

# Professional Development Tools to Improve the Quality of Infant and Toddler Care: A Review of the Literature

## Appendix Tables



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# Professional Development Tools to Improve the Quality of Infant and Toddler Care: A Review of the Literature

## Appendix Tables

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Administration for Children and Families  
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Washington, DC 20201  
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## **OVERVIEW**

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The literature review for the Professional Development Tools to Improve the Quality of Infant and Toddler Care (Q-CCIIT PD Tools) project summarizes the state of the field, highlighting the most promising methods and approaches for enhancing caregiver interactions with young children, particularly caregivers serving infants and toddlers, those with limited education, and those in home-based and family child care (FCC) settings. The review is not exhaustive; instead, it identifies the professional development (PD) resources and components most pertinent to the development of new PD tools and the project's conceptual framework. It draws on 122 studies, including 31 focused on caregivers serving infants and toddlers and 26 with caregivers in home-based or FCC settings. In this set of appendix tables, we summarize key aspects of each study included in the review. A separate report, "Professional Development Tools to Improve the Quality of Infant and Toddler Care: A Review of the Literature," highlights key findings from the review and their implications.

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Citation	Age of child population: Infant, Toddler, Preschool (ages 3-5), Other, Not applicable	ECE setting for caregiver: Center, Home-based care, FCC setting, Other	PD approaches employed						PD strategies employed							
			Coaching	Mentoring or supervision	Workshops	Coursework	Curricula	Use of video, online content, or other technology	Trusting relationships	Goal setting	Opportunity for practice	Frequent feedback	Modeling	Active learning	Self-reflection	Quality observations
Fabiano, Gregory A., Rebecca K. Vujnovic, Daniel A. Waschbusch, Jihnhee Yu, Terry Mashtare, Meaghan E. Pariseau, William E. Pelham, Brittany R. Parham, and Kalima J. Smalls. "A Comparison of Workshop Training Versus Intensive, Experiential Training for Improving Behavior Support Skills in Early Educators." <i>Early Childhood Research Quarterly</i> , vol. 28, no. 2, 2013, pp. 450-460.	Preschool	Center	X	X	X			X			X	X		X	X	
Brendefur, Jonathan, Sam Strother, Keith Thiede, Cristianne Lane, and Mary Surges-Prokop. "A Professional Development Program to Improve Math Skills among Preschool Children in Head Start." <i>Early Childhood Education Journal</i> , vol. 41, no. 3, 2013, pp. 187-195.	Preschool	Center			X					X				X		
Boavida, Tã, Cecília Aguiar, and R. A. McWilliam. "A Training Program to Improve IFSP/IEP Goals and Objectives through the Routines-Based Interview." <i>Topics in Early Childhood Special Education</i> , vol. 33, no. 4, 2014, pp. 200-211.	Not applicable	Not provided	X			X	X	X		X	X	X		X	X	
Gloeckler, Lissy R., Jennifer M. Cassell, and Amy J. Malkus. "An Analysis of Teacher Practices with Toddlers during Social Conflicts." <i>Early Child Development &amp; Care</i> , vol. 184, no. 5, 2014, pp. 749-765.	Toddler	Center			X								X			
Lambert, Richard, Peggy A. Gallagher, and Martha Abbott-Shim. "An Evaluation of the Intensity of Mentoring: Child Outcomes." <i>Early Child Development &amp; Care</i> , vol. 185, no. 8, 2015, pp. 1314-1330.	Preschool	Center		X		X		X		X	X					X
Artman-Meeker, Kathleen, Angel Fettig, Erin E. Barton, Ashley Penney, and Songtian Zeng. "Applying an Evidence-Based Framework to the Early Childhood Coaching Literature." <i>Topics in Early Childhood Special Education</i> , vol. 35, no. 3, 2015, pp. 183-196.	Infant, Toddler, Preschool, Other (ages ranged from birth to 7 years old)	Center, Home-based care, FCC setting	X					X	X	X	X	X	X	X	X	X
Carter, Deborah, and Renee Norman. "Class-Wide Positive Behavior Support in Preschool: Improving Teacher Implementation Through Consultation." <i>Early Childhood Education Journal</i> , vol. 38, no. 4, 2010, pp. 279-288.	Preschool	Center	X						X	X			X	X		
Biringen, Zeynep, Shannon Altenhofen, Jennifer Aberle, Megan Baker, Aubrey Brosal, Sera Bennett, Ellen Coker, Carly Lee, Beatrice Meyer, Albertha Moorlag, and Randall Swaim. "Emotional Availability, Attachment, and Intervention in Center-Based Child Care for Infants and Toddlers." <i>Development &amp; Psychopathology</i> , vol. 24, no. 1, 2012, pp. 23-34.	Infant, Toddler	Center	X	X	X					X						X
Ottley, Jennifer R. and Mary F. Hanline. "Bug-in-Ear Coaching: Impacts on Early Childhood Educators' Practices and Associations with Toddlers' Expressive Communication." <i>Journal of Early Intervention</i> , vol. 36, no. 2, 2014, pp. 90-110 21p.	Toddler	Center	X					X		X	X	X				X
Powell, Douglas R. and Karen E. Diamond. "Implementation Fidelity of a Coaching-Based Professional Development Program for Improving Head Start Teachers' Literacy and Language Instruction." <i>Journal of Early Intervention</i> , vol. 35, no. 2, 2013, pp. 102-128 27p.	Preschool	Center	X		X			X			X					X
Knoche, Lisa L., Miriam Kuhn, and Jungwon Eum. "More Time. More Showing. More Helping. That's How it Sticks: The Perspectives of Early Childhood Coaches." <i>Infants &amp; Young Children: An Interdisciplinary Journal of Early Childhood Intervention</i> , vol. 26, no. 4, 2013, pp. 349-365.	Preschool	Center	X	X				X	X	X	X	X	X	X	X	
Manlove, Elizabeth E., Arcel Vazquez, and Lynne Vernon-Feagans. "The Quality of Caregiving in Child Care: Relations to Teacher Complexity of Thinking and Perceived Supportiveness of the Work Environment." <i>Infant &amp; Child Development</i> , vol. 17, no. 3, 2008, pp. 203-222.	Infant, Toddler	Center														X
Hamre, Bridget K., Robert C. Pianta, Margaret Burchinal, Samuel Field, Jennifer LoCasale-Crouch, Jason T. Downer, Carollee Howes, Karen LaParo, and Catherine Scott-Little. "A Course on Effective Teacher-Child Interactions: Effects on Teacher Beliefs, Knowledge, and Observed Practice." <i>American Educational Research Journal</i> , vol. 49, no. 1, 2012, pp. 88-123.	Preschool	Center	X			X	X	X	X	X	X	X	X	X	X	

