

Supplementary Online Content

McDonald NM, Senturk D, Scheffler A, et al. Developmental trajectories of infants with multiplex family risk for autism: a Baby Siblings Research Consortium study. *JAMA Neurol*. Published online October 7, 2019. doi:10.1001/jamaneurol.2019.3341

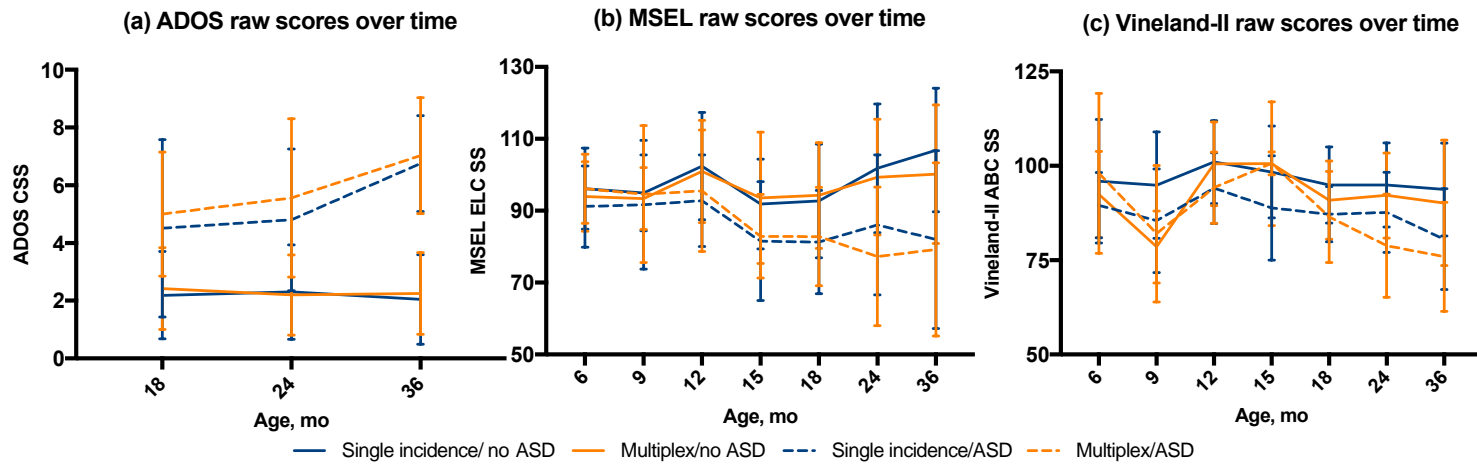
eFigure 1. Depiction of Raw Data for ASD Symptoms, Cognitive Abilities, and Adaptive Skills

eFigure 2. 36-Month Outcome Data by Familial-Risk Group in Children without ASD

eTable. Participant Information by Outcome Group

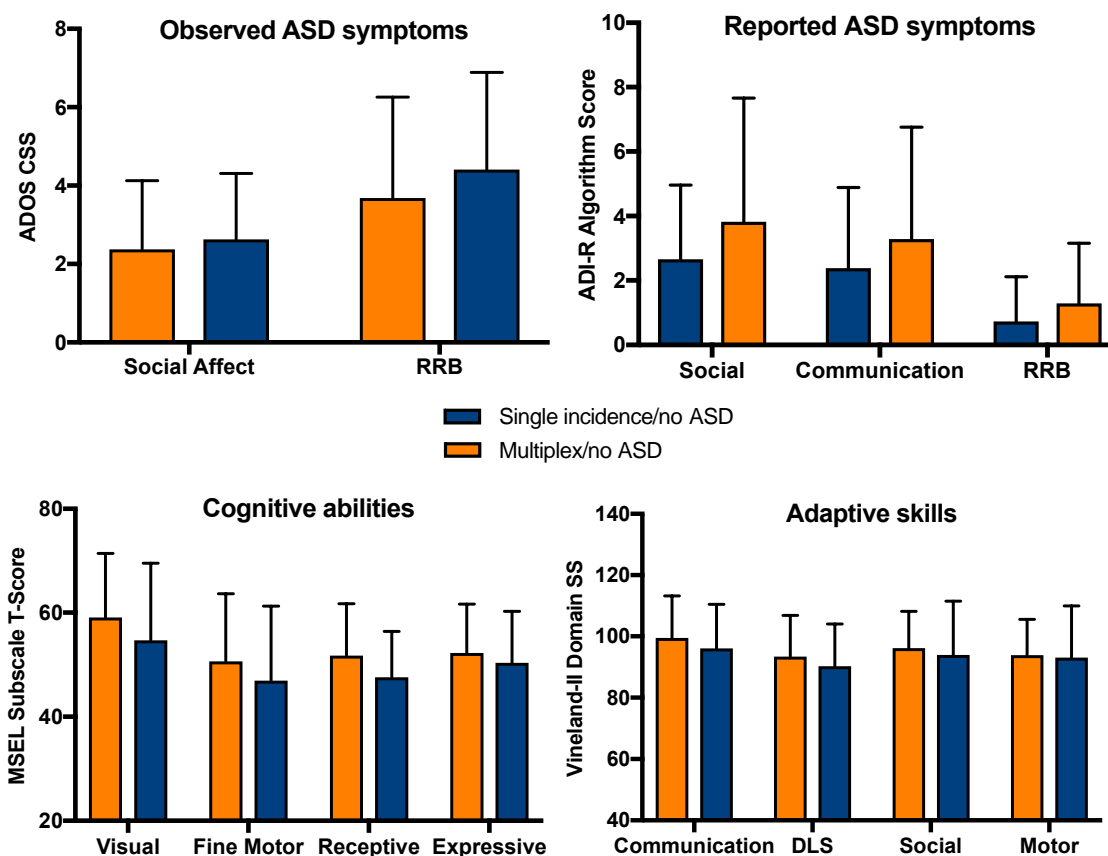
This supplementary material has been provided by the authors to give readers additional information about their work.

