



Teaching Manual

Quick Reference Guide for Published Studies

TEACHING MANUAL—TABLE 1

Quick Reference Guide for Published Studies using NCATS from 1998–2023

SPECIFIC POPULATIONS OF INTEREST	AUTHOR(S)	YEAR
Aboriginal Canadians	Letourneau, Hungler & Fisher	2005
Australian	Treyvaud, Rogers, Matthews & Allen	2010
Australian	Sawyer, Kaim, Le, McDonald, Mittinty, Lynch & Sawyer	2019
Bangladeshi	Frith, Naved, Ekstrom, Rasmussen & Frongillo	2009
Canadian	Letourneau, Tryphonopoulos, Novick, Heart, Giesbrecht & Oxford	2018
Costa Rica, Limon	Till, Dudani, Cordoba, Cano, Green, Menezes-Filho, Schnaas, Smith, Lindh & van Wendel de Joode	2019
Japanese	Hirose, et al. Loo, Ohgi & Howard Teramoto, Hirose & Bakeman	2007 2005 2010
Korean	Park & Bang	2022
Mexican American Or Latinas	Kolobeia Zahr	2004 2000
South African	Bigelow, Littlejohn, Bergman & McDonald	2010
United Kingdom	Mischenko, Cheater & Street	2004
United States (Nationally Representative Sample N > 10,000)	Bronte-Tinkew, Zaslow, Capps, Horowitz & McNamara Fuller, Bein, Bridges, Halfon, Jung, Rabe-Hesketh et al. Page, Wilhelm, Gamble & Carda	2007 2010 2010

SPECIFIC CHARACTERISTICS OF INTEREST	AUTHOR(S)	YEAR
Adolescent Mothers	Drummond, Letourneau, Neufeld, Stewart & Weir Gaffney, Barndt-Maglio, Myers & Kollar Koniak-Griffin, Anderson, Brecht, Verzemnieks, Lesser & Kima Koniak-Griffin, Verzemnieks, Anderson, Brecht et al. Luster, Bates, Fitzgerald, Vandenbelt & Key Luster & Vandenbelt Oxford & Spieker Sadler, Swartz & Ryan-Krause Sadler, Swartz & Ryan-Krausea	2008 2002 2002 2003 2000 1999 2006 2003 2007
Alcohol Exposure	Brown, Olson & Croninger Williams Brown, Carmichael Olson & Croninger	2010 2010
Attachment Security	Rispoli, McGoey, Koziol & Schreiber Pickard, Townsend, Caputi & Grenyer	2013 2018
Autism Spectrum Disorders	Jeans, Santos, Laxman, McBride & Dyer	2013
Bilateral Hearing Loss	Sininger, Grimes & Christensen	2010
Brain Injury	Badr, Garg & Kamath	2006
Caregivers With Mental Health Diagnosis	Osborne, Mattiske, Winter & Williams Oxford, Hash, Lohr, Fleming, Dow-Smith & Spieker Ronzio, Huntley & Monaghan Sawyer, Kaim, Reece, McDonald, Le, Clark, Lynch & Sawyer Spieker, Oxford, Fleming & Lohr	2021 2023 2013 2019 2018
Caregiver Disengagement	Rasmussen, Borelli, Decoste & Suchman	2016
Child Development	Mortensen & Jeon	2023

TEACHING MANUAL—TABLE 1

Quick Reference Guide for Published Studies using NCATS from 1998–2023

SPECIFIC CHARACTERISTICS OF INTEREST	AUTHOR(S)	YEAR
Cocaine Exposure	Beeghly, Frank, Rose-Jacobs, Cabral & Tronick	2003
	Blackwell, Kirkhart, Schmitt & Kaiser	1998
	Blackwell, Lockman & Kaiser	1999
	Minnes, Singer, Arendt & Satayathum	2005
Colic	Dihigo	1998
Developmental Disability	Heyman & Hauser-Cram	2019
	Rosales, Deng, Nishiyori, Vanderbilt & Smith	2022
	Wang, Chen, Liao, Tu, Morgan & Morgan	2019
Down Syndrome	Hauser-Cram, Warfield, Shonkoff, Krauss, Upshur & Sayer	1999
Failure To Thrive	Stewart & Meyer	2004
Fathers	Benzies, Magill-Evans, Kurilova, Nettel-Aguirre, Blahitka & Lacaze-Masmonteil	2013
	Goodman	2008
	Harrison, Magill-Evans & Sadoway	2001
	McKelvey, Bokony, Swindle, Conners-Burrow, Schiffman & Fitzgerald	2011
	Nakamura, Stewart & Tatarka	2000
Food Insecurity	Zaslow, Bronte-Tinkew, Capps, Horowitz, Moore & Weinstein	2009
Genetics/Temperament	Roisman & Fraley	2006
Lower Income	Banerjee & Tamis-Lemonda	2007
	Brophy-Herb, Stansbury, Bocknek & Horodynski	2012
	Brophy-Herb, Schiffman, Bocknek, Dupuis, Fitzgerald, Horodynski, Onaga, Egeren & Hillaker	2010
	Leung & Suskind	2020
	Rispoli, Koziol, McGoey & Schreiber	2019
	Schiffman, Omar & McKelvey	2003
Maltreatment Risk	Duggan, Berlin, Cassidy, Burrell & Tandon	2009
	Huebner	2002
Full-Term Healthy Neonates	Koniak-Griffin & Verzemnieks	1995
Orofacial Clefts	Collet & Speltz	2007
Preterm Infants	Banerjee, McFadden, Shannon & Davidson	2023
	Chiu & Anderson	2009
	Glazebrook, Marlow, Croudace, Johnson, White & Whitelaw	2007
	Kang, Barnard, Hammond & Oshio	1995
	Kang, Barnard, Oshio & Hammond	1991
	Magill-Evans & Harrison	1999
	Treyvaud, Rogers, Matthews & Allen	2009
Reunified Birth Parents	Oxford, Marcenko, Fleming, Lohr & Spieker	2016
Temperament	Planalp, Van Hulle & Goldsmith	2019
	Rispoli, McGoey, Koziol & Schreiber	2013

