

Treatment Outcomes: Item Analysis

**Paradigm Malibu
Adolescent Treatment Center**

November, 2015

Following the Treatment Outcome Review, which found significant differences by subscale and respondent (patient and parent) pre- and post-treatment, select items from each of the Ohio Youth subscales were analyzed individually. Mean scores from clients' self-report and parents' report were compared at two intervals: from pre-treatment to 1 month, and pre-treatment to 6 months. This item analysis indicated positive effects of treatment for both patients and parents.

Three items were from the Problem Severity subscale, scored on a 6 point scale where a higher score is more worrisome:

- 14. Feeling worthless or useless
- 16. Feeling anxious or fearful
- 18. Feeling sad or depressed

For Feeling worthless or useless, the mean score for both patients and parents decreased from pre-treatment to 1 month, and from pre-treatment to 6 months. Among patients, the pre-treatment mean was 4.12 (between "most of the time" and "all of the time"). It dropped to 1.32 (between "once or twice" and "several times") at 1 month, then to 0.67 (between "not at all" and "once or twice") at 6 months. For parents, the pre-treatment mean was 3.57 (between "often" and "most of the time"), then it dropped to 0.92 (between "not at all" and "once or twice") at 1 month and to 0.40 at 6 months. See Appendix 1 for frequency distributions by question and respondent, and Appendix 4 for mean decreases.

Table 1: Mean scores

	Worthless or useless	
	Patient	Parent
Pre-treatment	4.12	3.57
+ 1 month	1.32	0.92
+ 6 months	0.67	0.40

Table 2: Percent changes in mean between administrations

	Worthless or useless	
	Patient	Parent
Pre-treatment to 1 month	-68%	-74%
Pre-treatment to 6 months	-84%	-89%

For Feeling anxious or fearful, the mean score for both patients and parents decreased from pre-treatment to 1 month, and from pre-treatment to 6 months. Among patients, the pre-treatment mean was 4.08 (between "most of the time" and "all of the time"). It dropped to 1.30 (between "once or twice" and "several times") at 1 month, then to 0.76 (between "not at all" and "once or twice") at 6 months. For parents, the pre-treatment mean was 3.59 (between "often" and "most of the time"), then it dropped to 0.94 (between "not at all" and "once or twice") at 1 month and to 0.60 at 6 months. See

Appendix 1 for frequency distributions by question and respondent, and Appendix 4 for mean decreases.

Table 3: Mean scores

	Anxious or Fearful	
	Patient	Parent
Pre-treatment	4.08	3.59
+ 1 month	1.30	0.94
+ 6 months	0.76	0.60

Table 4: Percent changes in mean between administrations

	Anxious or Fearful	
	Patient	Parent
Pre-treatment to 1 month	-68%	-74%
Pre-treatment to 6 months	-81%	-83%

For Feeling sad or depressed, the mean score for both patients and parents decreased from pre-treatment to 1 month, and from pre-treatment to 6 months. Among patients, the pre-treatment mean was 4.22 (between “most of the time” and “all of the time”). It dropped to 1.18 (between “once or twice” and “several times”) at 1 month, then to 0.65 (between “not at all” and “once or twice”) at 6 months. For parents, the pre-treatment mean was 3.47 (between “often” and “most of the time”), then it dropped to 0.82 (between “not at all” and “once or twice”) at 1 month and to 0.47 at 6 months. See Appendix 1 for frequency distributions by question and respondent, and Appendix 4 for mean decreases.

Table 5: Mean scores

	Sad or Depressed	
	Patient	Parent
Pre-treatment	4.22	3.47
+ 1 month	1.18	0.82
+ 6 months	0.65	0.47

Table 6: Percent changes in mean between administrations

	Sad or Depressed	
	Patient	Parent
Pre-treatment to 1 month	-72%	-76%
Pre-treatment to 6 months	-85%	-87%

Two items were from the Hopefulness subscale, scored on a 6 point scale where a higher score is more worrisome:

1. How satisfied are you with your life right now?
4. How optimistic are you about the future?

For Feeling satisfied with life, the mean score for both patients and parents decreased from pre-treatment to 1 month, and from pre-treatment to 6 months. Among patients, the pre-treatment mean was 5.37 (between “moderately dissatisfied” and “extremely dissatisfied”). It dropped to 2.10 (between “moderately satisfied” and “somewhat satisfied”) at 1 month, then to 1.40 (between “extremely satisfied” and “moderately satisfied”) at 6 months. For parents, the pre-treatment mean was 4.95 (between “somewhat dissatisfied” and “moderately dissatisfied”), then it dropped to 1.55 (between “extremely satisfied” and “moderately satisfied”) at 1 month and to 1.27 at 6 months. See Appendix 2 for frequency distributions by question and respondent, and Appendix 4 for mean decreases.

