

Supplemental Material S11. Regression models using postintervention parental reading scores as the fidelity measure.

Expressive language

Term	β	SE	t	p
Intercept	1.31 [0.58, 2.58]	0.51	2.56	.011
Pause vs. Dialogic	0.8 [-1.74, 2.37]	1.05	0.76	.440
Control vs. Intervention	3.5e-03 [-1.4, 1.81]	0.82	4.2e-03	.997
Pre-Intervention Score	-0.13 [-0.25, 1.3e-03]	0.06	-1.97	.049
SES	0.27 [-1.12, 1.1]	0.57	0.48	.629
Dialogic Score	-4.33 [-7.78, -0.93]	1.75	-2.47	.017
Pause Score	4.78 [0.94, 8.5]	1.93	2.48	.015
Pause vs. Dialogic \times Pre-Intervention Score	-0.06 [-0.39, 0.25]	0.16	-0.37	.705
Pause vs. Dialogic \times SES	-0.48 [-2.52, 2.6]	1.31	-0.37	.721
Pause vs. Dialogic \times Dialogic Score	5.88 [-2.99, 14.27]	4.40	1.33	.172
Pause vs. Dialogic \times Pause Score	-1.31 [-9.39, 7.3]	4.26	-0.31	.754
Control vs. Intervention \times Pre-Intervention Score	-9.2e-03 [-0.19, 0.16]	0.09	-0.1	.914
Control vs. Intervention \times SES	0.17 [-1.64, 1.6]	0.83	0.2	.839
Control vs. Intervention \times Dialogic Score	-1.31 [-6.24, 3.44]	2.47	-0.53	.590
Control vs. Intervention \times Pause Score	2.39 [-3.34, 8.48]	3.01	0.79	.420

F(14, 122) = 1.11 [-1.66, 1.5], $p = .359$, $R^2 = 0.1126$, $N = 137$

Receptive language

Term	β	<i>SE</i>	<i>t</i>	<i>p</i>
Intercept	1.65 [1.18, 3.66]	0.63	2.59	.010
Pause vs. Dialogic	2.83 [-0.87, 5.62]	1.66	1.71	.089
Control vs. Intervention	0.48 [-0.42, 2.78]	0.81	0.58	.557
Pre-Intervention Score	-0.27 [-0.42, -0.13]	0.07	-3.73	< .001
SES	0.83 [-1.37, 1.34]	0.69	1.20	.228
Dialogic Score	-3.08 [-7.81, 2.09]	2.53	-1.22	.214
Pause Score	2.32 [-2.79, 7.18]	2.54	0.91	.353
Pause vs. Dialogic \times Pre-Intervention Score	-0.02 [-0.42, 0.39]	0.21	-0.07	.942
Pause vs. Dialogic \times SES	-0.28 [-3.48, 3.65]	1.82	-0.15	.878
Pause vs. Dialogic \times Dialogic Score	-0.46 [-13.15, 14.68]	7.10	-0.06	.943
Pause vs. Dialogic \times Pause Score	1.82 [-12.29, 14.67]	6.88	0.26	.794
Control vs. Intervention \times Pre-Intervention Score	0.02 [-0.16, 0.19]	0.09	0.23	.814
Control vs. Intervention \times SES	0.73 [-1.75, 1.72]	0.89	0.83	.413
Control vs. Intervention \times Dialogic Score	-8.15 [-13.33, -1.92]	2.91	-2.80	.007
Control vs. Intervention \times Pause Score	9.2 [2.56, 15.22]	3.23	2.85	.006

$F(14, 122) = 1.11 [-1.66, 1.5], p = .359, R^2 = 0.1126, N = 137$

CELF (syntax comprehension) scores

Term	β	<i>SE</i>	<i>t</i>	<i>p</i>
Intercept	0.88 [0.15, 2.74]	0.66	1.33	.183
Pause vs. Dialogic	2.04 [-0.95, 4.89]	1.49	1.37	.169
Control vs. Intervention	-0.5 [-2.02, 1.9]	1.00	-0.50	.612
Pre-Intervention Score	-0.38 [-0.53, -0.22]	0.08	-4.87	< .001
SES	0.53 [-1.49, 1.47]	0.76	0.70	.481
Dialogic Score	-1.67 [-6.56, 2.74]	2.37	-0.70	.468
Pause Score	3.2 [-2.09, 8.65]	2.74	1.17	.233
Pause vs. Dialogic \times Pre-Intervention Score	0.37 [0.02, 0.73]	0.18	2.04	.042
Pause vs. Dialogic \times SES	-0.22 [-3.68, 3.56]	1.85	-0.12	.907
Pause vs. Dialogic \times Dialogic Score	8.44 [-4.76, 19.57]	6.21	1.36	.171
Pause vs. Dialogic \times Pause Score	-11.9 [-23.23, 0.57]	6.07	-1.96	.050
Control vs. Intervention \times Pre-Intervention Score	0.07 [-0.16, 0.29]	0.11	0.61	.532
Control vs. Intervention \times SES	0.39 [-2.07, 2.13]	1.07	0.36	.713
Control vs. Intervention \times Dialogic Score	-5.46 [-11.85, 0.46]	3.14	-1.74	.080
Control vs. Intervention \times Pause Score	5.63 [-2.44, 14.26]	4.26	1.32	.180

$F(14, 113) = 2.21 [-1.11, 3.08], p = .011, R^2 = 0.2153, N = 128$

MLU (syntax production) scores

Term	β	<i>SE</i>	<i>t</i>	<i>p</i>
Intercept	0.05 [-0.73, 0.62]	0.34	0.15	.781
Pause vs. Dialogic	0.3 [-0.93, 1.68]	0.67	0.45	.396
Control vs. Intervention	0.14 [-1.04, 1.19]	0.57	0.25	.638
Pre-Intervention Score	-0.17 [-0.78, 0.45]	0.32	-0.54	.419
SES	-0.05 [-0.85, 0.91]	0.45	-0.11	.834
Dialogic Score	-0.58 [-3.2, 2.23]	1.39	-0.42	.375
Pause Score	0.66 [-1.97, 2.79]	1.21	0.55	.365
Pause vs. Dialogic \times Pre-Intervention Score	0.44 [-1.21, 2.04]	0.83	0.53	.394
Pause vs. Dialogic \times SES	0.13 [-2.08, 2.27]	1.11	0.12	.787
Pause vs. Dialogic \times Dialogic Score	0.93 [-4.47, 6.71]	2.85	0.32	.515
Pause vs. Dialogic \times Pause Score	-0.49 [-5.49, 4.19]	2.47	-0.20	.761
Control vs. Intervention \times Pre-Intervention Score	-0.02 [-0.91, 0.72]	0.42	-0.04	.959
Control vs. Intervention \times SES	-0.11 [-1.27, 1.2]	0.63	-0.17	.749
Control vs. Intervention \times Dialogic Score	0.55 [-3.72, 4.91]	2.20	0.25	.496
Control vs. Intervention \times Pause Score	-0.05 [-3.64, 4.1]	1.97	-0.03	.952

$F(14, 33) = 0.96 [-4.52, 2.43], p = .514, R^2 = 0.2888, N = 48$