TEACHING MANUAL—TABLE 1

Quick Reference Guide for Published Studies using NCATS from 1998–2023

SPECIFIC NAMED PROGRAM EVALUATION	AUTHOR(S)	YEAR
Communicating And Relating Effectively	Horowitz, Murphy, Gregory, Wojcik, Pulcini & Solon	2013
Comprehensive Child Development Program	Goodson, Layzer, St. Pierre, Bernstein & Lopez Pierre & Layzer	2000 1999
Early Head Start	Horodynski & Gibbons Lugo-Gil & Tamis-LeMonda	2004 2008
Nicu Family Integrated Care	Church, Grunau, Mirea, Petrie, Soraisham, Synnes, Ye & O'Brien	2020
Hawaii's Healthy Start	Duggan, McFarlane, Windham, Rohde, Salkever et al.	1999
Healthy Families Alaska	Duggan, Caldera, Rodriguez, Burrell, Rohde & Crowne	2007
Healthy Steps Pediatric Care	Caughy, Huang, Miller & Genevro	2004
Keys To Caregiving Intervention	Drummond, Letourneau, Neufeld, Stewart & Weir Jung, Short, Letourneau & Andrews Leourneau Letourneau, Drummond, Fleming, Kysela, McDonald & Stewart Magill-Evans, Harrison, Benzies, Gierl & Kimak	2008 2007 2001 2001 2007
Meta Analyses	Bakermans-Kranenberg, Van IJzendoorn & Juffer	2008
Mothers And Toddlers Program®	Suchman, DeCoste, Castiglioni, Legow & Mayes Suchman, DeCoste, Castiglioni, McMahon, Rounsaville & Mayes Suchman, DeCoste, Leigh & Borelli Suchman, Decoste, Rosenberger & McMahon	2008 2010 2010 2012
Nurse Family Partnership®	Kitzman, Olds, Henderson, Hanks, Cole, et al.	1997
Parent Support Program	Drummond, Weir & Kysela	2002
Promoting First Relationships®	Booth-LaForce, Oxford, O'Leary & Buchwald Booth-LaForce, Oxford, Barbpsa-Leiker, Burduli & Buchwald Kelly, Buehlman & Caldwell Oxford, Hash, Lohr, Bleil, Fleming, Unützer & Spieker Oxford, Spieker, Lohr & Fleming Pasalich, Fleming, Spieker, Lohr & Oxford Spieker, Oxford, Kelly, Nelson & Fleming	2023 2020 2000 2021 2016 2019 2012
Right From The Start	Bohr, Halpert, Chan, Lishak & Brightling	2010
Watch Me Move	Natrasony & Teitelbaum	2016

References

- Alvarez-Monjarás, M., McMahon, T.J., and Suchman, N.E. (2017). Does maternal reflective functioning mediate associations between representations of caregiving with maternal sensitivity in a high risk sample. *Psychoanalytic Psychology*, October 26.
- Anderson, S.E., Lemeshow, S., & Whitaker, R.C. (2014). Maternal-infant relationship quality and risk of obesity at age 5.5 years in a national US cohort. *BMC Pediatrics*, 14(54).
- Bakermans-Kranenburg, M. J., Van IJzendoorn, M. H., Mesman, J., Alink, L. R., & Juffer, F. (2008). Effects of an attachment-based intervention on daily cortisol moderated by dopamine receptor D4: A randomized control trial on 1- to 3-year-olds screened for externalizing behavior. *Developmental Psychopathology*, 20(3), 805–820. doi: S0954579408000382 [pii] 10.1017/S0954579408000382
- Banerjee, P., & Tamis-Lemonda, C. (2007). Infants' persistence and mothers' teaching as predictors of toddlers' cognitive development. *Infant Behavior & Development*, 30(3), 479–491.
- Benzies, K. M., Magill-Evans, J., Kurilova, J., Nettel-Aguirre, A., Blahitka, L., & Lacaze-Masmonteil, T. (2013). Effects of video-modeling on the interaction skills of first-time fathers of late preterm infants. *Infants & Young Children*, 26(4), 333–348. https://doi.org/10.1097/yc.0b013e3182a4ed5e
- Bigelow, A. E., Littlejohn, M., Bergman, N., & McDonald, C. (2010). The relation between early mother–infant skin-to-skin contact and later maternal sensitivity in South African mothers of low birth weight infants. *Infant Mental Health Journal*, 31(3), 358–377. doi: 10.1002/imhj.20260
- Bohr, Y., Halpert, B., Chan, J., Lishak, V., & Brightling, L. (2010). Community-based parenting training: Do adapted evidence-based programmes improve parent-infant interactions? *Journal of Reproductive and Infant Psychology*, 28(1), 55–68.
- Bornstein, M., Putnick, D., Suwalsky, J., & Gini, M. (2006). Maternal chronological age, prenatal and perinatal history, social support, and parenting of infants. *Child Development*, 77, 875–892.
- Bronte-Tinkew, J., Zaslow, M., Capps, R., Horowitz, A., & McNamara, M. (2007). Food insecurity works through depression, parenting, and infant feeding to influence overweight and health in toddlers. *The Journal Of Nutrition*, 2160–2165.