Table 7: Mean scores

	Satisfied with their life	
	Patient	Parent
Pre-treatment	5.37	4.95
+ 1 month	2.10	1.55
+ 6 months	1.40	1.27

Table 8: Percent changes in mean between administrations

	Satisfied with their life	
	Patient	Parent
Pre-treatment to 1 month	-61%	-69%
Pre-treatment to 6 months	-74%	-74%

For Optimistic about the future, the mean score for both patients and parents decreased from pre-treatment to 1 month, and from pre-treatment to 6 months. Among patients, the pre-treatment mean was 5.24 (between “moderately dissatisfied” and “extremely dissatisfied”). It dropped to 1.71 (between “extremely satisfied” and “moderately satisfied”) at 1 month, then to 1.30 at 6 months. For parents, the pre-treatment mean was 5.19 (between “moderately dissatisfied” and “extremely dissatisfied”), then it dropped to 1.43 (between “extremely satisfied” and “moderately satisfied”) at 1 month and to 1.18 at 6 months. See Appendix 2 for frequency distributions by question and respondent, and Appendix 4 for mean decreases.

Table 9: Mean scores

	Optimistic about the future	
	Patient	Parent
Pre-treatment	5.24	5.19
+ 1 month	1.71	1.43
+ 6 months	1.30	1.18

Table 10: Percent changes in mean between administrations

	Optimistic about the future	
	Patient	Parent
Pre-treatment to 1 month	-67%	-72%
Pre-treatment to 6 months	-75%	-77%

Two items were from the Functioning subscale, scored on a 5 point scale where a lower score is more worrisome:

- 2. Getting along with family
- 20. Ability to express feelings

For Getting along with family, the mean score for both patients and parents increased from pre-treatment to 1 month, and from pre-treatment to 6 months. Among patients, the pre-treatment mean was 0.86 (between “extreme troubles” and “quite a few troubles”). It increased to 3.14 (between “ok” and “doing very well”) at 1 month, then to 3.58 at 6 months. For parents, the pre-treatment mean was 0.89 (between “extreme troubles” and “quite a few troubles”), then it increased to 3.29 (between “ok” and “doing very well”) at 1 month and to 3.82 at 6 months. See Appendix 3 for frequency distributions by question and respondent, and Appendix 4 for mean increases.

Table 11: Mean scores

	Getting along with family	
	Patient	Parent
Pre-treatment	0.86	0.89
+ 1 month	3.14	3.29
+ 6 months	3.58	3.82

Table 12: Percent changes in mean between administrations

	Getting along with family	
	Patient	Parent
Pre-treatment to 1 month	+267%	+271%
Pre-treatment to 6 months	+318%	+331%

For Ability to express feelings, the mean score for both patients and parents increased from pre-treatment to 1 month, and from pre-treatment to 6 months. Among patients, the pre-treatment mean was 0.67 (between “extreme troubles” and “quite a few troubles”). It increased to 3.39 (between “ok” and “doing very well”) at 1 month, then to 3.73 at 6 months. For parents, the pre-treatment mean was 0.70 (between “extreme troubles” and “quite a few troubles”), then it increased to 3.53 (between “ok” and “doing very well”) at 1 month and to 3.84 at 6 months. See Appendix 3 for frequency distributions by question and respondent, and Appendix 4 for mean increases.

