

Evidence Based Intervention For Children With Autism

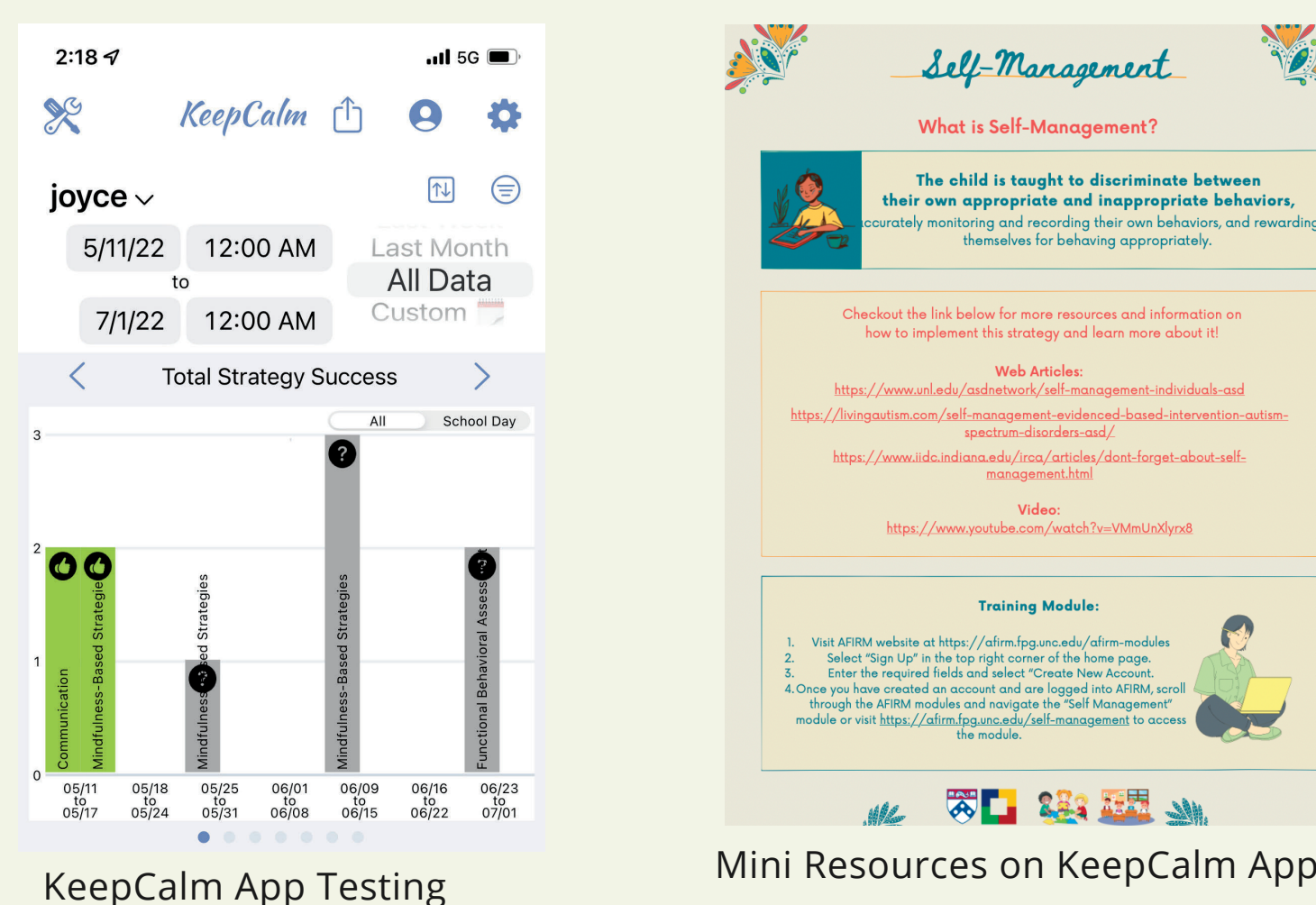
CURF FALL 2022-FUNDED BY PURM
JOYCE YOON, NURS 2025

