Ages & Stages Questionnaires® (ASQ®)

Articles endorsing Ages & Stages Questionnaires® as an accurate, cost-effective, parent-friendly instrument for screening and monitoring of preschool children:


**ASQ Review Articles**


**Psychometric studies:**


Early detection of autism, joint committee for screening and diagnosis of autism and used for first level ASD screening:


Recommended for general developmental follow-up:


Used successfully for screening and developmental surveillance in office settings:


**Used successfully for follow up and assessment of premature and at-risk infants, randomized medical trials, and interventions related to developmental outcomes:**


Asztalos, E., Hannah, M, Hutton, E., Willan, A. (2016). Twin birth study: 2-year neurodevelopmental follow-up of randomized trial of planned cesarean or planned vaginal


Moreau, M., Remy, M., Nusinvici, S., Rouger, V., et al. (2019). Neonatal and neurodevelopmental outcomes in preterm infants according to maternal body mass index:


years of age: Findings from a randomized clinical trial. BMC Pediatr 22, 531
https://doi.org/10.1186/s12887-022-03556-z

development in a cohort with sibling pair analysis in the Japan environment and children’s

Schoch, S. et al. (2021). From alpha diversity to Zzz: Interactions among sleep, the brain, and gut
microbiota in the first year of life. Progress in Neurobiology, 102208.

Schonhaut, L., Armijo, I., Perez, M., (2015). Gestational age and developmental risk in
moderately and late preterm and early term infants. Pediatrics, 135, 4, e835e841.

Ages and Stages Questionnaires in term and preterm infants. Pediatrics, 131, e1468.

Stages Questionnaire and Bayley Scales, to predict cognitive delay in school age. Early
Human Development. 104933.

Long-term outcome of children born after a first-trimester measurement of nuchal
translucency at the 99th percentile or greater with normal karyotype: A prospective study. 

Shah, S., Jeong, K., Park, H, Hong, Y., et al. (2020). Environmental pollutants affecting
children’s growth and development: Collective results from the MOCEH study, a multi-

Shojaeian, N. et al. (2021). Does maternal exercise program affect infants’ development? A
randomized control trial number 1. Journal of Exercise and Health Science, 1(03), 53-66.

neurodevelopmental status at 6 months in infants with and without in utero exposure to
maternal SARS-CoV-2 infection. JAMA Pediatrics, 2021.5563.

Silock, R. et al. (2021). Parechovirus infection in infants: Evidence based parental counselling

Simard, M., Luu, T., & Gosselin, J. (2012). Concurrent validity of Ages and Stages

midwifery continuity positively impacts infant neurodevelopment, QF2011 study. BMC:
Pregnancy and Childbirth 18:309.


Used successfully for screening and follow-up of children in foster care, public health, hospital, infant mental health, and day care, Early Head Start community settings:


**Used for teaching medical students about early development:**


**Used to evaluate the role of early fine and gross motor development:**


**Used successfully for follow up of infants born after infertility, assisted reproductive technologies:**


**Low-cost alternative—annual cost of $25.00–$50.00 for following children:**


**Used successfully in home visiting and Early Head Start programs:**


In community day care settings:


In inner-city public health clinics:


Used for evaluating the 2006 American Academy of Pediatrics developmental surveillance and screening algorithm


Used to evaluate the role of early fine and gross motor development on later motor and cognitive ability:


Used to screening dual language learners, language enhancement, determine the prevalence of late-language emergence, and to investigate the predictive status of maternal, family, and child variables:

https://doi.org/10.1080/21594937.2020.1720127


doi: 10.1097/DBP.0000000000000816


**Translated and used cross-culturally with success:**


Adeniyi, Y. et al. (2021). Early-onset developmental impairments at a routine immunization clinic at University College Hospital, Ibadan, Nigeria. *International Health*, 0:1-6.


Berggren, S. et al. (2021). Serum osteocalcin levels at four months were associated with neurodevelopment at four years of age… *Acta Paediatrica,* DOI:10.1111/apa/16151.


doi:https://doi.org/10.14198/jhse.2022.173.04


**Studies by the authors of ASQ:**


- Normative sample of over 18,000 questionnaires across 21 intervals from 2 months to 5.5 years. High reliability (> 90%), internal consistency, sensitivity, and specificity. See [http://www.agesandstages.com](http://www.agesandstages.com) for ASQ-3 Technical Report for complete psychometric data.


Also see: http://www.agesandstages.com