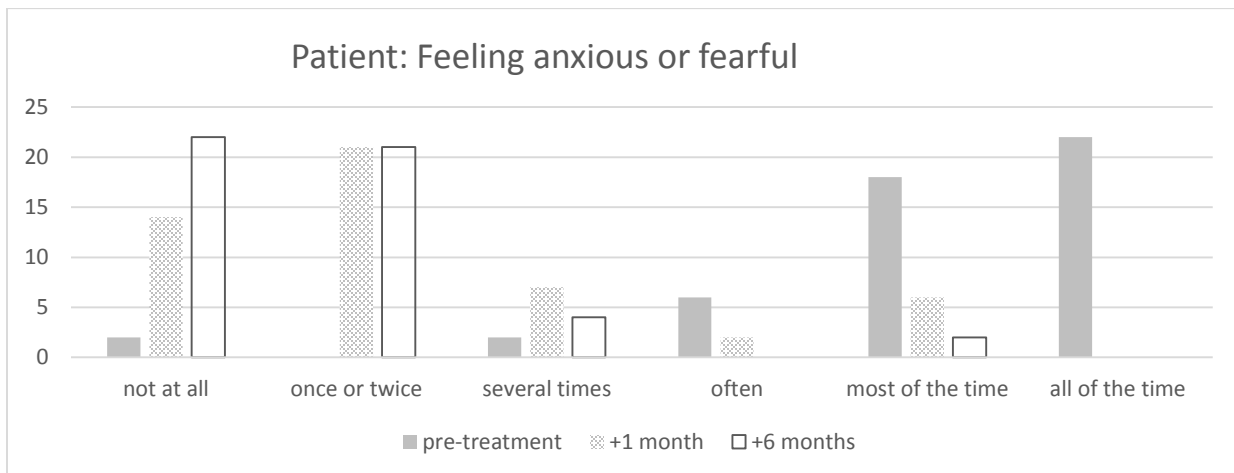
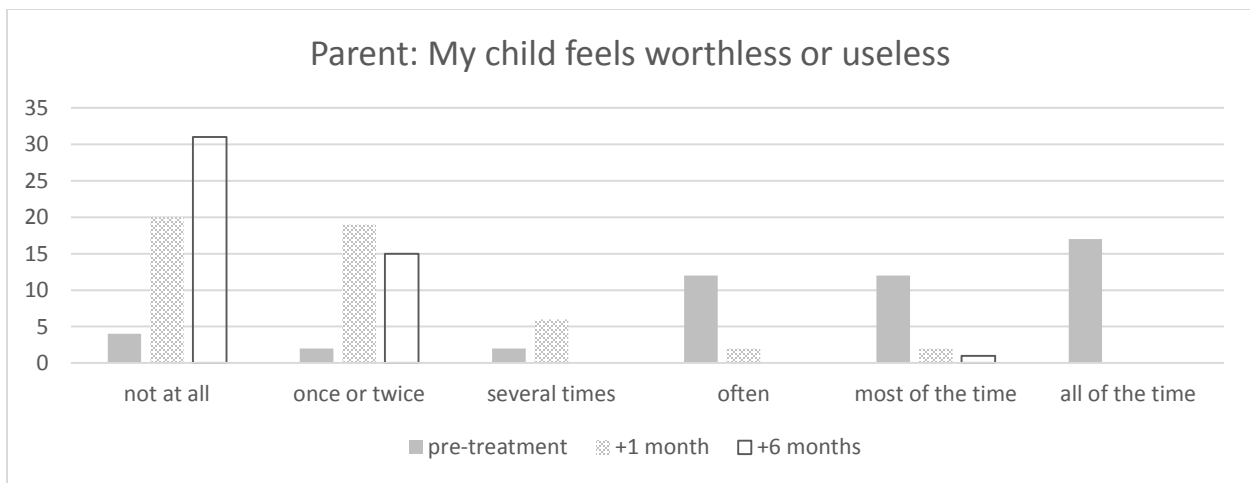
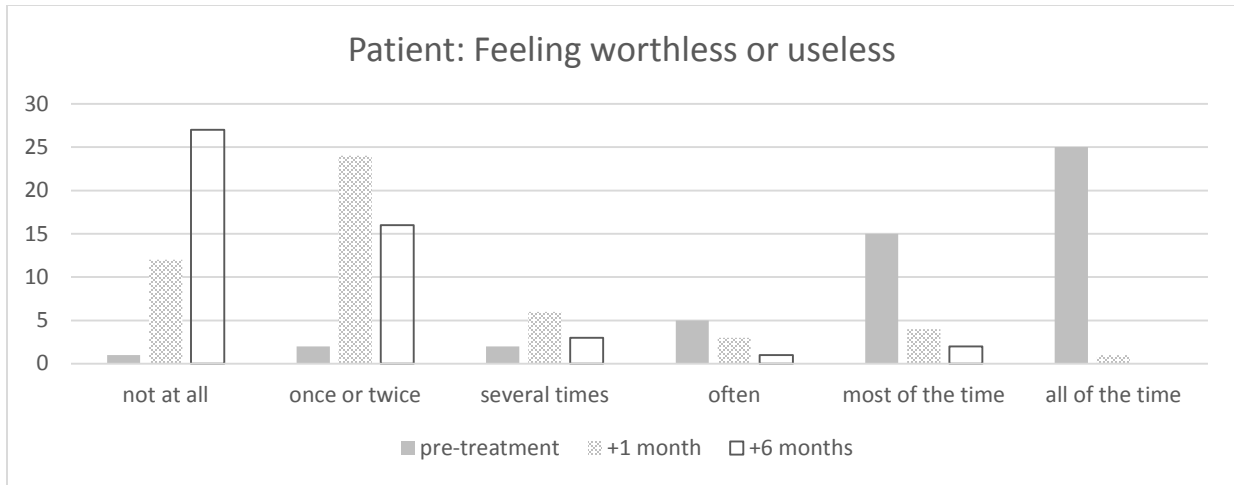
Table 13: Mean scores

