

Data supplement for Boelen et al., CBT for Prolonged Grief in Children and Adolescents: A Randomized Clinical Trial. Am J Psychiatry (doi: 10.1176/appi.ajp.2020.20050548)

Table S1. Observed means (SD) for prolonged grief, depression, and posttraumatic stress disorder

	Prolonged grief		Depression		Posttraumatic stress disorder	
	Supportive Counselling	CBT Grief-Help	Supportive Counselling	CBT Grief-Help	Supportive Counselling	CBT Grief-Help
Pre-treatment	55.98 (11.17)	57.62 (9.97)	13.82 (8.41)	13.39 (6.90)	16.76 (10.14)	17.52 (8.44)
Post-treatment	42.84 (10.28)	40.73 (7.94)	8.54 (5.02)	8.81 (5.47)	7.34 (7.07)	6.73 (5.78)
3-months-FU	43.11 (10.38)	40.15 (7.95)	8.14 (5.67)	7.83 (5.02)	9.03 (6.78)	7.70 (7.01)
6-months-FU	43.84 (12.72)	38.80 (8.06)	9.26 (7.72)	6.96 (5.16)	9.45 (9.40)	7.00 (7.70)
12-months-FU	42.91 (13.30)	36.71 (6.90)	8.12 (7.44)	5.34 (4.76)	8.40 (9.88)	4.58 (5.13)

Note. CBT = Cognitive Behavioral Therapy. FU = follow-up.

Table S2. Observed means (SD) for posttraumatic stress disorder (PTSD) clusters of reexperiencing, avoidance, hyperarousal

	PTSD reexperiencing		PTSD avoidance		PTSD hyperarousal	
	Supportive Counselling	CBT Grief-Help	Supportive Counselling	CBT Grief-Help	Supportive Counselling	CBT Grief-Help
Pre-treatment	4.60 (3.67)	5.09 (3.33)	6.43 (4.04)	6.33 (3.81)	5.78 (3.70)	6.11 (3.25)
Post-treatment	2.02 (2.41)	1.69 (1.97)	2.49 (2.96)	2.21 (2.36)	2.83 (2.56)	2.82 (2.39)
3-months-FU	2.76 (2.61)	2.13 (2.50)	3.15 (3.66)	2.76 (3.06)	3.30 (2.61)	2.81 (2.54)
6-months-FU	3.00 (3.44)	1.95 (2.47)	2.84 (3.31)	2.66 (3.44)	3.29 (2.61)	2.39 (2.53)
12-months-FU	2.76 (3.77)	1.49 (2.13)	5.78 (3.70)	1.31 (1.81)	2.80 (3.48)	1.79 (1.98)

Note. CBT = Cognitive Behavioral Therapy. FU = follow-up.

Table S3. Observed means (SD) for internalizing, externalizing, and total problem behavior

	CBCL internalizing		CBCL externalizing		CBCL total problem behavior	
	Supportive Counselling	Grief-Help	Supportive Counselling	Grief-Help	Supportive Counselling	Grief-Help
Pre-treatment	14.60 (8.96)	15.38 (8.78)	14.06 (8.73)	10.57 (8.42)	51.51 (24.84)	45.11 (24.00)
Post-treatment	10.69 (7.12)	9.74 (8.03)	9.57 (8.61)	8.86 (8.87)	36.55 (25.10)	33.24 (24.86)
3-months-FU	9.32 (6.62)	6.81 (7.02)	8.82 (7.29)	6.08 (6.31)	32.02 (21.72)	22.36 (17.94)
6-months-FU	10.14 (7.74)	5.81 (7.08)	9.40 (10.38)	4.12 (5.46)	33.87 (27.85)	16.88 (17.17)
12-months-FU	8.58 (6.55)	4.34 (4.75)	5.64 (4.66)	3.87 (3.97)	24.70 (17.21)	15.04 (12.92)

Note. CBCL = Child Behavior Checklist. CBT = Cognitive Behavioral Therapy. FU = follow-up.