Citation	Age of child population: Infant, Toddler, Preschool (ages 3-5), Other, Not applicable	ECE setting for caregiver: Center, Home-based care, FCC setting, Other	Coaching	Mentoring or supervision	Workshops	Coursework	Curricula	Use of video, online content, or other technology	Trusting relationships	Goal setting	Opportunity for practice	Frequent feedback	Modeling	Active learning	Self-reflection	Quality observations
Trivette, Carol M., Melinda Raab, and Carl J. Dunst. "An Evidence-Based Approach to Professional Development in Head Start Classrooms." <i>NHSA Dialog</i> , vol. 15, no. 1, 2012, pp. 41-58.	Preschool	Center	X	X						X	X	X	X	X	X	X
Landry, Susan, Paul Swank, Jason Anthony, and Michael Assel. "An Experimental Study Evaluating Professional Development Activities Within a State Funded Pre-Kindergarten Program." <i>Reading &amp; Writing</i> , vol. 24, no. 8, 2011, pp. 971-1010.	Preschool	Center		X	X		X			X	X		X	X	X	X
Burns, M. S., Julie K. Kidd, Ilham Nasser, Deepa J. Aier, and Robert Stechuk. "An Interaction, a Conversation, often in the Context of Play: Constructing Intentional Teaching in Early Childhood Education." <i>NHSA Dialog</i> , vol. 15, no. 3, 2012, pp. 272-285.	Preschool	Center		X	X		X			X	X	X	X	X		
Roskos, Kathleen and Karen Burstein. "Assessment of the Design Efficacy of a Preschool Vocabulary Instruction Technique." <i>Journal of Research in Childhood Education</i> , vol. 25, no. 3, 2011, pp. 268-287.	Preschool	Center	X					X	X	X	X		X			
Snyder, Patricia, Mary L. Hemmeter, Kathleen Artman Meeker, Kiersten Kinder, Cathleen Pasia, and Tara McLaughlin. "Characterizing Key Features of the Early Childhood Professional Development Literature." <i>Infants &amp; Young Children: An Interdisciplinary Journal of Early Childhood Intervention</i> , vol. 25, no. 3, 2012, pp. 188-212.	Infant, Toddler, Preschool	Center, FCC setting	X								X	X		X		
Rudd, Loretta C., David W. Cain, and Terrill F. Saxon. "Does Improving Joint Attention in Low-Quality Child-Care Enhance Language Development?" <i>Early Child Development &amp; Care</i> , vol. 178, no. 3, 2008, pp. 315-338.	Infant, Toddler	Center	X	X			X			X	X	X	X			X
Pianta, Robert C., Jamie DeCoster, Sonia Cabell, Margaret Burchinal, Bridget K. Hamre, Jason Downer, Jennifer LoCasale-Crouch, Amanda Williford, and Carollee Howes. "Dose-response Relations between Preschool Teachers' Exposure to Components of Professional Development and Increases in Quality of their Interactions with Children." <i>Early Childhood Research Quarterly</i> , vol. 29, no. 4, 2014, pp. 499-508.	Preschool	Center	X				X									
DeVore, Simone and Karen Russell. "Early Childhood Education and Care for Children with Disabilities: Facilitating Inclusive Practice." <i>Early Childhood Education Journal</i> , vol. 35, no. 2, 2007, pp. 189-198.	Preschool	Center						X	X	X	X	X	X			X
Milburn, Trelani F., Kathleen Hipfner-Boucher, Elaine Weitzman, Janice Greenberg, Janette Pelletier, and Luigi Girolametto. "Effects of Coaching on Educators' and Preschoolers' Use of References to Print and Phonological Awareness During a Small-Group Craft/Writing Activity." <i>Language, Speech, and Hearing Services in Schools</i> , vol. 46, 2015, pp. 91-111.	Preschool	Center	X	X	X		X		X	X	X		X	X	X	X
Tyler, Ann A., Heather Osterhouse, Katherine Wickham, Robert Mcnutt, and Yanyuan Shao. "Effects of Explicit Teacher-Implemented Phoneme Awareness Instruction in 4-Year-Olds." <i>Clinical Linguistics &amp; Phonetics</i> , vol. 28, no. 7, 2014, pp. 493-507.	Preschool	Center		X	X				X	X	X		X	X	X	X
Cain, David W., Loretta C. Rudd, and Terrill F. Saxon. "Effects of Professional Development Training on Joint Attention Engagement in Low-Quality Childcare Centers." <i>Early Child Development &amp; Care</i> , vol. 177, no. 2, 2007, pp. 159-185.	Toddler	Center	X													
Fukkink, Ruben G. and Louis W. C. Tavecchio. "Effects of Video Interaction Guidance on Early Childhood Teachers." <i>Teaching &amp; Teacher Education</i> , vol. 26, no. 8, 2010, pp. 1652-1659.	Not applicable	Center	X				X									
Girolametto, Luigi, Elaine Weitzman, and Janice Greenberg. "Facilitating Emergent Literacy: Efficacy of a Model that Partners Speech-Language Pathologists and Educators." <i>American Journal of Speech-Language Pathology</i> , vol. 21, no. 1, 2012, pp. 47-63.	Preschool	Center	X	X		X	X	X	X	X	X	X	X	X	X	X
Kyzar, Kathleen B., Caya Chiu, Peggy Kemp, Heather M. Aldersey, Ann P. Turnbull, and David P. Lindeman. "Feasibility of an Online Professional Development Program for Early Intervention Practitioners." <i>Infants &amp; Young Children: An Interdisciplinary Journal of Early Childhood Intervention</i> , vol. 27, no. 2, 2014, pp. 174-191.	Not applicable	Other (early intervention in natural contexts)	X	X	X		X					X	X	X		