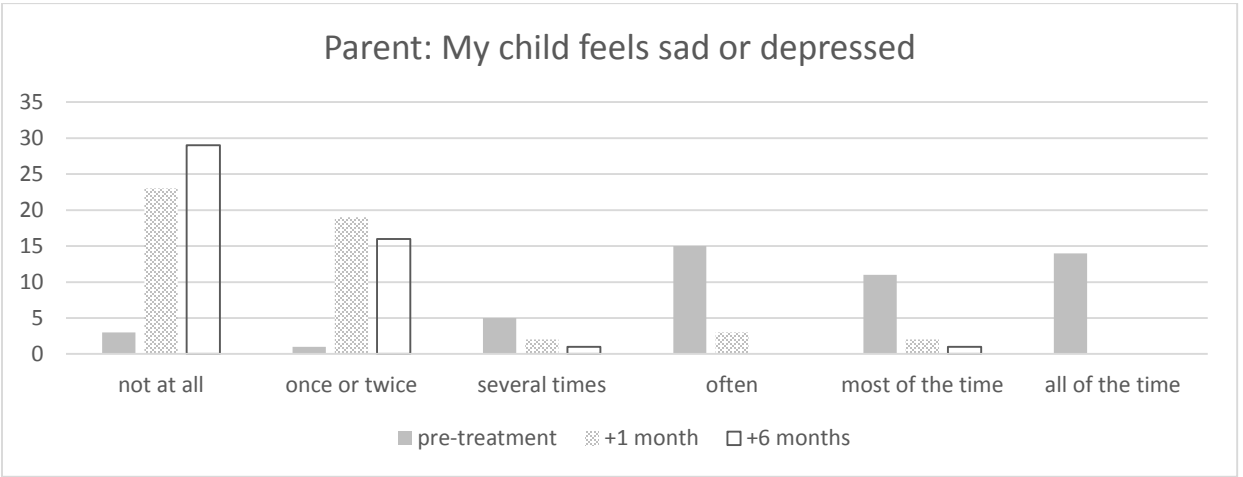
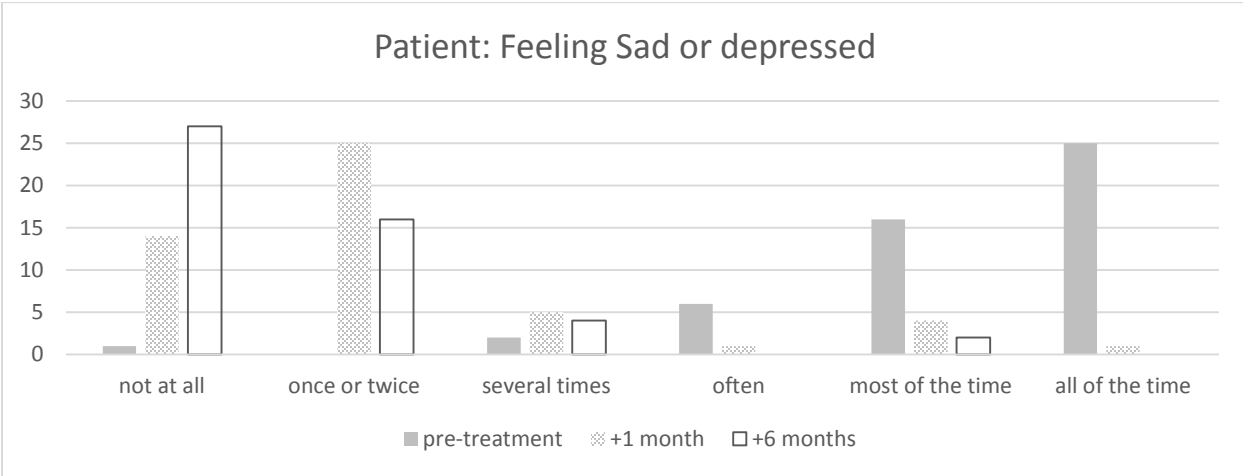
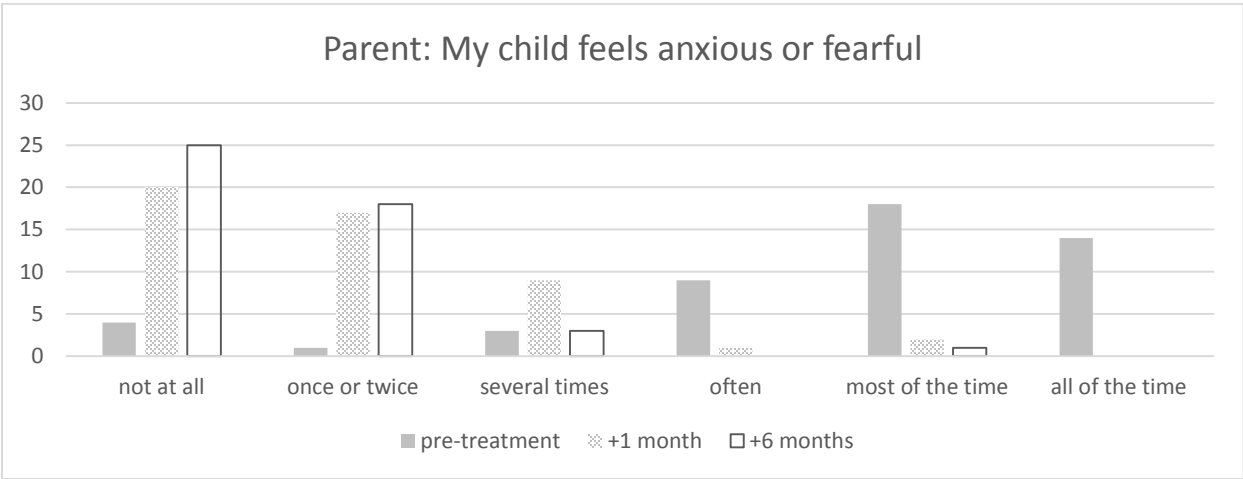
	Ability to express feelings	
	Patient	Parent
Pre-treatment	0.67	0.70
+ 1 month	3.39	3.53
+ 6 months	3.73	3.84