- Brophy-Herb, H. E., Schiffman, R. F., Bocknek, E. L., Dupuis, S. B., Fitzgerald, H. E., Horodynski, M., Onaga, E., Van Egeren, L. A., & Hillaker, B. (2010). Toddlers' social-emotional competence in the contexts of maternal emotion socialization and contingent responsiveness in a low-income sample. *Social Development*, 20(1), 73–92. https://doi.org/10.1111/j.1467-9507.2009.00570.x
- Brophy-Herb, H. E., Stansbury, K., Bocknek, E., & Horodynski, M. A. (2012). Modeling maternal emotion-related socialization behaviors in a low-income sample: Relations with toddlers' self-regulation. *Early Childhood Research Quarterly*, 27(3), 352–364. https://doi.org/10.1016/j.ecresq.2011.11.005
- Caughy, M. O. B., Huang, K.-Y., Miller, T., & Genevro, J. L. (2004). The effects of the Healthy Steps for Young Children Program: results from observations of parenting and child development. *Early Childhood Research Quarterly*, 19(4), 611–630.
- Church, P. T., Grunau, R. E., Mirea, L., Petrie, J., Soraisham, A. S., Synnes, A., Ye, X. Y., & O'Brien, K. (2020). Family Integrated Care (FICare): Positive impact on behavioural outcomes at 18 months. *Early Human Development*, 151, 105196. https://doi.org/10.1016/j.earlhumdev.2020.105196
- Drummond, J., Letourneau, N., Neufeld, S., Stewart, M., & Weir, A. (2008). Effectiveness of teaching an early parenting approach within a community-based support service for adolescent mothers. *Research in Nursing & Health*, 31(1), 12–22.
- Duggan, A., Berlin, L., Cassidy, J., Burrell, L., & Tandon, D. (2009). Examining maternal depression and attachment insecurity as moderators of the impacts of home visiting for at-risk mothers and infants. *Journal of Consulting and Clinical Psychology*, 77(4), 788–799.
- Duggan, A., Caldera, D., Rodriguez, K., Burrell, L., Rohde, C., & Crowne, S. S. (2007). Impact of a statewide home visiting program to prevent child abuse. *Child Abuse & Neglect*, 31(8), 801–827.
- Gaffney, K. F., Barndt-Maglio, B., Myers, S., & Kollar, S. J. (2002). Early clinical assessment for harsh child discipline strategies. *MCN: The American Journal of Maternal/Child Nursing*, 27(1), 34–40. doi: 10.1097/00005721-200201000-00011
- Glazebrook, C., Marlow, N., Croudace, T., Johnson, S., White, I., & Whitelaw, A. (2007). Randomised trial of a parenting intervention during neonatal intensive care. *Archives of Disease in Childhood*, 92, 438–443.
- Goodman, J. H. (2008). Influences of maternal postpartum depression on fathers and on father–infant interaction. *Infant Mental Health Journal*, 29(6), 624–643. doi: 10.1002/imhj.20199
- Goodson, B. D., Layzer, J. I., St.Pierre, R. G., Bernstein, L. S., & Lopez, M. (2000). Effectiveness of a comprehensive, five-year family support program for low-income children and their families: findings from the comprehensive child development program. *Early Childhood Research Quarterly*, 15(1), 5–39.
- Heller S.S., Wasserman K., Kelley A., Clark R. (2019) Observational Assessment of the Dyad. In: Frankel K., Harrison J., Njoroge W. (eds) *Clinical Guide to Psychiatric Assessment of Infants and Young Children*. Springer, Cham
- Herman, K.C. et al. (2016) Language delays and child depressive symptoms: The role of early stimulation in the home. *Prevention Science*, 17(5), 533–543.
- Heyman, M., & Hauser-Cram, P. (2019). The influence of the family environment on adaptive functioning in the classroom: A longitudinal study of children with developmental disabilities. *Research in Developmental Disabilities*, 86, 20–30. https://doi.org/10.1016/j.ridd.2019.01.001
- Horowitz, J. A., Murphy, C. A., Gregory, K., Wojcik, J., Pulcini, J., & Solon, L. (2013). Nurse home visits improve maternal/infant interaction and decrease severity of postpartum depression. *Journal of Obstetric, Gynecologic & Neonatal Nursing*, 42(3), 287–300. https://doi.org/10.1111/1552-6909.12038
- Jeans, L. M., Santos, R. M., Laxman, D. J., McBride, B. A., & Dyer, W. J. (2013). Early predictors of ASD in young children using a nationally representative data set. *Journal of Early Intervention*, 35(4), 303–331. https://doi.org/10.1177/1053815114523319
- Kelly, J., Buehlman, K., & Caldwell, K. (2000). Training Personnel to Promote Quality Parent-Child Interaction in Families Who Are Homeless. *Topics in Early Childhood Special Education*, 20(3), 174–185.