Citation	Age of child population: Infant, Toddler, Preschool (ages 3-5), Other, Not applicable	ECE setting for caregiver: Center, Home-based care, FCC setting, Other															
			Coaching	Mentoring or supervision	Workshops	Coursework	Curricula	Use of video, online content, or other technology	Trusting relationships	Goal setting	Opportunity for practice	Frequent feedback	Modeling	Active learning	Self-reflection	Quality observations	
Domitrovich, Celene E., Scott D. Gest, Sukhdeep Gill, Karen L. Bierman, Janet A. Welsh, and Damon Jones. "Fostering High-Quality Teaching with an Enriched Curriculum and Professional Development Support: The Head Start REDI Program." <i>American Educational Research Journal</i> , vol. 46, no. 2, 2009, pp. 567-597.	Preschool	Center	X	X						X	X	X	X			X	
Nasser, Ilham, Julie K. Kidd, M. S. Burns, and Trina Campbell. "Head Start Classroom Teachers' and Assistant Teachers' Perceptions of Professional Development using a LEARN Framework." <i>Professional Development in Education</i> , vol. 41, no. 2, 2015, pp. 344-365.	Preschool	Center		X	X	X	X	X		X	X	X	X		X	X	X
Breffni, Lorraine. "Impact of Curriculum Training on State-Funded Prekindergarten Teachers' Knowledge, Beliefs, and Practices." <i>Journal of Early Childhood Teacher Education</i> , vol. 32, no. 2, 2011, pp. 176-193.	Preschool	Center				X					X			X			
Grace, Cathy, Denis Bordelon, Pat Cooper, Richard Kazelskis, Carolyn Reeves, and Dana G. Thames. "Impact of Professional Development on the Literacy Environments of Preschool Classrooms." <i>Journal of Research in Childhood Education</i> , vol. 23, no. 1, 2008, pp. 52-81.	Preschool	Center	X	X	X	X	X					X	X				X
Wenz-Gross, Melodie and Carole Upshur. "Implementing a Primary Prevention Social Skills Intervention in Urban Preschools: Factors Associated with Quality and Fidelity." <i>Early Education &amp; Development</i> , vol. 23, no. 4, 2012, pp. 427-450.	Preschool	Center	X	X	X		X			X		X		X	X	X	X
McAllister, Carol L. and Tammy Thomas. "Infant Mental Health and Family Support: Contributions of Early Head Start to an Integrated Model for Community-Based Early Childhood Programs." <i>Infant Mental Health Journal</i> , vol. 28, no. 2, 2007, pp. 192-215.	Infant, toddler	Home-based care		X						X						X	
Hollingsworth, Heidi and Chih-Ing Lim. "Instruction Via Web-Based Modules in Early Childhood Personnel Preparation: A Mixed-Methods Study of Effectiveness and Learner Perspectives." <i>Early Childhood Education Journal</i> , vol. 43, no. 2, 2015, pp. 77-88.	Not applicable	Not applicable				X	X	X									
Sarama, Julie, Douglas H. Clements, Christopher B. Wolfe, and Mary E. Spitzer. "Longitudinal Evaluation of a Scale-Up Model for Teaching Mathematics with Trajectories and Technologies." <i>Journal of Research on Educational Effectiveness</i> , vol. 5, no. 2, 2012, pp. 105-135.	Preschool, Other (Kindergarten)	Center, Other (Kindergarten)	X		X			X						X			
Conroy, Maureen A., Kevin S. Sutherland, James J. Algina, Reynolds E. Wilson, Jose R. Martinez, and Kelly J. Whalon. "Measuring Teacher Implementation of the BEST in CLASS Intervention Program and Corollary Child Outcomes." <i>Journal of Emotional &amp; Behavioral Disorders</i> , vol. 23, no. 3, 2015, pp. 144-155.	Preschool	Center	X					X			X	X	X				
Abell, Ellen, Dilbur Arsiwalla, Robin Putnam, and Ellaine Miller. "Mentoring and Facilitating Professional Engagement as Quality Enhancement Strategies: An Overview and Evaluation of the Family Child Care Partnerships Program." <i>Child &amp; Youth Care Forum</i> , vol. 43, no. 5, 2014, pp. 569-592.	Not provided	FCC setting	X	X				X		X		X					
Ciucci, Enrica, Andrea Baroncelli, and Monica Toselli. "Meta-Emotion Philosophy in Early Childhood Teachers: Psychometric Properties of the Crèche Educator Emotional Styles Questionnaire." <i>Early Childhood Research Quarterly</i> , vol. 33, 2015, pp. 1-11.	Infant, Toddler	Center															
Gooch, Kathleen and Sacha Powell. "Orchestrating Professional Development for Infant Baby Room Practitioners: Raising the Stakes in New Dialogic Encounters." <i>Journal of Early Childhood Research</i> , vol. 11, no. 1, 2013, pp. 78-92.		Center	X	X	X			X		X		X		X			X
Schwanenflugel, Paula J., Claire E. Hamilton, Stacey Neuharth-Pritchett, M. A. Restrepo, Barbara A. Bradley, and Mi-Young Webb. "PAVED for Success: An Evaluation of a Comprehensive Preliteracy Program for Four-Year-Old Children." <i>Journal of Literacy Research</i> , vol. 42, no. 3, 2010, pp. 227-275.	Preschool	Center			X						X			X			

