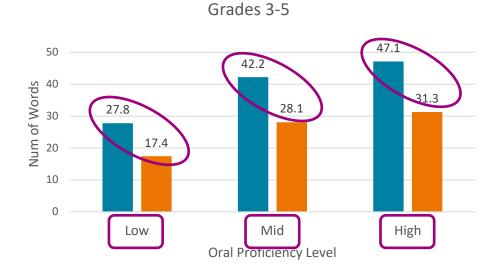
- The higher the oral proficiency level, the more the content produced $(\eta_p^2 = .066)$
- No difference between prompt types
- No difference between prompt type among oral proficiency



Number of Words Produced

- Narrative
- Expository

- The higher the oral proficiency level, the more the content produced (η_p^2 = .179)
- More words produced from Narrative prompt than from Expository prompts $(\eta_p^2 = .398)$
- No difference between prompt type among oral proficiency



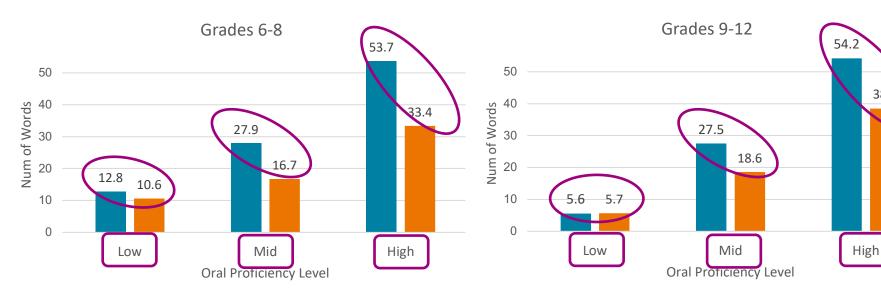


Number of Words Produced

■ Narrative

Expository

38.5



- The higher the oral proficiency level, the more the content produced (η_p^2 = .371)
- More words produced from Narrative prompt than from Expository prompts $(\eta_{\rho}^{2}=.402)$
- The difference between narrative and expository increases ad the oral proficiency gets higher (η_p^2 = .223)

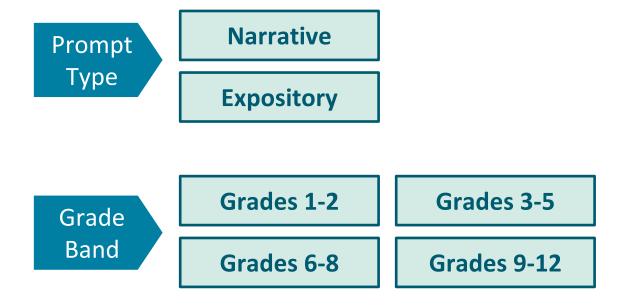
- The higher the oral proficiency level, the more the content produced (η_p^2 = .552)
- More words produced from Narrative prompt than from Expository prompts $(\eta_p^2 = .215)$
- The difference between narrative and expository increases ad the oral proficiency gets higher (η_p^2 = .148)

Amount of Content

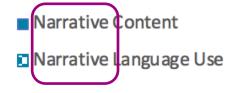
- Students at higher levels of oral proficiency generally produced more content
 - The differences among the levels were quite small for grades 1-2 students, larger for grades 3-5, very large for grades 6-8 and grades 9-12
- Narratives yielded far more words than expository prompts at all grades except 1-2

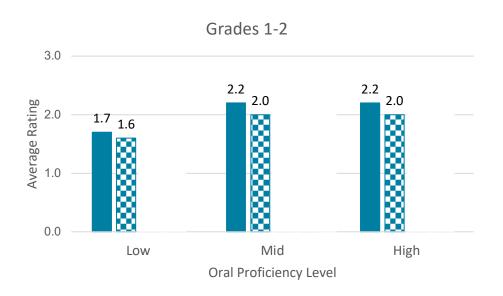


2. Do ELs of varying levels of L2 oral proficiency demonstrate difference in levels of performance on **content** and **language use**?