- Kolobe, T. H. (2004). Childrearing practices and developmental expectations for Mexican-American mothers and the developmental status of their infants. *Physical Therapy*, 84(5), 439–453.
- Koniak-Griffin, D., Anderson, N. L. R., Verzemnieks, I., & Brecht, M.-L. (2000). A public health nursing early intervention program for adolescent mothers: Outcomes from pregnancy through 6 weeks postpartum. *Nursing Research*, 49(3), 130–138.
- Letourneau, N., Stewart, M., Dennis, C. L., Hegadoren, K., Duffett-Leger, L., & Watson, B. (2011). Effect of home-based peer support on maternal–infant interactions among women with postpartum depression: A randomized, controlled trial. *International Journal of Mental Health Nursing*, 1–13. doi: 10.1111/j.1447-0349.2010.00736.x
- Letourneau, N., Tryphonopoulos, P.D., Novick, J., Hart, J.M., Giesbrecht, G., and Oxford, M.L. (2018). Nursing Child Assessment Satellite Training Parent Child Interaction Scales: Comparing American and Canadian normative and high-risk samples. *Journal of Pediatric Nursing*, (40), May-June, 47–57.
- Leung, C.Y.Y.,& Suskind, D.L. (2020) What parents know matters: Parental knowledge at birth predicts caregiving behaviors at 9 months. *The Journal of Pediatrics*, 221, 72–80.
- Lugo-Gil, J., & Tamis-LeMonda, C. S. (2008). Family resources and parenting quality: Links to children's cognitive development across the first 3 years. *Child Development*, 79(4), 1065–1085. doi: 10.1111/j.1467-8624.2008.01176.x
- Luster, T., Bates, L., Fitzgerald, H., Vandenbelt, M., & Key, J. (2000). Factors related to successful outcomes among preschool children born to low-income, adolescent mothers. *Journal of Marriage and the Family*, 62(133–146), 133.
- Luster, T., & Vandenbelt, M. (1999). Caregiving by low-income adolescent mothers and the language abilities of their 30-month-old children. *Infant Mental Health Journal*, 20(2), 148–165.
- Magill-Evans, J., & Harrison, M. J. (1999). Parent-child interactions and development of toddlers born preterm. *Western Journal of Nursing Research*, 21(3), 292–307.
- Martoccio, T.L., Brophy-Herb, H.E., and Onaga, E.E. (2014) Road to readiness: Pathways from low- income children's early interactions to school readiness skills. *Infants & Young Children*, (27)3, 193–206.
- Maupin, A.N. & Fine, J.D. (2014) Differential effects of parenting in preterm and full-term children on developmental outcomes. *Early Human Development*, 90, 869–876.
- McKelvey, L. M., Bokony, P. A., Swindle, T. M., Connors-Burrow, N. A., Schiffman, R. F., & Fitzgerald, H. E. (2011). Father teaching interactions with toddlers at risk: Associations with later child academic outcomes.
- Mortensen, J. A., & Jeon, H. (2022). Profiles of mother-infant risk in a nationally representative sample. *Children and Youth Services Review*, 145, 106773–106773. https://doi.org/10.1016/j.childyouth.2022.106773
- Muir, N., & Bohr, Y. (2014). Contemporary practice of traditional aboriginal child reading: A review. *First Peoples Child & Family Review*, 9(1), 66–79.
- Nagayoshi, M., et al. (2017) Related visual impairment to mother–infant interaction and development in infants with bilateral retinoblastoma. *European Journal of Oncology Nursing*, 28, 28–34.
- Natrasony, C. & Teitelbaum, D. (2016) Watch Me Move: A program for parents of young children with gross-motor delays. *Physical & Occupational Therapy in Pediatrics*, 36(4), 388–400.
- Nina Banerjee, P., McFadden, K., Shannon, J. D., & Davidson, L. L. (2023). Preterm birth and other measures of infant biological vulnerability: Associations with maternal sensitivity and infant cognitive development. *Maternal and Child Health Journal*, 27. https://doi.org/10.1007/s10995-023-03590-y
- Osborne, J., Mattiske, J., Winter, A., & Sved Williams, A. (2023). Reflective functioning and mother–infant relationships among mothers with borderline personality disorder post-therapy. *Infant Mental Health Journal*. https://doi.org/10.1002/imhj.22071
- Oxford, M., & Spieker, S. (2006). Preschool language development among children of adolescent mothers. *Journal of Applied Developmental Psychology*, 27(2), 165–182.
- Page, M., Wilhelm, M. S., Gamble, W. C., & Card, N. A. (2010). A comparison of maternal sensitivity and verbal stimulation as unique predictors of infant social-emotional and cognitive development. *Infant Behavior and Development*, 33(1), 101–110.
- Park, S., & Bang, K. (2022). Effects of a hybrid online and offline program for facilitating father–infant interactions in South Korea: A quasi-experimental study. *Child Health Nursing Research*, 28(2), 132–141. https://doi.org/10.4094/chnr.2022.28.2.132
- Pickard, J.A., Townsend, M.L., Caputir, P., and Greyner, B.F.S. (2017) Top-down and bottom-up: The role of social information processing and mindfulness as predictors in maternal–infant interaction. *Infant Mental Health Journal*, (39)1, 44–54.
- Planalp, E.M., Van Hulle, C.A., & Hill Goldsmith, H. (2019) Parenting in context: Marital adjustment, parent affect, and child temperament in complex families. *Journal of Family Psychology*, 33(5), 532–541.
- Plotka, R. and Busch-Rossnagel, N.A. (2018) The role of length of maternity leave in supporting mother–child interactions and attachment security among American mothers and their infants. *International Journal of Child Care and Education Policy*, 12(2).
- Ransone, S.H., Graff, J.C., Bush, A.J., Oxford, M.L., and Wicks, M.N. (2018) Psychometric evaluation of the nursing child assessment teaching (NCAT) scale in a community-based sample. *Research in Nursing and Health*, 2018, 1–11.
- Rasmussen, H.F. Borelli, J.S., Decoste, C., and Suchman, N.E. (2016). A longitudinal examination of toddlers' behavioral cues as a function of substance-abusing mothers' disengagement. (2016). *Infant Mental Health Journal*, 37(2), 140–150.
- Rispoli, K. M., Koziol, N. A., McGahey, K. E., & Schreiber, J. B. (2019). Parenting, childcare, and children's pre-kindergarten skills: Exploring moderation by race and ethnicity. *Early Child Development and Care*, 189(6), 946–964. https://doi.org/10.1080/03004430.2017.1359580
- Rispoli, K. M., McGahey, K. E., Koziol, N. A., & Schreiber, J. B. (2013). The relation of parenting, child temperament, and attachment security in early childhood to social competence at school entry. *Journal of School Psychology*, 51(5), 643–658. https://doi.org/10.1016/j.jsp.2013.05.007
- Ronzio, C. R., Huntley, E., & Monaghan, M. (2013). Postpartum mothers' napping and improved cognitive growth fostering of infants: Results from a pilot study. *Behavioral Sleep Medicine*, 11(2), 120–132. https://doi.org/10.1080/15402002.2011.642487

