## **VOWEL PRODUCTION CHANGES** FOLLOWING MOTOR-BASED **TREATMENT IN CHILDHOOD APRAXIA OF SPEECH**

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### Background

- Children with CAS make vowel errors and have higher vowel variability (Davis et al., 2005; Lenoci et al., 2020)
- There is very little research on intervention for vowel errors in CAS (Murray et al., 2014)

### Treatment

 Dynamic Tactile and Temporal Cueing is a motor intervention for CAS (Strand, 2020)



 Audio recordings collected at several baseline and post-treatment sessions (immediate, short-term, long-term)

Virtual Q&A: Thursday, November 18; 10:00am EST – 11:30am EST Session Number 8046L

# Main finding: in childhood apraxia of speech, vowel production may be impacted by a whole-word, motor-based intervention approach









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### **Preliminary Results**

- Pre to post movement trending away from centralized vowel space
- Pre to post trend towards perceptually accurate targets
- Inferential statistical analyses ongoing

#### Disclosures:

Hannah Valentine has no financial or nonfinancial disclosures

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