Table 14: Percent changes in mean between administrations

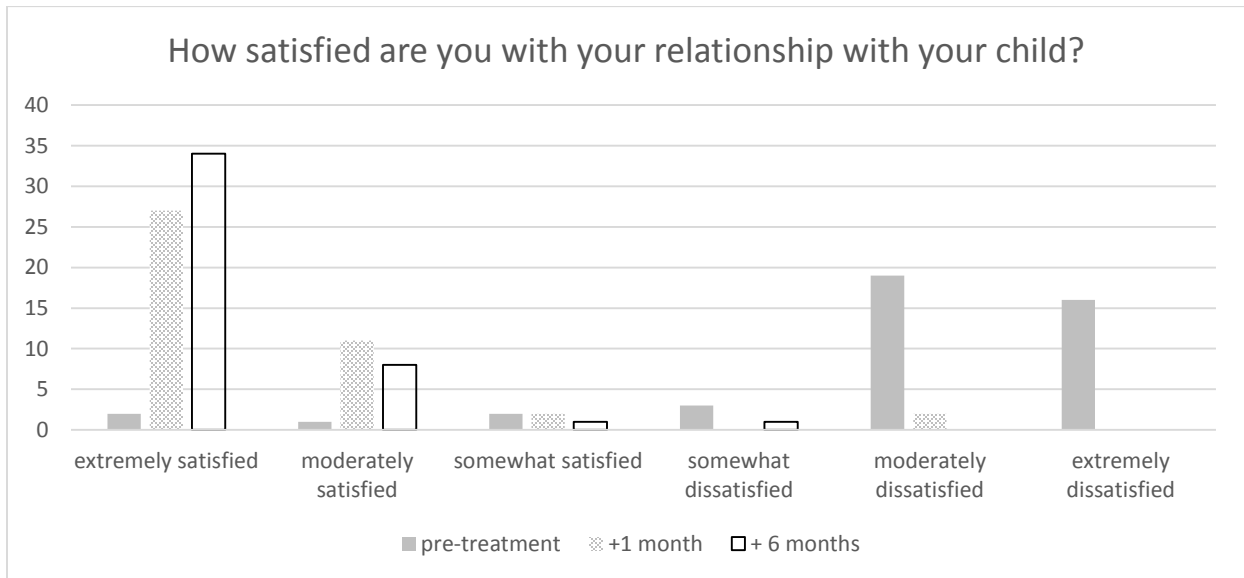
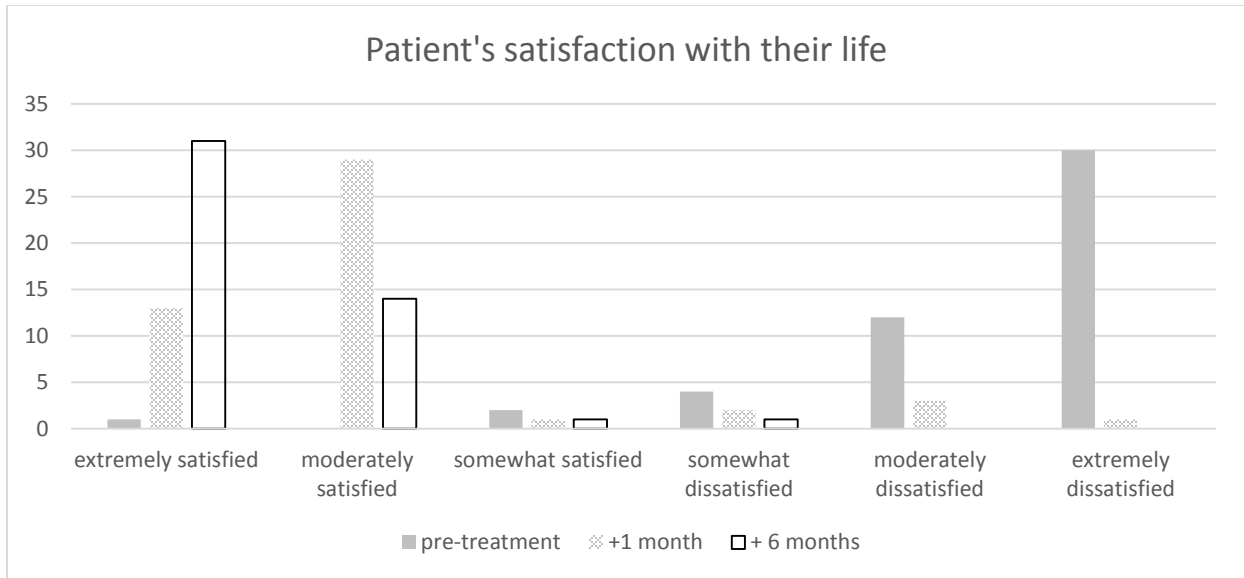
	Ability to express feelings	
	Patient	Parent
Pre-treatment to 1 month	+403%	+402%
Pre-treatment to 6 months	+454%	+445%

