



Ages & Stages Questionnaires®: Social-Emotional (ASQ®:SE): A Parent-Completed, Child-Monitoring System for Social-Emotional Behaviors

Articles endorsing Ages & Stages Questionnaires®: Social-Emotional as an accurate, cost-effective, and parent-friendly instrument for screening and monitoring of social-emotional competence in young children:

- Abessa, T., Bruckers, L., Kolsteren, & Granitzer, M. (2017). Developmental performance of hospitalized severely acutely malnourished under six children in low-income setting. *BMC Pediatrics*, 17:197. DOI 10.1186/s12887-017-0950-5
- Barton, E., Harris, B., & Leech, N. (2016). Autism identification policies and practices in early childhood: A preliminary investigation from one state. *Infants & Young Children*, 29 (4), 267-289.
- Feeney-Kettler, K., Kratochwill, T., Kaiser, A., Hemmeter, M., & Kettler, R. (2015). Screening young children's risk for mental health problems: A review of four measures. *Assessment for Effective Intervention*, 35(4), 218-230.
- James Bell Associates. (2009). Early Head Start/Child Welfare Services Initiative. Final synthesis report, volume II. Compendium of grantee-specific findings. Office on Child Abuse and Neglect Children's Bureau: Washington, D.C.
- Landa, R., (2005). Assessment of social communication skills in preschoolers. *Mental Retardation and Developmental Disabilities Research Reviews*, 11: 247-252.
- Marks, K., & LaRosa, A. (2012). Understanding developmental-behavioral screening measures. *Pediatrics in Review*, 33(10), 448-458.
- McCrae, J. & Brown, S. (2017). Systematic review of social-emotional screening instruments for young children in child welfare. *Research on Social Work Practice*, 1-22.
- Pontoppidan, M., Niss, N., Pejtersen, J., Julian, M., & Vaever, M. (2017). Parent report measures of infant and toddler social-emotional development: a systematic review. *Family Practice*, 1-11. Doi:10.1093/fampra/cmz003.
- Russell, D., & Gleason, M. (2020). Starting early: promoting emotional and behavioral well-being in infant and toddler well-child care. *Pediatric Annals*, 478, 2018, Special Issue Article.
- U.S. Department of Health and Human Services (March, 2014). *Birth to 5: Watch Me Thrive! A Compendium of Screening Measures for Young Children*.



Vacca, J. J. (2005). Review of the Ages and Stages Questionnaires: Social-Emotional. In B.S. Plake & J.C. Impara (Eds.), *The sixteenth mental measurements yearbook*. Lincoln, NE: Buros Institute of Mental Measurements.

Research studies on use of ASQ:SE:

Allen, S., Berry, A., Brewster, J., Chalasani, R., Mack, P. (2010). Enhancing developmentally oriented primary care: An Illinois initiative to increase developmental screening in medical homes. *Pediatrics*, (126), Supplement 3, S160-S164.

Anis, L., et al. (2020). Effects of attachment and child health parent training on parent-child interaction quality and child development. *Canadian Journal of Nursing Research*.
<https://doi.org/10.1177/0844562119899004>

Anuniação, L., Chen, C., Pereira, D., & Landiera-Fernandez, J. (2020). Factor structure of a social-emotional screening instrument for preschool children. <https://doi.org/10.1590/1413-82712019240304>

Anuniação, L., Squires, J., & Landeira, J., & Singh, A. (2022). Exploratory analysis of the internal structure of a test through multi-methods exploratory approach: ASQ:SE. *Journal of Neurosciences in Rural Practice*. Doi.org/1055/s-0041-1741503

Anunciacao, L., Squires, J., Clifford, J., & Landeira-Fernandez, J. (2019). Confirmatory analysis and normative tables for the Brazilian Ages and Stages Questionnaires: Social-Emotional. *Child Care Health Development*. DOI: 10.1111/cch.12649.