Citation	Age of child population: Infant, Toddler, Preschool (ages 3-5), Other, Not applicable	ECE setting for caregiver: Center, Home-based care, FCC setting, Other	Coaching	Mentoring or supervision	Workshops	Coursework	Curricula	Use of video, online content, or other technology	Trusting relationships	Goal setting	Opportunity for practice	Frequent feedback	Modeling	Active learning	Self-reflection	Quality observations
Rusby, Julie, Laura Jones, Ryann Crowley, Keith Smolkowski, and Chris Arthun. "Predictors of Home-Based Child Care Providers' Participation in Professional Development Workshops and Coaching." Child & Youth Care Forum, vol. 42, no. 5, 2013, pp. 439-455.	Preschool	Home-based care	X	X	X			X		X	X	X	X			
Donovan, Lauren, Dacia McCoy, Hilary Denune, David W. Barnett, Janet L. Graden, and Victoria Carr. "Preparing Doctoral-Level Consultants for Systems Change: Implementing and Supervising Multitiered Practices in Early Childhood Education." Journal of Educational & Psychological Consultation, vol. 25, no. 2, 2015, pp. 252-275.	Preschool	Center	X						X		X					
Coogle, C.G., N.L. Rahn, and J.R. Ottley. "Pre-Service Teacher Use of Communication Strategies Upon Receiving Immediate Feedback." Early Childhood Research Quarterly, vol. 32, 2015, pp. 105-115.	Preschool	Center					X				X		X		X	
Piasta, Shayne B., Jessica A.R. Logan, Christina Yeager Pelatti, Janet L. Capps, and Stephen A. Petrill. "Professional Development for Early Childhood Educators: Efforts to Improve Math and Science Learning Opportunities in Early Childhood Classrooms." Journal of Educational Psychology, vol. 107, no. 2, 2015, pp. 407-422.	Preschool	Center		X									X	X		
Cunningham, Anne E., Kelly Etter, Linda Platas, Sarah Wheeler, and Kelly Campbell. "Professional Development in Emergent Literacy: A Design Experiment of Teacher Study Groups." Early Childhood Research Quarterly, vol. 31, 2015, pp. 62-77.	Preschool	Center						X	X	X	X	X	X	X		
Brown, Jill R., Lisa L. Knoche, Carolyn P. Edwards, and Susan M. Sheridan. "Professional Development to Support Parent Engagement: A Case Study of Early Childhood Practitioners." Early Education & Development, vol. 20, no. 3, 2009, pp. 482-506.	Infant, Toddler, Preschool	Center, Other (home visiting services)	X	X			X	X	X	X				X		
Steed, Elizabeth A., Tina Pomerleau, Howard Muscott, and Leigh Rohde. "Program-Wide Positive Behavioral Interventions and Supports in Rural Preschools." Rural Special Education Quarterly, vol. 32, no. 1, 2013, pp. 38-46.	Preschool	Center	X	X				X	X	X				X		
Neuman, Susan B. and Tanya S. Wright. "Promoting Language and Literacy Development for Early Childhood Educators: A Mixed-Methods Study of Coursework and Coaching." Elementary School Journal, vol. 111, no. 1, 2010, pp. 63-86.	Preschool	FCC, Center	X		X	X	X	X	X				X			
Morrison, Johnetta W., Pam Raya-Carlton, Jennifer K. Henk, and Kathy R. Thornburg. "Satellite-Based Distance Courses for in-Service Training." Quarterly Review of Distance Education, vol. 8, no. 1, 2007, pp. 35-46.	Infant, Toddler, Preschool	Center		X	X		X			X	X		X		X	
Brown, Alice, and Sue Inglis. "So What Happens After the Event? Exploring the Realisation of Professional Development Within Early Childhood Educators." Australasian Journal of Early Childhood, vol. 38, no. 1, 2013, pp. 11-15.	Toddler	Center		X		X										
Neuman, Susan B., Ashley Pinkham, and Tanya Kaefer. "Supporting Vocabulary Teaching and Learning in Prekindergarten: The Role of Educative Curriculum Materials." Early Education & Development, vol. 26, no. 7, 2015, pp. 988-1011.	Preschool	Center	X				X			X			X			
Li-Grining, Christine P., C. Cybele Raver, Darlene Jones-Lewis, Sybil Madison-Boyd, and Jaclyn Lennon. "Targeting Classrooms' Emotional Climate and Preschoolers' Socioemotional Adjustment Implementation of the Chicago School Readiness Project." Journal of Prevention and Intervention in the Community, vol. 42, no. 4, 2014, pp. 264-281.	Preschool	Center	X	X	X	X				X	X		X			
Onchwari, Grace, and Jared Keengwe. "Teacher Mentoring and Early Literacy Learning: A Case Study of a Mentor-Coach Initiative." Early Childhood Educational Journal, vol. 37, 2010, pp. 311-317.	Preschool	Center	X	X				X								
Lindo, Natalya A., Dalena Dillman Taylor, Kristin Meany-Walen, Katherine Purswell, Kimberly Jayne, Terri Gonzales, and Leslie Jones. "Teachers as Therapeutic Agents: Perceptions of a School-Based Mental Health Initiative." British Journal of Guidance & Counselling, vol. 42, no. 3, 2014, pp. 284-296.	Preschool	Center	X	X	X	X	X		X	X	X	X	X			X

