Effects of Peer Support Interventions on the Communication of Preschoolers with ASD: A Systematic Review



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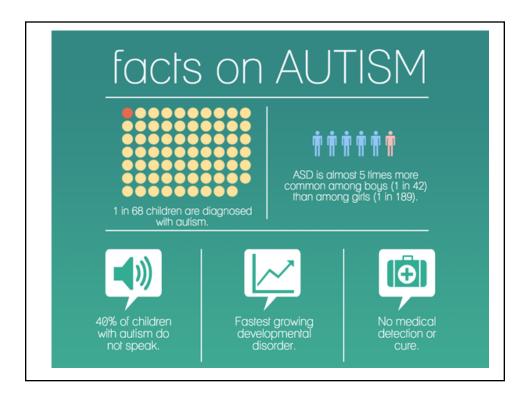


Social Communication Goals:

Preschool-Age Communication

- Initiation of interactions
- Provision of appropriate responses to peers
- Use of conflict resolution strategies
- Sustained engagement in social play or group activities

(Case-Smith, 2013; Guralnick, 2010)



Peer Supports Peer Supports • Natural communication partners • Shared common interests in play • Provide opportunities to practice and develop social communication skills • Similarly-aged model

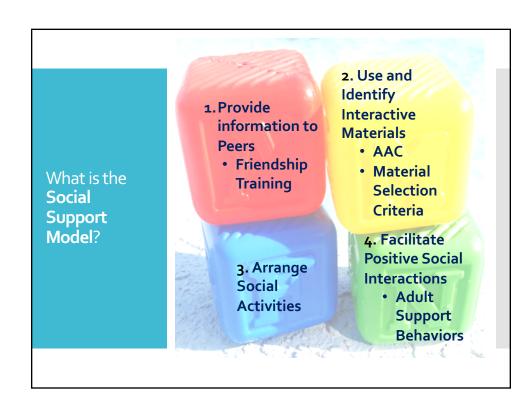
Social Support Model

(Hunt et al., 2009)

How can we use **Peers** to support **Children with ASD**?

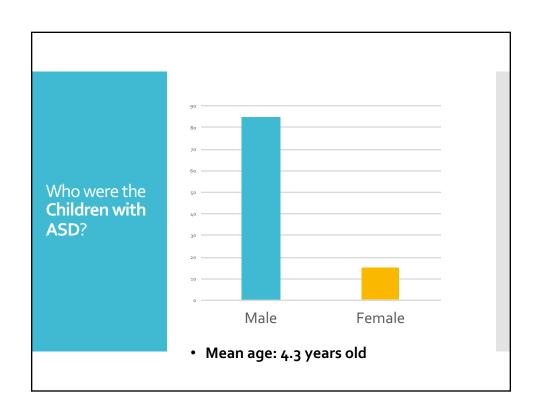
 Building Blocks for designing and implementing social supports to increase opportunities for students with CCN to interact with their peers.