Anunciacao, L., Squires, J., & Landiera-Fernandez, J. (2018). A Longitudinal study of child development in children enrolled in Brazilian public daycare centers. *Global Journal of Educational Studies*, 4, (1), 31-42.

Anunciacao, L., Chen, C., Squires, J., & Landiera-Fernandez, J. (2018). Screening for social and emotional delays in young children who live in poverty: A Brazilian example. *Journal of Childhood & Developmental Disorders*, 4, 2:5. 10.4172/2472-1786.100055.

Arumugam, C., Said, M., & Farid, N. (2022). Screen time influence on early childhood development. *Health Problems of Civilization*, 16(3). 190-198.

Ashish, K., & Chen, C., Yang, Y., & Zhou, H. (2020). Social-emotional challenges and development of children left behind by migrant mothers. *Journal of Global Health*, Vol. 10 No. 1 • 010806.

Baggett, K., Warlen, L., Hamilton, J. Roberts, J., & Staker, M. (2007). Screening infant mental health indicators: An early head start initiative. *Infants & Young Children*, 20(4), 300–310.

- Baptista, J., Silva, J., Marques, S., Martins, C., & Soares, I. (2018). Early maltreatment and current quality of relational care predict socioemotional problems among institutionalized infants and toddlers. *Infant Mental Health Journal*. <https://doi.org/10.1002/imhj.21741>
- Baumgartner, et al. (2021). Effect of a lay counselor-delivered integrated maternal mental health and early childhood development group-based intervention in No Ghana: cluster-randomized controlled trial. *Global Mental Health*, 8, e 18, 1-11.
- Beeber, L. S., Holditch-Davis, D., Perreira, K., Schwartz, T., Lewis, V., Blanchard, H., Canuso, R., & Goldman, B. (2010). Short-term, in-home intervention reduces depressive symptoms in Early Head Start Latina mothers of infants and toddlers. *Research in Nursing and Health*, 33(1), 60–76.
- Bernal, R., Attanasio, O., et al. (2019). Effects of transition from home-based childcare to childcare centers....in Columbia. *Early Childhood Research Quarterly*, 47, 418-431.
- Bian, X., Xie, H., Squires, J. & Chen, C. (2017). Adapting a parent-completed socioemotional questionnaire in China: The Ages & Stages Questionnaires: Social-Emotional. *Infant Mental Health Journal*. 1-7. DOI: 10.1002/imhj21626.
- Bleker, L., Milgrom, J., Gemmill, A., Roseboom, T., & Rooij, S. (2019). A 7-year follow-up of antenatal depression treatment with cognitive behavioral therapy: A case report of maternal and child outcomes. *SAGE Open Medical Case Reports*. 10.1177/2050313X19841463.
- Bricker, D., Shoen Davis, M., & Squires, J. (2004). Mental health screening in young children. *Infants & Young Children*, 17(2), 129–144.
- Briggs, R., Stettler, E., Silver, E., Schrag, M., Chinitz, S., & Racine, A. (2012). Social-emotional screening for infants and toddlers in primary care. *Pediatrics*, 129/2/e377.
- Brown, M., Copeland, K., Sucharew, H., & Kahn, R. (2012). Social-emotional problems in preschool-aged children: Opportunities for prevention and early intervention. *Archives of Pediatric and Adolescent Medicine*, online August 27, 2012, www.archpediatrics.com.
- Cakmak, M., Gollu, G., Ates, U., Ergun, E., et al. (2021). Hypospadias and use of Ages and Stages Questionnaires to evaluation neurodevelopmental status of boys with hypospadias. *European Journal of Pediatric Surgery*, 10.1055/s-0041-1723993
- Chen, C., Chen, C-I., Xie, H., & Squires, J. (2018). Using differential item functioning to examine the gender difference in social-emotional competence of infants and young children. *Bulletin in Early Intervention: I(1)* (2018:06), 1-22.
- Chen, C.Y., Chen, C.I., Squires, J., Bian, X., Heo, K., Filgueiras, A., et al. (2017). Adapting a developmental screening measure: Exploring the effects of language and culture on a