DR. MELANIE PELLECCIA, PERELMAN SCHOOL OF MEDICINE, PSYCHIATRY DEPARTMENT

BACKGROUND

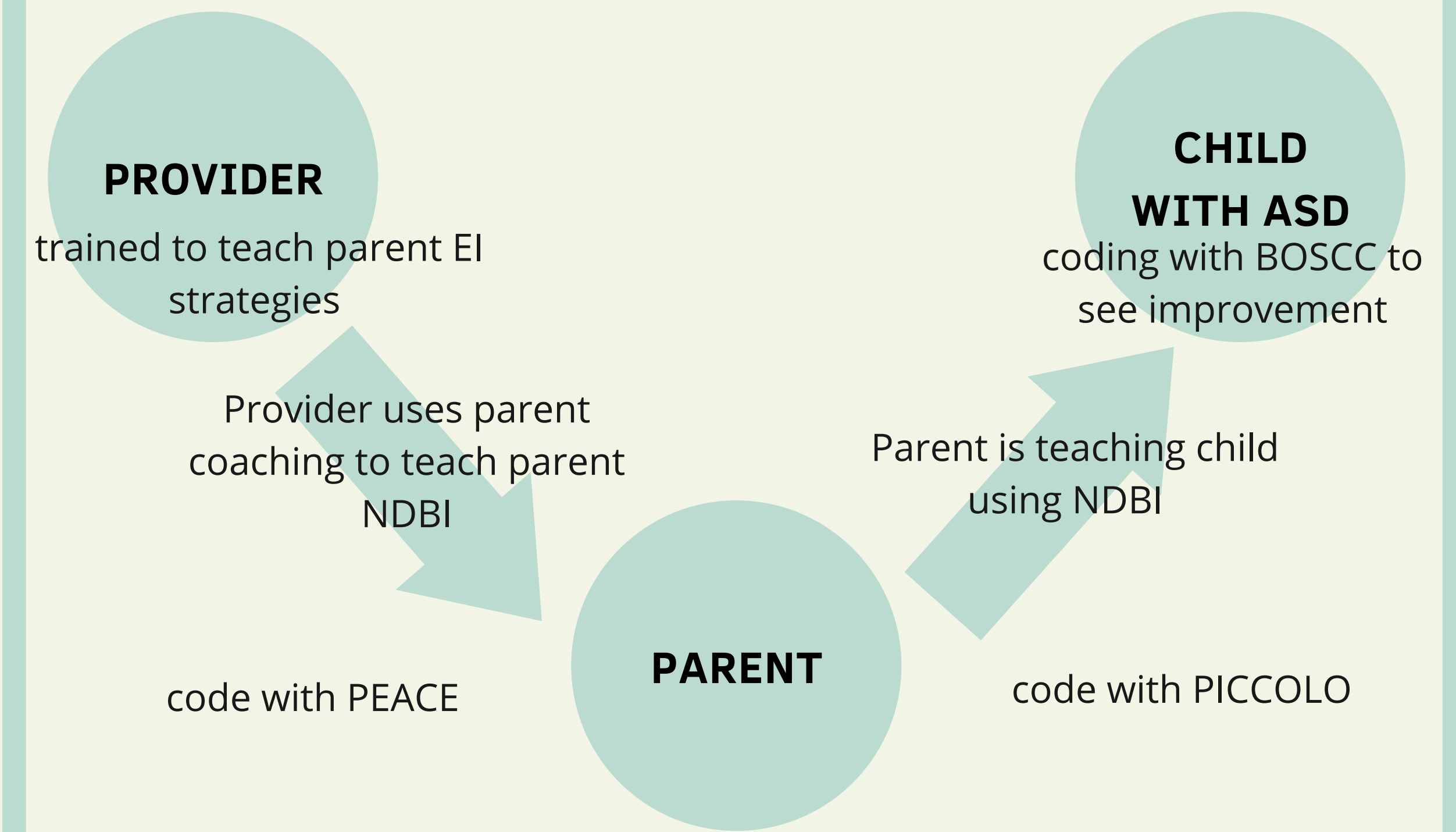
- PARENT MEDIATED EARLY INTERVENTION (EI) CAN IMPROVE COGNITIVE ABILITY, SOCIAL FUNCTIONING, BEHAVIOR, AND ADAPTIVE SKILLS FOR YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER (ASD)
- COMMUNITY BASED EI RARELY UTILIZE PARENT COACHING AND EVIDENCE BASED INTERVENTIONS
- PROJECT IMPACT TEACHES PARENTS STRATEGIES TO HELP CHILDREN WITH ASD DEVELOP SKILLS FOR DAILY ROUTINES AND ACTIVITIES
- PEACE PROJECT AIMS TO USE COMMUNITY PARTNERED RESEARCH METHODS TO DEVELOP A TOOLKIT OF IMPLEMENTATION STRATEGIES