- Rosales, M. R., Deng, W., Ryota Nishiyori, Vanderbilt, D. L., & Smith, B. A. (2022). Leg movement rate before and after a caregiver-provided intervention for infants at risk of developmental disability: A pilot study. *Physical & Occupational Therapy in Pediatrics*, 42(3), 259–274. <https://doi.org/10.1080/01942638.2021.1986615>
- Sadler, L. S., Swartz, M. K., & Ryan-Krause, P. (2007). Promising Outcomes in Teen Mothers Enrolled in a School-Based Parent Support Program and Child Care Center. *The Journal of School Health*, 77(3), 121–130.
- Sadler, L. S., Swartz, M. K., & Ryan-Krause, P. (2003). Supporting adolescent mothers and their children through a high school-based child care center and parent support program. *Journal of Pediatric Health Care*, 17(3), 109–117.
- Sawyer, A. C. P., Kaim, A., Le, H., McDonald, D., Mittinty, M., Lynch, J., & Sawyer, M. (2019). The effectiveness of an app-based nurse-moderated program for new mothers with depression and parenting problems (eMums Plus): Pragmatic randomized controlled trial. *Journal of Medical Internet Research*, 21(6), e13689. <https://doi.org/10.2196/13689>
- Sawyer, A. C. P., Kaim, A. L., Reece, C. E., McDonald, D., Le, H., Clark, J., Lynch, J. W., & Sawyer, M. G. (2019). Evaluating the effectiveness of an app-based nurse-moderated program for new mothers with depression and parenting problems (eMums Plus): Protocol for a pragmatic randomized controlled Trial. *JMIR Research Protocols*, 8(1), e11549. <https://doi.org/10.2196/11549>
- Singer, L., Fulter, S., Davillier, M., Koshy, D., Salvator, A., & Baley, J. (2003). Effects of infant risk status and maternal psychological distress on maternal-infant interactions during the first year of life. *Journal of Developmental & Behavioral Pediatrics*, 24(4), 233–241.
- Sininger, Y. S., Grimes, A., & Christensen, E. (2010). Auditory development in early amplified children: Factors influencing auditory-based communication outcomes in children with hearing loss. *Ear and Hearing*, 31(2), 166–185. <https://doi.org/10.1097/aud.0b013e3181c8e7b6>
- Spieker, S.J., Oxford, M.L., Fleming, C.B., and Lohr, M.J. (2018) Parnetal childhood adversity, depressive symptoms, and parenting quality: Effects on toddler self-regulation in Child Welfare Services involved families. *Infant Mental Health Journal*, 39(1), 5–16.
- Spieker, S.J., Oxford, M., Kelly, J., Fleming, C., & Nelson, E. (2012). Promoting First Relationships: Randomized Trial of a Relationship-based Intervention for Toddlers in Child Welfare. Family and Child Nursing. University of Washington. Seattle, WA.
- Suchman, N., DeCoste, C., Castiglioni, N., Legow, N., & Mayes, L. (2008). The Mothers and Toddlers Program: Preliminary findings from an attachment-based parenting intervention for substance-abusing mothers. *Psychoanalytic Psychology*, 25(3), 499–517.
- Suchman, N. E., DeCoste, C., Leigh, D., & Borelli, J. (2010). Reflective functioning in mothers with drug use disorders: Implications for dyadic interactions with infants and toddlers. *Attachment & Human Development*, 12(6), 567–585. doi: 10.1080/14616734.2010.501988
- Suchman, N. E., Decoste, C., McMahon, T. J., Rounsville, B., & Mayes, L. (2011). The mothers and toddlers program, an attachment-based parenting intervention for substance-using women: Results at 6-week follow-up in a randomized clinical pilot. *Infant Mental Health Journal*, 32(4), 427–449. <https://doi.org/10.1002/imhj.20303>
- Suchman, N. E., Decoste, C., Rosenberger, P., & McMahon, T. J. (2012). Attachment-based intervention for substance-using mothers: A preliminary test of the proposed mechanisms of change. *Infant Mental Health Journal*, 33(4), 360–371. <https://doi.org/10.1002/imhj.21311>
- Thomas, J., Letourneau, N., Bryce, C., Campbell, T., Giesbrecht, G., APRON Study Team (2017). Biological embedding of perinatal social relationships in infant stress reactivity. *Developmental Psychobiology*, 9999, 1–11.
- Till, C., Dudani, A., Córdoba, L., Camilo Cano, J., Green, R., Menezes-Filho, J. A., Schnaas, L., Smith, D. R., Lindh, C. H., & van Wendel de Joode, B. (2019). Caregiving and infants' neurodevelopment in rural Costa Rica: Results from the Infants' Environmental Health Study (ISA). *Neurotoxicology*, 74, 100–107. <https://doi.org/10.1016/j.neuro.2019.06.002>
- Treyvaud, K., Rogers, S., Matthews, J., & Allen, B. (2010). Maternal factors and experiences associated with observed parenting behavior in mothers attending a residential parenting program. *Infant Mental Health Journal*, 31(1), 58–70. doi: 10.1002/imhj.20242
- Tryphonopolous, P.D., Letourneau, N., DiTommaso, E. (2016). Caregiver-infant interaction quality: A review of observational assessment tools. *Comprehensive Child and Adolescent Nursing*, 39(2), 107–138.
- Wang, P., Morgan, G.A., Hwang, A., Chen, L., & Liao, H. (2014). Do maternal interactive behaviors correlate with developmental outcomes and mastery motivation in toddlers with and without motor delay? *Physical Therapy*, 94(12), 1744–1754.
- Wang, P., Chen, L., Liao, H., Tu, Y., Morgan, G.A. & Morgan, L.L. (2019) Is mastery motivation a mediator of relations between maternal teaching behavior and developmental abilities in children with global developmental delay? *Physical & Occupational Therapy in Pediatrics*, 39(3), 292–309.
- Washington, P.S., Reifsneider, E., Bishop, S.L., Ethington, M.D., & Ruffin, R. E. (2010) Changes in family variables among normal and overweight preschoolers. *Issues in Comprehensive Pediatric Nursing*, 33, 20–38.
- Williams Brown, C., Carmichael Olson, H., & Croninger, R. G. (2010). Maternal alcohol consumption during pregnancy and infant social, mental, and motor development. *Journal of Early Intervention*, 32(2), 110–126. <https://doi.org/10.1177/1053815110366654>
- Yago, S., et al. (2014). Differences and similarities between father-infant interaction and mother-infant interaction. *Journal of Medical Dental Sciences*, 61, 7–16.
- Zaslow, M., Bronte-Tinkew, J., Capps, R., Horowitz, A., Moore, K. A., & Weinstein, D. (2009). Food security during infancy: Implications for attachment and mental proficiency in toddlerhood. *Maternal & Child Health Journal*, 13(1), 66–80. doi: 10.1007/s10995-008-0329-1