eFigure 1. Depiction of Raw Data for ASD Symptoms, Cognitive abilities, and Adaptive Skills



Note. Sample size varied by age (see Table 2 for details). ASD symptoms measured by ADOS calibrated severity score (1-10). Cognitive abilities measures by MSEL composite standard score ($M=100$, $SD=15$). Adaptive skills measured by Vineland-II composite standard score ($M=100$, $SD=15$). ASD=Autism spectrum disorder. ADOS=Autism Diagnostic Observation Schedule. MSEL=Mullen Scales of Early Learning.

eFigure 2. 36-month Outcome Data by Familial-Risk Group in Children Without ASD



Note. Sample size varied by measure (see Table 2 for details). Observed ASD symptoms measured by ADOS calibrated severity score (1-10). Reported ASD symptoms measured by ADI-R. Cognitive abilities measures by MSEL composite standard score ($M=100$, $SD=15$). Adaptive skills measured by Vineland-II composite standard score ($M=100$, $SD=15$). ASD=Autism spectrum disorder. ADOS=Autism Diagnostic Observation Schedule. CSS=Calibrated Severity Score. RRB=Repetitive, Restricted Behaviors. MSEL=Mullen Scales of Early Learning. Visual=Visual Reception. Receptive=Receptive Language. Expressive=Expressive Language. DLS=Daily Living Skills.

eTable. Participant Information by Outcome Group

36-mo Outcome Variable ^a	Mean (SD)		
	Typical (n = 227)	Atypical (n = 122)	ASD (n = 86)
ASD symptoms (ADOS)			
Overall	1.30 (0.46)	3.52 (1.77)	6.85 (1.78)
Social affect	1.64 (0.77)	3.85 (2.08)	6.67 (1.83)
RRB	3.10 (2.37)	5.07 (2.45)	7.58 (1.91)
Cognitive abilities (MSEL)			
Early learning composite	110.49 (14.37)	96.90 (19.84)	81.06 (24.42)
Visual reception	61.25 (10.31)	53.14 (15.14)	42.54 (18.84)
Fine motor	52.90 (12.65)	44.73 (12.81)	36.12 (12.75)
Receptive language	52.77 (8.84)	46.61 (9.86)	38.52 (14.31)
Expressive language	54.14 (7.82)	47.84 (10.94)	39.81 (13.56)
Adaptive skills (Vineland-II)			
Adaptive behavior composite	94.95 (12.11)	90.37 (13.84)	79.14 (13.73)
Communication	100.90 (13.18)	96.12 (14.16)	85.22 (16.32)
Daily living skills	94.95 (11.41)	89.95 (15.90)	80.55 (14.04)
Socialization	97.66 (12.68)	92.97 (12.85)	79.59 (13.21)
Motor skills	94.88 (12.06)	92.00 (12.71)	84.83 (12.78)

Abbreviations: ADOS, Autism Diagnostic Observation Schedule; ASD, autism spectrum disorder; MSEL, Mullen Scales of Early Learning; RRB, restricted, repetitive behavior; Vineland-II, Vineland Adaptive Behavior Scales–Second Edition.

^aGroups differed on all outcome variables. Group differences between categorical variables assessed using χ^2 tests, and continuous variables using *t* tests. Autism Diagnostic Observation Schedule calibrated severity score (range, 1-10), Vineland-II composite and domain standard scores (mean [SD], 100 [15]), MSEL composite standard score (mean [SD], 100 [15]), and subscale *t* scores (mean [SD], 50 [10]) are presented.