RAPID CYCLE PROTOTYPING

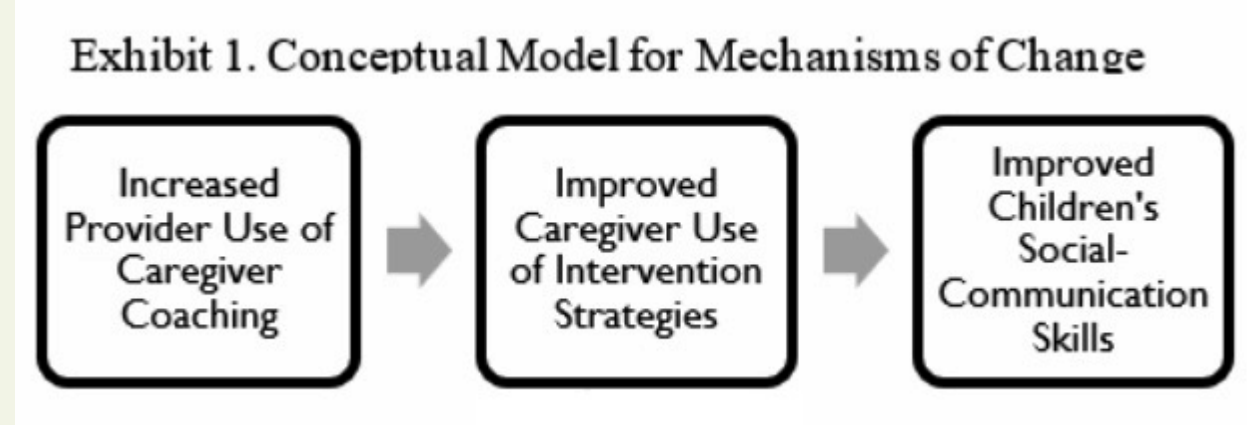


- The KeepCalm project takes input from parents and teachers and expands on the previous work to edit/create the app
- Works to understand and support individuals with ASD manage their emotions and stress in community settings

HOW PROJECT IMPACT WORKS



IMPROVING IMPLEMENTATION OF EVIDENCE BASED TREATMENTS FOR CHILDREN WITH ASD



Parent Empowerment and Coaching in Early Intervention (PEACE)

Item	1	2	3	4	5
1. Check in with caregiver about the session time slot	5	4	3	2	1
2. Ask parent for feedback on session with caregiver	5	4	3	2	1
3. Ask parent for feedback on session with caregiver	5	4	3	2	1
4. Ask parent for feedback on session with caregiver	5	4	3	2	1
5. Ask parent for feedback on session with caregiver	5	4	3	2	1

