

The Effects of an Online Training on Pre-service Speech-language Pathologists' Use of Family-centered Skills

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# Acknowledgements

This research was supported in part by:

The Hintz Family Endowed Chair in Children's Communicative Competence in the Department of Communication Sciences and Disorders at Penn State University, RERC on AAC (NIDILRR grant #90RE5017), and Grant #H325D110008 (The Penn State AAC Leadership Project) from the U.S. Department of Education.

The authors have no conflict of interest.





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Why are family-centered services important for this population?

# What are family-centered services?

No matter where SLPs work, they will be working with families.

The way in which SLPs support and work with these families has the potential to enhance or to hinder child and family outcomes.



# What are family-centered services?

SLPs are expected to deliver family-centered services.

### Family-centered SLPs

- Recognize that each member of the family is important
- Develop a partnership with families characterized by trust, respect, and open communication
- Work together with families to make decisions in the best interest of the child



## Why pre-service SLPs?



Despite the **role** and **responsibility** of SLPs to provide family-centered services---

Research suggests that many SLPs do not receive family-centered training in their preservice programs.

In order to deliver effective family-centered services, SLPs must be trained in specific skill sets to work effectively with children and their families.

### Relational skills

- compassion, active and reflective listening, empathy, and effective communication
- beliefs and attitudes about family strengths, values, and attitudes

# Why families of children who use AAC?

Although SLPs should provide family-centered services across all children and families, evidence suggests one group in which family-centered services are especially vital, but critically lacking—children with complex communication needs who use AAC.

Parents of children who use AAC want SLPs:

- To listen
- To form a relationship with them
- To encourage them to have a voice



Unfortunately, research suggests that this does not always happen.

# Purpose of Study

If services are NOT family-centered, there is a decreased likelihood of positive AAC outcomes.

Accordingly, SLPs must be trained in how to deliver effective family-centered services.



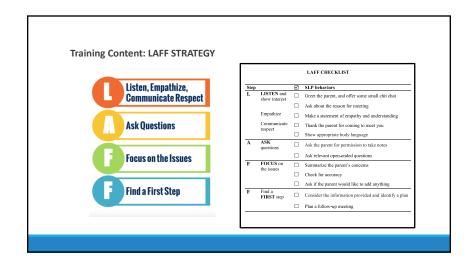


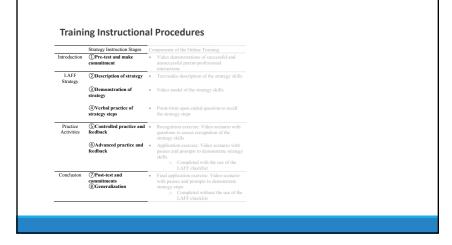
The purpose of this study was to improve the relational skills of pre-service SLPs during interactions with parents of children who use AAC.

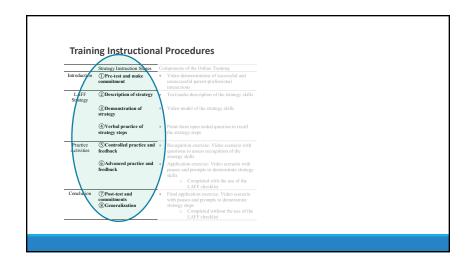
Specifically, this study developed and evaluated an online training to teach a relational skills strategy to pre-service SLPs.

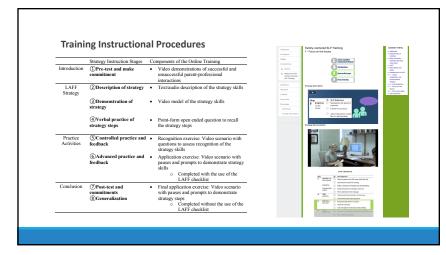
#### Methods **Participants** • 15 first-year graduate SLP students enrolled in AAC course Design Switching Replications Group Time point 1 Time point 2 Time point 3 Role play Role play Role play Experimental (pre) (post) (maintenance) Role play Role play Role play Training Control (pre) (pre) (post)

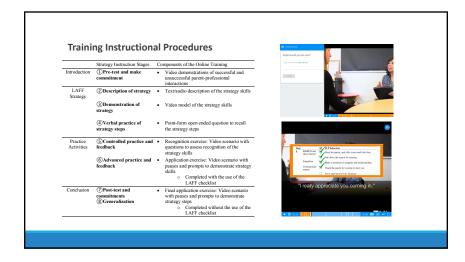












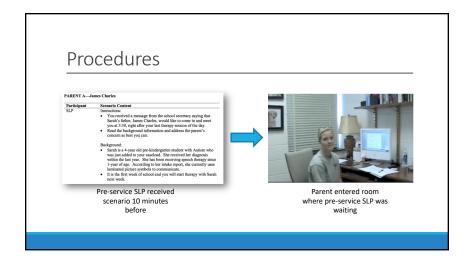
### **Simulated Role Plays**

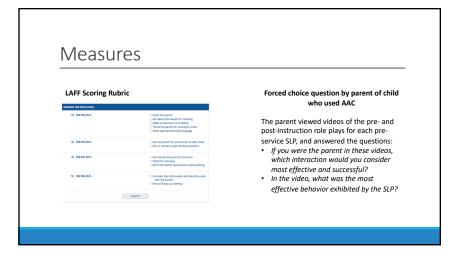
### Simulated Parents

- Four doctoral students were trained to play the role of parents of a child who uses AAC.
- They were trained to use 4 statements during their interactions with the pre-service SLP.

