# Brief Summary: Fact Sheet of Research on Preschool Inclusion

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1	In 27 years, the practice of providing special education and related services in regular early childhood settings to preschoolers with disabilities has increased only 5.7% and many young children with disabilities continue to be educated in separate settings. <sup>1,2</sup>
2	Inclusion benefits children with and without disabilities. 3, 4, 5, 6, 7
3	The quality of preschool programs including at least one student with a disability were as good as or better than preschool programs without children with disabilities. However, traditional measures of early childhood program quality might not be sufficient for assessing quality of programs that include children with disabilities. <sup>8,9</sup>
4	Children with disabilities can be effectively educated in inclusive programs using specialized instruction. $^{10,\ 11,\ 12,\ 13}$
5	Parents and teachers influence children's values regarding disabilities. 14, 15, 16
6	Individualized embedded instruction can be used to teach a variety of skills, including those related to early learning standards, and promote participation in inclusive preschool programs to children with and without disabilities. <sup>17, 18, 19, 20, 21</sup>
7	Families of children with and without disabilities generally have positive views of inclusion. <sup>22, 23</sup>
8	Inclusion is not more expensive than having separate programs for children with disabilities. <sup>24, 25</sup>
9	Successful inclusion requires intentional and effective collaboration and teaming. 26 *
0	The individual outcomes of preschool inclusion should include access, membership, participation, friendships, and support. <sup>27</sup> *

*Note.* A sample of empirical citations are provided for each "fact." Thus, this fact sheet does not provide a comprehensive list of the references for each "fact." The citations were intentionally identified to include recent references, representation across disabilities when possible, and studies using rigorous methods.

Children with disabilities do not need to be "ready" to be included. Programs need to be "ready"

\*These facts are based on principles guiding the field of early childhood special education, recommended practices, and our collective knowledge and experiences.

to support all children. 27 \*

#### **Endnotes**

- <sup>1</sup>U. S. Department of Education. (2014). 2012 IDEA Part B Child Count and Educational Environment. Retrieved from <a href="https://explore.data.gov/Education/2012-IDEA-Part-B-Child-Count-and-Educational-Envir/5t72-4535">https://explore.data.gov/Education/2012-IDEA-Part-B-Child-Count-and-Educational-Envir/5t72-4535</a>
- <sup>2</sup>U. S. Department of Education. (1987). Annual report to congress on the implementation of the Education of the Handicapped Act.US Department of Education, Washington, D.C.
- <sup>3</sup>Buysse, V., Goldman, B. D., & Skinner, M. L. (2002). Setting effects on friendship formation among young children with and without disabilities. *Exceptional Children, 68,* 503–517.
- <sup>4</sup>Cross, A. F., Traub, E. K., Hutter-Pishgahi, L., & Shelton, G. (2004). Elements for successful inclusion for children with significant disabilities. *Topics in Early Childhood Special Education*, *24*, 169–183.
- <sup>5</sup>Holahan, A., & Costenbader, V. (2000). A comparison of developmental gains for preschool children with disabilities in inclusive and self-contained classrooms. *Topics in Early Childhood Special Education, 20,* 224-235.
- <sup>6</sup>Odom, S. L., Zercher, C., Li, S., Marquart, J., Sandall, S., & Brown, W. (2006). Social acceptance and social rejection of young children with disabilities in inclusive classes. *Journal of Educational Psychology, 98,* 807–823.
- <sup>7</sup>Strain, P., & Hoyson, M. (2000). The need for longitudinal, intensive social skill intervention: LEAP follow-up outcomes for children with autism. *Topics in Early Childhood Special Education, 20,* 116–122.
- <sup>8</sup>Buysse, V., Wesley, P. W., Bryant, D., & Gardner, D. (1999). Quality of early childhood programs in inclusive and noninclusive settings. *Exceptional Children*, *65*, 301–314.
- <sup>9</sup>Soukakou, E. P. (2012). Measuring the quality of inclusive preschool classrooms: Development and validation of the Inclusive Classroom Profile. *Early Childhood Research Quarterly, 27,* 478–488.
- <sup>10</sup>Division for Early Childhood. (2014). *DEC recommended practices in early intervention/early childhoodspecial education*. Retrieved from <a href="http://www.dec-sped.org/recommendedpractices">http://www.dec-sped.org/recommendedpractices</a>
- <sup>11</sup>Odom, S. L., DeKlyen, M., & Jenkins, J. R. (1984). Integrating handicapped and nonhandicapped preschool children: Developmental impact on the nonhandicapped children. *Exceptional Children*, *51*, 41–48.
- <sup>12</sup>Rafferty, Y., Piscitelli, V., & Boettcher, C. (2003). The impact of inclusion on language development and social competence among preschoolers with disabilities. *Exceptional Children*, *69*, 467–479.
- <sup>13</sup>Strain, P., & Bovey, E. (2011). Randomized, controlled trials of the LEAP model of early intervention for young children with Autism Spectrum Disorders. *Topics in Early Childhood Special Education*, *31*, 133–154.
- <sup>14</sup>Diamond, K. E., & Huang, H. (2005). Preschoolers ideas about disabilities. *Infants and Young Children, 18,* 37–46.
- <sup>15</sup>Innes, F., & Diamond, K. E. (1999). Typically developing children's interactions with peers with disabilities: Relationships between mothers' comments and children's ideas about disabilities. *Topics in Early Childhood Special Education*, 19, 103–111.
- <sup>16</sup>Okagaki, L., Diamond, K., Kontos, S., & Hestenes, L. (1998). Correlates of young children's interactions with classmates with disabilities. *Early Childhood Research Quarterly*, *13*, 67–86.
- <sup>17</sup>Daugherty, S., Grisham-Brown, J., & Hemmeter, M. L. (2001). The effects of embedded skill instruction on the acquisition of target and nontarget skills in preschoolers with developmental delays. *Topics in Early Childhood Special Education*, *21*, 213–221.

