### Project ImPACT: A Look at Parent-Mediated Autism Spectrum Disorder (ASD) Intervention



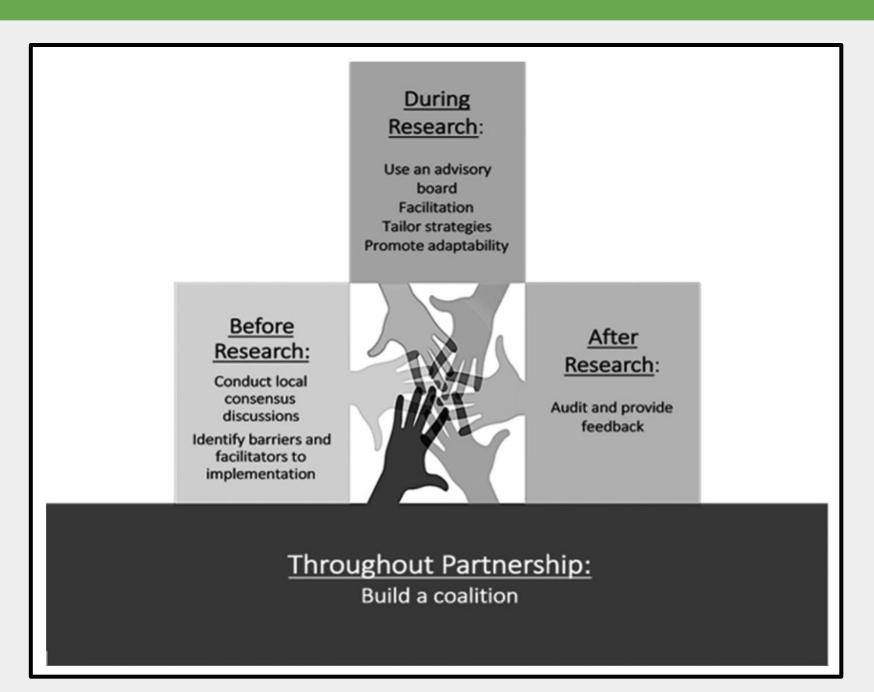


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#### Background

- Despite the proliferation of evidence-based practices for ASD, treatment remains underused and poorly implemented in community settings.
- Studies on early intervention locate parent-mediated interventions as sources of great improvements in cognitive ability, social functioning, behavior, and adaptive skills for children with ASD.
- Project ImPACT is a naturalistic, developmental, behavioral intervention for children with autism spectrum disorder, developed to deliver an accessible and adapted evidence-based, parent-coaching intervention into the community.

