

Supplemental Material S1.

Proportion of the sample observed to use gestures on at least one occasion during a home observation at 20 months.

	ASD (<i>n</i> = 121)	DD (<i>n</i> = 46)	TD (<i>n</i> = 44)		Effect size (<i>d</i>) ^d of group differences	
	<i>M</i> (<i>SD</i>)	<i>M</i> (<i>SD</i>)	<i>M</i> (<i>SD</i>)	<i>F</i> (2, 208)	ASD- DD	ASD- TD
Contact	.3 (.5)	.3 (.4)	.3 (.5)	0.40	0.15	0.06
Hand as Tool	.1 (.3)	< .01	.1 (.3)	2.45	0.47	0.03
Self-Injurious	.1 (.2)	.04 (.2)	< .01	1.32	0.09	0.37
Push/Pull Person	.2 (.4)	.2 (.4)	.2 (.4)	0.06	0.05	0.02
Deictic	1.0 (.1)	1.0 (< .01)	1.0 (< .01)	0.37	0.16	0.00
Give	.9 (.3)	.9 (.3)	1.0 (< .01)	2.44	0.11	0.47
Reach Object	1.0 (.2)	1.0 (< .01)	1.0 (< .01)	1.91	0.28	0.28
Push/Pull Away	.9 (.3)	.9 (.3)	.8 (.4)	2.87	0.17	0.29
Reach Person	.8 (.4)	.9 (.3)	.8 (.4)	1.95	0.34	0.21
Show	.6 _a (.5)	.7 _a (.5)	1.0 _b (< .01)	14.58***	0.17	1.18
Tap/Pat	.8 (.4)	.9 (.3)	.9 (.3)	1.47	0.18	0.32
Point to Touch	.7 _a (.5)	.7 _a (.5)	1.0 _b (.2)	7.39**	0.08	0.71
Distal Point	.5 _a (.5)	.7 _b (.4)	1.0 _c (< .01)	22.10***	0.51	1.41
Conventional	.9 (.4)	.8 (.4)	1.0 (.2)	1.87	0.08	0.31
Shake Head	.5 _a (.5)	.6 _a (.5)	.9 _b (.3)	9.91***	0.22	0.88
Wave	.2 _a (.4)	.3 _a (.5)	.5 _b (.5)	2.01*	0.11	0.48
Clap	.5 (.5)	.5 (.5)	.6 (.5)	0.16	0.00	0.10
Blow Kiss	.1 (.2)	.04 (.21)	.1 (.3)	0.47	0.09	0.11
Shh	.01 (.1)	.02 (.2)	.05 (.2)	1.21	0.08	0.25
Head Nod	.1 _a (.3)	.2 _a (.4)	.6 _b (.5)	30.38***	0.14	1.24
Thumbs Up	< .01	< .01	.1 (.2)	3.92*	0.00	0.34
Shrug	.1 _a (.3)	.1 _a (.3)	.2 _b (.4)	4.00*	0.00	0.41
Hand up	.2 (.4)	.3 (.4)	.3 (.5)	1.15	0.12	0.25
High Five	.2 (.4)	.2 (.4)	.3 (.5)	0.86	0.02	0.21
Iconic	.3 _a (.5)	.4 _a (.5)	.6 _b (.5)	8.52***	0.11	0.72

Note. ASD = Autism spectrum disorder; DD = Developmental delay without ASD; TD = Typical development. Means in the same row with different subscripts (a, b, and c) differ significantly, $p < .05$.

^d Effect size based on Cohen's $d = .20$ is small, $.50$ is medium, and $.80$ is large.

* $p < .05$. ** $p < .01$. *** $p < .001$.