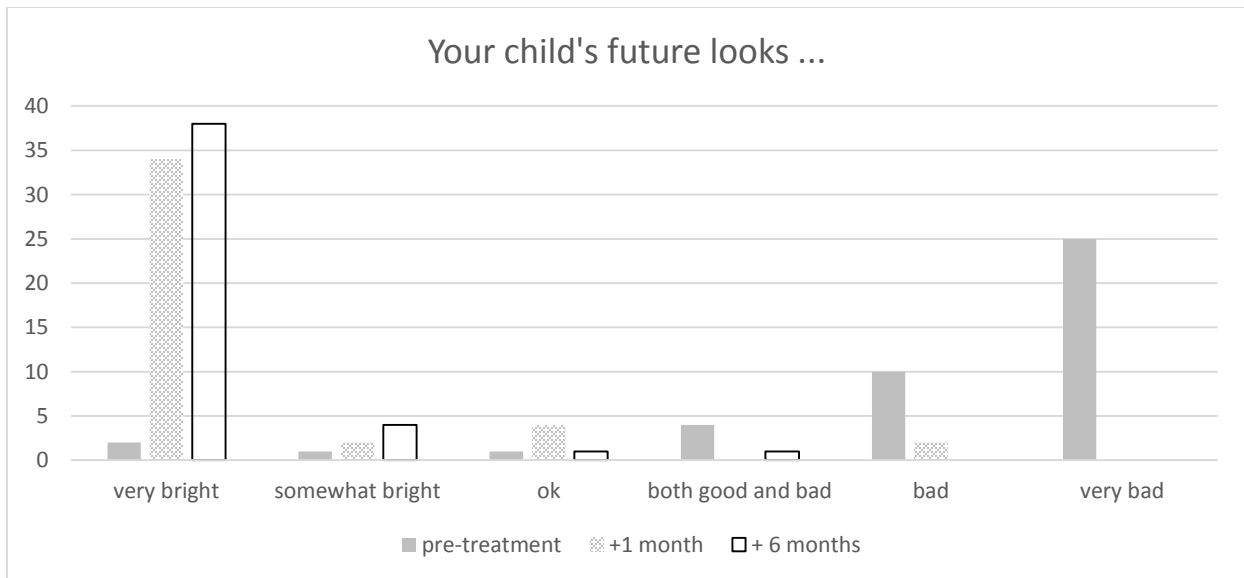
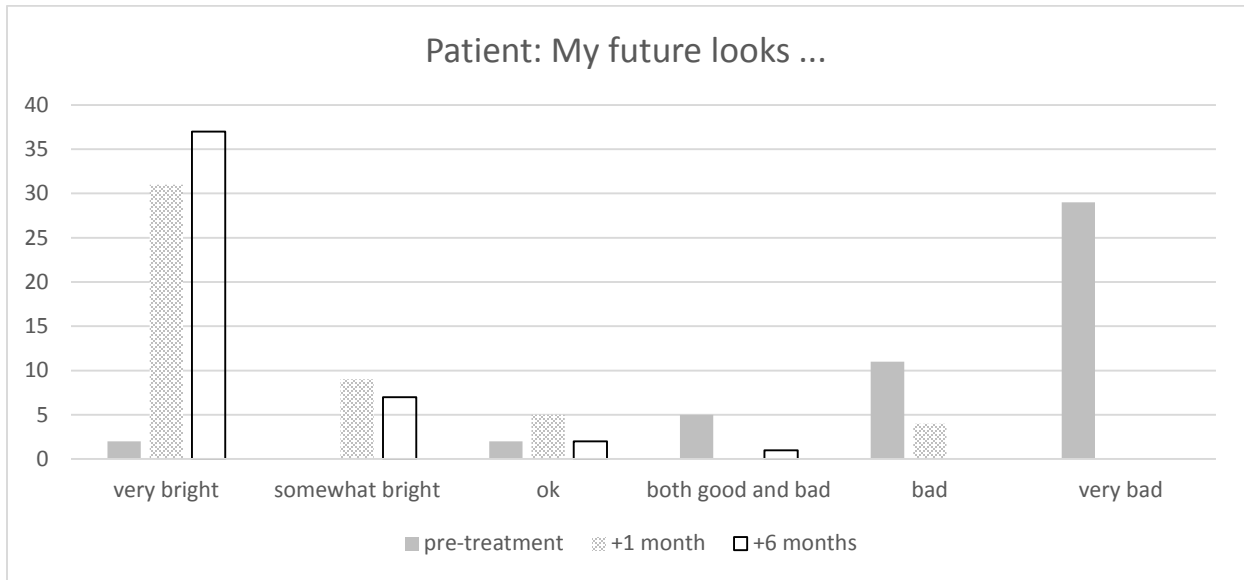
Appendix 1: Frequency distribution of items on the Problem Severity subscale by respondent