- parent-completed social-emotional screening test. *Infants and Young Children*, 30(2), 111–123.
- Chen, C., Filgueiras, A., Squires, J., Landeira-Fernandez, J. (2016). Examining the factor structure of an early childhood social emotional screening assessment. *Journal of Special Education and Rehabilitation*, 17, 3-4. 89–104.
- Chen, C, Squires, J., Chen, C-I. Wu, R., & Xie, H. The adaptation and psychometric examination of a social-emotional developmental screening tool in Taiwan. *Early Education and Development*, <https://doi.org/10.1080/10409289.2019.1611126>
- Chen, C., Squires, J., Heo, K., Bian, X., Chen, C-I., Filgueiras, A., Xie, H., Murphy, K, Dolata, J., & Landiera-Fernandez, J. (2015). Cross cultural gender differences in social-emotional competence of young children: Comparisons with Brazil, China, South Korea, and the United States. *Mental Health in Family Medicine*, 11, 59–68.
- Chen, C.Y., Xie, H., Filgueiras, A. et al. (2017). Examining the psychometric properties of the Brazilian Ages & Stages Questionnaires-Social-Emotional: Use in public child daycare centers in Brazil. *Journal of Child and Family Studies*, 26(9), 2412–2425.
- Coelho, A., Gonzalez, L, & Gibb, R., (2020). Building executive function in pre-school children through play: a curriculum. *International Journal of Play*, <https://doi.org/10.1080/21594937.2020.1720127>
- Costa, B., White, P., et al. (2022). Parent-reported socioemotional and cognitive development of children with a cleft lip and/or palate at 18 months: Findings from a UK birth cohort. *Child Care Health Development*, 47:31-39.
- Eurenius, E., Sundberg, L., Vaezghasemi, M., Silfverdal, S., et al., (2018). Social-emotional problems among three-year-olds differ based on child’s gender and custody arrangement. *Acta Paediatrica*. DOI.10.1111/apa.14668.
- Fourdain, Sl., Caron-Desrochers, L., et al. (2020). Impacts of an interdisciplinary developmental follow-up program on Neurodevelopment in congenital heart disease: CINC Study. *Frontiers in Pediatrics*, 8, 539451.
- Gilkerson, L. & Kopel, C. (2005). Relationship-based systems change: Illinois model for promoting social-emotional development in Part C early intervention. *Infants & Young Children*, 18(4), 349–365.
- Gordo, L., Martinez-Pampliega, A., Elejalde, L., & Luyten, P. (2020). Do parental reflective functioning and parental competence affect the social emotional adjustment of children? *Journal of Child and Family Studies*. <https://doi.org/10.1007/s10826-020-01840-z>
- Haskett, M., Montgomery Armstrong, J., & Tisdale, J. (2016). Developmental Status and Social–