- <sup>18</sup>Grisham-Brown, J., Schuster, J.W., Hemmeter, M.L, & Collins, B.C. (2000). Using an embedding strategy to teach preschoolers with significant disabilities. *Journal of Behavioral Education*, *10*, 139–162.
- <sup>19</sup>Grisham-Brown, J. L., Pretti-Frontczak, K., Hawkins, S., & Winchell, B. (2009). Addressing early learning standards for all children within blended preschool classrooms. *Topics in Early Childhood Special Education*, *29*, 131–142.
- <sup>20</sup>Robertson, J., Green, K., Alper, S., Schloss, P. J., & Kohler, F. (2003). Using peer-mediated intervention to facilitate children's participation in inclusive child care activities. *Education & Treatment of Children, 26,* 182–197.
- <sup>21</sup>Venn, M. L., Wolery, M., Werts, M. G., Morris, A., DeCesare, L. D., & Cuffs, M. S. (1993). Embedding instruction in art activities to teach preschoolers with disabilities to imitate their peers. *Early Childhood Research Quarterly, 8,* 277–294.
- <sup>22</sup>Kasari, C., Freeman, S. F. N., Bauminger, N., & Alkin, M. C. (1999). Parental perspectives on inclusion: Effects of autism and down syndrome. *Journal of Autism and Developmental Disorders, 29,* 297–305.
- <sup>23</sup>Rafferty, Y., & Griffin, K. W. (2005). Benefits and risks of reverse inclusion for preschoolers with and without disabilities: Perspectives of parents and providers. *Journal of Early Intervention*, *27*, 173–192.
- <sup>24</sup>Odom, S. L., Hanson, M. J., Lieber, J., Marquart, J., Sandall, S., Wolery, R., ... Chambers, J. (2001). The costs of preschool inclusion. *Topics in Early Childhood Special Education*, *21*, 46-55.
- <sup>25</sup>Odom, S. L., Parrish, T., & Hikido, C. (2001). The costs of inclusion and noninclusive special education preschool programs. *Journal of Special Education Leadership, 14,* 33–41.
- <sup>26</sup>Division for Early Childhood. (2014). *DEC recommended practices in early intervention/early childhood special education*. Retrieved from <a href="http://www.dec-sped.org/recommendedpractices">http://www.dec-sped.org/recommendedpractices</a>
- <sup>27</sup>DEC/NAEYC. (2009). Early childhood inclusion: A joint position statement of the Division for Early Childhood (DEC) and the National Association for the Education of Young Children (NAEYC). Chapel Hill: The University of North Carolina, FPG Child Development Institute.

### **Additional References**

- Buysse, V. (2011). Access, participation, and supports: The defining features of high-quality inclusion. *Zero to Three Journal, 31*(4), 24–29.
- Buysse, V., & Hollingsworth, H. L. (2009). Research synthesis points on early childhood inclusion: What every practitioner and all families should know. *Young Exceptional Children*, *11*, 18–30.
- Lieber, J., Hanson, M. J., Beckman, P. J., Odom, S. L., Sandall, S. R., Schwartz, I. S., .... Wolery, R. (2000). Key influences on the initiation and implementation of inclusive preschool programs. *Exceptional Children*, *67*, 83–98.
- National Professional Development Center on Inclusion. (2009). Research synthesis points on early childhood inclusion. Chapel Hill, NC: The University of North Carolina, FPG Child Development Institute, Author. Retrieved from http://community.fpg.unc.edu/resources/articles/NDPCI-ResearchSynthesis-9-2007.pdf/view
- Odom, S. L. (2000). Preschool inclusion: What we know and where we go from here. *Topics in Early Childhood Special Education, 20* (1), 20–27.
- Odom, S. L., & Bailey, D. B. (2001). Inclusive preschool programs: Classroom ecology and child outcomes. In M. Guralnick (Ed.), *Focus on change* (pp. 253–276). Baltimore, MD: Brookes.
- Odom, S. L., Vitztum, J., Wolery, R., Lieber, J., Sandall, S., Hanson, M. J., ... Horn, E. (2004). Preschool inclusion in the United States: A review of research from an ecological systems perspective. *Journal of Research in Special Educational Needs*, 4, 17–49.
- Odom, S. L., Buysse, V., & Soukakou, E. (2011). Inclusion for young children with disabilities: A quarter century of research perspectives. *Journal of Early Intervention*, *33*, 344–357.

Purcell, M. L., Horn, E., & Palmer, S. (2007). A qualitative study of initiation and continuation of preschool inclusion. *Exceptional Children, 74,* 85–99.

Sandall, S., Hemmeter, M. L., Smith, B. J., & McLean, M. E. (Eds.). (2005). *DEC recommended practices: A comprehensive guide for practical application in early intervention/early childhood special education.* Missoula, MT: Division for Early Childhood.

#### **Suggested reference:**

Barton, E. E., & Smith, B. J. (2014). *Brief summary: Fact sheet on preschool inclusion.* Pyramid Plus: The Colorado Center for Social Emotional Competence and Inclusion. Denver, CO.

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