Efficacy of the START-Play Study

We appreciate you and your infant being part of this study! We thank you for sharing your time with us and for letting the study team complete the assessments and interact with your family.

What we did

What we found

OVERVIEW

- Recruited 155 families in 5 US locations, infants 7-16 months old
- Half randomized to START-Play
- START-Play=24 sessions in 3 months
- Everyone kept their usual EI

- Followed 134 families for 12 months
- Differences in EI services by region
- All followed IDEA regulations
- Content of sessions differ between START-Play and usual EI

- Measured cognitive and motor 5 times over a year
- Compared over time
- Compared between START-Play and usual EI

More cognitive and brainstorming opportunities in START-Play

PARENTS

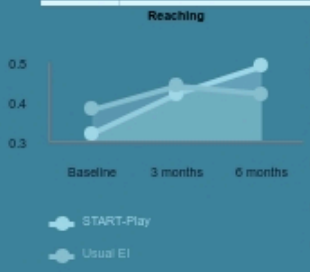
- Measured parent-child interaction
- Parents surveyed on services
- START-Play group focused on parent brainstorming

- Parents in START-Play increased cognitive opportunities and decreased their control of child's movements
- Parents in EI helped initiate movement more

EARLY RESULTS*

Measured:

- Bayley cognitive
- Gross Motor
- Problem solving
- Reaching



Overall, START-Play group shows more toy contact duration, long term

- No difference in Gross Motor change over time between groups

For infants with moderate or significant motor delay, START-Play shows greater cognitive change, long term

*Preliminary, will re-analyze when all 12-month data completed. Also, will look at longer term (24 and 36 months post baseline) outcomes with added funding

Publications

- Sitting Together And Reaching To Play (START-Play): Protocol for a Multisite Randomized Controlled Efficacy Trial on Intervention for Infants With Neuromotor Disorders.Harbourne RT, Dusing SC, Lobo MA, Westcott-McCoy S, Bovaird J, Sheridan S, Galloway JC, Chang HJ, Hsu LY, Koziol N, Marcinowski EC, Babik I.Phys Ther. 2018 Jun 1;98(6):494-502.

- A Physical Therapy Intervention to Advance Cognitive and Motor Skills: A Single Subject Study of a Young Child With Cerebral Palsy.Dusing SC, Harbourne RT, Lobo MA, Westcott-McCoy S, Bovaird JA, Kane AE, Syed G, Marcinowski EC, Koziol NA, Brown SE.Pediatr Phys Ther. 2019 Oct;31(4):347-352.