- Emotional Functioning of Young Children Experiencing Homelessness. *Early Childhood Education Journal*, 196(43). Retrieved from <http://link.springer.com/article/10.1007/s10643-015-0691-8>.
- Heo, K., & Squires, J. (2012). Adaptation of a parent-completed social emotional screening instrument for young children: *Ages and Stages Questionnaires-Social Emotional*. *Early Human Development*, 88(3), 151–158.
- Hillen, T., Gafson, L., Drage, L., & Conlan, L. (2012). Assessing the prevalence of mental health disorders and mental health needs among preschool children in care in England. *Infant Mental Health Journal*, DOI: 10.1002/imhj.21327.
- Holt, C., et al. (2021). Improving the mother-infant relationship following postnatal depression: a randomized controlled trial of a brief intervention (HUGS). *Archives of Women's Mental Health*, 24:910-923.
- Hur, E., Buettner, C., & Jeon, L. (2015). Parental depressive symptoms and children's school-readiness: The indirect effect of household chaos. *Journal of Child and Family Studies*, DOI 10.007/s10826-015-0147-1.
- Jee, S., Conn, M., Szilagyi, P., Blumkin, A., Baldwin, C., & Szilagyi, M. (2010). Identification of social-emotional problems among young children in foster care. *Journal of Child Psychology and Psychiatry*, 51(12), 1351–1358.
- Jeon, L., Buettner, C., & Hur, E. (2014). Family and neighborhood disadvantage, home environment, and children's school readiness. *Journal of Family Psychology* (28)5, 718-727.
- Junge, C., Garthus-Niegel, S., Slinning, K., Polte, C., Simonsen, T. & Eberhard-Gran, M. Impact of perinatal depression on children's social-emotional development: A longitudinal study, *Maternal Child Health Journal*, 21:607-615.
- Kamara, D., Walton, K., & Witwer, A.N. (2020). Socioemotional and autism spectrum disorder screening for toddlers in early intervention: Agreement among measures. *Journal of Early Intervention*, 42(4), 359–380. <https://doi.org/10.1177/1053815119880607>
- Kharbanda, E., Vazquez-Benitez, G., Kunin-Baston, et al. (2020). Birth and early developmental screening outcomes associated with cannabis exposure during pregnancy. *Journal of Perinatology*. <https://doi.org/10.1038/s41372-019-0576-6>.
- Krijnen, L., et al. (2021). Assessing social-emotional development in infants and toddlers using parent reports: Comparing the ASQ-SE-NL to the Social-Emotional Scale of the Bayley III, NL. *Early Human Development*, 161:105439

- Krijnen, Verhoeven, & van Baar (2021). Is maternal negative affectivity related to psychosocial behavior of preterms and term-born toddlers through mother-child interaction? *Frontiers in Psychology*, 10.3389/fpsyg.2022.97514
- Kucuker, S., Kupci, E., & Uslu, R. (2011). Evaluation of the Turkish version of the Ages and Stages Questionnaires: Social-Emotional in identifying children with social-emotional problems. *Infants & Young Children*, 24(2), 207–220.
- Kvestad, I., et al. (2021). Maternal cod intake during pregnancy and infant development in the first year of life: Secondary Analyses from RTC. *Journal of Nutrition*, 151(7):1879-1885. doi: 10.1093/jn/nxab083. PMID: 33847344.
- Laguardia, G., et al. (2021). O father where art thou? Early maternal employment and child development. *Instituto de Economia*, DT.05/21.
- Leon, MJ., & Olhaberry, M. (2020). Triadic interactions, parental reflective functioning, and social-emotional difficulties. *Infant Mental Health Journal*. DOI: 10.1002/imhj.21844.
- Lester, P., Aralis, H., Sinclair, M., Kiff, C., Lee, K., Mustillo, S., Wadsworth S., (2016) The Impact of Deployment on Parental, Family and Child Adjustment in Military Families. *Child Psychiatry Human Development* DOI 10.1007/s10578-016-0624-9
- Li, Y., Li, S., Tang, L., et al. (2022). The effect of ECD program on the caregiver's parenting knowledge, attitudes, and practices: based on a cluster-randomized controlled trial in economically vulnerable areas of China. *BMC Public Health* 22, 1958. <https://doi.org/10.1186/s12889-022-14268-5>
- Lyman, D.R., Njoroge, W., Willis, D. (2007). Early childhood psychosocial screening in culturally diverse populations: Survey of clinical experience with Ages and Stages Questionnaires, Social-Emotional. *Zero To Three*, 27(5) 46–54.
- Maseklo, J., Hagaman, A., Bates, L., Bhalotra, S., et al. (2019). Father involvement in the first year of life: Associations with maternal mental health and child development outcomes in rural Pakistan. *Social Science & Medicine*, 237.
- McDaniel, S., Albritton, K., & Stuckey, A. (2021). Examining the preliminary effects of a summer social emotional learning program for young children. *Journal of Emotional and Behavioral Disorders*. (2):125-132. doi:10.1177/1063426620912395.
- McKnight, S. (2014). Implementing the Ages and Stages questionnaire in health visiting practice. Ten Alps Publishing, 87.11. 28.
- Muller, D., Teismann, T., Hirschfeld, G., Zmyj, N. et al., (2018). The course of maternal repetitive negative thinking on mother-infant interactions: Is there a link? *Development and Psychopathology*, 1-11. doi:10.1017/S0954579418000883.



