

CURRICULUM VITAE

Margaret Ruth Burchinal

Educational Background

- Ph.D. 1986 University of North Carolina at Chapel Hill
Quantitative Psychology, December 1986
Dissertation: *Methods for Estimating Individual Developmental Functions*
- M.A. 1978 University of North Carolina at Chapel Hill
Special Education, December 1978
Thesis: *The Contingent Relationship of Mother and Infant Behaviors in Dyadic Interactions*
- B.S. 1976 Iowa State University
Psychology, June 1976
Summa cum Laude

Professional Experience

- September 2020- Research Professor
Department of Education, Leadership, Foundations and Policy
School of Education and Human Development
University of Virginia
- September 2007-2011 Professor
Department of Education
University of California at Irvine
- May 2002-May 2020 Research Professor
Developmental Division
Department of Psychology
University of North Carolina at Chapel Hill
- November 2002-May 2020 Senior Scientist
Frank Porter Graham Child Development Institute
University of North Carolina at Chapel Hill
- September 1999-2005 Adjunct Professor
Department of Biostatistics
University of North Carolina at Chapel Hill
- May 1996-May 2002 Research Associate Professor
Developmental Division
Department of Psychology
University of North Carolina at Chapel Hill
- February 1992-November 2019 Director of the Data Management and Analysis Core
Frank Porter Graham Child Development Institute
University of North Carolina at Chapel Hill

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| January 1990-May 1996 | Research Assistant Professor L.L. Thurstone Psychometric Laboratory Department of Psychology University of North Carolina at Chapel Hill |
| November 1989-November 2002 | Investigator Frank Porter Graham Child Development Institute University of North Carolina at Chapel Hill |
| Sept. 1986-April 1987 | Visiting Scholar Developmental Psychology Department Leiden University, Leiden, the Netherlands |

Other Professional Activities

Chair, What Works Clearinghouse Practice Guide, Preparing Young Children for School Practice Guide (July 2020 – ongoing)

Associate Editor for:

Early Childhood Research Quarterly (July 2006 -July 201)
Child Development (July 2007 – June 2013)

Past or Present Reviewer for:

Child Development
Early Childhood Research Quarterly
Monographs of the Society for Research in Child Development
Psychological Methods

Guest Reviewer for:

Demography
Developmental Psychology
Journal of Abnormal Child Psychology
Journal of American Statistical Association
Journal of Autism and Developmental Disorders
Journal of Early Intervention
Journal of Family Psychology

Special Panel Reviewer for:

Maternal and Child Health Bureau (November 1993; June 1998)
National Institute of Child Health and Human Development (September 1999; April 2001; August 2001; October 2001; March 2002; October 2002; April 2003; November 2003; March 2005; July 2005; March 2006)
Department of Education (April 2002; September 2002; April 2004; January 2005)

Panel Reviewer for:

Maternal and Child Health Bureau (June 1999-November 2004)
Institute of Educational Sciences, US Department of Education (August 2005-March 2010)

NIH Biobehavioral and Behavioral Sciences Subcommittee (July 2006-July 2010)

Member of Advisory Board:

Advisory Council for Educational Statistics-Advisory Board for the National Center for Educational Statistics (August 2001-October 2002)

Technical Work Group for Head Start National Reporting System (January 2003-June 2005)

Advisory Board for Research Bureau of the Maternal and Child Health Bureau (June 2003)

Research Advisory Council for Head Start (February 2002-2006)

Advisory Board for the Puerto Rico Comprehensive Center for the Study of HIV Disparities (July 2004-July 2010)

Technical Work Group for Early Reading First Evaluation (February 2004-March 2007)

Advisory Board for the Los Angeles Universal Pre-Kindergarten Program (June 2005-ongoing)

Technical Work Group for the Family and Child Experiences Survey (FACES) (January 2006-ongoing)

Governing Board for the Appalachian Regional Educational Laboratory (August 2006-June 2009)

National Research Council: Committee on Developmental Outcomes and Assessment for Young Children (April 2007-June 2009)

Advisory Board for the Head Start Migrant Study (January 2008)

Advisory Board for the Baby FACES (January 2008-ongoing)

National Research Council: Science of Research on Families Workshop (March 2010 – Sept 2011)

National Research Council: Early Care and Education Workshop (March 2011)

Secretary's Advisory Council for Head Start Evaluation and Research (January 2011-ongoing)

National Research Council: Leading Educational Indicators Workshop (December 2011-April 2012)

W.T. Grant Foundation: Member of Board of Trustees (2012-ongoing)

American Educational Research Association Research Board (2015-ongoing)

Professional Organizations

Society for Research in Child Development, past chairman of the Publication Committee

Publications in Peer-Reviewed Journals (H index=87; citations > 35,000)

Publications In 2021

Cohen-Vogel, L., Little, M., Jang, W., Burchinal, M., & Bratsch-Hines, M. (2021). A Missed Opportunity? Instructional Content Redundancy in Pre-K and Kindergarten. *AERA Open*, 7, 23328584211006163.

Publications In 2020

- Burchinal, M., Bezdek, K., Foster, T., Bratsch-Hines, M., Franco, X., & Peisner-Feinberg, E., (2020). Relating Early Care and Education Quality to Preschool Outcomes: The Same or Different Models for Different Outcomes? *Early Childhood Research Quarterly*.
- Burchinal, M., Foster, T. J., Bezdek, K. G., Bratsch-Hines, M., Blair, C., Vernon-Feagans, L., & Family Life Project Investigators. (2020). School-entry skills predicting school-age academic and social–emotional trajectories. *Early Childhood Research Quarterly*, 51, 67-80.
- Foster, T. J., Burchinal, M., & Yazejian, N. (2020). The Relation Between Classroom Age Composition and Children’s Language and Behavioral Outcomes: Examining Peer Effects. *Child Development*, 91(6), 2103-2122.
- Hammer, C. S., Burchinal, M., Hong, S. S., LaForett, D. R., Páez, M., Buysse, V., ... & López, L. M. (2020). Change in language and literacy knowledge for Spanish–English dual language learners at school-entry: Analyses from three studies. *Early Childhood Research Quarterly*, 51, 81-92.
- Kuhfeld, M., Soland, J., Pitts, C., & Burchinal, M. (2020). Trends in Children’s Academic Skills at School Entry: 2010 to 2017. *Educational Researcher*, 0013189X20931078.
- Yazejian, N., Bryant, D.M., Kuhn, L.J., Burchinal, M., Horm, D., Hans, S., File, N. and Jackson, B., (2020). The Educare intervention: Outcomes at age 3. *Early Childhood Research Quarterly*, 53, 425-440.