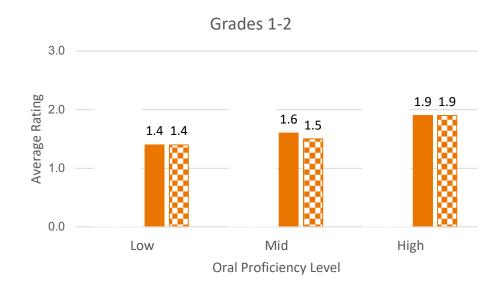








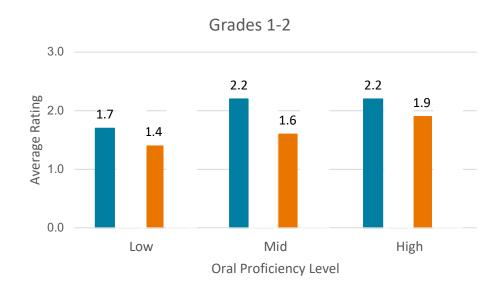






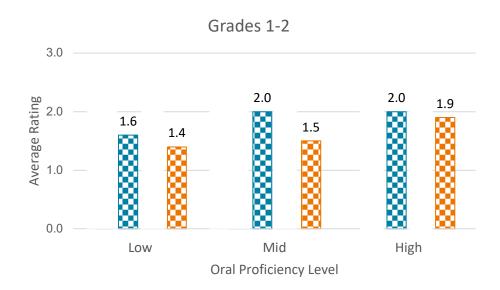








Narrative Language UseExpository Language Use



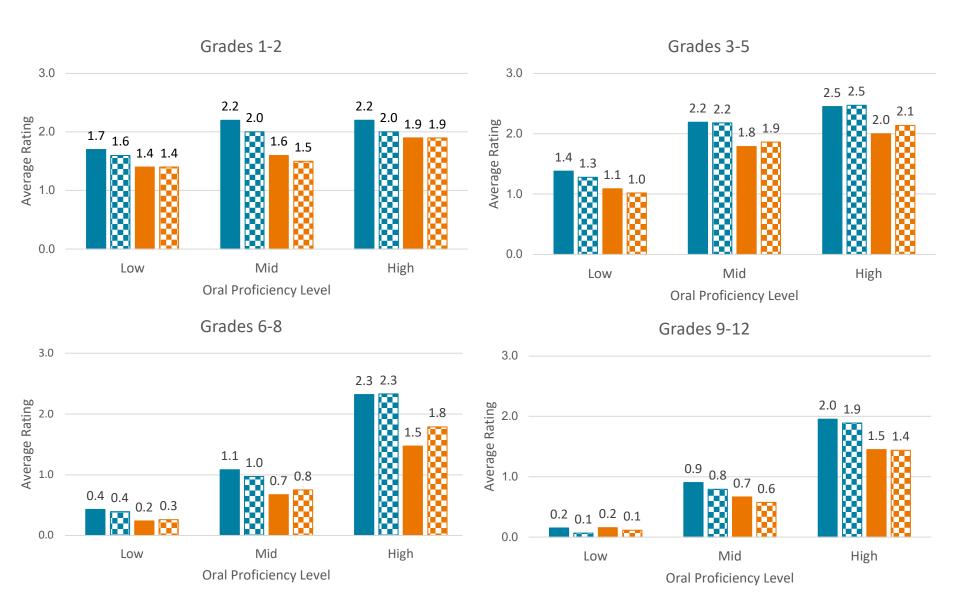


■ Narrative Language Use

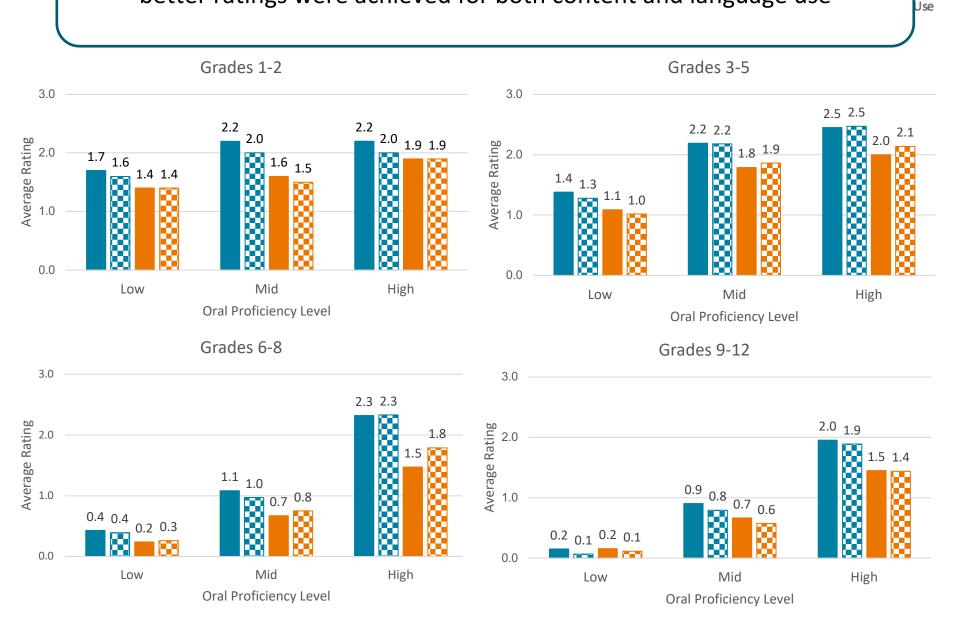
Expository Content

■ Narrative Content

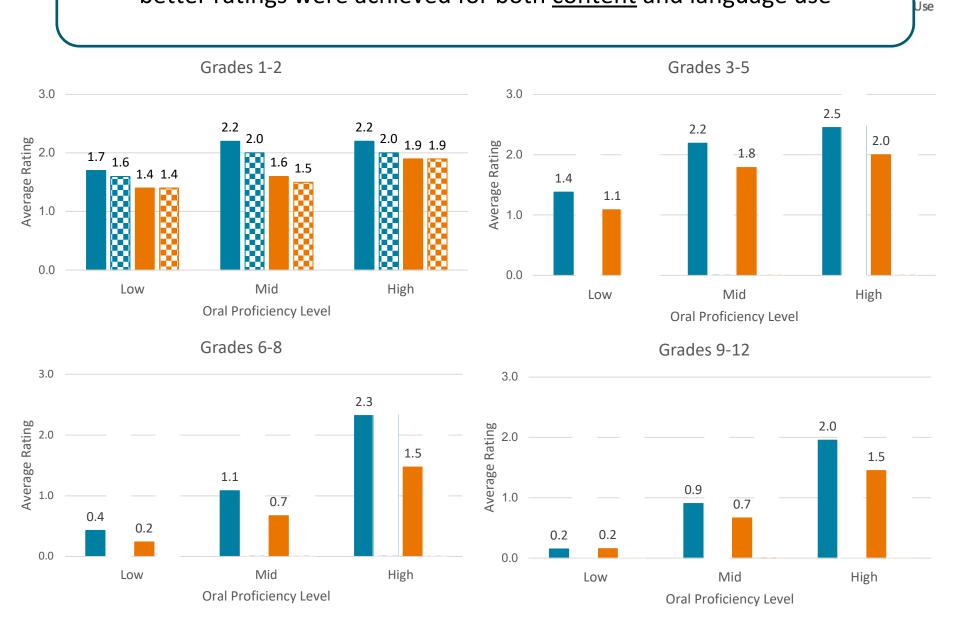
Expository Language Use



Across all grade levels higher than 1-2, the higher the proficiency level, the better ratings were achieved for both content and language use