Feeding Manual

Quick Reference Guide for Published Studies

FEEDING MANUAL—TABLE 1

Quick Reference Guide for Published Studies using NCAFS from 1998–2021

SPECIFIC POPULATIONS OF INTEREST	AUTHOR(S)	YEAR
First Peoples	Muir & Bohr	2014
African American	Minnes, Singer, Arendt & Satayathum Hodges, Wasser, Colgan & Bentley	2005 2016
Bangladeshi	Frith, Naved, Ekstrom, Rasmussen & Frongillo Frith, Naved, Persson, Rasmussen & Frongillo	2009 2012
Canadian	Bryanton, Gagnon, Hatem & Johnston	2009
Israeli	Shloim, Vereijken, Blundell & Hetherington	2018
Latina	Brandt, Andrews & Kvale	1998
Japanese	Cho, Hirose, Tomita, et al. Shinohara, Sugisawa, Tong, Tanaka, Watanabe, et al.	2013 2012
South American	Worobey, Islas Lopez & Hoffman	2009
SPECIFIC CHARACTERISTICS OF INTEREST	AUTHOR(S)	YEAR
Adolescent Mothers	Bohr & BinNoon Komoto, Hirose & Okamitsu	2014 2013
Attachment Security	Britton, Britton & Gronwaldt Pickard, Townsend, Caputi & Grenyer	2006 2017
Bottle Feeding	Ventura & Golen Ventura & Hernandez	2015 2019
Breastfeeding	Alex & MacLellan-Peters Bigelow, Power, Gillis, MacLellan-Peters, Alex & McDonald Brandt, Andrews & Kvale Britton, Britton & Gronwaldt Moore, Anderson, Bergman & Dowswell Ventura, Hupp & Lavond	2013 2014 1998 2006 2012 2021
Child Cognitive Outcomes	Collett, Leroux & Speltz	2010
Substance Exposure In Utero	Blackwell, Kirkhart, Schmitt & Kaiser Blackwell, Lockman & Kaiser Bowie Butz et al. Lewis & Weiss Maguire, Taylor, Armstrong, Shaffer-Hudkins, DeBate, Germain & Brooks Minnes, Singer, Arendt & Satayathum	1998 1999 2004 2002 2003 2016 2005
Diabetes (Type 1)	Sullivan-Bolyai et al.	2002
Gastroesophageal Reflux	Neu et al. Jameson, Fehringer & Neu	2014 2018
Infant Iron Deficiency Anemia (IDA)	Arimony-Sivan, Kaplan-Estrin, Jocboson & Lozoff	2010
Low Birth Weight (LBW)	Singer et al. Weiss & Seed Weiss, Wilson & Morrison	2003 2002 2004
Maternal Feeding Behavior	Singer et al.	2003
Maternal Obesity	Arianas, Rankin, Norr & White-Traut	2017

FEEDING MANUAL—TABLE 1

Quick Reference Guide for Published Studies using NCAFS from 1998–2021

SPECIFIC CHARACTERISTICS OF INTEREST	AUTHOR(S)	YEAR
Obesity/Weight Gain Issues	DiSantis, Hodges, Johnson & Fisher Hurley, Cross & Hughes Singleterry & Horodynski Thompson Ventura & Pollack Golena Worobey, Islas Lopez & Hoffman	2011 2011 2012 2010 2015 2009
Orofacial Clefts	Collett, LeRoux & Speltz Collett & Speltz Endriga, Speltz, Maris & Jones	2010 2007 1998
Postpartum Parenting Behavior	Britton, Gronwaldt & Britton	2001
Prenatal Food Supplementation	Frith, Naved, Persson, Rasmussen & Frongillo	2012
Preterm Infants	Badr, Bookheimer, Purdy & Deeb Badr, Garg & Kamath Davis, Edwards & Mohay White-Traut et al.	2009 2006 2003 2013
Preterm With Brain Injury	Badr, Bookheimer, Purdy & Deeb	2009
PROGRAM EVALUATION	AUTHOR(S)	YEAR
Healthy Babies America	Horodynski, Olson, Baker, Brophy-Herb, Auld, Van Egeren, Lindau & Singleterry	2011
Healthy Families America	Daro & Harding	1999
Healthy Feeding Intervention	Horodynski et al.	2011
Parenting Support	Cho et al. White-Traut, Norr & Rankin	2013 2013
Perinatal Mental Health	Alhusen, Hayat & Borg	2021
Physical Therapy NICU	Byrne & Campbell	2013
Reproductive Technology	Morsan & Tallandini Tallandini, Morsan & Macagno	2012 2011
Responsive Feeding/Obesity	Hurley, Cross, Hughes	2011
Skin-To-Skin Contact	Alex & MacLellan-Peters Bigelow, Power, Gillis, MacLellan-Peters, Alex & McDonald Moore, Anderson, Bergman & Dowswell	2013 2014 2012
Soothing Techniques	Elliott, Reilly, Drummond & Letourneau	2002
ASSESSMENT REVIEWS	AUTHOR(S)	YEAR
Adolescent Mothers	Riesch, Anderson, Pridham, Lutz & Becker	2010
Assessment Studies	Pridham, Lutz, Anderson, Riesch & Becker	2010
At-Risk Dyads	Anderson, Riesch, Pridham, Lutz & Becker	2010
Nutrition/Health, Early Childhood Development	Frongillo, Tafail, Hamadani, Warren & Mehrin	2014
Maternal Infant Interaction	Horowitz, Logsdon & Anderson	2005
Reliability With Other Measures	Bohr, Putnick, Lee & Bornstein	2018