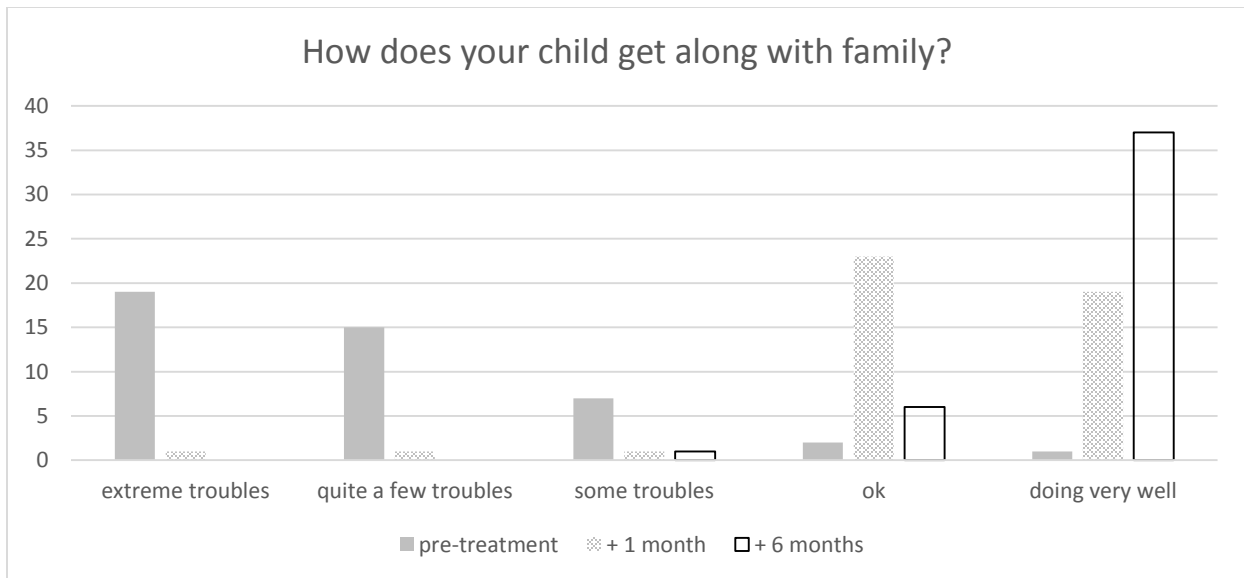
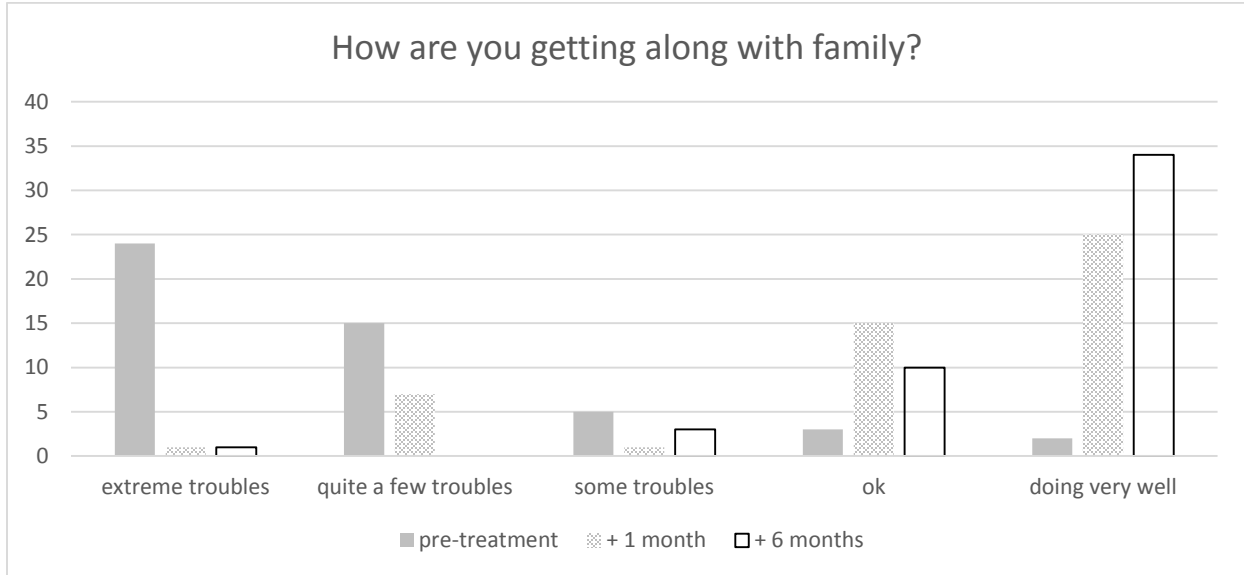