- Nelson, B., Chung P., Forness, S., Pillado, O., et al. (2013). Developmental and health services in Head Start preschools
- Nguyen, D., Ee, J., Berry-Caban, C., Hoedebecke, K., (2014). The effects of military deployment on early child development. *Army Medical Department Journal*, October-December, 81-86.
- Pethe, K., Maldonado-Soto, A.R., Saxena, J., Blanck, E.J., Lingras, K.A., & Aratani, Y. (2020). The relationship between linkages to behavioral health services in pediatric primary care and reductions in non-urgent emergency department visits among vulnerable children. *J Behav Health Serv Res.* ;47(3):377-387. doi: 10.1007/s11414-019-09683-3. PMID: 31875281.
- Pontoppidan, M., Klest, S., Sandoy, T. (2016). The Incredible Years Parents and Babies Program: A pilot randomized controlled trial. *PLoS ONE* 11(12).
- Pontoppidan, M., Niss, N., Pejtersen, J., Julian, M., & Vaeuver, M. (2017). Parent report measures of infant and toddler social-emotional development: a systematic review. *Family Practice*, 1-11
- Pontoppidan, M., Thorsager, M., & Steenhoff, T. (2022). Parent-child relationship outcomes of the Incredible Years parents and babies program: Pilot randomized. *Scandinavian Journal of Child and Adolescent Psychiatry and Psychology*. 10:40-52. <https://doi.org/10.2478/sjcapp-2022-0004>
- Pontoppidan, M., Sandoy, T., Klest, S. (2020). One-year follow-up of the Incredible Years Parents and Babies Program: A pilot randomized controlled trial. *Scandinavian Journal of Child and Adolescent Psychiatry and Psychology*. 8:123-134. <https://doi.org/10.21307/sjcapp-2020-012>
- Qiao, S., et al. (2021). Role of art programs in young children’s social- emotional learning. *Thinking Skills and Creativity*, 41(100858).
- Raouna, A., Macbeth, A., et al. (2021). Promoting sensitive parenting in ‘at-risk’ mothers and fathers: A UK outcome study of Mellow Babies, a group-based early intervention program for parents and their babies. *PLoS ONE*, 16(2):e0245226.
- Rosander, M., Berlin, A., et al. (2020). Maternal depression symptoms during the first 21 months after giving birth. *Scandinavian Journal of Public Health*, 1-10.
- Salisbury, M.R., Roos, L.E., Horn, S.R., et al. (2022). The effectiveness of KEEP for families of children with developmental delays: Integrating FIND video coaching into parent management training—Oregon Model: a Randomized Trial. *Prev Sci* <https://doi-org.libproxy.uoregon.edu/10.1007/s11121-022-01344-w>
- Salomonsson, B., Kornaros, K., Sandell, R., Nissen, E., et al. (2020). Short-term psychodynamic infant-parent interventions at Child health centers: Outcomes on parental depression and infant social-emotional functioning. *Infant Mental Health*, <https://doi.org/10.1002/imhj.21893>.



