Who should deliver early intervention?

Comparing one-on-one therapy and parent coaching for young children with autism.



Dr Hannah Waddington and Eleanor Wilson



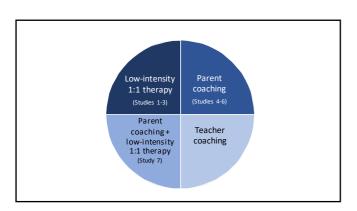
Early Start Denver Model

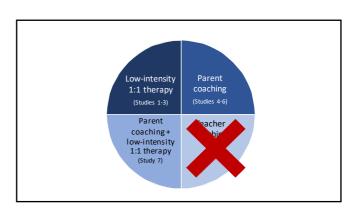
- For children with, or suspected to have, autism between 12 and 60 months
- Routines-based intervention
- Delivered by parents, teachers, or therapists
- Evaluated in over 30 studies, with most showing promising results
- Most effective when implemented intensively (15+hours per week)



No government funding or insurance coverage for intensive early intervention
 → Most families/whānau cannot afford intensive intervention
 Lack of professionalstrained in intensive early intervention
 → Even families/whānau who can afford intensive intervention, cannot always access it
 No autism-specific ECE, high child:teacher ratios
 → Intensive group intervention difficult

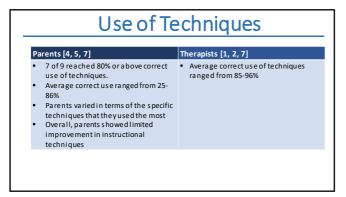
New Zealand ESDM Research

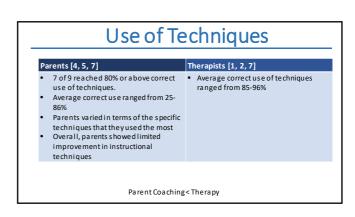


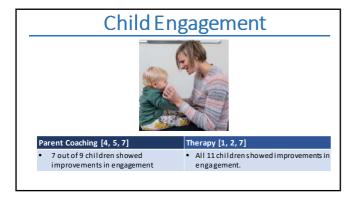


Parent Perceptions Parent Coaching [3] Therapy [6] Parents: • Rated their experiences positively Rated their experiences positively Found implementing the techniques to $\, ullet \,$ be slightly disruptive child and the the rapist Identified strengths and challenges Felt the strategies aligned with their related to: Outcome parenting style Found the improvements in behaviour Outcomes for their children The ESDM model to be socially significant The parent training procedures The relationship with the trainer

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Child Language and Imitation



- 2 of 9 children showed improvements 7 of 10 children showed improvements in utterances/vocalisations.
 - in utterances/vocalisations
 - 2 of 9 children showed improvements 8 of 11 children showed improvements

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Parent Coaching < Therapy

Practical Implications

- Possibly easier to support engagement than language or imitation.
- Parents may need more support to teaching children new skills.
- Need to find a more effective method of coaching parents to use ESDM techniques.
- Child outcomes may be improved by combining parent coaching with a small amount of 1:1



References

- ism Clinic Research

 Waddington, H., van der Meer, L., Signfoos, J., Oglive, E. (2019). Evaluation of a low-intensity version of the Early Start Deriver Model with four preschool-aged boys with autism spectrum disorder. International Journal of Developmental Disabilities, oil: 10.080/2014/3886.2019.1569360. Toppout, J., Waddington, H., van der Meer, L., & Signfoos, L. (2019) flettes of a low-intensity fast) Start Enerer Model-based intervention believed in inclusive Preschool Settle, and the Control of Developmental Disabilities, accepted.

 Autism and Developmental Disorder, 47(9). 2898-2910. Waddington, H., van der Meer, L. & Signfoos, L. (2019). Supporting parents in the use of the Early Start Deriver Model for their poung children with autism spectrum disorder. International Journal of Developmental Disorderis, 63:101.1080/2014/3896.2019.1SS640.

 Waddington, H., van der Meer, L. & Signfoos, L. & Whitehouse, A. (2019). Supporting parents in the use of the Early Start Deriver Model for their poung children with autism spectrum disorder. International Journal of Developmental Disordities, 63:101.1080/2014/3896.2019.1SS640.

 Waddington, H., van der Meer, L. Signfoos, L. & Whitehouse, A. (2019). Boarnining parent use of specific intervention techniques during a 12-week training programs based on the Early Start Deriver Model. Advances in Meera Condenderpointed Disorder's accepted.

 Waddington, H., van der Meer, L. Signfoos, J., & Bowden, C. (2019). Mother' perceptions of a home-based training programme based on the Early Start Deriver Model. Advances in Meera Condenderpointed Disorder's accepted.

 Waddington, H., van der Meer, L. Signfoos, J., van der Meer, L. & Whitehouse, A. (2019). Evaluation of a parent coaching and low-intensity. The Promotion before version of the early start Deriver Model on with nuitions Promotion binquage. Jearning, and engagement. New

Other Relevant Studies

Rogers, S. J., & Dawson, G. (2010). Early start Denver model for young children with autism: Promoting language, learning, and engagement. New

, A., Lord, C., Munson, J., Rocha, M., Winter, J., ... 8. Sugar, C. A. (2019). A multisite randomized controlled two-phase trial of the Model compared to treatment as usual. *Journal of the American Academy of Child & Adolescent Psychiatry*, advanced online publicate, A., Visman, L., Munson, J., Zerhut, C., Gieenson, J., ... & Whelan, F. (2019). Enhanding low-intensity coaching in parent implemented Model intervention for early autism: A randomized comparison treatment trial. *Journal of Autism* and Developmental Disorden, 49(2).

us.
ti, G. Ossanayake, C., Duncan, E., Feary, J., Capes, K., Upson, S., ... & Hudry, K. (2018). Outcomes of children receiving Group-Early Start Denver inclusive versus autism-specific settings. A plot a nadomized controlled trial Audism, advanced online publication.
'Yang, J., Yao, J., Hen, J., Phang, K., Mang, W., ... & Lee, G. I. (2018). A Pilot Study of a Culturally Adapted Early Intervention for Young Children
Spectrum Disorders in China. Journal of Early Intervention, 40(1), 52-68.