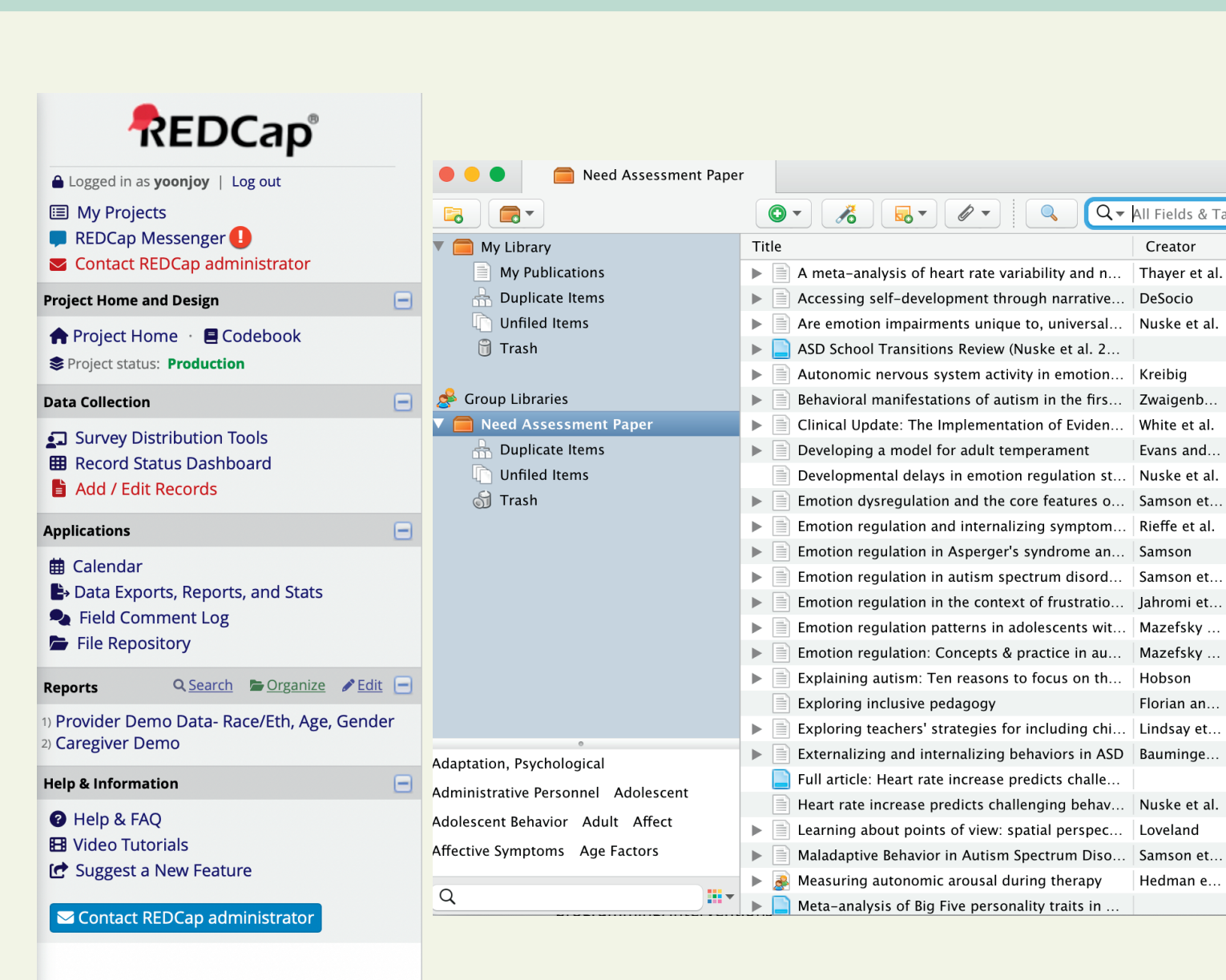
The Parenting Interactions with Children: Checklist of Observations Linked to Outcomes (PICCOLO)

Item	1	2	3	4	5
1. Parental warmth	5	4	3	2	1
2. Parental sensitivity	5	4	3	2	1
3. Parental responsiveness	5	4	3	2	1
4. Parental involvement	5	4	3	2	1
5. Parental support	5	4	3	2	1