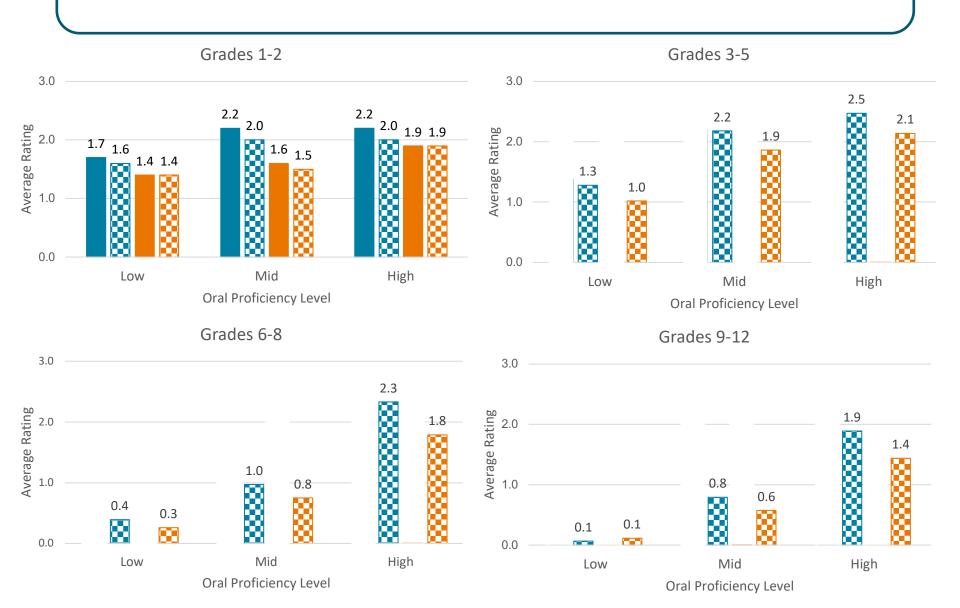


Across all grade levels higher than 1-2, the higher the proficiency level, the better ratings were achieved for both <u>content</u> and language use

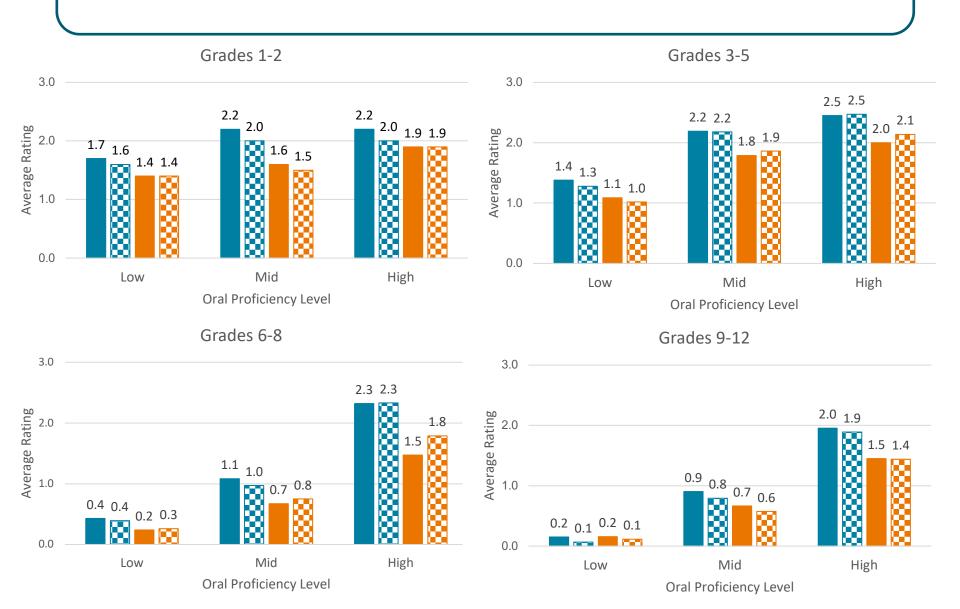


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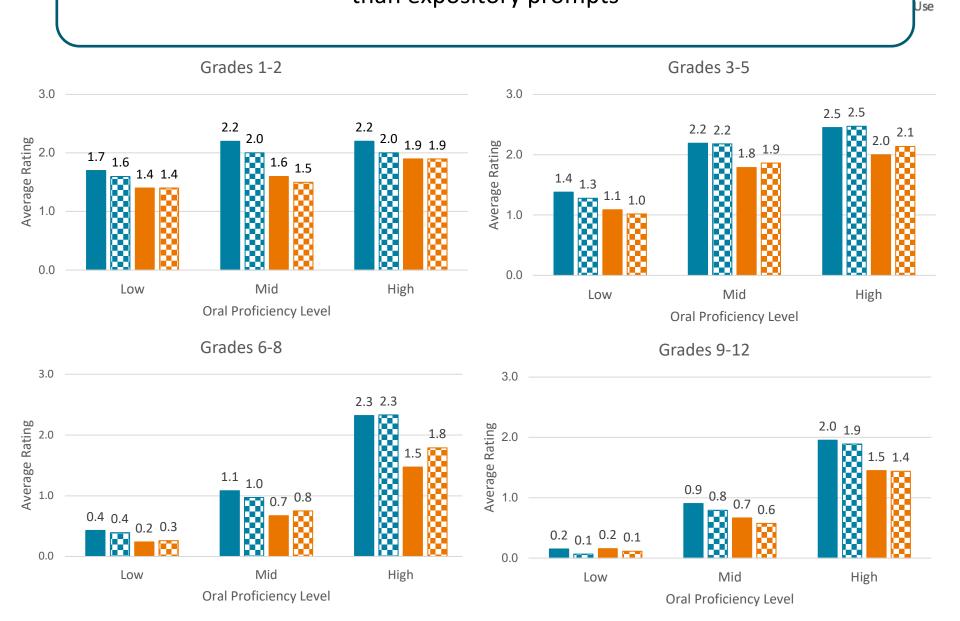
Jse