Publications In 2019

- Pace, A., Alper, R., Burchinal, M. R., Golinkoff, R. M., & Hirsh-Pasek, K. (2019). Measuring success: Within and cross-domain predictors of academic and social trajectories in elementary school. *Early Childhood Research Quarterly*, 46, 112-125.
- Bratsch-Hines, M. E., Burchinal, M., Peisner-Feinberg, E., & Franco, X. (2019). Frequency of instructional practices in rural prekindergarten classrooms and associations with child language and literacy skills. *Early Childhood Research Quarterly*, 47, 74-88.
- Carr, R. C., Mokrova, I. L., Vernon-Feagans, L., & Burchinal, M. R. (2019). Cumulative classroom quality during pre-kindergarten and kindergarten and children’s language, literacy, and mathematics skills. *Early Childhood Research Quarterly*, 47, 218-228.
- Pinto, A. I., Cadima, J., Coelho, V., Bryant, D. M., Peixoto, C., Pessanha, M., Burchinal, M., & Barros, S. (2019). Quality of infant child care and early infant development in Portuguese childcare centers. *Early Childhood Research Quarterly*, 48, 246-255.
- Raikes, H. H., White, L., Green, S., Burchinal, M., Kainz, K., Horm, D., ... & Esteraich, J. (2019). Use of the home language in preschool classrooms and first-and second-language development among dual-language learners. *Early Childhood Research Quarterly*, 47, 145-158.
- Vernon-Feagans, L., Mokrova, I.L., Carr, R.C., Garrett-Peters, P.T., Burchinal, M.R., & The Family Life Project Key Investigators. (2019). Cumulative years of classroom quality from kindergarten to third grade: Prediction to children’s third grade literacy skills. *Early Childhood Research Quarterly*, 47, 531-540. doi: 10.1016/j.ecresq.2018.06.005

Publications In 2018

- Burchinal, M. (2018). Measuring early care and education quality. *Child Development Perspectives*, 12(1), 3-9. DOI: 10.1111/cdep.12260.
- Burchinal, M., Carr, R. C., Vernon-Feagans, L., Blair, C., Cox, M., & Family Life Project Key Investigators. (2018). Depth, Persistence, and Timing of Poverty and the Development of School Readiness Skills in Rural Low-Income Regions: Results from the Family Life Project. *Early Childhood Research Quarterly*, 45, 115-130.
- Choi, J. Y., Castle, S., Burchinal, M., Horm, D., Guss, S., & Bingham, G. E. (2018). Peer effects on low-income children's learning and development. *Journal of school psychology*, 71, 1-17.
- Coelho, V., Barros, S., Burchinal, M. R., Cadima, J., Pessanha, M., Pinto, A. I., ... & Bryant, D. M. (2018). Predictors of parent-teacher communication during infant transition to childcare in Portugal. *Early Child Development and Care*, 1-15.
- Cruz, O., Abreu-Lima, I., Canário, C., & Burchinal, M. (2018). Does temperament moderate the relation between preschool parenting and school-age self-regulation? Contrasting Diathesis-Stress and Differential Susceptibility Models. *Parenting*, 18(2), 126-140.
- Horm, D. M., File, N., Bryant, D., Burchinal, M., Raikes, H., Forestieri, N., ... & Cobo-Lewis, A. (2018). Associations between continuity of care in infant-toddler classrooms and child outcomes. *Early Childhood Research Quarterly*, 42, 105-118.
- Jenkins, J. M., Duncan, G. J., Auger, A., Bitler, M., Domina, T., & Burchinal, M. (2018). Boosting school readiness: Should preschool teachers target skills or the whole child? *Economics of Education Review*, 65, 107-125.
- Meyer-Kalos, P. S., Ludwig, K. A., Gaylord, S., Perkins, D. O., Grewen, K., Palsson, O. S., Burchinal, M., & Penn, D. L. (2018). Enhancing stress reactivity and wellbeing in early schizophrenia: A pilot study of individual coping awareness therapy (I-CAT). *Schizophrenia Research*, 201, 413-414.

Publications In 2017

- Espinosa, L. M., LaForett, D. R., Burchinal, M., Winsler, A., Tien, H. C., Peisner-Feinberg, E. S., & Castro, D. C. (2017). Child care experiences among dual language learners in the United States: Analyses of the Early Childhood Longitudinal Study–Birth Cohort. *AERA Open*, 3(2), 2332858417699380.
- Mosner, M.G., Kinard, J, McWeeny, S., Shah, J., Markiewitz, N.D., Damiano-Goodwin, C.R., Burchinal, M.R., Rutherford, H.J.V., Greene, R.K., Treadway, M.T., & Dichter, G.S. (2017). Vicarious effort-making based decision making in Autism Spectrum Disorders. *Journal of Autism and Developmental Disorders*.
- Petitclerc, A., Côté, S., Doyle, O., Burchinal, M., Herba, C., Zachrisson, H. D., ... & Raat, H. (2017). Who uses early childhood education and care services? Comparing socioeconomic selection across five western policy contexts. *International Journal of Child Care and Education Policy*, 11(1), 3.
- Pianta, R., Hamre, B., Downer, J., Burchinal, M., Williford, A., LoCasale-Crouch, J., ... & Scott-Little, C. (2017). Early childhood professional development: Coaching and coursework effects on indicators of children's school readiness. *Early Education and Development*, 1-20.

Yazejian, N., Bryant, D. M., Hans, S., Horm, D., St Clair, L., File, N., & Burchinal, M. (2017). Child and parenting outcomes after 1 year of Educare. *Child development*, 88(5), 1671-1688.

Publications In 2016

Broekhuizen, M. L., Mokrova, I. L., Burchinal, M. R., Garrett-Peters, P. T., & Family Life Project Key Investigators. (2016). Classroom quality at pre-kindergarten and kindergarten and children's social skills and behavior problems. *Early childhood research quarterly*, 36, 212-222.

Burchinal, M., Zaslow, M., Tarullo, L., (2016). Quality thresholds, features, and dosage in early care and education: Secondary data analyses of child outcomes. *Monographs of SRCD*, 81(2), DOI: 10.1111/mono.12236

Buyse, V., Peisner-Feinberg, E., Soukakou, E., Fetting, A., Schaaf, J., & Burchinal, M. (2016). Using Recognition & Response (R&R) to improve children's language and literacy skills: Findings from two studies. *Early Childhood Research Quarterly*, 36, 11-20.

Hatfield, B. E., Burchinal, M. R., Pianta, R. C., & Sideris, J. (2016). Thresholds in the association between quality of teacher-child interactions and preschool children's school readiness skills. *Early Childhood Research Quarterly*, 36, 561-571. DOI: 10.1016/j.ecresq.2015.09.005

Jenkins, J. M., Farkas, G., Duncan, G. J., Burchinal, M., & Vandell, D. L. (2016). Head Start at ages 3 and 4 versus Head Start followed by state pre-K which is more effective?. *Educational evaluation and policy analysis*, 38(1), 88-112.

Li, K., Pan, Y., Hu, B., Burchinal, M., De Marco, A., Fan, X., & Qin, J. (2016). Early childhood education quality and child outcomes in China: Evidence from Zhejiang Province. *Early Childhood Research Quarterly*, 36, 427-438.

LoCasale-Crouch, J., DeCoster, J., Cabell, S. Q., Pianta, R. C., Hamre, B. K., Downer, J. T., Burchinal, M., ... & LaParo, K. (2016). Unpacking intervention effects: Teacher responsiveness as a mediator of perceived intervention quality and change in teaching practice. *Early Childhood Research Quarterly*, 36, 201-209.

Jenkins, J. M., Farkas, G., Duncan, G. J., Burchinal, M., & Vandell, D. L. (2016). Head Start at ages 3 and 4 versus Head Start followed by state Pre-K. Which Is more effective? *Educational evaluation and policy analysis*, 38(1), 88-112.

Vandell, D. L., Burchinal, M., & Pierce, K. M. (2016). Early child care and adolescent functioning at the end of high school: Results from the NICHD Study of Early Child Care and Youth Development. *Developmental psychology*, 52(10), 1634.

Publications In 2015

Broekhuizen, M. L., Mokrova, I. L., Burchinal, M. R., & Garrett-Peters, P. (2015). Classroom quality at pre-kindergarten and kindergarten and children's social and behavioral skills. *Differential effects of early child care quality on children's socio-emotional development*, 127.

