



Definition of Poor Comprehenders Kayleigh Ryherd^{1,3}, Clint Johns², Julie Van Dyke², Nicole Landi ^{1,2,3}

¹University of Connecticut, Dept. of Psychology & Language Plasticity IGERT; ²Haskins Laboratories; ³CT Institute for the Brain and Cognitive Sciences

- vocabulary)
- interval



(Haskins Laboratories)

Regression vs. Cutoff

UPCs (regression method) compared to PCs (cutoff method)

Model with vocabulary

- PCs significantly lower than UPCs:
 - Receptive vocabulary (p = .002)
- No significant difference between PCs and UPCs:
- Nonword decoding
- Reading comprehension
- Performance IQ
- Real-word decoding

Model without vocabulary

- No significant differences between UPCs and PCs in reading comprehension, decoding, receptive
 - vocab, or performance IQ.

Discussion & Future Directions

- Including vocabulary in the regression model changes the composition of UPC and control groups
- Is vocabulary a sub-skill that makes up comprehension? Should we be using it to predict comprehension? Parameters used in the regression model determine pattern of differences between UPCs and PCs

Future Directions

- Explore variables put into model • Explore confidence interval/standard
 - deviation thresholding
- Compare UPCs and PCs on additional
- behavioral, experimental, and
- neurobiological measurements not included in model

References

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