Effect even stronger at higher grade bands - Increased task demands and complexity of the prompts

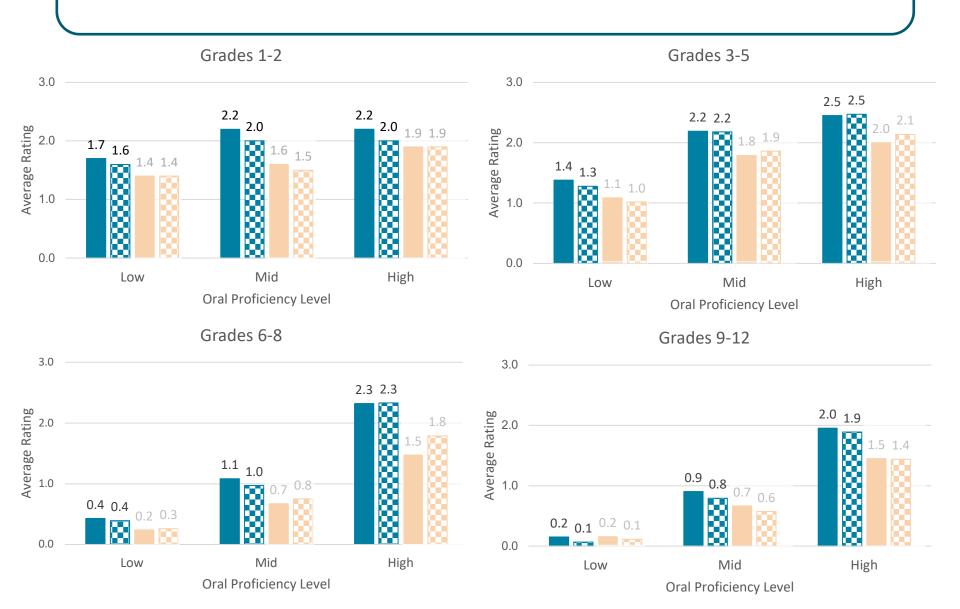


Narratives produce higher ratings on both content and language use than expository prompts

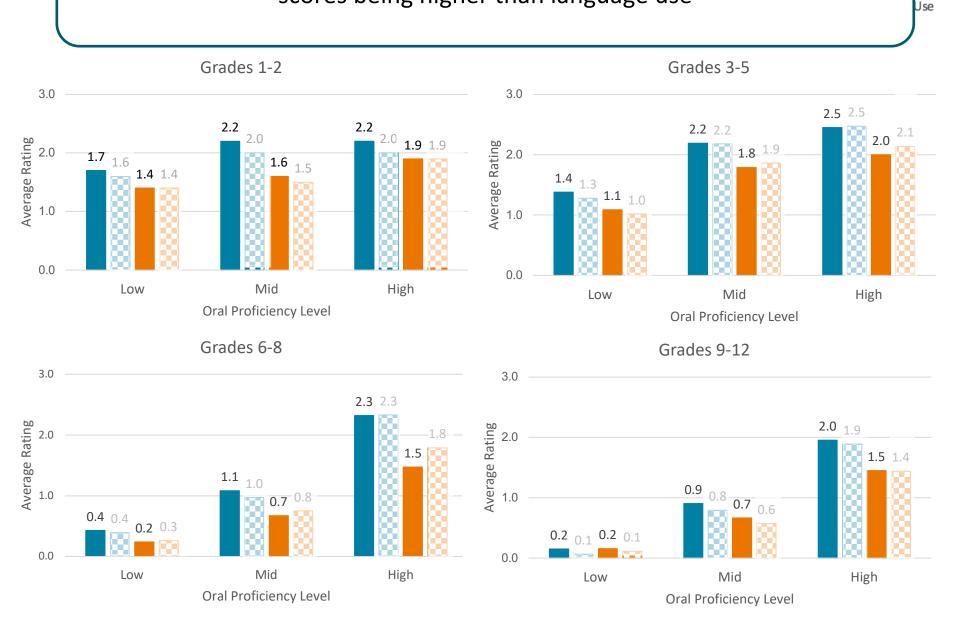


Narratives produce higher ratings on both content and language use than <u>expository</u> prompts

Jse



Trait (Content and Language Use) is a very consistent effect of <u>content</u> scores being higher than language use



- Generally, students at high levels of oral proficiency received a higher score on content and language use
 - Esp. for the upper grade bands
- Narrative prompts produced higher ratings than expository prompts on content and language use
- Content scores were higher than language use scores



Relationship of L2 proficiency measures

3-a. What do the measurement models tell us about the variables and their relationships?