Yazejian, N., Bryant, D., Freel, K., & Burchinal, M. (2015). High-quality early education: Age of entry and time in care differences in student outcomes for English-only and dual language learners. *Early Childhood Research Quarterly*, 32, 23-39.

Publications In 2014

Auger, A., Farkas, G., Burchinal, M. R., Duncan, G. J., & Vandell, D. L. (2014). Preschool center care quality effects on academic achievement: An instrumental variables analysis. *Developmental psychology*, 50(12), 2559.

Burchinal, M. R., Lowe Vandell, D., & Belsky, J. (2014). Is the prediction of adolescent outcomes from early child care moderated by later maternal sensitivity? Results from the NICHD Study of Early Child Care and Youth Development. *Developmental Psychology*, 50(2), 542.

Burchinal, M., Vernon-Feagans, L., Vitiello, V., & Greenberg, M. (2014). Thresholds in the association between child care quality and child outcomes in rural preschool children. *Early Childhood Research Quarterly*, 29(1), 41-51. DOI: 10.1016/j.ecresq.2013.09.004

Grewen, K., Burchinal, M., Vachet, C., Gouttard, S., Gilmore, J. H., Lin, W., ... & Gerig, G. (2014). Prenatal cocaine effects on brain structure in early infancy. *NeuroImage*, 101, 114-123.

Groh, A. M., Roisman, G. I., Booth-LaForce, C., Fraley, R. C., Owen, M. T., Cox, M. J., & Burchinal, M. R. (2014). IV. Stability of attachment security from infancy to late adolescence. *Monographs of the Society for Research in Child Development*, 79(3), 51-66.

Harris, T., Sideris, J., Serpell, Z., Burchinal, M., & Pickett, C. (2014). Domain-Specific Cognitive Stimulation and Maternal Sensitivity as Predictors of Early Academic Outcomes among Low-Income African American Preschoolers. *The Journal of Negro Education*, 83(1), 15-28.

Peisner-Feinberg, E., Buysse, V., Fuligni, A., Burchinal, M., Espinosa, L., Halle, T., & Castro, D. (2014). Using early care and education quality measures with dual language learners: A review of the research. *Early Childhood Research Quarterly*.

Pianta, R. C., Burchinal, M., Jamil, F. M., Sabol, T., Grimm, K., Hamre, B. K., ... & Howes, C. (2014). A cross-lag analysis of longitudinal associations between preschool teachers' instructional support identification skills and observed behavior. *Early Childhood Research Quarterly*, 29(2), 144-154.

Pianta, R. C., DeCoster, J., Cabell, S., Burchinal, M., Hamre, B. K., Downer, J., ... & Howes, C. (2014). Dose-response relations between preschool teachers' exposure to components of professional development and increases in quality of their interactions with children. *Early Childhood Research Quarterly*, 29(4), 499-508.

Rutherford, T., Farkas, G., Duncan, G., Burchinal, M., Kibrick, M., Graham, J., ... & Martinez, M. E. (2014). A Randomized Trial of an Elementary School Mathematics Software Intervention: Spatial-Temporal (ST) Math. *Journal of Research on Educational Effectiveness*.

- Ruzek, E., Burchinal, M., Farkas, G., & Duncan, G. J. (2014). The quality of toddler child care and cognitive skills at 24 months: Propensity score analysis results from the ECLS-B. *Early childhood research quarterly*, 29(1), 12-21.
- Winsler, A., Burchinal, M. R., Tien, H. C., Peisner-Feinberg, E., Espinosa, L., Castro, D. C., ... & De Feyter, J. (2014). Early development among dual language learners: The roles of language use at home, maternal immigration, country of origin, and socio-demographic variables. *Early Childhood Research Quarterly*. 29, 750-764. DOI: 10.1016/j.ecresq.2014.02.008.

Publications In 2013

- Burchinal, M., & Willoughby, M. (2013). IV. Poverty and associated social risks: toward a cumulative risk framework. *Monographs of the Society for Research in Child Development*, 78(5), 53-65.
- Dotterer, A. M., Burchinal, M., Bryant, D., Early, D., & Pianta, R. C. (2013). Universal and targeted pre-kindergarten programs: a comparison of classroom characteristics and child outcomes. *Early Child Development and Care*, 183(7), 931-950.
- Li, W., Farkas, G., Duncan, G. J., Burchinal, M. R., & Vandell, D. L. (2013). Timing of high-quality child care and cognitive, language, and preacademic development. *Developmental psychology*, 49(8), 1440.
- Key, T.D., Farkas, G., Burchinal, M.R., Duncan, G., Vandell, D.L., Li, W., Ruziel, E.A., & Howes, C. (2013). Preschool center quality and school readiness: Quality effects and variation by demographic and child characteristics. *Child Development*. 84(4), 1171-1190.
- Richland, L. E., & Burchinal, M. R. (2013). Early executive function predicts reasoning development. *Psychological Science*, 24(1) 87 –92.
- Sabol, T. J., Hong, S. S., Pianta, R. C., & Burchinal, M. R. (2013). Can Rating Pre-K Programs Predict Children's Learning? *Science*, 341(6148), 845-846.
- Willoughby, M., Burchinal, M., Garrett-Peters, P., Mills-Koonce, R., Vernon-Feagans, L., & Cox, M. (2013). II. Recruitment of the family life project sample.. *Monographs of the Society for Research in Child Development*, 78(5), 24-35.

Publications In 2012

- Burchinal, M., Field, S., López, M. L., Howes, C., & Pianta, R. (2012). Instruction in Spanish in pre-kindergarten classrooms and child outcomes for English language learners. *Early Childhood Research Quarterly*, 27(2), 188-197.
- Campbell, F. A., Pungello, E. P., Burchinal, M., Kainz, K., Pan, Y., Wasik, B. H., Sparling, J. & Ramey, C. T. (2012). Adult outcomes as a function of an early childhood educational program: an Abecedarian Project follow-up. *Developmental psychology*, 48(4), 1033.
- Hamre, B. K., Pianta, R. C., Burchinal, M., Field, S., LoCasale-Crouch, J., Downer, J. T., ... & Scott-Little, C. (2012). A Course on Effective Teacher-Child Interactions Effects on

Teacher Beliefs, Knowledge, and Observed Practice. *American Educational Research Journal*, 49(1), 88-123.

Kainz, K., Willoughby, M. T., Vernon-Feagans, L., & Burchinal, M. R. (2012). Modeling Family Economic Conditions and Young Children's Development in Rural United States: Implications for Poverty Research. *Journal of Family and Economic Issues*, 33(4), 410-420.

Tran, N. A., Schneider, S., Duran, L., Conley, A., Richland, L., Burchinal, M., ... & Martinez, M. E. (2012). The effects of mathematics instruction using spatial temporal cognition on teacher efficacy and instructional practices. *Computers in Human Behavior*, 28(2), 340-349.

Publications In 2011

Burchinal, M., McCartney, K., Steinberg, L., Crosnoe, R., Friedman, S. L., McLoyd, V., & Pianta, R., & NICHD ECCRN (2011). Examining the Black-White achievement gap among low-income children using the NICHD Study of Early Child Care and Youth Development. *Child Development*, 82, 1404-1420.

Haden, C. A., Ornstein, P. A., O'Brien, B. S., Elischberger, H. B., Tyler, C. S., & Burchinal, M. J. (2011). The development of children's early memory skills. *Journal of experimental child psychology*, 108(1), 44-60.

Holditch-Davis, D., Miles, M., S., Burchinal, M. R. & Goldman, B., G (2011). Maternal role attainment with medically fragile infants: Part 2: relationship to the quality of parenting. *Research in Nursing and Health* 34, 35-48.