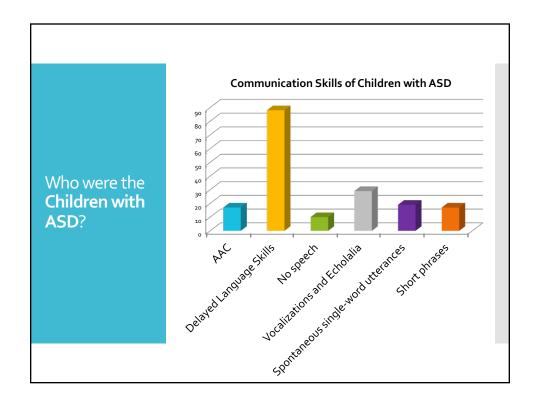


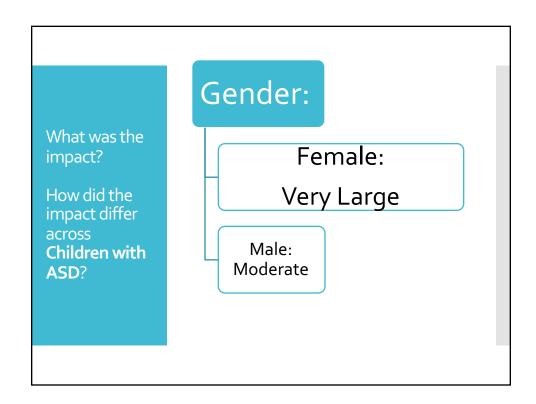


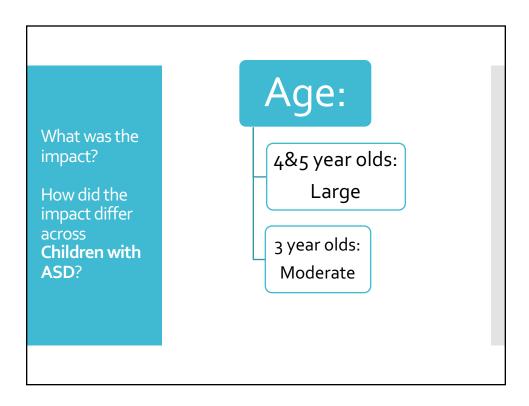
•18 Studies
•48 children with ASD
•At least 138 Peers

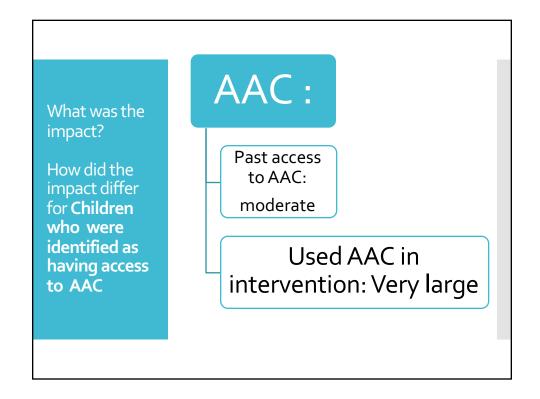
• Overall IRD Results:
• Mean IRD: .72
(SD=.23;Range=0-1.0)
• Large effect size

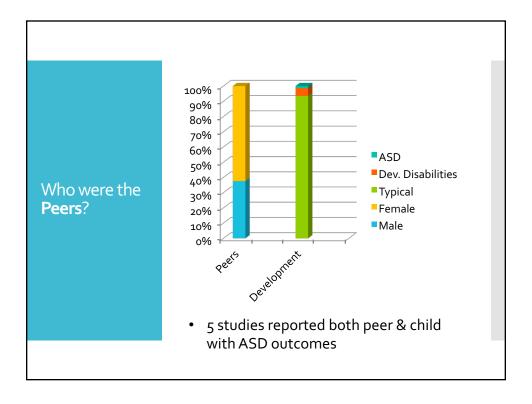












Unitiate interaction (large)
 Prompt target behavior (large)
 What was the effect?
 Engage in proximity behavior (moderate)
 Reinforce behavior (very large)



Friendship/Ability Awareness Groups:

What is the impact of

(1) Providing Information To Peers? 8 studies reported use of friendship group or ability awareness information within intervention

IRD:

Very Large

AAC

What is the impact of

(2) Using and dentifying interactive Materials?

 8 children with ASD were reported to use AAC prior to intervention

• IRD: Moderate

 12 children with ASD were reported to use AAC during intervention activities

• IRD: Very Large

Identifying Interactive Materials:

What is the impact of

(2) Using and Identifying Interactive Materials?

 Material selection based on child with ASD preferences (39%)

• *IRD*: Large

 Material selection based on classroom routine (22%)

• IRD: Moderate

What is the Impact of

Types of Preschool Activity:

- One main activity: 67% studies
- More than one activity: 33% studies

·IRD:

- Manipulatives & Snack: Very Large
- Thematic playset: Large
- Art, Dramatic, Free play, Gross Motor: Moderate

What is the Impact of

Adult Support Behavior(s)

Model: 83%

• IRD: Moderate

Prompt: 100%

IRD: Large

Check: 39%IRD: Moderate

Fade: 50%IRD: Moderate

What did we learn about Peer Support Interventions?

- Interventions to teach peers to support the communication of young children with ASD can result in positive changes in the social communication behaviors of the child with ASD.
 - Average IRD=.72 (large effect size)
- The use of AAC can contribute to positive outcomes.
 - IRD= .90 (very large effect size)
- Hunt et al (2009) Social Support Model provides a useful framework for peer interventions in the EC classroom

Questions?
Thank You!
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- The contents of this presentation do not necessarily represent the policies of these organizations and you should not assume endorsement

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