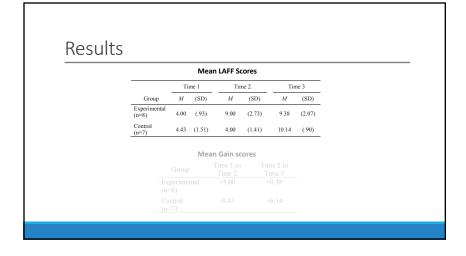
### Simulated Scenarios

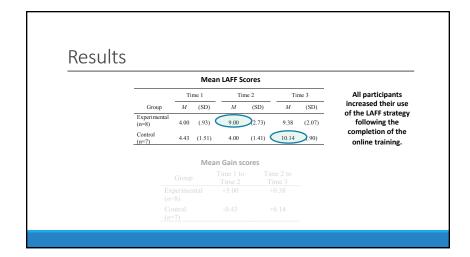
- 1. Parents wanting a new AAC device
- 2. Parents seeing no need for AAC, because of worries about the impact on spoken language
- 3. Parents worrying about social isolation of their child because of AAC
- 4. Parents feeling overwhelmed with the programming demands of the AAC device

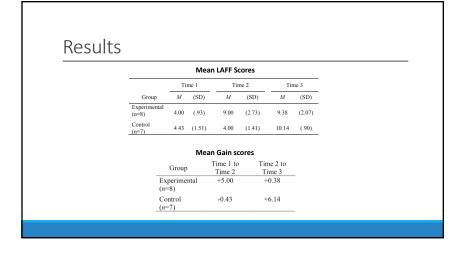


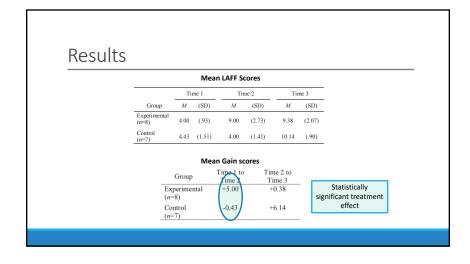


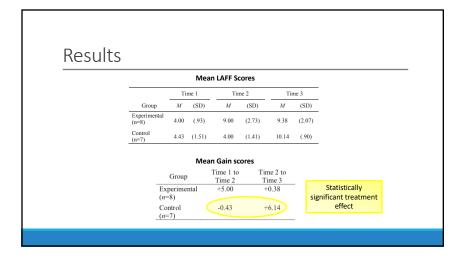
Results











### Results

If you were the parent in these videos, which interaction would you consider most effective and successful?

The parent selected the post-test video as more effective and successful for 14
of the 15 pre-service SLPs.

### What was the most effective behavior exhibited by the SLP?

- The parent identified the following behaviors as "most effective":
- Asking open-ended questions and taking time to ensure that the parent's concern is fully understood before proposing a solution (8x)
- Keeping the conversation focused on the specific concern, and addressing it directly, without getting too carried away with suggestions and information (4x)
- Showing empathy and understanding, and acknowledging the parent's concern as valid (2x)

## Results-Social Validity

100% of the participants stated that they would recommend that others learn the LAFF strategy.

88% agreed that an online environment was effective for teaching the LAFF strategy.

18% agreed that an in-person training would be more effective for teaching the strategy.



# Takeaways

Findings from this study suggest that an online training, that targeted an evidence-based strategy and incorporated strategy instruction procedures, was effective in teaching pre-service SLPs how to demonstrate a relational skills strategy during simulated interactions.

Many of the participants were also perceived as more family-centered by parents of children with disabilities, post-training.

## **Takeaways**

Findings from this study suggest that an online training, that targeted an evidence-based st What are the clinical implications? when to

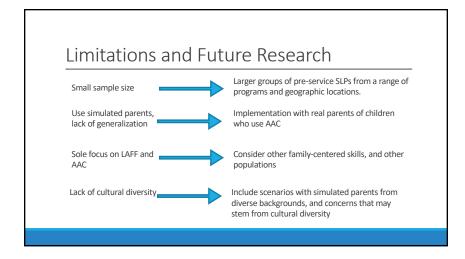
In this study, many of the pre-service SLPs were lacking in relational behaviors prior to training. Thus, there is a critical need for graduate programs to include family-centered content into their curricula.

For novice clinicians, strategies such as LAFF, can provide support, scaffolding, and improved confidence.

In this study, pre-service SLPs were taught how to demonstrate the relational skills strategy after a relatively short-period of online instruction.



Online environments may be an effective and efficient option for pre-service training and for teaching clinical skills in a non-traditional format.



Although relational skills are just one set of skills that contribute to a family-centered approach, they are vital when providing services to families with children with CCN.

Families want SLPs to listen to them, form a relationship with them, and encourage them to have a voice. By providing family-centered services, SLPs can increase the likelihood of forming trusting and collaborative relationships with families and promoting positive AAC outcomes.





This study investigated one approach to improving family-centered service provision, but future research in this area is essential, in order to improve pre-service training and ensure increased delivery of family-centered services.

### Thank you!

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