Table S4. Parameter estimates for posttraumatic stress disorder (PTSD) clusters for intention-to-treat sample (N=134) including baseline depression as covariate

	PTSD reexperiencing			PTSD avoidance			PTSD hyperarousal		
	B	SE	p-value	B	SE	p-value	B	SE	p-value
Intercept	2.29	0.83	0.006	3.96	0.90	<0.001	2.81	0.79	<0.001
Baseline depression	0.12	0.02	<0.001	0.18	0.02	<0.001	0.19	0.02	<0.001
Pre-treatment vs. post-treatment	-1.48	0.90	0.101	-3.48	1.05	0.001	-1.94	0.93	0.038
Pre-treatment vs. 3-months-FU	-0.40	0.98	0.681	-2.94	1.14	0.010	-1.10	1.01	0.279
Pre-treatment vs. 6-months-FU	0.40	1.04	0.698	-2.34	1.21	0.053	-0.66	1.07	0.537
Pre-treatment vs. 12-months-FU	0.26	1.12	0.818	-2.07	1.30	0.112	-0.87	1.15	0.450
Condition	0.58	0.47	0.216	-0.02	0.51	0.961	0.41	0.45	0.358
Pre-treatment vs. post-treatment * Condition	-0.95	0.54	0.081	-0.33	0.63	0.602	-0.66	0.56	0.236
Pre-treatment vs. 3-months-FU * Condition	-1.21	0.59	0.041	-0.27	0.69	0.710	-0.96	0.61	0.115
Pre-treatment vs. 6-months-FU * Condition	-1.69	0.61	0.006	-0.55	0.71	0.442	-1.37	0.63	0.030

Pre-treatment vs. 12- months-FU * Condition	-1.86	0.66	0.005	-1.35	0.77	0.079	-1.54	0.68	0.023
--	-------	------	-------	-------	------	-------	-------	------	-------

Note. FU = follow-up.

Table S5. Parameter estimates for prolonged grief levels for intention-to-treat sample (N=134) including gender as moderator

	Prolonged grief		
	B	SE	p-value
Intercept	46.99	2.88	<0.001
Baseline depression	0.53	0.09	<0.001
Pre-treatment vs. post-treatment	-7.93	2.78	0.005
Pre-treatment vs. 3-months-FU	-6.87	3.04	0.025
Pre-treatment vs. 6-months-FU	-3.64	3.20	0.257
Pre-treatment vs. 12-months-FU	-4.27	3.45	0.217
Condition	1.89	1.57	0.231
Gender	-0.41	1.54	0.792
Pre-treatment vs. post-treatment * Condition	-4.94	1.77	0.006
Pre-treatment vs. 3-months-FU * Condition	-4.49	1.96	0.023
Pre-treatment vs. 6-months-FU * Condition	-6.78	2.01	0.001
Pre-treatment vs. 12-months-FU * Condition	-7.97	2.14	<0.001
Pre-treatment vs. post-treatment * Condition * Gender	0.94	0.97	0.333
Pre-treatment vs. 3-months-FU * Condition * Gender	-0.35	1.07	0.742
Pre-treatment vs. 6-months-FU * Condition * Gender	-0.32	1.06	0.768
Pre-treatment vs. 12-months-FU * Condition * Gender	0.54	1.13	0.633

Note. FU = follow-up. Gender was coded 0 = boy, 1 = girl

Table S6. Parameter estimates for prolonged grief levels for intention-to-treat sample (N=134) including age (in years) as moderator

	Prolonged grief		
	B	SE	p-value
Intercept	54.94	4.32	<0.001
Baseline depression	0.53	0.09	<0.001
Pre-treatment vs. post-treatment	-8.30	2.79	0.003
Pre-treatment vs. 3-months-FU	-6.29	3.03	0.039
Pre-treatment vs. 6-months-FU	-3.50	3.20	0.274
Pre-treatment vs. 12-months-FU	-4.36	3.45	0.207
Condition	2.19	1.54	0.157
Age	-0.67	0.27	0.013
Pre-treatment vs. post-treatment * Condition	-8.92	2.81	0.002
Pre-treatment vs. 3-months-FU * Condition	-11.35	3.20	<0.001
Pre-treatment vs. 6-months-FU * Condition	-10.83	3.22	0.001
Pre-treatment vs. 12-months-FU * Condition	-10.84	3.43	0.002
Pre-treatment vs. post-treatment * Condition * Age	0.36	0.17	0.039
Pre-treatment vs. 3-months-FU * Condition * Age	0.48	0.19	0.012
Pre-treatment vs. 6-months-FU * Condition * Age	0.29	0.19	0.134
Pre-treatment vs. 12-months-FU * Condition * Age	0.24	0.21	0.240

Note. FU = follow-up.