Citation	Age of child population: Infant, Toddler, Preschool (ages 3-5), Other, Not applicable	ECE setting for caregiver: Center, Home-based care, FCC setting, Other	Coaching	Mentoring or supervision	Workshops	Coursework	Curricula	Use of video, online content, or other technology	Trusting relationships	Goal setting	Opportunity for practice	Frequent feedback	Modeling	Active learning	Self-reflection	Quality observations
Mohler, Geri, M. Kimoa, Amy Carter, and Deb Kasak. "The Effect of Curriculum, Coaching, and Professional Development on Prekindergarten Children's Literacy Achievement." Journal of Early Childhood Teacher Education, vol. 30, no. 1, 2009, pp. 49-68.	Preschool	Center	X		X	X		X					X	X		
Moreno, Amanda J., Sheridan Green, and Jo Koehn. "The Effectiveness of Coursework and Onsite Coaching at Improving the Quality of Care in Infant-Toddler Settings." Early Education & Development, vol. 26, no. 1, 2015, pp. 66-88.	Infant, Toddler	Center, FCC setting	X			X	X							X		
Dennis, Lindsay and Eva Horn. "The Effects of Professional Development on Preschool Teachers' Instructional Behaviours during Storybook Reading." Early Child Development & Care, vol. 184, no. 8, 2014, pp. 1160-1177.	Preschool	Center	X			X		X		X	X	X				X
Neuman, Susan B. and Linda Cunningham. "The Impact of Professional Development and Coaching on Early Language and Literacy Instructional Practices." American Educational Research Journal, vol. 46, no. 2, 2009, pp. 532-566.	Preschool	Center, Home-based care	X			X		X		X	X		X	X	X	
Rispoli, Mandy, Mack D. Burke, Heather Hatton, Jennifer Ninci, Samar Zaini, and Lisa Sanchez. "Training Head Start Teachers to Conduct Trial-Based Functional Analysis of Challenging Behavior." Journal of Positive Behavior Interventions, vol. 17, no. 4, 2015, pp. 235-244.	Preschool	Center	X			X		X		X	X	X	X			X
Pasnik, Shelley, Carlin Llorente, Education Development Center, and SRI International. "2012 Preschool Pilot Study of PBS KIDS Transmedia Mathematics Content: A Report to the CPB-PBS Ready to Learn Initiative." Education Development Center, Inc, 2012.	Preschool	Center	X			X	X		X		X		X			X
Hamre, Bridget K., Robert C. Pianta, Margaret Burchinal, Jason T. Downer, and Society for Research on Educational Effectiveness. "A Course on Supporting Early Language and Literacy Development through Effective Teacher-Child Interactions: Effects on Teacher Beliefs, Knowledge and Practice." Society for Research on Educational Effectiveness, 2010.	Preschool, Other (child care, age range not specified)	Center				X		X				X		X	X	
Landry, Susan H., Mike A. Assel, Paul R. Swank, Jason L. Anthony, and the Society for Research on Educational Effectiveness. "An Experimental Study Evaluating a State-Funded Pre-Kindergarten Program: Bringing Together Subsidized Childcare, Public School, and Head Start." Evanston, IL: Society for Research on Educational Effectiveness, 2009.	Preschool	Not provided		X	X			X		X	X	X	X			
Muscott, Howard S., Tina Pomerleau, and Sherry Dupuis. "Anchors Away! Implementing Program-Wide Positive Behavior Supports at the Visiting Nurses Association Child Care and Family Resource Center." NHSA Dialog, vol. 12, no. 2, 2009, pp. 104-121.	Preschool	Center			X											
Wilson, Kaitlyn P., Jessica R. Dykstra, Linda R. Watson, Brian A. Boyd, and Elizabeth R. Crais. "Coaching in Early Education Classrooms Serving Children with Autism: A Pilot Study." Online submission, April 1, 2012.	Preschool	Center	X		X				X	X		X				
Hong, Alice S. and Patricia M. Martin. "Does Brief in-Service Training Help Teachers Increase Turn-Taking Talk and Socratic Questions with Low-Income Preschoolers?" NHSA Dialog, vol. 12, no. 1, 2009, pp. 33-44.	Preschool	Center	X		X			X		X		X				X
Collins, Ann, Barbara Goodson, Administration for Children and Families (DHHS), Office of Planning, and Abt Associates Inc. "Evaluation of Child Care Subsidy Strategies: Massachusetts Family Child Care Study. Executive Summary." Administration for Children & Families, 2010.	Infant, Toddler, Preschool	FCC setting	X													
Weinstock, Phyllis, Johannes Bos, Fannie Tseng, Emily Rosenthal, Lorena Ortiz, Chantelle Dowsett, Aletha Huston, and Alison Bentley. "Evaluation of Program for Infant/Toddler Care (PITC): An On-site Training of Caregivers." Final report. NCEE 2012-4003. National Center for Education Evaluation and Regional Assistance, 2012.	Infant, Toddler	Center, FCC setting	X		X	X						X		X	X	
Fishman, Mike, Jessica Wille, and MDRC. "Head Start CARES for Migrant and Seasonal Families: Adapting a Preschool Social-Emotional Curriculum." OPRE Report 2014-43. MDRC, 2014.	Preschool	Center	X	X					X	X	X	X		X		X

