Teaching Educators to Support Augmentative and Alternative Communication of Individuals with Autism through Online Training of

SELECT SLIDES FROM PRESENTATION

Research Question

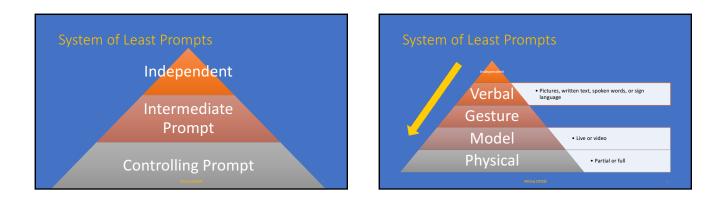
What is the effect of online training³ on education professionals' knowledge and use of system of least prompts¹ to support the communication of individuals with ASD who use AAC²?

- Prompting is EBP for individuals with ASD (NAC, 2015; NPDC, 2014)

- AAC (Snell et al., 2006)
 Expressive (Finke et al., 2017; Light et al., 1999)
 Receptive (Cihak et al., 2010; Mechling et al., 2009)

- Systematic prompting procedure

- Constant time delay between prompts
 Increases assistance within instructional trials, as needed



System of Least Prompts Most to Least Prompting Inconsistent use of target skill New target skill Regressing on performance

(AFIRM Modules, National Professional Development Center on ASD, 2015)

- Cue: signals learner to respond
- Response interval: opportunity for learner to respond
- Reinforcement: strengthening consequence • Error correction: stopping an error

- DV 1: Knowledge assessment 30 item multiple choice quiz (Cooper et al., 2007)
- Three types of knowledge (Paris et al., 1983)
 - Conceptual: "knowing that"
 Procedural: "knowing how"
 Conditional: "knowing when and why"

- Modified from Neitzel & Wolery (2009) Steps for Implementation: Least to Most Prompts
- Independently coded by 3 graduate students who were blind to condition

- Arrange prompts (L to M)

- Identify learner correct response
- Identify learner incorrect response

• Deliver cue

- - Continue to move down the planned prompting levels by Waiting and responding to the learners' attempts, until the learner performs the desired behavior correctly

- Implementation with adult confederate
 Natural environment, learner with ASD
 Concurrent learner behavior

Combination of knowledge and performance
Long-term and generalized use

- Previous research
 Focus on implementation performance
 Participants provided with a researcher determined SLP hierarchy/procedure
 Contributions to literature
 Endprint and the planning and implementation performance
- Evaluation of knowledge, planning, and implementation performance
 Participants generated own SLP hierarchy (made instructional decisions)
 Use of teleconference for role-play implementation