

Table 2. Results on social communication

Study	Intervention	Control	Instrument	Range	Result		Timepoint(s)	Mean Difference (95%CI)	Clinically relevant (yes/no)
					Intervention (mean ± SD)	Control (mean ± SD)			
Early behavioral interventions									
Dawson, 2010	ESDM	Assess- and- monitor	ADOS CSS	0-10	6.5 ± 1.5 (n=24)	7.3 ± 2.1 (n=23)	1 year	-0.80 (-1.85 to 0.25)	No
					7.0 ± 1.9 (n=24)	7.3 ± 1.8 (n=21)	2 years	-0.30 (-1.38 to 0.78)	No
Estes, 2015	ESDM	Assess- and- monitor	ADOS total Restricted/repetiti ve + social affect		11.2 ± 6.9 (n=21)	16.0 ± 6.6 (n=18)	Age 6 years	-4.80 (-9.04 to -0.56)	Yes
Kasari, 2015	JASPER	PEI	Coding system Adapted from Adamson (2009)	Time joint engaged	363.7 ± 132.5 seconds (n=43)	266.7 ± 199.9 seconds (n=43)	6 months	97.00 (25.32 to 168.68)	Yes
			Coding system	IJA	8.7 ± 8.6 (n=43)	6.8 ± 5.7 (n=43)	6 months	1.90 (-1.18 to 4.98)	No
Van den Berk- Smeekens, 2021	PRT	TAU	ADOS-2 CSS	0-10 Percentage decrease	38.6% (n=25)	22.2% (n=23)	20 weeks	1.84 (0.74 to 4.58)*	Yes
Parent-child interaction early interventions									
Poslawsky, 2015	VIPP-Auti	Usual care	ESCS	IJA sum score	33.4 ± 6.9 (n=38)	34.4 ± 5.7 (n=34)	3 months	-1.00 (-3.91 to 1.91)	No
			ESCS	RJA sum score	51.7 ± 17.4 (n=38)	52.9 ± 18.0 (n=34)	3 months	-1.20 (-9.40 to 7.00)	No
Ginn, 2017	CDIT	Waitlist control	SRS Composite score	0-195	80.5 ± 12.2 (n=15)	82.3 ± 8.9 (n=15)	10 weeks	-1.80 (-9.44 to 5.84)	No
Rogers, 2012	P-ESDM	TAU	ADOS-T Social affect		26.6 ± 10.1 (n=49)	27.3 ± 10.6 (n=49)	12 weeks	-0.70 (-4.80 to 3.40)	No
			ADOS-T Restrictive/repetit ive		4.0 ± 1.9 (n=49)	3.8 ± 2.0 (n=49)	12 weeks	0.20 (-0.57 to 0.97)	No
Oosterling, 2010	Focus Parent Training	Usual care	ADOS Joint attention factor	Mean change	-0.8 ± 2.3 (n=33)	-0.9 ± 0.2 (n=31)	12 months	0.10 (-0.69 to 0.89)	No
			ADOS Social affect	Mean change	-2.5 ± 4.0 (n=33)	-2.3 ± 3.7 (n=31)	12 months	-0.20 (-2.09 to 1.69)	No
Pajareya, 2011	DIR/Floortime	TAU	CARS	15-60 Mean change	2.9 ± 2.0 (n=15)	0.8 ± 1.2 (n=16)	3 months	2.10 (0.93 to 3.27)	Yes
Tonge, 2014	PEAC	TAU	CARS	15-60	40.1 ± 5.4 (n=35)	38.7 ± 6.7 (n=35)	6 months	1.40 (-1.45 to 4.25)	No

Abbreviations: ADOS(-T) = autism diagnostic observation schedule (for toddlers); CARS = childhood autism rating scale; CI = confidence interval; CSS = calibrated severity score; DIR = developmental, individual-difference, relationship-based ;ESCS = early social communication scales; ESDM = early start Denver model; IJA = initiating joint attention; MD = mean difference; PEI = psychoeducational intervention; PRT = pivotal response treatment; RJA = responding to joint attention; SD = standard deviation; SRS = social responsiveness scale; TAU = treatment as usual; VIPP-Auti = Video-feedback intervention to promote positive parenting adapted to autism.

* Risk ratio (95%CI) is presented