Table S7. Parameter estimates for prolonged grief levels for intention-to-treat sample (N=134) including time since loss (in months) as moderator

	Prolonged grief		
	B	SE	p-value
Intercept	47.57	3.08	<0.001
Baseline depression	0.52	0.09	<0.001
Pre-treatment vs. post-treatment	-7.75	2.79	0.006
Pre-treatment vs. 3-months-FU	-6.62	3.04	0.030
Pre-treatment vs. 6-months-FU	-3.48	3.22	0.279
Pre-treatment vs. 12-months-FU	-4.23	3.46	0.222
Condition	1.74	1.58	0.270
Time since loss	-0.01	0.02	0.602
Pre-treatment vs. post-treatment * Condition	-3.90	1.70	0.023
Pre-treatment vs. 3-months-FU * Condition	-4.54	1.87	0.016
Pre-treatment vs. 6-months-FU * Condition	-6.90	1.92	<0.001
Pre-treatment vs. 12-months-FU * Condition	-7.57	2.07	<0.001
Pre-treatment vs. post-treatment * Condition * Time since loss	-0.02	0.01	0.187
Pre-treatment vs. 3-months-FU * Condition * Time since loss	-0.01	0.02	0.585
Pre-treatment vs. 6-months-FU * Condition * Time since loss	<-0.01	0.01	0.781
Pre-treatment vs. 12-months-FU * Condition * Time since loss	<-0.01	0.02	0.794

Note. FU = follow-up.

Table S8. Parameter estimates for prolonged grief levels for intention-to-treat sample (N=134) including kinship to the deceased as moderator

	Prolonged grief		
	B	SE	p-value
Intercept	48.84	2.99	<0.001
Baseline depression	0.54	0.08	<0.001
Pre-treatment vs. post-treatment	-7.91	2.72	0.004
Pre-treatment vs. 3-months-FU	-6.06	2.97	0.042
Pre-treatment vs. 6-months-FU	-3.34	3.13	0.287
Pre-treatment vs. 12-months-FU	-4.56	3.39	0.179
Condition	2.02	1.54	0.193
Kinship	-3.34	1.66	0.045
Pre-treatment vs. post-treatment * Condition	-6.52	1.82	<0.001
Pre-treatment vs. 3-months-FU * Condition	-8.35	2.07	<0.001
Pre-treatment vs. 6-months-FU * Condition	-10.01	2.06	<0.001
Pre-treatment vs. 12-months-FU * Condition	-11.28	2.15	<0.001
Pre-treatment vs. post-treatment * Condition * Kinship	2.84	1.06	0.008
Pre-treatment vs. 3-months-FU * Condition * Kinship	4.28	1.21	<0.001
Pre-treatment vs. 6-months-FU * Condition * Kinship	3.85	1.22	0.002
Pre-treatment vs. 12-months-FU * Condition * Kinship	5.09	1.25	<.001

Note. FU = follow-up. Kinship is coded 0 = deceased person is not the parent, 1 = deceased person is the parent.

Table S9. Parameter estimates for prolonged grief levels for intention-to-treat sample (N=134) including cause of death as moderator

	Prolonged grief		
	B	SE	p-value
Intercept	48.10	2.98	<0.001
Baseline depression	0.52	0.09	<0.001
Pre-treatment vs. post-treatment	-8.35	2.77	0.003
Pre-treatment vs. 3-months-FU	-6.84	3.02	0.024
Pre-treatment vs. 6-months-FU	-3.52	3.19	0.270
Pre-treatment vs. 12-months-FU	-3.96	3.45	0.251
Condition	1.67	1.57	0.289
Cause	-2.14	1.55	0.170
Pre-treatment vs. post-treatment * Condition	-4.88	1.69	0.004
Pre-treatment vs. 3-months-FU * Condition	-5.05	1.86	0.007
Pre-treatment vs. 6-months-FU * Condition	-7.06	1.91	<0.001
Pre-treatment vs. 12-months-FU * Condition	-7.59	2.04	<0.001
Pre-treatment vs. post-treatment * Condition * Cause	1.69	0.98	0.086
Pre-treatment vs. 3-months-FU * Condition * Cause	0.90	1.07	0.401
Pre-treatment vs. 6-months-FU * Condition * Cause	0.21	1.06	0.845
Pre-treatment vs. 12-months-FU * Condition * Cause	-0.55	1.14	0.633

Note. Cause of death is coded 0 = natural, 1 = unnatural. FU = follow-up.