Citation	Age of child population: Infant, Toddler, Preschool (ages 3-5), Other, Not applicable	ECE setting for caregiver: Center, Home-based care, FCC setting, Other	Coaching	Mentoring or supervision	Workshops	Coursework	Curricula	Use of video, online content, or other technology	Trusting relationships	Goal setting	Opportunity for practice	Frequent feedback	Modeling	Active learning	Self-reflection	Quality observations
Chen, Deborah, M. D. Klein, and Lavada Minor. "Interdisciplinary Perspectives in Early Intervention: Professional Development in Multiple Disabilities through Distance Education." <i>Infants and Young Children</i> , vol. 22, no. 2, 2009, pp. 146-158.	Infant	Not provided		X				X			X	X		X		
Pausell, Diane, Debra Mekos, Patricia Del Grosso, Cassandra Rowand, and Patti Banghart. "Strategies for Supporting Quality in Kith and Kin Child Care: Findings from the Early Head Start Enhanced Home Visiting Pilot Evaluation. Final Report." Mathematica Policy Research, 2006.	Toddler	Other (kith and kin)	X	X	X			X	X	X	X	X	X			X
Morris, Pamela, Chrishana M. Lloyd, Megan Millenky, Nicole Leacock, C. Cybele Raver, Michael Bangser, and MDRC. "Using Classroom Management to Improve Preschoolers' Social and Emotional Skills: Final Impact and Implementation Findings from the Foundations of Learning Demonstration in Newark and Chicago." MDRC, 2013.	Preschool	Center	X	X	X				X	X	X	X				
LoCasale-Crouch, Jennifer, Jamie DeCoster, Sonia Cabell, Bridget Hamre, Jason Downer, Robert Pianta, and Society for Research on Educational Effectiveness. "Variation in Teachers' Instructional Interactions Within Two Interventions: Associations with Intervention Responsiveness and Teacher/Classroom Characteristics." Evanston, IL: Society for Research on Educational Effectiveness, 2012.	Preschool	Center	X		X			X			X	X	X			X
Schachter, Rachel E. "An Analytic Study of the Professional Development Research in Early Childhood Education." <i>Early Education &amp; Development</i> , vol. 26, no. 8, 2015, pp. 1057-1085.	Infant, toddler, preschool	Center, FCC setting	X		X	X		X								
Kermani, Hengameh and Jale Aldemir. "Preparing Children for Success: Integrating Science, Math, and Technology in Early Childhood Classroom." <i>Early Child Development and Care</i> , vol. 185, no. 9, 2015, pp. 1504-1527.	Preschool	Center		X							X				X	
Pianta, Robert C., Margaret Burchinal, Faiza M. Jamil, Terri Sabol, Kevin Grimm, Bridget K. Hamre, Jason Downer, Jennifer LoCasaleCrouch, and Carollee Howes. "A Cross-Lag Analysis of Longitudinal Associations between Preschool Teachers' Instructional Support Identification Skills and Observed Behavior." <i>Early Childhood Research Quarterly</i> , vol. 29, no. 2, 2014, pp. 144-154.	Preschool	Center	X		X			X		X			X			
Conroy, Maureen A., Kevin S. Sutherland, Abigail K. Vo, Staci Carr, and Paula L. Ogston. "Early Childhood Teachers' use of Effective Instructional Practices and the Collateral Effects on Young Children's Behavior." <i>Journal of Positive Behavior Interventions</i> , vol. 16, no. 2, April 2014, pp. 81-92.	Preschool	Center	X		X					X		X				
Brown, Carmen S. "Implementing Preschool Curriculum: Mentoring and Coaching as Key Components to Teacher Professional Development." <i>Dissertation Abstracts International Section A: Humanities and Social Sciences</i> , vol. 71, no. 10-A, 2011, pp. 3523.	Preschool	Center		X	X			X					X			
Warren, Amye R., Jenny M. Holcombe, Sarah J. Sandefur, Anne B. Gamble, and Heather K. Hicks. "Chapter: Measuring Early Childhood Educators' Instructional Practices and Interactions." 2010, pp. 189-206.	Infant, Toddler, Preschool	Center, FCC setting	X	X	X			X	X	X	X	X				X
Gomez, Aletha L. "A Brief Individualized Training System to Promote Child Engagement in Inclusive Preschool Settings." <i>Dissertation Abstracts International Section A: Humanities and Social Sciences</i> , vol. 69, no. 4-A, 2008, pp. 1273.	Preschool	Center	X	X	X			X		X		X	X			X
Snyder, Patricia A., Mary L. Hemmeter, and Lise Fox. "Supporting Implementation of Evidence-Based Practices through Practice-Based Coaching." <i>Topics in Early Childhood Special Education</i> , vol. 35, no. 3, 2015, pp. 133-143.	Preschool	Center	X		X			X								X
Krick Oborn, Kellie M. and LeAnne D. Johnson. "Coaching Via Electronic Performance Feedback to Support Home Visitors' use of Caregiver Coaching Strategies." <i>Topics in Early Childhood Special Education</i> , vol. 35, no. 3, 2015, pp. 157-169.	Infant, Toddler (6-30 months)	Home-based care	X		X			X		X		X	X	X		