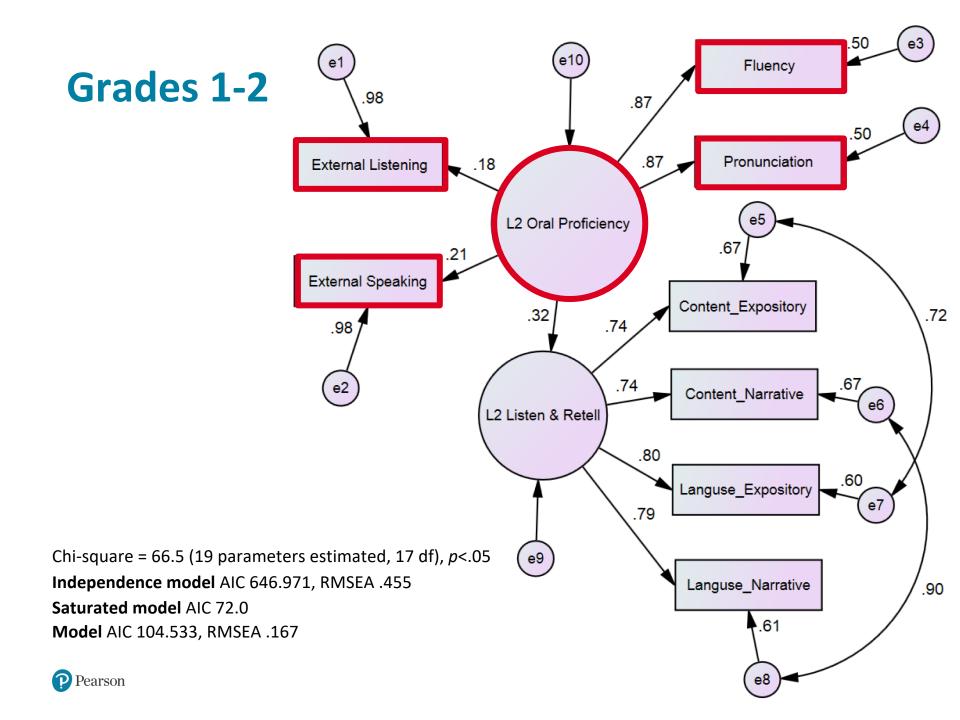
3-b. What does the structural portion of the model tell us about the relationship between L2 Oral Proficiency and L2 Listen & Retell?