Scott-Little, C., La Paro, K., Thomason, A.C., Pianta, R., Hamre, B., Downer, J., Burchinal, M., & Howes, C. (2011). Implementation of a course focused on language and literacy within teacher-child interactions: Instructor and student perspectives across three institutions of higher education. *Journal of Early Childhood Teacher Education*, 32, 200-224.

Publications In 2010

Burchinal, M., Skinner, D., & Reznick, S., (2010). European American and African American mothers' beliefs about parenting and disciplining infants: A mixed-method analysis. *Parenting: Science and Practice*, 10, 79-96.

Cadima, J., Leal, T., & Burchinal, M., (2010). The quality of teacher-student interactions: Associations with first graders' academic and social outcomes. *Journal of School Psychology*, 48, 457-482.

Campbell, S. B., Spieker, S., Vandergrift, N., Belsky, J., Burchinal, M., & NICHD ECCRN. (2010). Predictors and sequelae of trajectories of physical aggression in school-age boys and girls. *Development and Psychopathology*, 22, 133-150.

Chien, N.C., Howes, C., Burchinal, M., Pianta, R., Ritchie, S., Bryant, D., Clifford, R., Early, & D., Barbarin, O. (2010). Children's Classroom Engagement and Gains in Academic and Social-Emotional Outcomes across Pre-Kindergarten. *Child Development*, 81, 1534-1544.

Crosnoe, R., Morrison, F., Burchinal, M., Pianta, R., Keating, D., Friedman, S., Clarke-Stewart, K., & the NICHD ECCRN (2010). Instruction, teacher-student relations, and math

- achievement trajectories in elementary school. *Journal of Educational Psychology*, 102, 407-417.
- Early, D.M., Iruka, I.U., Barbarin, O.A., Winn, D.M., Crawford, G., Frome, P., Clifford, R., Burchinal, M., Howes, C., Bryant, D., & Pianta, R. (2010). How do pre-kindergarteners spend their time? Gender, ethnicity, and income as predictors of experiences in pre-kindergarten classrooms. *Early Childhood Research Quarterly*, 25, 177-193
- Grimm, K. J., Steele, J. S., Mashburn, A. J., Burchinal, M., & Pianta, R. C. (2010). Early behavioral associations of achievement trajectories. *Developmental Psychology*, 46, 976-977.
- Hooper, S., Longitudinal predictors of reading and math trajectories through middle school for African American versus Caucasian students across two samples. *Developmental Psychology*, 46, 1018-1028.
- Iruka, I. U., Burchinal, M., & Cai, K. (2010). Long-term effect of early relationships for African American children's academic and social development: An examination from kindergarten to fifth grade. *Journal of Black Psychology*, 36, 144-171.
- McCartney, K., Burchinal, M., Clarke-Stewart, A., Bub, K. L., Owen, M. T., Belsky, J., & NICHD ECCRN. (2010). Testing a series of causal propositions relating time in child care to children's externalizing behavior. *Developmental Psychology*, 46, 1-17.
- Pianta, R. C., Burchinal, M., Barnett, E. S., & Thornburg, K. (2010). Preschool in the United States: What we know, what we need to know, and implications for policy and research. *Psychological Science in the Public Interest*, 10, 49-88.
- Powell, D.R., Diamond, K.E., Burchinal, M.R., & Koehler, M.J. (2010). Effects of an early literacy professional development intervention on Head Start teachers and children. *Journal of Educational Psychology*, 102, 299-312.
- Pungello, E. P., Kainz, K., Burchinal, M., Wasik, B. H., Sparling, J., Ramey, C. T., & Campbell, F. (2010). Early educational intervention, early cumulative risk, and the early home environment as predictors of young adult outcomes within a high-risk sample. *Child Development*, 81, 410-426.
- Vandell, D.L., Belsky, U., Burchinal, M., Steinberg, L., Vandergift, N., & NICHD ECCRN (2010). Do effects of early child care extend to age 15 years? Results from the NICHD Study of Early Child Care and Youth Development. *Child Development*, 81, 737-756.

Publications in 2009

- Burchinal, P., Kainz, K., Cai, K., Tout, K., Zaslow, M., Martinez-Beck, I. & Rathgeb, C. (May 2009). *Early care and education quality and child outcomes*. Washington, DC: Office of Planning, Research and Evaluation, Administration for Children and Families, US DHHS, and Child Trends.
- Burchinal, M., Vandergrift, N., Pianta, R., & Mashburn, A., (2009). Threshold analysis of association between child care quality and child outcomes for low-income children in pre-kindergarten programs. *Early Childhood Research Quarterly*. 25, 166-176.
- Curby, T. W., Locasale-Crouch, J., Konold, T. R., Pianta, R. C., Howes, C., Burchinal, M., Bryant, D., Clifford, R., Early, D., & Barbarin, O. (2009). The relations of observed pre-k classroom quality profiles to children's achievement and social competence. *Early Education & Development*, 20, 346-372.

- Early, D. M., Iruka, I. U., Ritchie, S., Barbarin, O. A., Winn, D. C., Crawford, G. M., Frome, P. M., Clifford, R. M., Burchinal, M., Howes, C., Bryant, D. M., & Pianta, R. C. (2009). How do pre-kindergarteners spend their time? Gender, ethnicity and income as predictors of experiences in pre-kindergarten classrooms. *Early Childhood Research Quarterly*, 25, 177-193.
- La Paro, K. M., Hamre, B. K., Locasale-Crouch, J., Pianta, R. C., Bryant, D., Early, D., Clifford, R., Barbarin, O., Howes, C., & Burchinal, M. (2009). Quality in kindergarten classrooms: Observational evidence for the need to increase children's learning opportunities in early education classrooms. *Early Education & Development*, 20, 657-692.
- Penn, D. L., Meyer, P. S., Evans, E., Wirth, R. J., Cai, K., & Burchinal, M. (2009). A randomized controlled trial of group Cognitive-Behavioral Therapy versus Enhanced Supportive Therapy for auditory hallucinations. *Schizophrenia Research*, 109, 52 – 59.
- Pianta, R. C., Barnett, E. S., Burchinal, M. & Thornburg, K. (2009). Preschool in the United States: What we know, what we need to know, and implications for policy and research. *Psychological Science in the Public Interest*, 10, 49-61.
- Publications in 2008*
- Barbarin, O. A., Early, D., Clifford, R., Bryant, D., Frome, P., Burchinal, M., Howes, C., & Pianta, R. (2008). Parental conceptions of school readiness: Relation to ethnicity, socioeconomic status, and children's skills. *Early Education & Development*, 19, 671-701.
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Publications in Peer-Reviewed Journals (corporate authorship) – Member of the Early Child Care Research Network

- Susan B. Campbell, Susan Spieker, Nathan Vandergrift, Jay Belsky, Margaret Burchinal, and the NICHD Early Child Care Research Network. (in press) Predictors and Sequelae of Trajectories of Physical Aggression in School-Age Boys and Girls. *Development and Psychopathology*.
- Belsky, Vandell, Burchinal, Clarke-Stewart, McCartney, Owen, and the NICHD ECCRN.. (2007). Are there long-term effects of early child care? *Child Development*, 78 (2), 681 – 701.
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- Pianta, R., Belsky, J., Houts, R., Morrison, F & the NICHD Early Child Care Research Network. (2007). Opportunities to Learn in America's Elementary Classrooms. *Science*, 315 (5820), 1795-1796.
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- NICHD Early Child Care Research Network. (2004). Multiple pathways to early academic achievement. *Harvard Educational Review*, 1-29.
- NICHD Early Child Care Research Network. (2004). Trajectories of physical aggression from toddlerhood to middle childhood: Predictors, correlates, and outcomes. *SRCD Monographs*, 69 (4, 278) 1-146.
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Publications - Peer-Reviewed Chapters and Technical Reports

