Literature Review: Aided language stimulation is an intervention for individuals using alternative and augmentative communication (AAC) devices (Sennott, Light, & McNaughton, 2016). This intervention uses visual models in addition to speech to teach language comprehension and expression to children with complex communication needs. Limited research using aided language stimulation with dynamic speech-generating device is available, given the increase in this technology and use among AAC users. Providing training to caregivers on this intervention technique and measuring whether it has an impact on their modeling ability will help guide evidence-based clinical practice.

Several single-subject designs have been completed on this topic (e.g., Binger, Kent-Walsh, Berens, Del Campo, & Rivera, 2008; Binger C & Light J, 2007), varying in a few key concepts: settings, participants, AAC systems, and implemented activities. Overall, aided language stimulation has been shown as an effective intervention in AAC language development and overall communication improvement.

Methods:

**Design:** single subject, changing criterion design

**Participants:** 2 caregivers

**Independent variable:** training of aided language stimulation

**Dependent variable:** rate of spontaneously modeled language opportunities
Results:

Participant 1:

Participant 2:

Discussion:

1. Measurements: Should the rate of modeling continue to be measured? Is this a helpful clinical marker? If so, is there an average rate between adult communication partners that translate to clinically and statistically significant outcomes for communication in individuals using AAC.

2. Training programs: There are established AAC training programs available, including different techniques and strategies to help improve communication. Is it possible to structure these programs to reach more individuals (e.g., group training, long-distance training, etc.)?

3. Cultural perspectives: Given the diversity among our individuals using AAC, how can cultural perspectives shape our AAC training, both for professionals and caregivers?