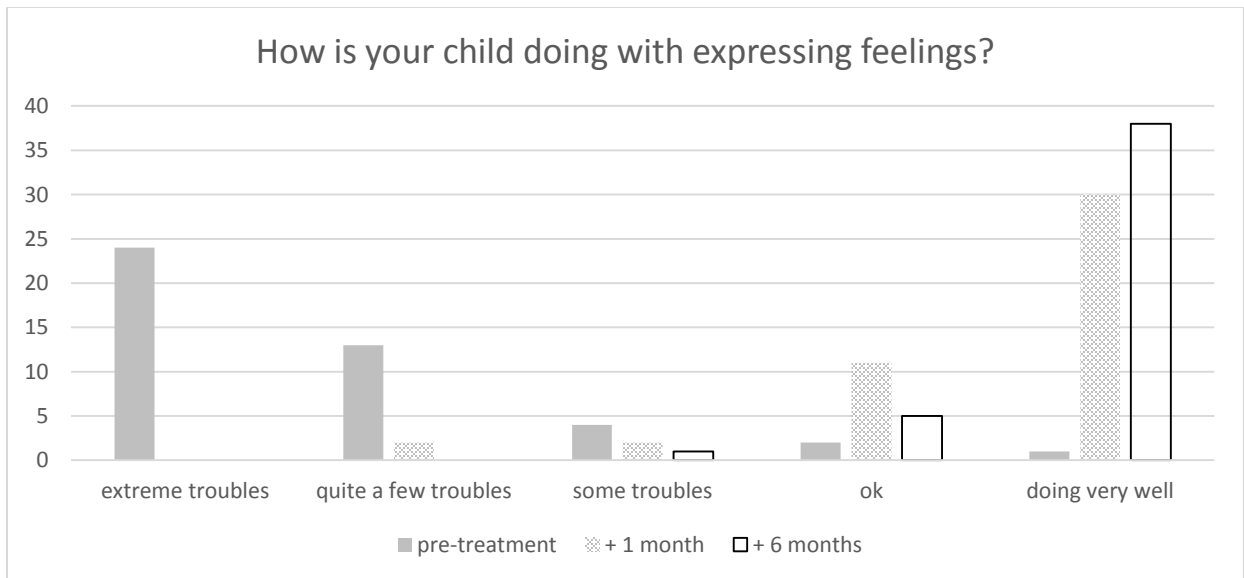
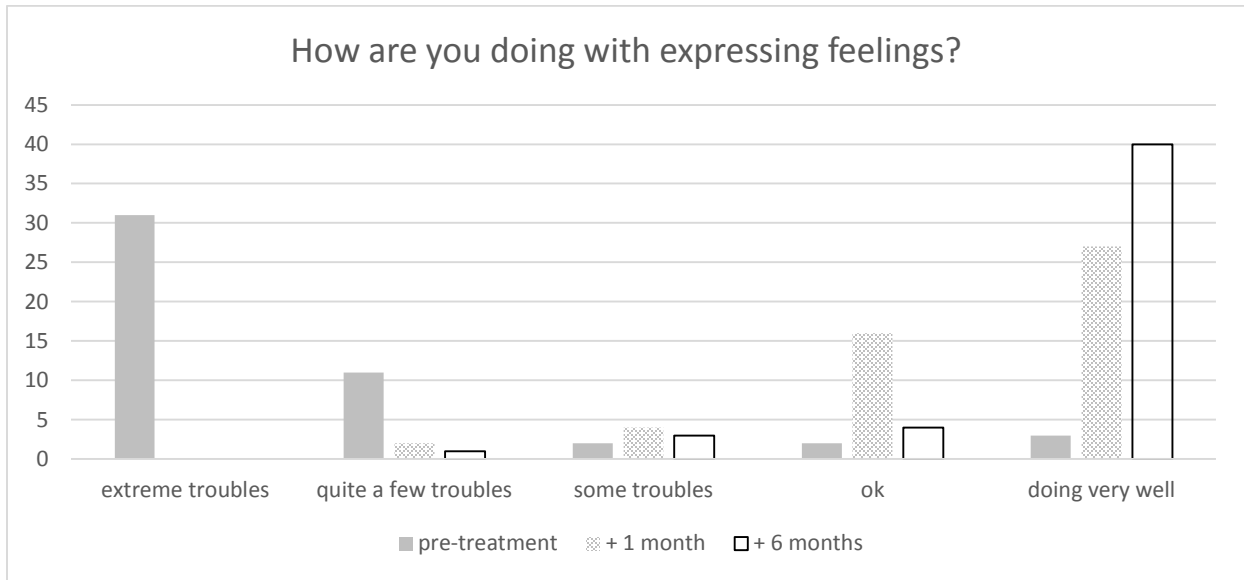
Appendix 2: Frequency distribution of items on the Hopefulness subscale by respondent





Appendix 3: Frequency distribution of items on the Functioning subscale by respondent





Appendix 4: Mean Scores by Respondent Across Administrations