- Salomonsson, B., & Sandell, R., (2011). A randomized controlled trial of mother-infant psychoanalytic treatment: I. Outcomes on self-report questionnaires and external ratings. *Infant Mental Health Journal*, 32(2), 207-231.
- Salomonsson, M., Sorjonen, K., & Salomonsson., B. (2015). A long-term follow-up of a randomized controlled trial of mother-infant psychoanalytic treatment: Outcomes on the child. *Infant Mental Health Journal*, 36(1), 12-29.
- Sam, G., Naif, M., et al. (2022). Socioemotional behavior of toddlers influenced by the sleep patterns: Prevalence study. *Journal of Family Medicine and Primary Care*. DOI: 10.4103/jfmpe.jfmpe_340_21
- Scherer, E., Hagaman, A., Chung, E., Rahman A. et al., (2019). The relationship between responsive caregiving and child outcomes: evidence from direct observations of mother-child dyads in Pakistan. *BMC Public Health*, 19:252.
- Shi, H., et al. (2021). Impact of parent-child separation on children's social-emotional development in a corss-sectional study of left-behind children in poor rural areas of China. *BMC Public Health*, 21:823.
- Sieverson, C., Santelices, P., Farkas, C., Espinosa, N., et al. (2021). Effects of a mentalization-based group intervention with videofeedback for mothers of preschool children. *Journal of Infant, Child, and Adolescent Psychotherapy*, 20:1, 63-76, DOI: 10.1080/15289168.2021.1879717
- Sikander, S., Ahmad, I., Bates, L., Gallis, J., et al. (2019). Cohort Profile: Perinatal depression and child socioemotional development; the Bachpan cohort study from rural Pakistan. *BMJ Open*. 2019; <http://9:e025644>. doi:10.1136/
- Schneider, N., Bruchhage, M., Steiner, et al. (2022). Nutrient formulation affects developmental myelination in term infants: A randomized clinical trial. *Frontiers in Nutrition*, 823893.
- Squires, J., Bricker, D., Heo, K., & Twombly, E. (2001). Identification of social-emotional problems in young children using a parent-complete screening measure. *Early Childhood Research Quarterly*, 16, 405–419
- Squires, J., Bricker, D., Twombly, E. (2003). *The ASQ:SE User's Guide*. Baltimore: Paul. H. Brookes Publishing Co.
- Normative sample of over 3,000 questionnaires, high reliability (> 90%), internal consistency, sensitivity, and specificity (see <http://www.agesandstages.com> for Technical Report on ASQ:SE for complete psychometric data).
- Squires, J., Bricker, D., & Twombly, E. (2004). Parent-completed screening for social emotional problems in young children: Effects of risk/disability status and gender on performance. *Infant Mental Health*, 25(1), 62–73.



- Stensen, K., Stenseng, F., Lydersen, S., Marianne, S et al. (2018). Screening for mental health problems in a Norwegian preschool population. A validation of the Ages and Stages Questionnaire: Social-Emotional (ASQ:SE). *Child and Adolescent Mental Health*, doi: 10.1111/camh.12257.
- Sylvia, S., Warrinnier, N., Yue, A., Luo, F., et al. (2018). From Quantity to Quality: Delivering a Home-based Parenting Intervention through China's Family Planning Cadres. : <https://www.researchgate.net/publication/325390602>.
- Tuovinen, S. et al. (2021). Effect of high-dose vs standard-dose vitamin D supplementation of healthy term infants; a randomized clinical trial. *JAMA Network Open*. 4(9):e2124493.
- Urbanus, E. Swaab, H., Tartaglia, N., Cordeiro, L., & van Rijn, S. (2020). The behavioral profile of children aged 1-5 with sex chromosome trisomy (47,XXX, 47,XXY, 47,XYY). *Am J Med Genet C Semin Med Genet*. 184(2):444-455. doi: 10.1002/ajmg.c.31788.
- Vaezghasemi, M., Sundberg, L., Ivarsson, A., Eurenus, E., et al., (2017). Psychometric analysis of Age and Stages Questionnaire: Social-Emotional (ASQ:SE) among 3-year-olds: Masoud Vaezghasemi. *European Journal of Health*. <https://doi.org/10.1093/eurpub/ckx187.443>.
- Vaezghasemi, M., et al. (2022). The Ages and Stages Questionnaire: Social-Emotional (ASQ:SE) among 3-year-olds: --What is the optimal cut-off for 3 year olds in the Swedish Setting? *Frontiers in Pediatrics*. <https://doi.org/10.3389/fped.2022.756239>
- Van Baar, A., Jong, M., et al. (2020). Reliability and validity of the Utrecht asks for Attention in toddlers using eye tracking (UTATE). *Frontiers in Psychology*, 11, #1179.
- Velikonja, T., Edbrooke-Chiilds, J., Calderson, A., Slead, M., et al. (2017). The psychometric properties of the Ages & Stages Questionnaires for ages 2-2.5: a systematic review. *Child Care Health and Development*. 43(1), DOI10.1111/cch.12397. Epub2016Aug24.
- Wang, C. (2022). The role of physical activity promoting thinking skills and emotional behavior of preschool children. *Psicol. Refl. Crít.* 35, 24 (2022). <https://doi.org/10.1186/s41155-022-00223-1>
- Wang, Y., Chen, L. Wu, T., Shi, H., et al. (2020). Impact of Covid-19 in pregnancy on mother's psychological status and infant's neurobehavioral development: a longitudinal cohort study in Chine. *BMC Medicine*. DOI: 10.1186/s12916-020-01825-1
- Wray, J., Ryde, M., Butler, C., & Hewitt, R. (2019). Quality of life can be good after slide tracheoplasty for long-segment tracheal stenosis. *Interactive CardioVascular and Thoracic Surgery*, doi: 10.1093/icvts /ivz194.