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Manswell Butty, Jo-Anne L., Lucy A. Wakiaga, Brooke K. McKie, Veronica G. Thomas, Rodney D. Green, Neilabh Avasthi, and Caryn L. Swierzbis. "Going Full Circle with Teacher Feedback: Conducting Responsive Evaluations in Urban Pre-K Classrooms." SAGE Open, vol. 5, no. 3, 2015.	Preschool	Center	X	X	X					X	X			X	X	X
Douglass, Anne. "Resilience in Change: Positive Perspectives on the Dynamics of Change in Early Childhood Systems." Journal of Early Childhood Research, 2014.	Not applicable	Not applicable			X											
Diamond, Karen E. and Douglas R. Powell. "An Iterative Approach to the Development of a Professional Development Intervention for Head Start Teachers." Journal of Early Intervention, vol. 33, no. 1, 2011, pp. 75-93.	Preschool	Center	X	X	X	X	X			X	X		X	X	X	
Hsueh, JoAnn, Amy E. Lowenstein, Pamela Morris, Shira K. Mattera, and Michael Bangser. "Impacts of Social-Emotional Curricula on Three-Year-Olds: Exploratory Findings from the Head Start Cares Demonstration." OPRE Report, vol. 78, 2014,	Preschool	Center	X													
Morris, Pamela, Shira K. Mattera, Nina Castells, Michael Bangser, Karen Bierman, and Cybele Raver. "Impact Findings from the Head Start CARES Demonstration: National Evaluation of Three Approaches to Improving Preschoolers' Social and Emotional Competence. Executive Summary." OPRE Report 2014-44. MDRC, 2014.	Preschool	Center														
Aikens, N. and L. Akers. "Background Review of Existing Literature on Coaching." Report submitted to First 5 LA. Washington, DC: Mathematica Policy Research, July 2011.	Preschool	Not applicable	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Werner, C., M. Linting, H. Vermeer, and M. Van Ijzendoorn. "Do Intervention Programs in Child Care Promote the Quality of Caregiver-Child Interactions? A Meta-Analysis of Randomized Controlled Trials." Prevention Science, 2015 (epub ahead of print).	Preschool	Center, Home-Based care	X			X	X				X	X				
Whitebook, M. "Building a Skilled Teacher Workforce: Shared and Divergent Challenges in Early Care and Education and in Grades K-12." Berkeley, CA: University of California, Berkeley, Institute for Research on Labor and Employment, Center for the Study of Child Care Employment, 2014.	Not applicable	Not applicable														
U.S. Department of Education, Office of Planning, Evaluation, and Policy Development, Policy and Program Studies Service. "Toward the Identification of Features of Effective Professional Development for Early Childhood Educators, Literature Review." Washington, DC: U.S. Department of Education, 2010.	Not applicable	Not applicable														
Karen Hopper, "Preparing Young Latino Children for School Success: Best Practices in Professional Development"	Preschool	Center	X		X					X	X					X
Pianta, Robert C., Andrew J. Mashburn, Jason T. Downer, Bridget K. Hamre, and Laura Justice. "Effects of Web-Mediated Professional Development Resources on Teacher-Child Interactions in Pre-Kindergarten Classrooms." Early Childhood Research Quarterly, vol. 23, no. 4, 2008, pp. 431-451.	Preschool	Center	X	X	X	X	X		X		X	X	X			
Whitaker, Steve, Mable Kinzie, Marcia E. Kraft-Sayre, Andrew Mashburn, and Robert C. Pianta. "Use and Evaluation of Web-Based Professional Development Services Across Participant Levels of Support." Early Childhood Education Journal, vol. 34, no. 6, 2007, pp. 379-386.	Preschool	Center				X	X			X	X	X				
US Dept. of Education. "Cross-Site Evaluation of the Early Childhood Educator Professional Development Program." US Department of Education, 2010.	Not applicable	Center, Home-based care	X	X	X		X					X				X
Early, Diane M., Kelly L. Maxwell, Debra Skinner, Katie H. Kraus, and Yi Pan. "Georgia's Pre-K Professional Development Evaluation: Final Report." Chapel Hill, NC: 2014.	Preschool	Center, FCC setting, other (military bases)	X	X	X		X	X	X	X	X	X				
Assel, M. A., S. H. Landry, P. R. Swank, and S. Gunnewig. "An Evaluation of Curriculum, Setting, and Mentoring on the Performance of Children Enrolled in Pre-Kindergarten." Reading and Writing, vol. 20, 2007, pp. 463-494.	Preschool	C+G101enter, FCC setting		X		X		X	X	X						

Citation	Age of child population: <i>Infant, Toddler, Preschool (ages 3-5), Other, Not applicable</i>	ECE setting for caregiver: <i>Center, Home-based care, FCC setting, Other</i>	Coaching	Mentoring or supervision	Workshops	Coursework	Curricula	Use of video, online content, or other technology	Trusting relationships	Goal setting	Opportunity for practice	Frequent feedback	Modeling	Active learning	Self-reflection	Quality observations
Institute of Medicine (IOM) and National Research Council (NRC). "Transforming the Workforce for Children Birth Through Age 8: A Unifying Foundation." Washington, DC: The National Academies Press, 2015.	Not applicable	Not applicable														
Powell, Douglas R., Karen E. Diamond, Margaret R. Burchinal, and Matthew J. Koehler. "Effects of an Early Literacy Professional Development Intervention on Head Start Teachers and Children." <i>Journal of Educational Psychology</i> , vol. 102, no. 2, 2010, pp. 299.	Preschool	Center	X	X			X	X	X	X	X	X	X	X	X	X
Buysse, Virginia, Dina C. Castro, and Ellen Peisner-Feinberg. "Effects of a Professional Development Program on Classroom Practices and Outcomes for Latino Dual Language Learners." <i>Early Childhood Research Quarterly</i> , vol. 25, no. 2, 2010, pp. 194-206.	Preschool	Center	X	X	X	X		X		X	X					
LoCasale-Crouch, Jennifer, Marcia Kraft-Sayre, Robert C. Pianta, Bridget K. Hamre, Jason T. Downer, Allison Leach, Margaret Burchinal, Carolee Howes, Karen La Paro, and Catherine Scott-Little. "Implementing an Early Childhood Professional Development Course Across 10 Sites and 15 Sections: Lessons Learned." <i>NHSA Dialog</i> , vol. 14, no. 4, 2011, pp. 275-292.	Preschool	Center		X	X	X	X		X	X	X	X	X	X	X	X
Buysse, Virginia, Pamela J. Winton, and Beth Rous. "Reaching Consensus on a Definition of Professional Development for the Early Childhood Field." <i>Topics in Early Childhood Special Education</i> , vol. 28, no. 4, 2009, pp. 235-243.	Not applicable	Not applicable														
Ackerman, Debra J. "Continuity of Care, Professional Community, and the Policy Context: Potential Benefits for Infant and Toddler Teachers' Professional Development." <i>Early Education and Development</i> , vol. 19, no. 5, 2008, pp. 753-772.	Infant, Toddler	Center		X			X				X			X		
Ackerman, Debra J. "The Learning Never Stops": Lessons from Military Child Development Centers for Teacher Professional Development Policy." <i>Early Childhood Research &amp; Practice</i> , vol. 9, no. 1, 2007.	Infant, Toddler, Preschool	Center				X					X					
Jackson, Russell, Ann McCoy, Carol Pistorino, Anna Wilkinson, John Burghardt, Melissa Clark, Christine Ross, Peter Schochet, Paul Swank, and Stefanie R. Schmidt. "National Evaluation of Early Reading First: Final Report." Report no. NCEE 2007-4007. Washington, DC: US Department of Education, Institute of Education Sciences, 2007.	Preschool	Center		X	X											
Boller, Kimberly, Patricia Del Grosso, Randall Blair, Yumiko Jolly, Ken Fortson, Diane Paulsell, Eric Lundquist, Kristin Hallgren, and Martha Kovac. "The Seeds to Success Modified Field Test: Findings from the Impact and Implementation Studies." <i>Mathematica Policy Research, Inc.</i> , 2010.	Preschool	Center, FCC setting	X		X			X	X							
Paulsell, Diane, Toni Porter, Gretchen Kirby, Kimberly Boller, Emily S. Martin, Andrew Burwick, and Christine Ross. "Supporting Quality in Home-Based Child Care: Initiative Design and Evaluation Options." Princeton, NJ: Mathematica Policy Research, 2010.	Not applicable	Home-based														
Cox, Megan E., Heidi Hollingsworth, and Virginia Buysse. "Exploring the professional development landscape: Summary from four states." <i>Early Childhood Research Quarterly</i> , vol. 32, 2015, pp. 116-126.	Infant, Toddler, Preschool, Other (Kindergarten)	Center, Home-based care	X	X	X	X	X	X								
Jensen, Bente, Peter Jensen, and Astrid W. Rasmussen. "Does Professional Development of Preschool Teachers Improve Child Socio-Emotional Outcomes?" Bonn, Germany: IZA, 2015.	Preschool	Center		X						X				X		
Weber-Mayrer, Melissa M., Shayne B. Piasta, and Christina Yeager Pelatti. "State-Sponsored Professional Development for Early Childhood Educators: Who Participates and Associated Implications for Future Offerings." <i>Journal of Early Childhood Teacher Education</i> , vol. 36, no. 1, 2015, pp. 44-60.	Preschool	Center, Home-based care														
Cabell, Sonia Q., Laura M. Justice, Anita S. McGinty, Jamie DeCoster, and Lindsay D. Forston. "Teacher-child Conversations in Preschool Classrooms: Contributions to Children's Vocabulary Development." <i>Early Childhood Research Quarterly</i> , vol. 30, 2015, pp. 80-92.	Preschool	Center	X	X	X		X	X			X					

