

Parent-Implemented Intervention Fact Sheet

Brief Description

Parent-implemented intervention (PII) includes programs in which parents are responsible for carrying out some or all of the intervention(s) with their own child. Parents are trained by professionals one-on-one or in group formats in home or community settings. Methods for training parents vary, but may include didactic instruction, discussions, modeling, coaching, or performance feedback. Parents may be trained to teach their child new skills, such as communication, play or self-help, and/or to decrease challenging behavior. Once parents are trained, they proceed to implement all or part of the intervention(s) with their child.

Qualifying Evidence

PII meets evidence-based criteria with 8 group design and 12 single case design studies.

Ages

According to the evidence-based studies, this intervention has been effective for toddlers (0-2 years) to elementary school-age learners (6-11 years) with ASD.

Outcomes

PII can be used effectively to address social, communication, behavior, joint attention, play, cognitive, school-readiness, academic, and adaptive skills.

Research Studies Providing Evidence

- Aldred, C., Green, J., & Adams, C. (2004). A new social communication intervention for children with autism: Pilot randomised controlled treatment study suggesting effectiveness. *Journal of Child Psychology and Psychiatry*, 45(8), 1420-1430. doi: 10.1111/j.1469-7610.2004.00338.x
- Green, J., Charman, T., McConachie, H., Aldred, C., Slonims, V., Howlin, P., ... Pickles, A. (2010). Parent-mediated communication-focused treatment in children with autism (PACT): A randomised controlled trial. *Lancet*, 375(9732), 2152-2160. doi: 10.1016/S0140-6736(10)60587-9
- Hsieh, H. H., Wilder, D. A., & Abellon, O. E. (2011). The effects of training on caregiver implementation of incidental teaching. *Journal of Applied Behavior Analysis*, 44(1), 199-203. doi: 10.1901/jaba.2011.44-199
- Jocelyn, L. J., Casiro, O. G., Beattie, D., Bow, J., & Kneisz, J. (1998). Treatment of children with autism: A randomized controlled trial to evaluate a caregiver-based intervention program in community day-care centers. *Journal of Developmental & Behavioral Pediatrics*, 19(5), 326-334. doi: 10.1097/00004703-199810000-00002
- Kaiser, A. P., Hancock, T. B., & Nietfeld, J. P. (2000). The effects of parent-implemented enhanced milieu teaching on the social communication of children who have autism. *Early Education and Development*, 11(4), 423-446. doi: 10.1207/s15566935eed1104_4
- Kasari, C., Gulsrud, A. C., Wong, C., Kwon, S., & Locke, J. (2010). Randomized controlled caregiver mediated joint engagement intervention for toddlers with autism. *Journal of Autism and Developmental Disorders*, 40(9), 1045-1056. doi: 10.1007/s10803-010-0955-5

- Kashinath, S., Woods, J., & Goldstein, H. (2006). Enhancing generalized teaching strategy use in daily routines by parents of children with autism. *Journal of Speech, Language and Hearing Research, 49*(3), 466-485. doi: 10.1044/1092-4388(2006/036)
- Krantz, P. J., MacDuff, M. T., & McClannahan, L. E. (1993). Programming participation in family activities for children with autism: Parents' use of photographic activity schedules. *Journal of Applied Behavior Analysis, 26*(1), 137-138. doi: 10.1901/jaba.1993.26-137
- Moran, D. R., & Whitman, T. L. (1991). Developing generalized teaching skills in mothers of autistic children. *Child & Family Behavior Therapy, 13*(1), 13-37. doi: 10.1300/J019v13n01_02
- Najdowski, A. C., Wallace, M. D., Reagon, K., Penrod, B., Higbee, T. S., & Tarbox, J. (2010). Utilizing a home-based parent training approach in the treatment of food selectivity. *Behavioral Interventions, 25*(2), 89-107. doi: 10.1002/bin.298
- Reagon, K. A., & Higbee, T. S. (2009). Parent implemented script fading to promote play-based verbal initiations in children with autism. *Journal of Applied Behavior Analysis, 42*(3), 659-664. doi: 10.1901/jaba.2009.42-659
- Rickards, A. L., Walstab, J. E., Wright-Rossi, R. A., Simpson, J., & Reddihough, D. S. (2007). A randomized, controlled trial of a home-based intervention program for children with autism and developmental delay. *Journal of Developmental & Behavioral Pediatrics, 28*(4), 308-316. doi: 10.1097/DBP.0b013e318032792e
- Rocha, M. L., Schreibman, L., & Stahmer, A. C. (2007). Effectiveness of training parents to teach joint attention in children with autism. *Journal of Early Intervention, 29*(2), 154-172. doi: 10.1177/105381510702900207
- Schertz, H. H., & Odom, S. L. (2007). Promoting joint attention in toddlers with autism: A parent-mediated developmental model. *Journal of Autism and Developmental Disorders, 37*(8), 1562-1575. doi: 10.1007/s10803-006-0290-z
- Sofronoff, K., Jahnel, D., & Sanders, M. (2011). Stepping Stones Triple P seminars for parents of a child with a disability: A randomized controlled trial. *Research in Developmental Disabilities, 32*(6), 2253-2262. doi: 10.1016/j.ridd.2011.07.046
- Stahmer, A. C., & Gist, K. (2001). The effects of an accelerated parent education program on technique mastery and child outcome. *Journal of Positive Behavior Interventions, 3*(2), 75-82. doi: 10.1177/109830070100300203
- Stiebel, D. (1999). Promoting augmentative communication during daily routines: A parent problem-solving intervention. *Journal of Positive Behavior Interventions, 1*(3), 159-169. doi: 10.1177/109830079900100304
- Symon, J. B. (2005). Expanding interventions for children with autism parents as trainers. *Journal of Positive Behavior Interventions, 7*(3), 159-173. doi: 10.1177/10983007050070030501
- Tarbox, J., Wallace, M. D., & Tarbox, R. S. (2002). Successful generalized parent training and failed schedule thinning of response blocking for automatically maintained object mouthing. *Behavioral Interventions, 17*(3), 169-178. doi: 10.1002/bin.116
- Whittingham, K., Sofronoff, K., Sheffield, J., & Sanders, M. R. (2009). Stepping Stones Triple P: An RCT of a parenting program with parents of a child diagnosed with an autism spectrum disorder. *Journal of Abnormal Child Psychology, 37*(4), 469-480. doi: 10.1007/s10802-008-9285-x

PARENT-IMPLEMENTED INTERVENTION FACT SHEET—SUGGESTED CITATION

Schultz, T. R. (2013). *Parent-implemented intervention (PII) fact sheet*. Chapel Hill: The University of North Carolina, Frank Porter Graham Child Development Institute, The National Professional Development Center on Autism Spectrum Disorders.

Adapted from:

Hendricks, D. R. (2009). *Overview of parent-implemented intervention*. Chapel Hill: The University of North Carolina, Frank Porter Graham Child Development Institute, The National Professional Development Center on Autism Spectrum Disorders.