- Burchinal, M. C., & Farran, D. C. (2020). What Does Research Tell Us About ECE Programs?. *Getting It Right: Using Implementation Research to Improve Outcomes in Early Care and Education*, 13-36.
- Campbell, F. A., Pan, Y., & Burchinal, M. (2019). Sustaining gains from early childhood intervention: The Abecedarian program. In A. Reynolds & J. Temple (Eds.), *Sustaining early childhood learning gains: Program, school, and family influences* (pp. 268-286). New York, NY: Cambridge University Press. DOI: 10.1017/9781108349352.013
- Burchinal, M & Forestieri, N (2017). What does it mean to be evidenced-based? In E. Votruba-Drzal & E. Dearing, E. (Eds.) *Handbook of Early Childhood Programs, Practices, and Policies*. Oxford, UK: Wiley-Blackwell.
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- Ramey, C. T., Lee, M. W., & Burchinal, M. R. (1989). Developmental plasticity and predictability: Consequences of altered ecologies. In M. H. Bornstein & N. A. Krasnegor (Eds.), *Stability and continuity in mental development: Behavioral and biological perspectives*. (pp. 217-234), Erlbaum Associates: Hillsdale, NJ.
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Publications - Other

- Burchinal, M. R., Kotch, J. B., Herman-Giddens, M., Follmer, A., & Voegler, M. E. (June, 1994). *Normative growth and development: The impact of growing population diversity on research*. Commission paper for the Research Priorities: Fourth National Title V Maternal and Child Health Research Priorities Conference, Columbia, MD.
- Burchinal, M. R. (1992). Review of M. J. Rovine & A. von Eye (authors), Applied computational statistics in longitudinal research. *Journal of American Statistical Association*, 87, 588.
- Burchinal, M. R. (1986). A macro for conditional ordinary least squares and weighted least squares analysis of repeated measures data. *SAS Users Group International Conference Proceedings*. (pp. 640-645). Cary, NC: SAS Institute Inc.
- Early, D., Barbarin, O., Bryant, D., Burchinal, M., Chang, F., Clifford, R., Crawford, G., Weaver, W., Howes, C., Ritchie, S., Kraft-Sayre, M., Pianta, R., & Barnett, W. S. (2005). *Pre-Kindergarten in Eleven States: NCEDL's Multi-State Study of Pre-Kindergarten & Study of State-Wide Early Education Programs (SWEEP)*. NCEDL Working Paper. Chapel Hill: The University of North Carolina, FPG Child Development Institute, NCEDL.

Papers Presented

- Alper, R.M., Burchinal, R., Golinkoff, R., Hirsh-Pasek, K., & Pace, A. (2016, July). Children's Preschool Skills in Universal Preschool: How Do They Predict Elementary School Achievement? In Sally Atkins-Burnett (chair) Preparing for Success in School: What Matters the Most. Symposium Presented at ACF Research Conference: Washington DC
- Burchinal, M. (2016, July). Discussant. In James Elicke (chair) Alternatives to Random Assignment for Large Scale Child Outcome Studies. Invited Symposium Presented at ACF Research Conference: Washington DC
- Burchinal, M. (2016, July). Challenges in Using Observational Quality Rating Tools. In Nina Phillipsen Hetzner & Amy Madigan (Chairs) The Challenges of Using Observational

- Quality Rating Tools in Accountability Systems and Strategies to Address Them. Invited Symposium Presented at ACF Research Conference: Washington DC
- Burchinal, M. & Derrick-Mill, T (2016, November). Evaluating the Head Start Designation Renewal System. In *2016 Fall Conference: The Role of Research in Making Government More Effective*. Appam.
- Aber, L., Burchinal, M., & Jones, S. (2015, March). Hitting the Learning Curve Ball: Methodological Challenges and Opportunities. Invited Conversation Hour. *Society for Research on Educational Effectiveness*
- Burchinal, M. (2015, June). Secondary data analysis on QRIS models and child outcomes. *INQUIRE in-person meeting*. Annapolis, MD
- Burchinal, M., (2015, April) Longitudinal Methods. In M Burchinal (Chair) Best Practices in Statistical Methodology for Developmental Science Research. Invited *Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA*
- Burchinal, M, Raver, M., Vernon-Feagon, L., Cox, M., & Blair, C (2015, April) Poverty and Early Child Development in Rural Low-Income Regions: Results from the Family Life Project. In E. Votruba-Drzal Place, Poverty, and Child Development. *Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA*
- Burchinal, M., (2014, June). Developing Ratings in Quality Rating and Improvement Systems: Conceptualization, Psychometrics, and Practicalities. Invited symposium. Head Start Research Conference.
- Burchinal, M., Xue, Y., Sideris, J., Tien, S (2013, April). Child Care Quality Thresholds: Evidence from Several Studies in L Tarullo (Chair) Testing for Thresholds in Associations Between Child Care Quality and Child Outcomes: Innovative Methodological Approaches. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.
- Espinosa, L., & Burchinal, M (2013, April) Child Care Experiences among Dual Language Learners in the US: Analyses of the Early Childhood Longitudinal Survey-Birth Cohort. Society for Research in Child Development. In A. Fuligni (Chair) The Complex Picture of Child Care Use and Dual-language Learners: Diversity of Families and Children's Experiences over Time. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.
- Tarullo, L., Xue, Y., & Burchinal, M. (2013, April). Are two years better than one? Examining dosage of Head Start attendees using propensity score matching methodology. In A. Madigan (Chair), Does program dosage predict outcomes in Head Start and Early Head Start. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.

- Hatfield, B., Hamre, B., LoCasale-Crouch, J., Pianta, R., Downer, J., Burchinal, M., & Howes, C. (2012, March). Teacher Characteristics Influence Responsiveness to a Course and a Consultancy Focused on Effective Teacher-Child Interactions. Society for Research on Educational Effectiveness.
- Auger, A., Farkas, G., Duncan, G. J., Burchinal, M., & Vandell, D. L. (2012, October). Child care quality and academic achievement: Results from PCER. In annual meeting of the Association for Public Policy Analysis and Management, Baltimore, MD.
- Burchinal, M. (2012, Feb.) Past lessons and future directions of developmental methodology. Invited Keynote Address at the SRCD Methodology Conference. Feb, 2012: Tampa, FL
- Burchinal, M. (2011, Nov) Workshop on National Education Indicators. National Research Council and Board on Testing and Assessments: Washington DC
- Burchinal, M. (2011, Nov) Discussant for New Evidence on Child Care and Child Outcomes Presentations. Chair :J. Wolfogel. Symposium presented at the Annual Meeting of the Association for Public Policy Analysis and Management. Nov, 2011: Washington DC
- Albarran, A. S., & Burchinal, M. (March, 2011). Quality child care effect on kindergarten abilities and special education placement. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Burchinal, M., Xue, Y., Tien, H., Auger, A., & Mashburn, A. J. (March, 2011). *Secondary data analysis looking for thresholds in child care quality*. In I. M. Martinez-Beck (chair). Child care quality dosage, thresholds, and features and child outcomes: New analyses of data from national studies. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Dang, T. T., Farkas, G., Duncan, G. J., Burchinal, M., Vandell, D. L., Li, W., Ruzek, E. A., & Howes, C. (March, 2011). *Child care quality and school readiness: Quality main effects and variation by demographic and child characteristics*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Auger, A., & Burchinal, M. (April, 2011). *The long term effects of parenting characteristics and child care quality on academic achievement*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Bub, K. L., Ferretti, L. K., & Burchinal, M. (April, 2011). *Sustaining the social and cognitive benefits of Head Start: Does a continuous learning model work?* In K. L. Bub (chair). Classroom supports for children at risk: Short- and long-term effects of early intervention programs. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Burchinal, M. (April, 2011). Incorporating mediators and moderators in testing theories of change. In A. A. Morgan-Lopez (chair). Methodological issues in developmental science. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Burchinal, M., Belsky, J., & Vandell, D. L. (April, 2011). *Does parenting in middle childhood moderate early child care effects: Results from NICHD SECCYD*. In E. Dearing (chair). Contextualizing the link between non-maternal child care and behavior problems: Looking home and abroad. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Li, W., & Burchinal, M. (April, 2011). *How does infant care quality moderate the impacts of preschool quality on school readiness?* In S. Cote (chair). Child care and child