References

- Alhusen, J. L., Hayat, M. J., & Borg, L. (2021). A pilot study of a group-based perinatal depression intervention on reducing depressive symptoms and improving maternal-fetal attachment and maternal sensitivity. *Archives of Women's Mental Health*, 24(1). <https://doi.org/10.1007/s00737-020-01032-0>
- Anderson, L. S., Riesch, S. K., Pridham, K. A., Lutz, K. F., & Becker, P. T. (2010). Furthering the Understanding of Parent-Child Relationships: A Nursing Scholarship Review Series. Part 4: Parent-Child Relationships at Risk. *Journal for Specialists in Pediatric Nursing*, 15(2), 111–134.
- Arianas, E. A., Rankin, K. M., Norr, K. F., & White-Traut, R. C. (2017). Maternal weight status and responsiveness to preterm infant behavioral cues during feeding. *BMC Pregnancy and Childbirth*, 17(1). <https://doi.org/10.1186/s12884-017-1298-4>
- Armony-Sivan, R., Kaplan-Estrin, M., Jacobson, S. W., & Lozoff, B. (2010). Iron-deficiency anemia (IDA) in infancy and mother-infant interaction during feeding. *Journal of Developmental and Behavioral Pediatrics: JDBP*, 31(4), 326.
- Badr, L. K., Bookheimer, S., Purdy, I., & Deeb, M. (2009). Predictors of neurodevelopmental outcome for preterm infants with brain injury: MRI, medical and environmental factors. *Early Human Development*, 85(5), 279–284.
- Badr, L. K., Garg, M., & Kamath, M. (2006). Intervention for infants with brain injury: Results of a randomized controlled study. *Infant Behavior & Development*, 29(1), 80-90.
- Beel-Bates, C., Stephenson 3rd, P., Nochera, C. L., & French, R. J. (2012). Caregiver-Resident Interaction with Barnard's Feeding Scale. *Research in Gerontological Nursing*, 1.
- Bigelow, A. E., Power, M., Gillis, D. E., MacLellan-Peters, J., Alex, M., & McDonald, C. (2014). Breastfeeding, skin-to-skin contact, and mother-infant interactions over infants' first three months. *Infant Mental Health Journal*, 35(1), 51–62. <https://doi.org/10.1002/imhj.21424>
- Blackwell, P., Lockman, J., & Kaiser, M. (1999). Mother-infant interaction in drug-affected dyads over the first 9 months of life. *Applied Developmental Science*, 3(3), 168–177.
- Blackwell, P., Kirkhart, K., Schmitt, D., & Kaiser, M. (1998). Cocaine/polydrug affected dyads: Implications for infant cognitive development and mother-infant interaction during the first six postnatal months. *Journal of Applied Developmental Psychology*, 19(2), 235–248.
- Bohr, Y., Putnick, D. L., Lee, Y., & Bornstein, M. H. (2018). Evaluating caregiver sensitivity to infants: Measures matter. *Infancy*, 23(5), 730–747. <https://doi.org/10.1111/infa.12248>
- Bohr, Y., & BinNoon, N. (2014). Enhancing sensitivity in adolescent mothers: Does a standardised, popular parenting intervention work with teens? *Child Care in Practice*, 20(3), 286–300. <https://doi.org/10.1080/13575279.2014.905454>
- Brandt, K. A., Andrews, C. M., & Kvale, J. (1998). Mother-infant interaction and breastfeeding outcome 6 weeks after birth. *Journal of Obstetric, Gynecologic, & Neonatal Nursing*, 27(2), 169–174.
- Britton, J. R., Britton, H. L., & Gronwaldt, V. (2006). Breastfeeding, sensitivity, and attachment. *Pediatrics*, 118(5), e1436–e1443. <https://doi.org/10.1542/peds.2005-2916>
- Bryanton, J., Gagnon, A. J., Hatem, M., & Johnston, C. (2009). Does perception of the childbirth experience predict women's early parenting behaviors? *Research in Nursing & Health*, 32(2), 191–203.
- Byrne, E., & Campbell, S. K. (2013). Physical therapy observation and assessment in the neonatal intensive care unit. *Physical & Occupational Therapy in Pediatrics*, 33(1), 39–74.
- Cho, Y., Hirose, T., Tomita, N., Shirakawa, S., Murase, K., Komoto, K., Nagayoshi, M., Okamitsu, M., & Omori, T. (2013). Infant mental health intervention for preterm infants in Japan: Promotions of maternal mental health, mother-infant interactions, and social support by providing continuous home visits until the corrected infant age of 12 months. *Infant Mental Health Journal*, 34(1), 47–59. <https://doi.org/10.1002/imhj.21352>
- Collett, B.R., S. M. (2007). A developmental approach to mental health for children and adolescents with orofacial clefts. *Orthodontics and Craniofacial Research*, 10(3), 138–148.
- Davis, L., Edwards, H., & Mohay, H. (2003). Mother-infant interaction in premature infants at three months after nursery discharge. *International Journal of Nursing Practice*, 9(6), 374–381.
- DiSantis, K., Hodges, E., Johnson, S., & Fisher, J. (2011). The role of responsive feeding in overweight during infancy and toddlerhood: A systematic review. *International Journal of Obesity*, 35(4), 480–492.
- Elliott, M. Ruth and Demianczuk, Nestor and Robertson, Charlene M.T., Infants at Psychosocial Risk and their Caregivers: Selection for Early Intervention - Results of the Pilot Study (August 27, 2014). Available at SSRN: <http://dx.doi.org/10.2139/ssrn.2488161>.
- Fowles, E. R., & Horowitz, J. A. (2006). Clinical assessment of mothering during infancy. *Journal of Obstetric, Gynecologic, & Neonatal Nursing*, 35(5), 662–670.
- Frith, A. L., Naved, R. T., Persson, L. A., Rasmussen, K. M., & Frongillo, E. A. (2012). Early participation in a prenatal food supplementation program ameliorates the negative association of food insecurity with quality of maternal-infant interaction. *The Journal of Nutrition*, 142(6), 1095–1101. <https://doi.org/10.3945/jn.111.155358>
- Frongillo, E. A., Tofail, F., Hamadani, J. D., Warren, A. M., & Mehrin, S. F. (2014). Measures and indicators for assessing impact of interventions integrating nutrition, health, and early childhood development. *Annals of New York Academy of Sciences*, 1308, 68–88.
- Golen, R. & Ventura, A.K. (2015). Mindless feeding: Is maternal distraction during bottle-feeding associated with overfeeding? *Appetite*, 91, 385–392.
- Hambrick, E., Brawner, T.W., Perry, B.D., Brandt, K., Hofmeister, C. & Collins, J. O. (2019) Beyond the ACE score: Examining relationships between timing of developmental adversity, relational health and developmental outcomes in children. *Archives of Psychiatric Nursing*, 33, 238–247.
- Hodges, E. A., Wasser, H. M., Colgan, B. K., & Bentley, M. E. (2016). Development of feeding cues during infancy and toddlerhood. *The American Journal of Maternal/Child Nursing*, 41(4), 244–251. <https://doi.org/10.1097/nmc.0000000000000251>