- Wright, C., & Holm-Hansen, C., (2010). Mental health concerns in young children: Developing a comprehensive early identification and referral system. *Zero to Three*, 31(1), 48–53.
- Worku, B., Franssen, E., Abessa, T., & Kolsteren, P. (2017). Development, social-emotional behavior and resilience of orphaned children in a family-oriented setting. *Journal of Child and Family Studies*. DOI: 10.1007/s10826-017-0908-0.
- Yovanoff, P. & Squires, J. (2006). Determining cut-off scores on a developmental screening measure: Comparison of receiver operating characteristics and item response theory approaches. *Journal of Early Intervention*, 29(1), 48–62.
- Yue, A., Gao, J., Yang, M., Swinnen, L, Medina, A., & Rozelle, S. (2018). Caregiver depression and early childhood development: A mixed-methods study from rural China. *Frontiers in Psychology*. Doi: 10.33389/payg.2018.02500.
- Xie, H., Bian, X. Chen C., Squires, J., & Lu, P. (2019). Examining the convergent evidence of a parent-completed social-emotional screening tool in China. *Journal of Child and Family Studies*. <https://doi.org/10.1007/s10826-019-01362-3>.
- Xodo, S., et al. (2021). Does delayed cord clamping improve long-term (>4 months) neurodevelopment in term babies? A systematic review and meta-analysis or randomized clinical trials. *Frontiers in Pediatrics*. 9, article 651410.
- Zhang, J., Bian, X., Squires, J., et al. (2022). Validity of the Chinese version of the Ages and Stages Questionnaires Social-Emotional (second edition) for toddlers 12-35 months. *Chinese J. Child Health Care*, 30 3.
- Zheng, W., Chotipanvithayakul, R., et al., (2022). Sensory stimulation program improves the developments of preterm infants in Southwest China: A randomized controlled trial. *Frontiers in Psychology*, 13:867529.
- Zhou, F., Huang, P., Wei, X., Guo, Y., et al. (2021). Prevalence and characteristics of social withdrawal tendency among 3-24 months in Child: A Pilot Study. *Frontiers in Psychiatry*, 12:537411. <https://doi.org/10.3389/fpsy.2021.537411>
- Zhu, R., Chen, J., et al., (2021). Cortical development assessed by ultrasound in fetuses with ventriculomegaly... *Research Square*, <https://doi.org/10.21203/rs.3rs-132174>

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