- development in western countries: Results from 3 European and North American population samples. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Li, W., Goldberg, W. A., & Burchinal, M. (April, 2011). *The ecological context of maternal work intensity over the child's first five years of development*. In W. A. Goldberg (chair). Contexts of early child development: Connections between maternal employment and childcare. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Powell, D. R., Diamond, K. E., & Burchinal, M. (April, 2011). *Effects of a coaching-based professional development intervention on Head Start teachers' vocabulary instruction*. In R. C. Pianta & C. C. Raver (chairs). Effective approaches for improving quality and school readiness. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Thibaut, J., French, R. M., Vezneva, M., Richland, L. E., Morrison, R. G., Dumas, L. A. A., & Burchinal, M. (April, 2011). *The role of executive function in children's analogical reasoning*. In L. E. Richland (chair). Children's development of analogical reasoning. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Vandell, D., Belsky, J., Burchinal, M., & Steinberg, L. (March, 2009). *Do effects of early child care extend to age 15 years? Results from the NICHD Study of Early Child Care*. In J. Belsky (chair). Effects of early childcare and parenting in adolescence: New results of the NICHD Study of Early Child Care and Youth Development. Invited symposium presented at the Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- Steinberg, L., & Burchinal, M. (March, 2009). *What matters most? Differential impact of early child care versus early parenting on adolescent functioning*. In J. Belsky (chair). Effects of early childcare and parenting in adolescence: New results of the NICHD Study of Early Child Care and Youth Development. Invited symposium presented at the Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- Kainz, K. L., Willoughby, M. T., Vernon-Feagans, L., & Burchinal, M. (March, 2009). *How do families' economic conditions affect children in rural families?* In A. Gassman-Pines (chair). The effects of family income on child development: A new look at an established relationship. Invited symposium presented at the Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- Grimm, K. J., Vandergrift, N., Burchinal, M., Mashburn, A. J., & Pianta, R. C. (March, 2009). *Long-term effects of preschool quality on changes in children's achievement*. In N. Palacios (chair). Classroom quality and the early development of at-risk children. Invited symposium presented at the Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- Burchinal, M., McCartney, K. A., & Steinberg, L. (March, 2009). *Examining the black-white achievement gap among low-income children in the NICHD Study of Early Child Care*. In E. Votruba-Drzal (chair). Early achievement disparities by race/ethnicity and social class: strengthening our understanding of process. Invited symposium presented at the Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- Powell, D. R., Diamond, K. E., & Burchinal, M. (March, 2009). *Effects of a professional development intervention on teaching practices and children's language and literacy outcomes*. Poster presentation at the Biennial Meeting of the Society for Research in Child Development, Denver, CO.

- Vandergrift, N., Burchinal, M., & Pianta, R. C. (March, 2009). *Threshold analysis of association between child care quality and child outcomes: Low-income children in pre-kindergarten*. In E. Votruba-Drzal (chair). Everyday child care experiences of economically disadvantaged preschoolers: descriptions and implications. Invited symposium presented at the Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- Burchinal, M. (March, 2009). *Early childhood assessment: Why, what, and how*. In W. R. Beardslee & R. Chalk (chairs). Recent studies on mental health, depression, and assessment of young children from the National Academy of Sciences. Invited symposium presented at the Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- Zaslow, M., Burchinal, M., & Tout, K. (July, 2008). *Assessing Measures of quality: What do we know so far?* Symposium presented at the Child Care Bureau State and Territory Child Care Administrators Meeting, Washington, DC.
- Burchinal, M. (June, 2008). *Competencies and credentials for early childhood educators: What do we know and what do we need to know?* Keynote speaker at Head Start's Ninth National Research Conference, Washington, DC.
- Burchinal, M. (March, 2008). *The examination of preschool effects from multiple lenses and perspectives*. Symposium presented at the Annual Meeting of the American Educational Research Association, New York, NY.
- Vernon-Feagans, L., Cox, M. J., & Burchinal, M. R. (March, 2007). *The family life project: Risk and parenting at 6 months as predictors of child outcomes at 15 months in rural poor families*. In L. Vernon-Feagans & M. J. Cox (chairs). The Family Life Project: An epidemiological and developmental study of rural poor communities, families and young children. Invited symposium presented at the Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Iruka, I. U., & Burchinal, M. R. (March, 2007). *Advantage of multiple nurturing relationships for preschoolers*. Poster presentation at the Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Early, D., Maxwell, K., & Burchinal, M. R. (March, 2007). *Teachers' education, classroom quality, and young children's academic skills: Results from seven studies of preschool programs*. In D. Early (chair). Promoting positive child development: Teacher education and in-service training in early care and education. Invited symposium presented at the Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Owen, M. T., & Burchinal, M. R. (March, 2007). *Early child care and parent-child interactions of both mothers and fathers through third grade*. Poster presentation at the Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Burchinal, M. (March, 2007). *Head start and early childhood education studies: Discussing the results*. In J. Brooks (chair). Giving children a true head start: What research tells us about the effectiveness of early childhood education programs. Roundtable discussion presented at the Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Burchinal, M. R., & Skinner, D. (March, 2007). *Infant child care in rural low-income communities: An integrated quantitative and qualitative analysis of family life project data*. Poster presentation at the Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Burchinal, M. R., Roberts, J. E., & Zeisel, S. A. (March, 2007). *Social risk and protective factors for African American children's academic achievement during the transition to middle*