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Brotman, L. M., S. Dawson-McClure, E. J. Calzada, Huang K-Y, D. Kamboukos, J. J. Palamar, and E. Petkova. "Cluster (School) RCT of Parentcorps: Impact on Kindergarten Academic Achievement." Pediatrics, vol. 131, no. 5, 2013, pp. e1521-e1529.	Preschool, Kindergarten	Other (school)	X							X	X		X			
Hernandez, Marc W., Elc Estrera, Carrie E. Markovitz, Paul Muyskens, Greg Bartley, Kerry Bollman, Gayle Kelly, and Ben Silbergliitt. "Uses of Technology to Support Early Childhood Practice." OPRE Report 2015-38. Washington, DC: Office of Planning, Research and Evaluation, Administration for Children and Families, U.S. Department of Health and Human Services, 2015.	Not applicable	Not applicable						X								
Shivers, Eva M. "Tennessee's Infant and Toddler Credential Pilot Evaluation Report." Prepared for Signal Centers, Inc. with support from Tennessee Department of Human Services, 2011.	Infant, toddler	Center, FCC setting	X													
Pasnik, Shelley, and Carlin Llorente. "Preschool Teachers Can Use a PBS KIDS Transmedia Curriculum Supplement to Support Young Children's Mathematics Learning: Results of a Randomized Controlled Trial. A Report to the CPB-PBS Ready to Learn Initiative." Waltham, MA, and Menlo Park, CA: SRI International, 2013.	Preschool	Center	X	X		X	X					X				
Dunst, C.J., M.B. Bruder, and D.W. Hamby. "Metasynthesis of Inservice Professional Development Research: Features Associated with Positive Educator and Student Outcomes." Educational Research and Reviews, vol. 10, no. 12, 2015, pp. 1731-1744.	Preschool	Center, Home-based care														
Fukink, Ruben G., and Louis W.C. Tavecchio. "Effects of Video Interaction Guidance on Early Childhood Teachers." Teaching & Teacher Education, vol. 26, no. 8, 2010, pp. 1652-1659.	Infant, Toddler, Preschool	Center, Other ("home-care" but not specified what kind)														
Vallotton, C.D., J. Torquati, J. Ispa, R. Chazan-Cohen, J. Henk, M. Fusaro, and H. Brophy-Herb. "Attachment Predicts College Students' Knowledge, Attitudes, and Skills for Working With Infants, Toddlers, and Families." Early Education and Development, vol. 27, no. 2, 2016, pp. 1-28.	Infant, Toddler	Not applicable														
Nagro, S.A., and K.E. Cornelius. "Evaluating the Evidence Base of Video Analysis: A Special Education Teacher Development Tool. Teacher Education and Special Education: The Journal of the Teacher Education Division of the Council for Exceptional Children, vol. 36, no. 4, 2013, pp. 312-329.	Not applicable	Not applicable														
Guss, Shannon S., Deborah J. Norris, Diane M. Horm, Lisa A. Monroe, and Vicki Wolfe. "Lessons Learned About Data Utilization from Classroom Observations." Early Education & Development 24, no. 1, 2013, pp. 4-18.	Infant, Toddler, Preschool	Center														
Mattera, Shira, Chrishana M. Lloyd, Mike Fishman, Michael Bangser. "A First Look at the Head Start CARES Demonstration: Large-Scale Implementation of Programs to Improve Children's Social-Emotional Competence." OPRE Report 2013-47. Washington, DC: Office of Planning, Research and Evaluation, Administration for Children and Families, U.S. Department of Health and Human Services, 2013.	Preschool	Center	X	X					X	X	X	X				X
Gilliam, W. "Early Childhood Consultation Partnership: Results Across Three State Wide Random-Controlled Evaluations: Final Report with Executive Summary." New Haven, CT, 2014.	Infant, Toddler, Preschool	Center	X	X					X							X
Ahrens, Rachel. "Training childcare providers to improve interactions with children: A comparison of in-service training versus direct modeling of desired behaviors." UMI Microform: Ann Arbor, MI, 2009.	Infant, Toddler	Center	X	X								X				

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