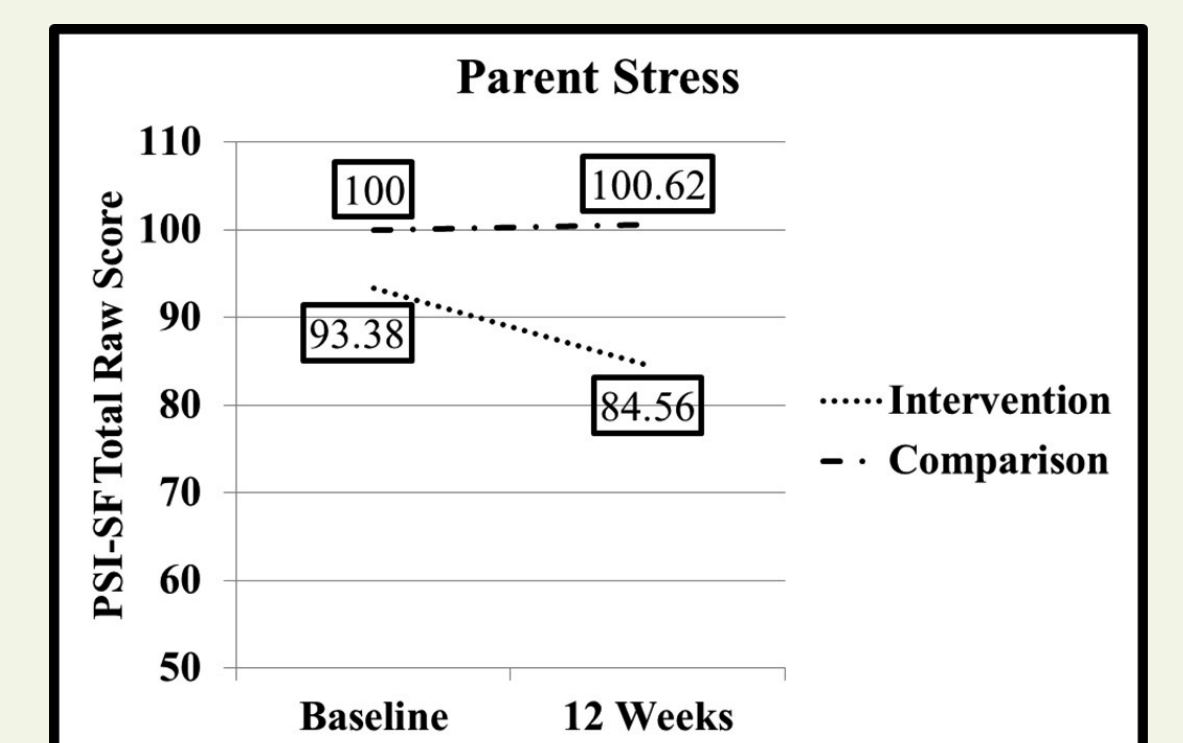
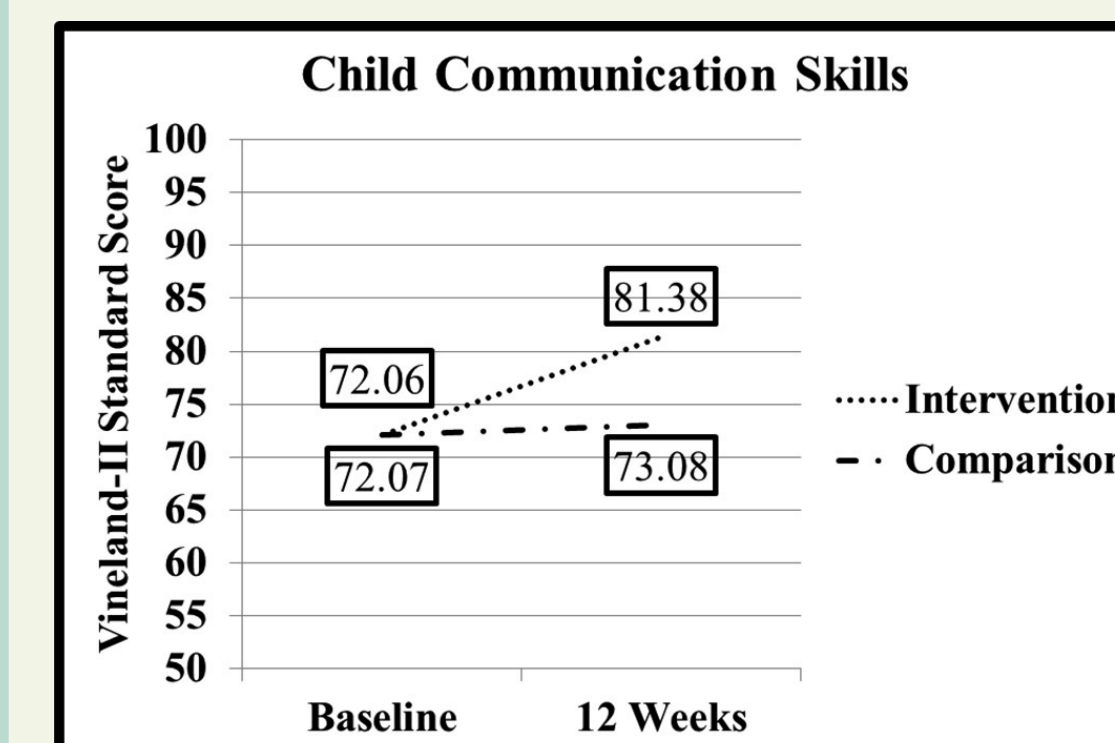
Brief Observation of Social Communication Change (BOSCC)