- school*. In R. Mistry (chair). Poverty, child development, and early school transitions. Invited symposium presented at the Biennial Meeting of the Society of Research in Child Development, Boston, MA.
- Burchinal, M. (December, 2006). *Plenary: Research perspectives on the measurement of quality*. Invited paper for the Child Care Bureau, Measuring Quality in Early Childhood and School-Age Settings: At the Junction of Research, Policy and Practice, Washington, DC.
- Burchinal, M. (July, 2006). *Introduction to longitudinal data analysis*. In S. Friedman and S. Havighurst (chairs) Development in context: Making best use of existing longitudinal data. Invited Pre-Conference for the 19th Biennial Meeting of the International Society for the Study of Behavioural Development, Melbourne, Australia.
- Burchinal, M. (July, 2006). *Child care effect sizes for the NICHD Study of Early Child Care and Youth Development*. In S. Friedman & J. Ungerer (chairs). The magnitude of the effects of child care and preschool: Comparing findings from Australia, the UK, and the USA. Symposium presented at 19th Biennial Meeting of the International Society for the Study of Behavioural Development, Melbourne, Australia.
- Friedman, S., & Burchinal, M. (July, 2006). *NICHD Study of Child Care and Youth Development*. In S. Friedman & S. Havighurst (chairs) Development in context: Making best use of existing longitudinal data. Invited Pre-Conference for the 19th Biennial Meeting of the International Society for the Study of Behavioural Development, Melbourne, Australia.
- Burchinal, M. (April, 2005). *Data management and maintaining data integrity*. In M. Burchinal (chair). Back to School: The good, the bad, and the ugly – Rules and practices in data management and analysis. Invited symposium presented at the Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.
- Vandell, D., Burchinal, M., Belsky J., Own, M. T., Friedman, S., Clarke-Stewart, K. A., McCartney, K., & Weinraub, M. (April, 2005). *Early child care and children's development in the primary grades: Follow-up results from the NICHD Study of Early Child Care*. In M. Burchinal (chair). Early child care and children's development in the primary grades: Results from four large longitudinal projects. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.
- Burchinal, M., Howes, C., Pianta, R., Bryant, D., Clifford, R., Early, D., & Barbarin, O. (April, 2005). *Pre-kindergarten and children's development in kindergarten: NCEDL Evaluation of Pre-kindergarten Program*. In M. Burchinal (chair). Early child care and children's development in the primary grades: Results from four large longitudinal projects. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.
- Burchinal, M. (April, 2003). *Diversity, child care quality, and developmental outcomes*. In K. McCartney (chair). Child care and maternal employment effects in the NICHD Study of Early Child Care and Youth Development. Poster symposium presented at the Biennial Meeting of the Society for Research in Child Development, Orlando, FL.
- Burchinal, M., & Duncan, G. (April, 2003). *Does child care quality matter more for children with low cognitive skills*. In R. Coley & E. Votruba-Drzal (chairs) Nonmaternal care use and quality: For whom is child care most important? Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Orlando, FL.
- Vandell, D., Burchinal, M., Friedman, S., & Brownell, C. (April, 2001). *Overview of early child care effects at 4.5 years*. In J. Belsky (chair). Early childcare and children's development prior to school entry. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Minneapolis, MN.

- Burchinal, M., Peisner-Feinberg, E., Howes, C., & Clifford, R. (April, 2001). *Examining the impact of selection bias on relationships between child care quality and child outcomes: Cost, Quality, and Outcomes Study*. In A. Huston (chair). Selection problems and solutions in longitudinal developmental studies. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Minneapolis, MN.
- Burchinal, M., & Caskie, G. (June, 2000). *Relations of AFDC use with family characteristics and child outcomes*. Technical paper presented at the Head Start's Fifth National Research Conference, Washington, DC, 668.
- Roberts, J. E., Jackson, S., Burchinal, M., & Zeisel, S. (June, 2000). *Child, family, and childcare factors: Predictors of African American children's school transition*. Technical paper presented at the Head Start's Fifth National Research Conference, Washington, DC, 257.
- NICHD Early Childhood Research Network. (August, 1999). *Effect sizes from the NICHD Study of Early Child Care*. In A. Huston (chair). Overview of the NICHD Study of Early Child Care. Symposium presented at the Annual Meeting of the American Psychological Association, Boston, MA.
- Burchinal, M. (April, 1999). *Family selection and child care experiences*. In F. Glanz (chair) Selection issues in child care: Estimating the effects of child care on child outcomes. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Albuquerque, NM.
- NICHD Early Child Care Network. (April, 1999). *Effect sizes from the NICHD Study of Early Child Care*. In K. McCartney & A. Clarke-Stewart (chairs). Does child care matter? Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Albuquerque, NM.
- Campbell, F.A., Burchinal, M., Caskie, G., & Bryant, D. (April, 1999). *AFDC use over time and childcare, family characteristics, and child outcomes*. In R. Clifford (chair). Perspectives on quality in early childhood settings: Findings from the National Center for Early Development and Learning. Symposium presented at the Annual Meeting of the American Educational Research Association, Montreal, Canada.
- Burchinal, M., & Caskie, G. I. L. (July, 1998). *Relations of AFDC use with family characteristics and child outcomes*. Poster presented at the Head Start's Fourth National Research Conference, Washington, DC.
- NICHD Early Child Care Network. (April, 1997). *Mother-child interactions and cognitive outcomes associated with early child care: Results from the NICHD study*. Poster symposium presented at the biennial meeting of the Society for Research in Child Development, Washington, DC.
- Burchinal, M. (April, 1997). *Growth curve analysis: Early intervention effects and mediating factors in cognitive performance from birth to 8 years of age*. In A. Sayers & M. Shanahan (chairs). Dynamic models of children in poverty: Bridging methods and concepts. Paper symposium presented at the biennial meeting of the Society for Research in Child Development, Washington, DC.
- Burchinal, M., & Skinner, D. (June, 1996). *Integrating qualitative and quantitative analyses of classroom quality*. Poster to be presented at Head Start's Third National Research Conference, Washington, DC.
- Burchinal, M., & Howes, C. (June, 1996). *Quality of infant and toddler center child care for low and middle income children*. Poster to be presented at Head Start's Third National Research Conference, Washington, DC.

- Burchinal, M., Phillipsen, L., Cryer, D., & Howes, C. (April, 1996). *Quality of infant and toddler center care: Inter-relations among process and structural measures*. Poster presented at the biennial meeting of the International Conference for Infant Studies, Providence, RI.
- Burchinal, M., Roberts, J., Nabors, L., & Bryant, M. (April, 1996). *Quality of infant center care and infant cognitive and language development*. Poster presented at the biennial meeting of the International Conference for Infant Studies, Providence, RI.
- Burchinal, M. (March, 1996). *Purposefully incomplete longitudinal designs: Overview of methods for data analysis*. Poster presented at the annual meeting of the Society for Research in Adolescence, Boston, MA.
- Burchinal, M., & Sideeq, A. (March, 1996). *Math achievement from 8 to 15 years among low-income African-American children: Effects of early intervention and family factors*. Poster presented at the annual meeting of the Society for Research in Adolescence, Boston, MA.
- Burchinal, M., & Kinney, T. (March, 1995). *A profile of school-age pediatric patients*. Poster presented at the 20th Meeting of the National Sickle Cell Program, Boston, MA.
- Burchinal, M. (March, 1995). *Purposefully incomplete longitudinal designs: An overview of methods for data analysis*. In M. Burchinal (chair). An overview of methods for analyzing longitudinal data. Paper symposium presented at Biennial Meeting of the Society for Research in Child Development, Indianapolis, IN.
- Burchinal, M. (March, 1995). *Child care quality: Intercorrelations among process and structural measures*. In M. Burchinal (chair). The child care costs, quality, and outcomes project. Paper symposium presented at Biennial Meeting of the Society for Research in Child Development, Indianapolis, IN.
- Burchinal, M., Helms, R., Phillips, G., & Kinney, T. (March, 1994). *The Duke/UNC Comprehensive Sickle Cell Center Clinical Core Data Base: A prospective study of medical and psycho-social characteristics of patients*. Poster presented at the 19th Meeting of the National Sickle Cell Program, New York, NY.
- Burchinal, M. (March, 1993). Predictors of patterns of cognitive development among poverty children: Early intervention and characteristics of the child and family. In C.T. Ramey (chair). *Efficacy of early intervention for poverty children: Results from three longitudinal studies*. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, New Orleans, LA.
- Burchinal, M., Voegler, M. E., & Stewart, P. (March, 1993). Using tracking analysis to identify extreme groups. In N.A. Fox & J.B. Asendorff (chairs). *The developmental analysis of temperament: Discrete types or continuous traits*. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, New Orleans, LA.
- Pungello, E. P., Kupersmidt, J. B., Burchinal, M. R., & Patterson, C. (April, 1993). *Individual growth curve analyses of poverty, acute stress, ethnicity, and gender as predictors of children's academic achievement*. Paper presented at the Annual meeting of the American Educational Research Association, Washington, DC.
- Burchinal, M. (May, 1992). Relationship between age of peers and early child development: A longitudinal study. In D. Bailey (chair). *Behavioral, developmental, and health effects of same-age and mixed-age child care groupings*. Symposium presented at the Eighth International Conference on Infant Studies, Miami Beach, FL.
- Burchinal, M., Bailey, D., & Snyder, P. (September, 1992). *Using growth curve analysis to evaluate the effects of longitudinal interventions: Rationale and an example*. Paper presented at the Sixth International Conference on Children at Risk, Santa Fe, NM.