- Horodynski, M. A., Olson, B., Baker, S., Brophy-Herb, H., Auld, G., Van Egeren, L., Lindau, J., & Singleterry, L. (2011). Healthy babies through infant-centered feeding protocol: an intervention targeting early childhood obesity in vulnerable populations. *BMC Public Health*, 11(1). <https://doi.org/10.1186/1471-2458-11-868>
- Horowitz, J. A., Logsdon, M. C., & Anderson, J. K. (2005). Measurement of maternal-infant interaction. *Journal of the American Psychiatric Nurses Association*, 11(3), 164–172.
- Hurley, K. M., Cross, M. B., & Hughes, S. O. (2011). A systematic review of responsive feeding and child obesity in high-income countries. *The Journal of Nutrition*, 141(3), 495–501.
- Jameson, M., Fehringer, K., & Neu, M. (2018). Comparison of two tools to assess dyad feeding interaction in infants with gastroesophageal reflux disease. *Journal for Specialists in Pediatric Nursing*, 23(1), e12203. <https://doi.org/10.1111/jspn.12203>
- Lewis, K. D., & Weiss, S. J. (2003). Psychometric testing of an infant risk assessment for prenatal drug exposure. *Journal of Pediatric Nursing*, 18(6), 371–378.
- Maguire, D. J., Taylor, S., Armstrong, K., Shaffer-Hudkins, E., DeBate, R., Germain, A. M., & Brooks, S. S. (2016). Characteristics of maternal–infant interaction during treatment for opioid withdrawal. *Neonatal Network*, 35(5), 297–304. <https://doi.org/10.1891/0730-0832.35.5.297>
- Mentro, A. M., Steward, D. K., & Garvin, B. J. (2002). Infant feeding responsiveness: A conceptual analysis. *Journal of Advanced Nursing*, 37(2), 208–216.
- Minnes, S., Singer, L. T., Arendt, R., & Satayathum, S. (2005). Effects of Prenatal Cocaine/Polydrug Use on Maternal-Infant Feeding Interactions During the First Year of Life. *Journal of Developmental and Behavioral Pediatrics*, 26(3), 194–200.
- Muir, N.M. and Bohr, Y. (2014) Contemporary Practice Of Traditional Aboriginal Child Rearing: A Review. *The First Peoples Child & Family Review*, 9(1).
- Nagayoshi, M., Hirose, T., Toju, K., Suzuki, S., Okamitsu, M., Teramoto, T., Omori, T., Kawamura, A., and Takeo, N. (2017) Related visual impairment to mother-infant interaction and development in infants with bilateral retinoblastoma. *European Journal of Oncology Nursing*, 28, 28–34.
- Neu, M., Pan, Z.P., Haight, A., Fehringer, K., & Maluf, K. (2017) Hormonal and neuromuscular responses to breastfeeding: A pilot study. *Biological Research for Nursing*. <https://doi.org/10.1177/1099800417697380>
- Neu, M., Schmiege, S. J., Pan, Z., Fehringer, K., Workman, R., Marcheggianni-Howard, C., & Furuta, G. T. (2014). Interactions During Feeding with Mothers and Their Infants with Symptoms of Gastroesophageal Reflux. *The Journal of Alternative and Complementary Medicine*.
- Parker, M.G., Rybin, D.V., Heeren, T.C., Thoyre, S.M., & Corwin, M.J. (2016) Postdischarge feeding interaction and neurodevelopmental outcome at 1-year corrected gestational age. *The Journal of Pediatrics*, 174, 104–110.
- Pickard, J. A., Townsend, M., Caputi, P., & Grenyer, B. F. S. (2017). Observing the influence of mindfulness and attachment styles through mother and infant interaction: A longitudinal study. *Infant Mental Health Journal*, 38(3), 343–350. <https://doi.org/10.1002/imhj.21645>
- Pridham, K. A., Lutz, K. F., Anderson, L. S., Riesch, S. K., & Becker, P. T. (2010). Furthering the understanding of parent–child relationships: A nursing scholarship review series. Part 3: Interaction and the parent–child relationship—Assessment and intervention studies. *Journal for Specialists in Pediatric Nursing*, 15(1), 33–61.
- Sacco, L. M., Bentley, M. E., Carby-Shields, K., Borja, J. B., & Goldman, B. D. (2007). Assessment of infant feeding styles among low-income African-American mothers: Comparing reported and observed behaviors. *Appetite*, 49(1), 131–140.
- Shinohara, R., Sugisawa, Y., Tong, L., Tanaka, E., Watanabe, T., Onda, Y., Kawashima, Y., Hirano, M., Tomisaki, E., Mochizuki, Y., Morita, K., Amarsanaa, G.-Y., Yato, Y., Yamakawa, N., & Anme, T. (2012). Influence of maternal praise on developmental trajectories of early childhood social competence. *Creative Education*, 03(04), 533–539. <https://doi.org/10.4236/ce.2012.34081>
- Shloim, N., Shafiq, I., Blundell-Birtill, P., & Hetherington, M. M. (2018). Infant hunger and satiety cues during the first two years of life: Developmental changes of within meal signalling. *Appetite*, 128, 303–310. <https://doi.org/10.1016/j.appet.2018.05.144>
- Shloim, N., Vereijken, C. M. J. L., Blundell, P., & Hetherington, M. M. (2017). Looking for cues – infant communication of hunger and satiation during milk feeding. *Appetite*, 108, 74–82. <https://doi.org/10.1016/j.appet.2016.09.020>
- Singer, L., Fulton, S., Davillier, M., Koshy, D., Salvator, A., & Baley, J. (2003). Effects of Infant Risk Status and Maternal Psychological Distress on Maternal-Infant Interactions During the First Year of Life. *Journal of Developmental & Behavioral Pediatrics*, 24(4), 233–241.
- Sullivan-Bolyai, S., Deatrick, J., Gruppuso, P., Tamborlane, W., & Grey, M. (2002). Mothers' experiences raising young children with type 1 diabetes. *Journal for Specialists in Pediatric Nursing*, 7(3), 93–103.
- Tallandini, M. A., Morsan, V., & Macagno, F. (2011). Preterm birth and Assisted Reproductive Technology/ART: Maternal emotional wellbeing and quality of mother–newborn interaction during the first three months of life. *Early Human Development*(0). doi: 10.1016/j.earlhumdev.2011.10.003
- Ventura, A., Hupp, M., & Lavond, J. (2021). Mother–infant interactions and infant intake during breastfeeding versus bottle-feeding expressed breast milk. *Maternal & Child Nutrition*, 17(4). <https://doi.org/10.1111/mcn.13185>
- Ventura, A. K., & Hernandez, A. (2019). Effects of opaque, weighted bottles on maternal sensitivity and infant intake. *Maternal & Child Nutrition*, 15(2), e12737. <https://doi.org/10.1111/mcn.12737>
- Ventura, A. K., & Pollack Golen, R. (2015). A pilot study comparing opaque, weighted bottles with conventional, clear bottles for infant feeding. *Appetite*, 85, 178–184. <https://doi.org/10.1016/j.appet.2014.11.028>
- Weiss, S. J., Wilson, P., & Morrison, D. (2004). Maternal tactile stimulation and the neurodevelopment of low birth weight infants. *Infancy*, 5(1), 85–107.
- Weiss, S. J., & Seed, M. S. J. (2002). Precursors of mental health problems for low birth weight children: The salience of family environment during the first year of life. *Child Psychiatry and Human Development*, 33(1), 3–27.
- Worobey, J., Islas Lopez, M., & Hoffman, D. J. (2009). Maternal behavior and infant weight gain in the first year. *Journal of Nutrition Education and Behavior*, 41(3), 169–175.