Item	1	2	3	4	5
1. Eye Contact	5	4	3	2	1
2. Facial Expressions	5	4	3	2	1
3. Gestures	5	4	3	2	1
4. Vocalizations	5	4	3	2	1
5. Integration of Vocal and Non-Vocal	5	4	3	2	1
6. Social Overtures	5	4	3	2	1
7. Social Responses	5	4	3	2	1
8. Engagement	5	4	3	2	1
9. Play	5	4	3	2	1
10. Unusual Sensory Interests	5	4	3	2	1
11. Hand/Finger/Body Mannerisms	5	4	3	2	1
12. Repetitive/Stereotyped Interests/Behaviors	5	4	3	2	1
13. Activity Level	5	4	3	2	1
14. Disruptive Behavior/Irritability	5	4	3	2	1
15. Anxious Behaviors	5	4	3	2	1

DATA MANAGEMENT



PRELIMINARY RESULTS OF PROJECT IMPACT



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

Data displayed are raw scores from the Center for Epidemiological Studies-Depression Scale (Radloff, 1977). Scores between 16-26 on the Center for Epidemiological Studies-Depression Scale are suggestive of mild depression symptomatology.

RESOURCES

NAHMAS, A. S., PELLECCIA, M., STAMMER, A. C., & MANDELL, D. S. (2019). EFFECTIVENESS OF COMMUNITY-BASED EARLY INTERVENTION FOR CHILDREN WITH AUTISM SPECTRUM DISORDER: A META-ANALYSIS. JOURNAL OF CHILD PSYCHOLOGY AND PSYCHIATRY, 60(11), 1200-1209.

SCHREIBMAN, L., DAWSON, G., STAMMER, A. C., LANDA, R., ROGERS, S. J., MCGEE, G. G., KASARI, C., INGERSOLL, B., KAISER, A. P., BRUNISMA, Y., MCNERNEY, E., WETHERBY, A., & HALLADAY, A. (2015). NATURALISTIC DEVELOPMENTAL BEHAVIORAL INTERVENTIONS: EMPIRICALLY VALIDATED TREATMENTS FOR AUTISM SPECTRUM DISORDER. JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS, 45(8), 2411-2428. <https://doi.org/10.1007/s10803-015-2407-8>

STADNICK, N. A., STAMMER, A., & BROOKMAN-FRAZEE, L. (2015). PRELIMINARY EFFECTIVENESS OF PROJECT IMPACT: A PARENT-MEDIATED INTERVENTION FOR CHILDREN WITH AUTISM SPECTRUM DISORDER DELIVERED IN A COMMUNITY PROGRAM. JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS, 45(7), 2092-2104. <https://doi.org/10.1007/s10803-015-2376-y>

PELLECCIA, M., BEIDAS, R. S., MANDELL, D. S., CANNUSCIO, C. C., DUNST, C. J., & STAMMER, A. C. (2020). PARENT EMPOWERMENT AND COACHING IN EARLY INTERVENTION: STUDY PROTOCOL FOR A FEASIBILITY STUDY. PILOT AND FEASIBILITY STUDIES, 6(1), 1-12.