- Burchinal, M., Bryant, D., & Campbell, F. (May, 1992). *Infant and center daycare and teacher ratings of behavior at 8-9 years*. Poster presented at the Eighth International Conference on Infant Studies, Miami Beach, FL.
- Kupersmidt, J., Burchinal, M., Leff, S., & Patterson, C. (March, 1992). *A longitudinal study of perceived support and conflict with parents from middle childhood through adolescence*. Paper presented at the Biennial meeting of the Society for Research on Adolescence, Washington, DC.
- Burchinal, M., Stewart, P. W., Pekow, P. S., & Helms, R. W. (August, 1991). *Tracking in irregularly-timed, longitudinal, pulmonary function data: Empirical results*. Paper presented at the Annual Meeting of the American Statistical Association, Atlanta, GA.
- Burchinal, M. (April, 1991). *Infant-mother attachment, infant daycare, and school-aged classroom behaviors*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.
- Ramey, S. L., Burchinal, M., & Jaccard, J. (April, 1991). The Washington Family Behavior Study. In M. Burchinal (chair). *Early experience and children's competencies: New findings from four longitudinal studies*. Symposium conducted at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.
- Burchinal, M., Campbell, F. A., Wasik, B. W., & Ramey, C. T. (June, 1991). *Differential effects of poverty on intellectual development: a developmental cluster analysis*. Paper presented at the National Working Conference on New Directions in Child and Family Research: Shaping Head Start in the Nineties, Arlington, VA.
- Ramey, C. T., Campbell, F. A., Burchinal, M., Sparling, J. J., & Wasik, B. W. (June, 1991). *Early intervention and long term predictors of school success*. Paper to be presented at the National Working Conference on New Directions in Child and Family Research: Shaping Head Start in the Nineties, Arlington, VA.
- Whitt, J. K., Hooper, S. R., Tennison, M. B., Robertson, W. T., Golds, S. H., Burchinal, M. R., Combest J., Whaley, R. A., McMillan, C., & Hall, C. D. (June, 1991). *Longitudinal patterns of neuropsychologic functioning in HIV-infested children with hemophilia*. Paper presented at the Neuroscience of HIV Infection Conference, Padova, Italy.
- Burchinal, M. (April, 1989). *Comparison of models for estimating individual growth curves*. Paper presented at the Biennial meeting of the Society for Research in Child Development, Kansas City, MO.
- Bryant, D., & Burchinal, M. (April, 1989). *Predictors of early school failure among high-risk children*. Paper presented at the Biennial meeting of the Society for Research in Child Development, Kansas City, MO.
- Burchinal, M. (1988) *Multidimensional scaling as a sociometric technique*. Paper presented at the annual meeting of the American Psychological Association, Atlanta, GA.
- Roberts, J. E., Burchinal, M. R., Perry-Davis, B. & Footo, M. M. (1989). *Otitis media birth to three and three to five: Impact on academic outcomes*. Paper presented at Annual American Speech and Hearing Association Convention, St. Louis, MO.
- Bryant, D., & Burchinal, M. (1988). *Age as a risk factor for school failure*. Paper presented at the Annual Meeting of the American Psychological Association, Atlanta, GA.
- Roberts, J. E., Footo, M. M., & Burchinal, M. R. (1988). *Phonological development from 2 1/2 to 8: Group and individual differences*. Paper presented at the Annual American Speech and Hearing Association Convention, Boston, MA.

- Roberts, J. E., Webster, T. A., & Burchinal, M. R. (1988). *Otitis media and later speech and language*. Technical session presented at the Annual American Speech and Hearing Association Convention, Boston, MA.
- Horacek, H., Hoffman, K., Lee, M., Burchinal, M., & Ramey, C. (1987). *School competence: Impact of mother-child relationship, early intervention, & gender*. Paper presented at the annual meeting of the Robert Wood Johnson Clinical Scholars, Scottsdale, AZ.
- Horacek, H., Hoffman, K., Lee, M., Burchinal, M., & Ramey, C. (1987). *Predicting classroom behavior problems from mother-child interaction & early intervention with high risk infants: Paradoxical results*. Paper presented at the biennial meeting of the National Center for Clinical Infant Programs, Washington, DC.
- Lee, M., & Burchinal, M. (1987). *Children of poverty: A multi-level analysis of the determinants of intellectual development*. Paper presented at the Society for Research in Child Development, Baltimore, MD.
- Roberts, J. E., Burchinal, M. R., Koch, M. A., Collier, A. M., & Henderson, F. W. (1987). *Otitis media in early childhood and its relationship to later speech and language*. Paper presented at the fourth International Symposium on Recent Advances in Otitis Media. Bal Harbour, FL.
- Bryant, D., & Burchinal, M. (1986). *Predicting patterns of intellectual development in poverty children*. Paper presented at the biennial meeting of the International Conference for Infant Studies, Los Angeles, CA.
- Burchinal, M., & Bryant, D. (1986). *Does daycare affect infant-mother attachment level*. Paper presented at the annual meeting of the American Psychological Association, Washington, DC.
- Burchinal, M., Lee, M., & Ramey, C. (1986). *Daycare effects on preschool intellectual development in poverty children*. Paper presented at the annual meeting of the American Psychological Association, Washington, DC.
- Burchinal, M. (1986). *A macro for conditional ordinary least squares and weighted least squares analysis of repeated measures data*. Paper presented at the SAS User's Group International Conference, Atlanta, GA.
- Roberts, J., Henderson, F., Burchinal, M., Schaeffer, E., & Webster, T. (1986). *Otitis Media and school-age verbal, academic and social performance*. Paper presented at the American Speech and Hearing Conference, Detroit, MI.
- Burchinal, M., Bryant, D., & Sparling, J. (1984). *Predicting poverty children's IQ from mother's social support network*. Paper presented at the International Conference for Infant Studies, New York, NY.
- Bryant, D., Ramey, C., & Burchinal, M. (1982). *Intervention effects on mother-child interactions*. Paper presented at the International Conference for Infant Studies, Austin, TX.
- Burchinal, M., & Farran, D. (1980). *How important is early mother-child interaction for development during infancy?* Paper presented at the International Conference for Infant Studies, New Haven, CT.
- East, S., Farran, D., Burchinal, M., & Ramey, C. (1979). *The social responsiveness of infants in daycare*. Paper presented at the annual meeting of the American Psychological Association, New York, NY.
- Farran, D., Burchinal, M., East, S., & Ramey, C. (1978). *Attachment between daycare infants and their teachers*. Paper presented at the Southeastern Conference on Human Development, Atlanta, GA.