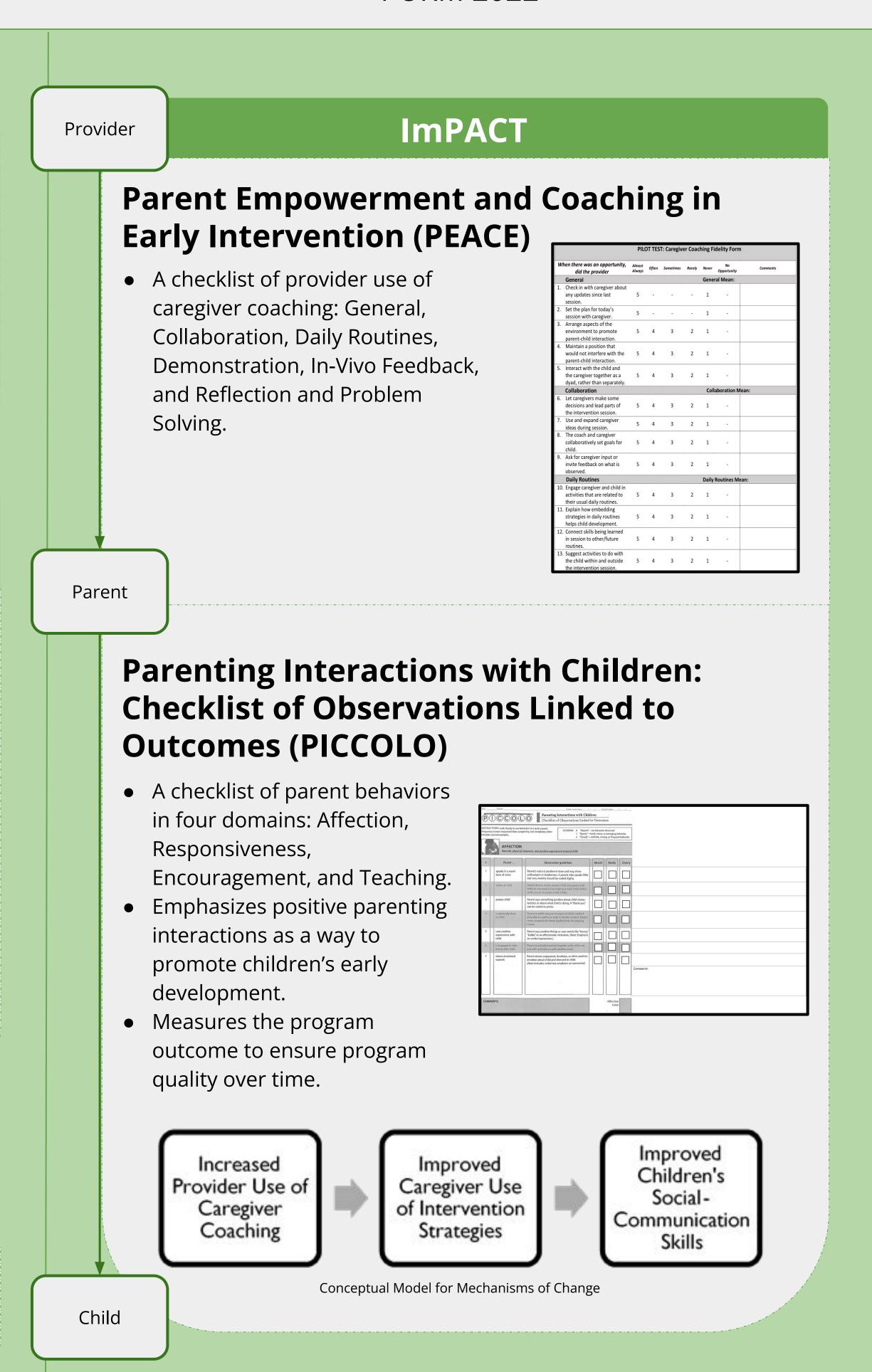
# Implementing evidence-based practices in the community



Conceptual model illustrating implementation strategies across phases of the CAP research process

## Naturalistic Developmental Behavioral Interventions

NDBIs are interventions delivered in naturalistic and interactive social contexts, derived from the principles of behavioral learning and developmental sciences.



### **Keep Calm**

- An interactive data collection tool for supporting emotion regulation in students.
- Integrates wearable heart rate tracking to identify and alert teachers of students' intensified stress levels and remind them of evidence-based strategies that can lessen stress and prevent challenging behaviors.
- Keep Calm's evidence-based strategies often corresponded with those of Project ImPACT:
  - Modeling
  - Feedback
  - Role Play and Practice

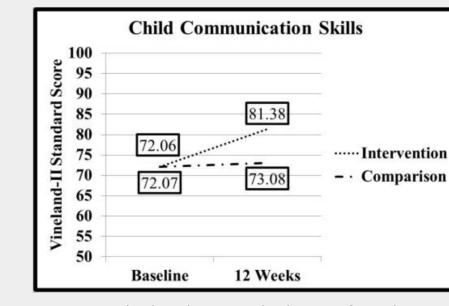


#### Data management

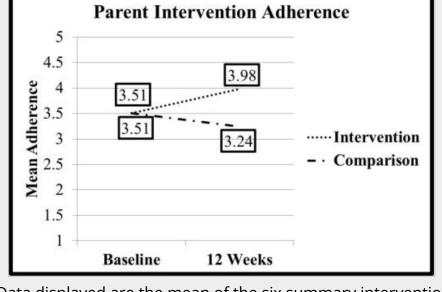


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#### **Outcomes**



Data displayed are standard scores from the Vineland-II (Sparrow, Cicchetti, & Balla, 2005).



Data displayed are the mean of the six summary intervention component scores on which parents were rated.

#### Reference

Pellecchia, Melanie et al. "Community-academic partnerships in implementation research." Journal of community psychology vol. 46,7 (2018): 941-952. doi:10.1002/jcop.21981 Pellecchia, M., Beidas, R.S., Mandell, D.S. et al. Parent empowerment and coaching in early intervention:

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