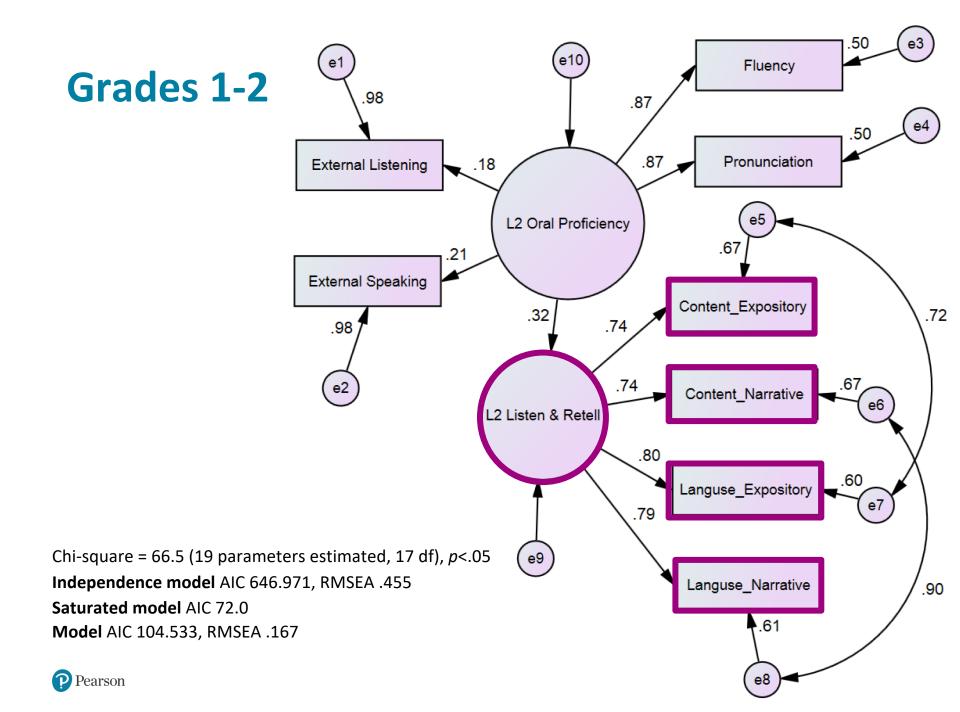
Grade Band **Grades 1-2**

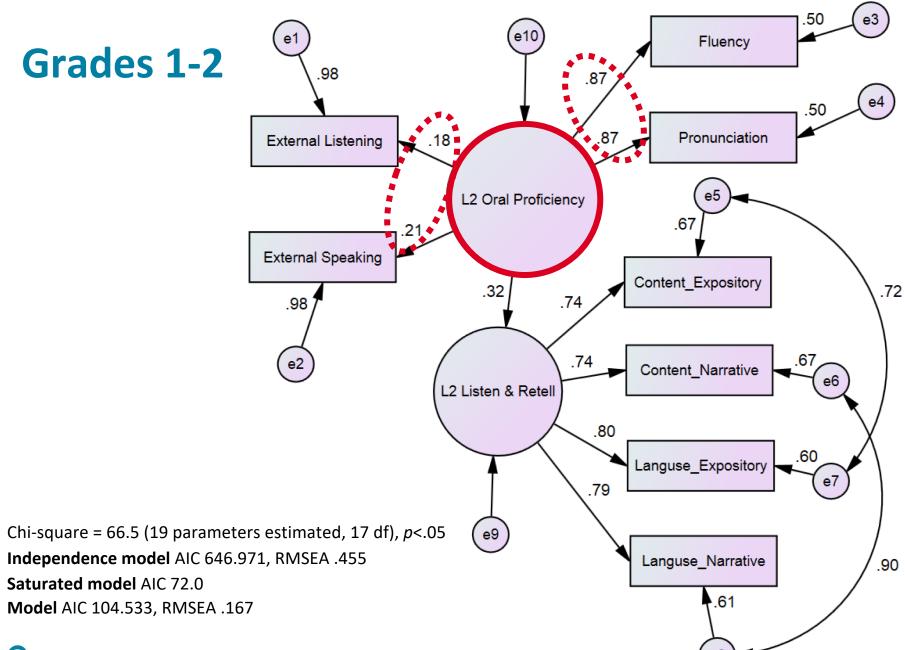
Grades 3-5

Grades 6-8



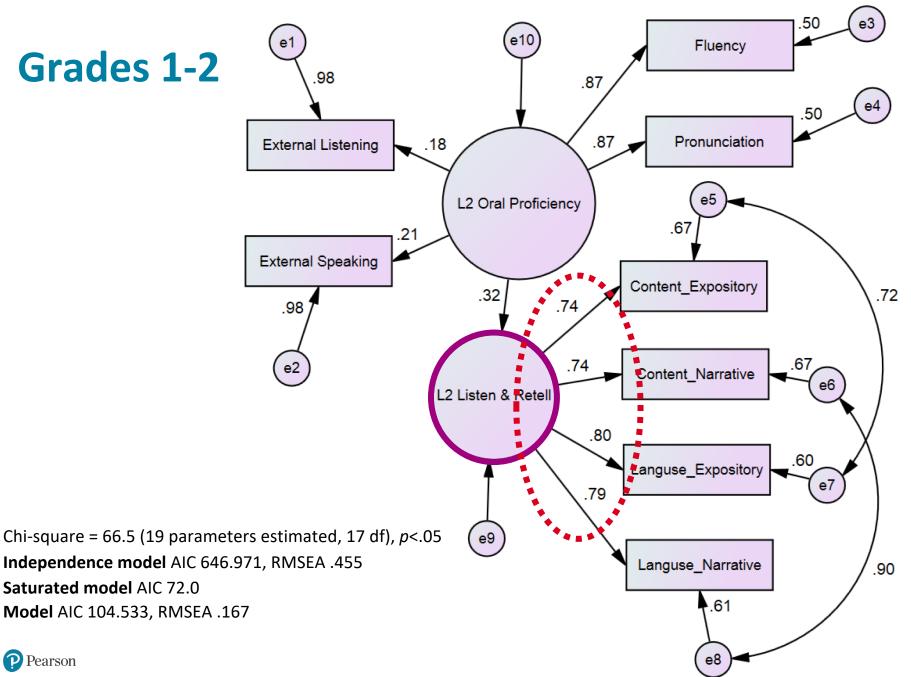




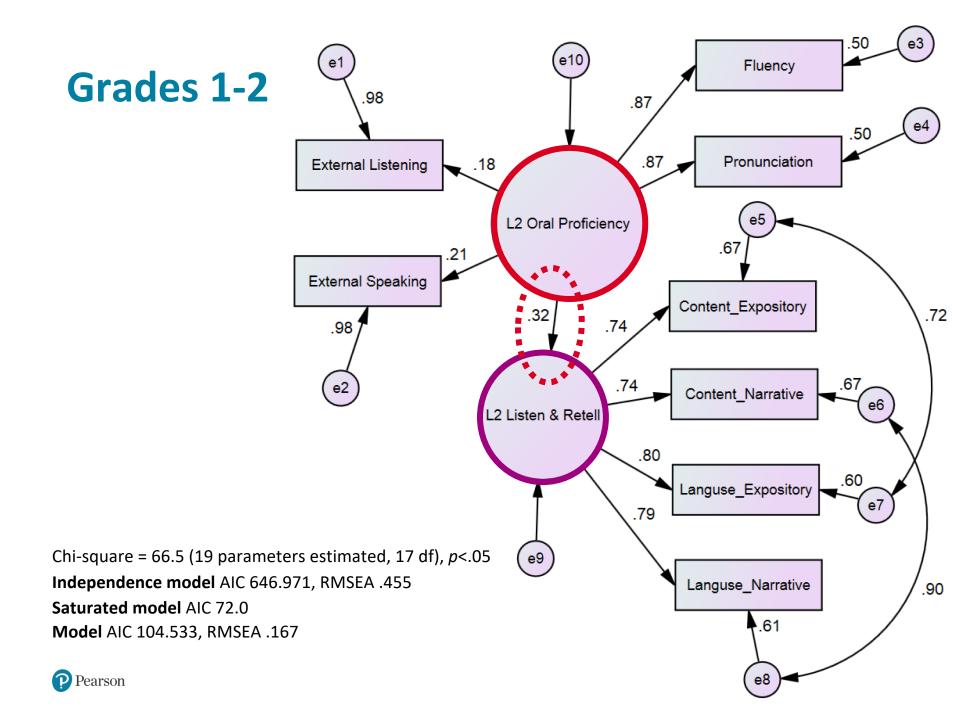




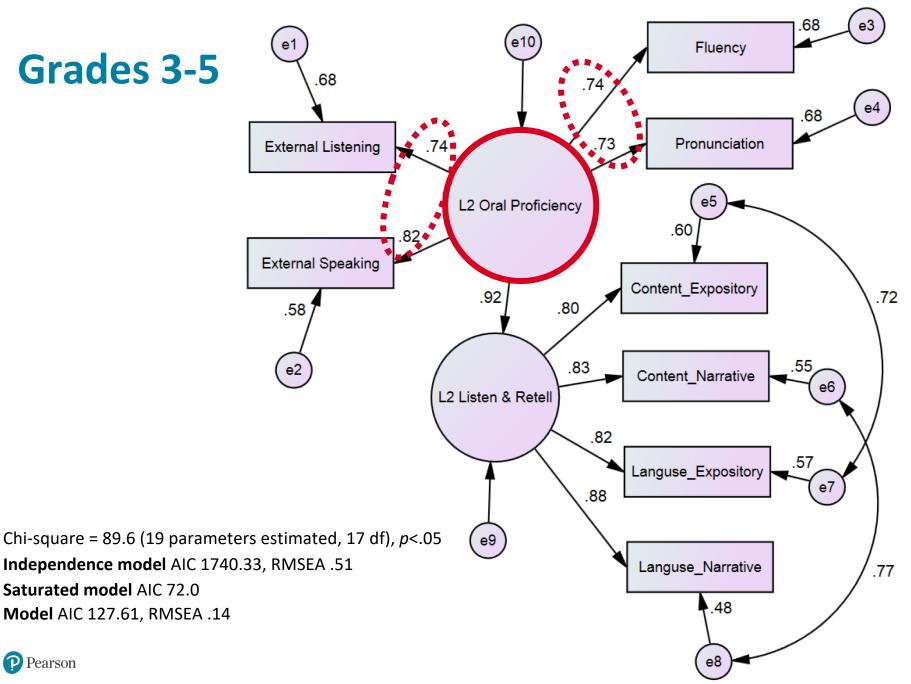






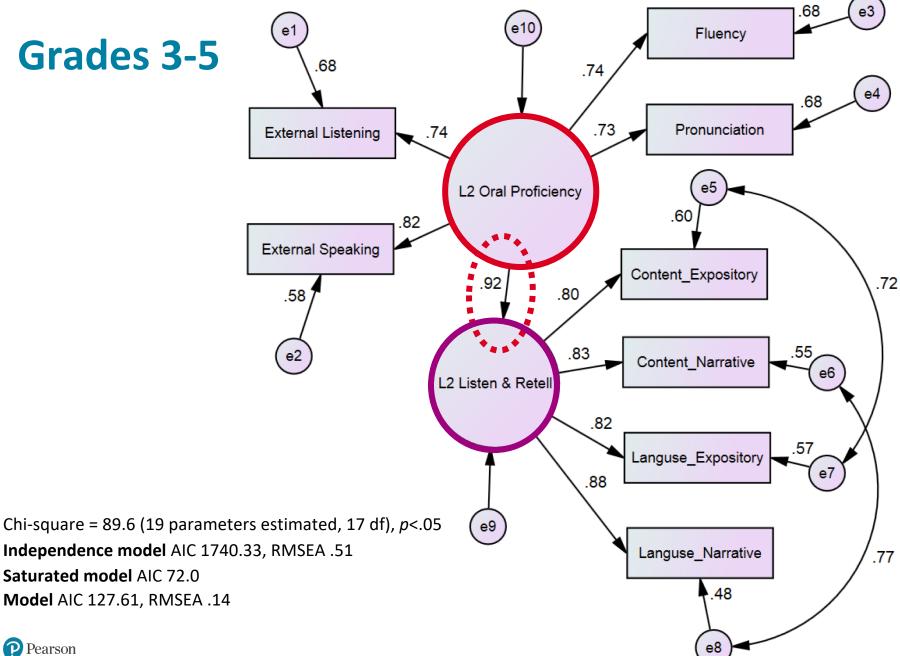










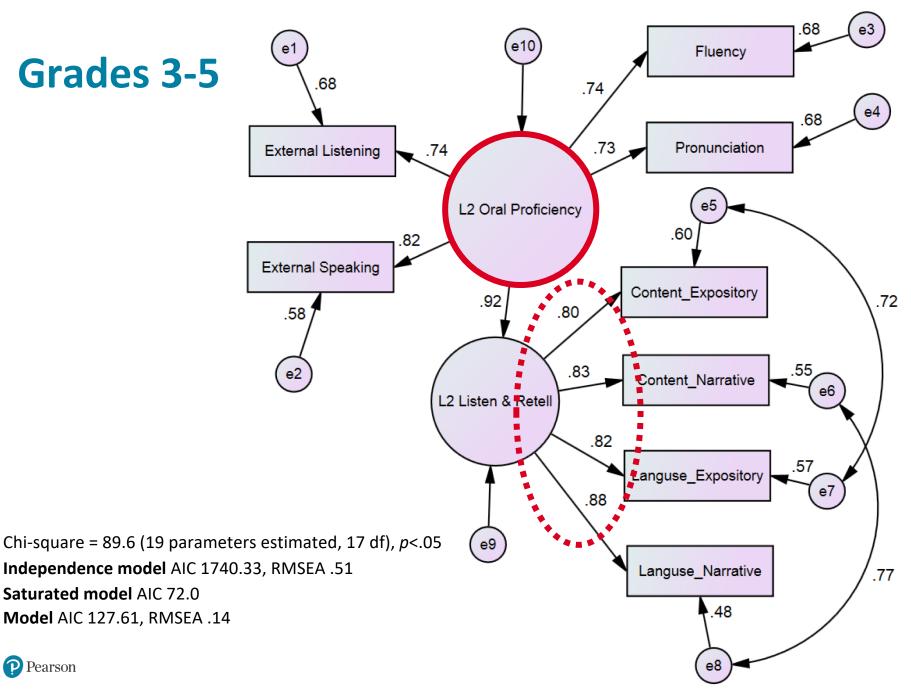


Independence model AIC 1740.33, RMSEA .51 Saturated model AIC 72.0

Model AIC 127.61, RMSEA .14

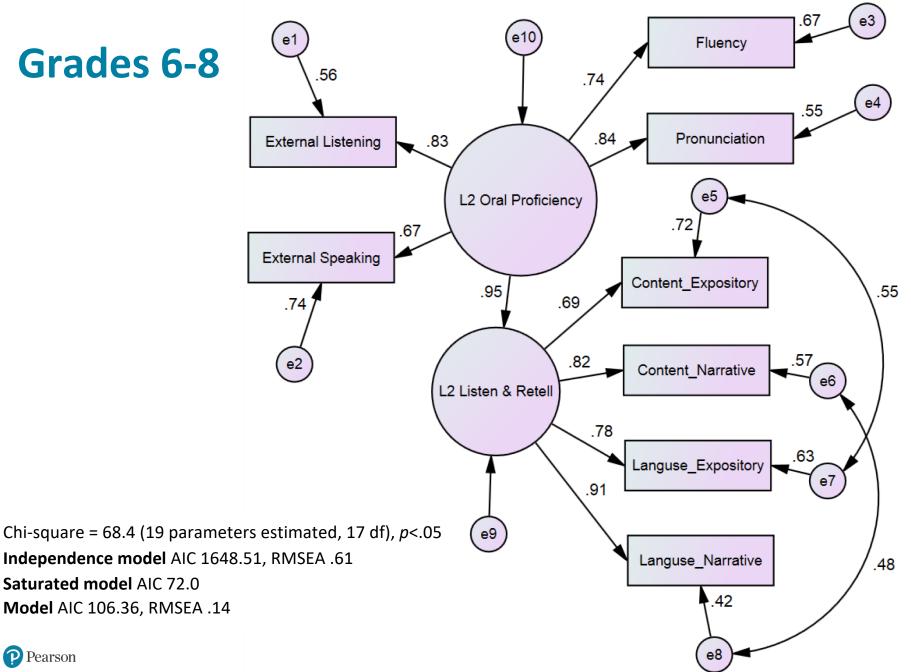




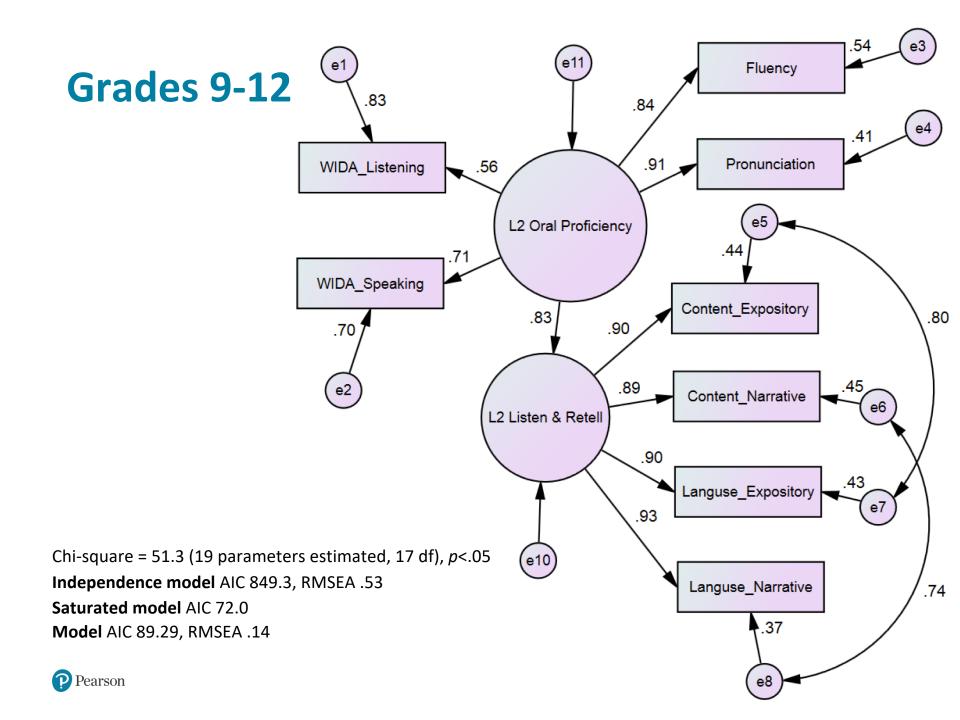












Relationship of L2 Proficiency measures

- Grades 3-12:
 - Strong relationship between the indicators and the latent variables
 - Strong relationship between the two latent variables
- Grades 1-2
 - External Listening and Speaking << Pronunciation &
 Fluency
 - Less strong relationship between the two latent variables



How do ELLs of different grade bands and proficiency levels represent the content of listening passages in their spoken responses?

- Students at higher levels of oral proficiency generally produced more content and received higher scores
 (The differences among the levels differed by grade bands)
- Narratives yielded more words than expository prompts and higher scores on content

(Across all grade bands besides grades 1-2)



What is the relationship between L2 oral proficiency and the ability to perform Listen-Retell tasks?

 Strong relationship between L2 oral proficiency and the ability to perform Listen-Retell tasks

(Across all grade bands besides grades 1-2)



Limitations

- Exploratory
- The prompts presented to test-takers were not controlled
- Language use did not include vocabulary
- Grouped Task 1 (picture) and Task 2 (video) together
- Number of responses for Grades 1-2 was different from other grade bands (Relationship between the two latent variables)



Implications

- Narrative vs Expository
 - Produce different scores with labels such as "general English" and "academic English"
- Lower grade band
 - Formal assessment
 - Listen and retell task



ALWAYS LEARNING

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