

Childhood Health Questionnaire

Figure 1: Mean profile plot for CHQ Physical Score (PhS)

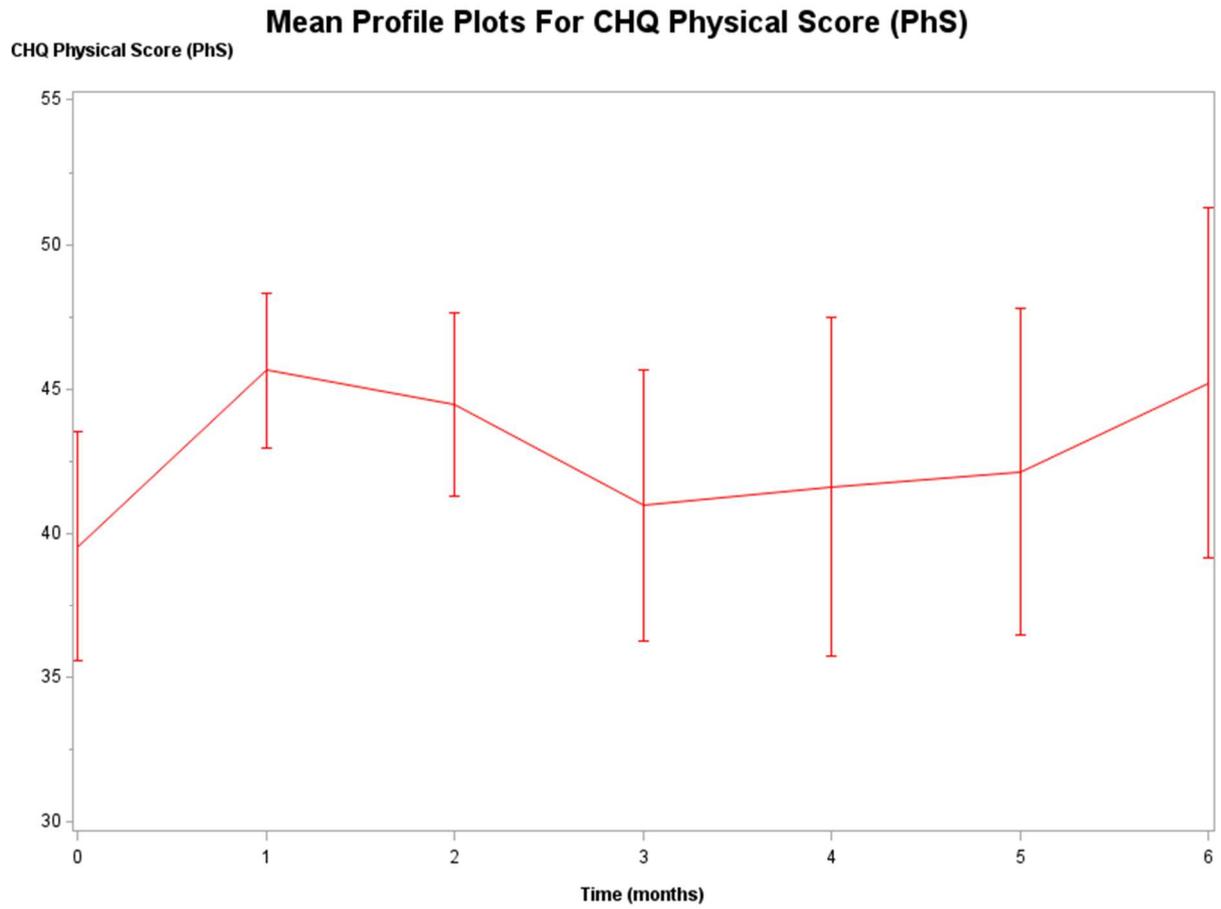


Figure 2: Individual profile plots for CHQ Physical Score (PhS)

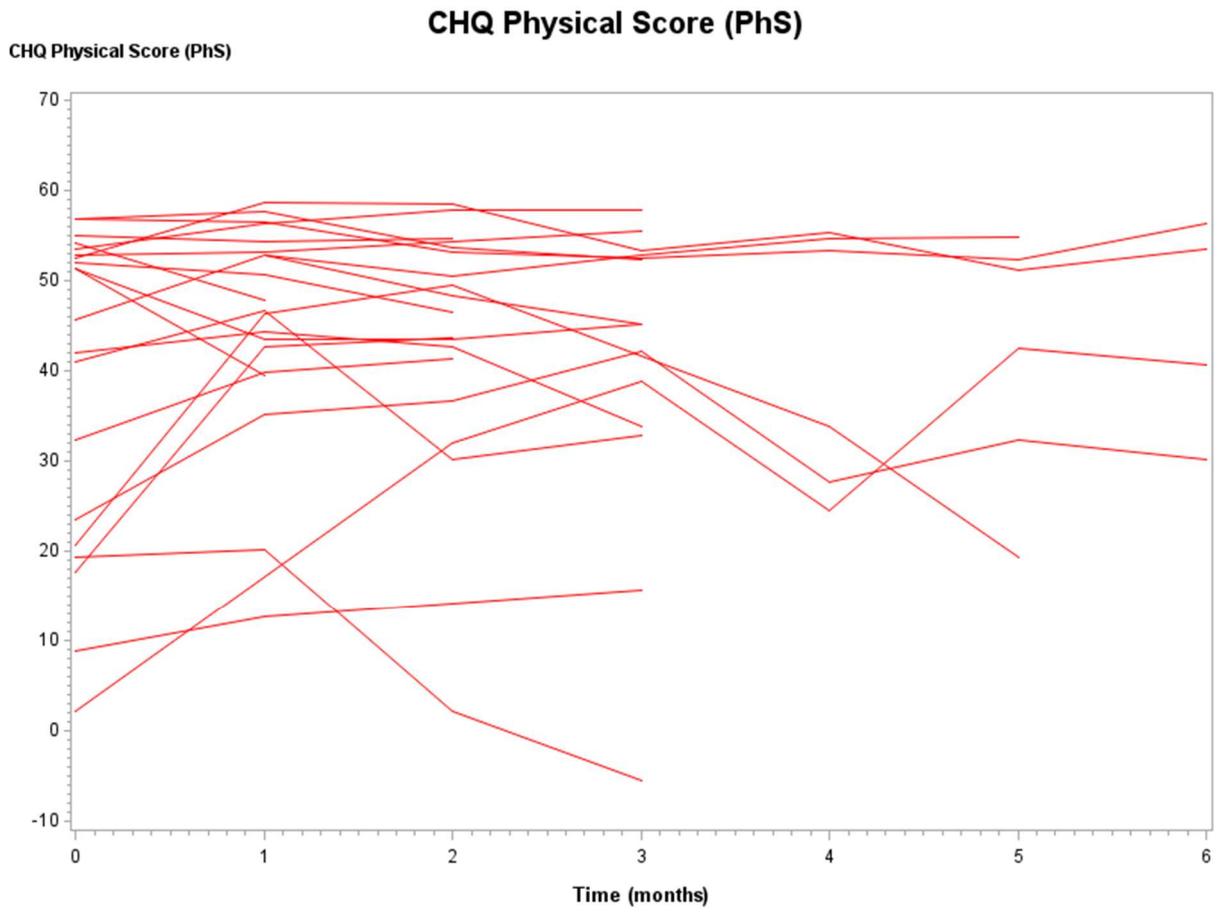


Figure 3: Mean Profile Plot for CHQ Psychosocial Score (PsS)

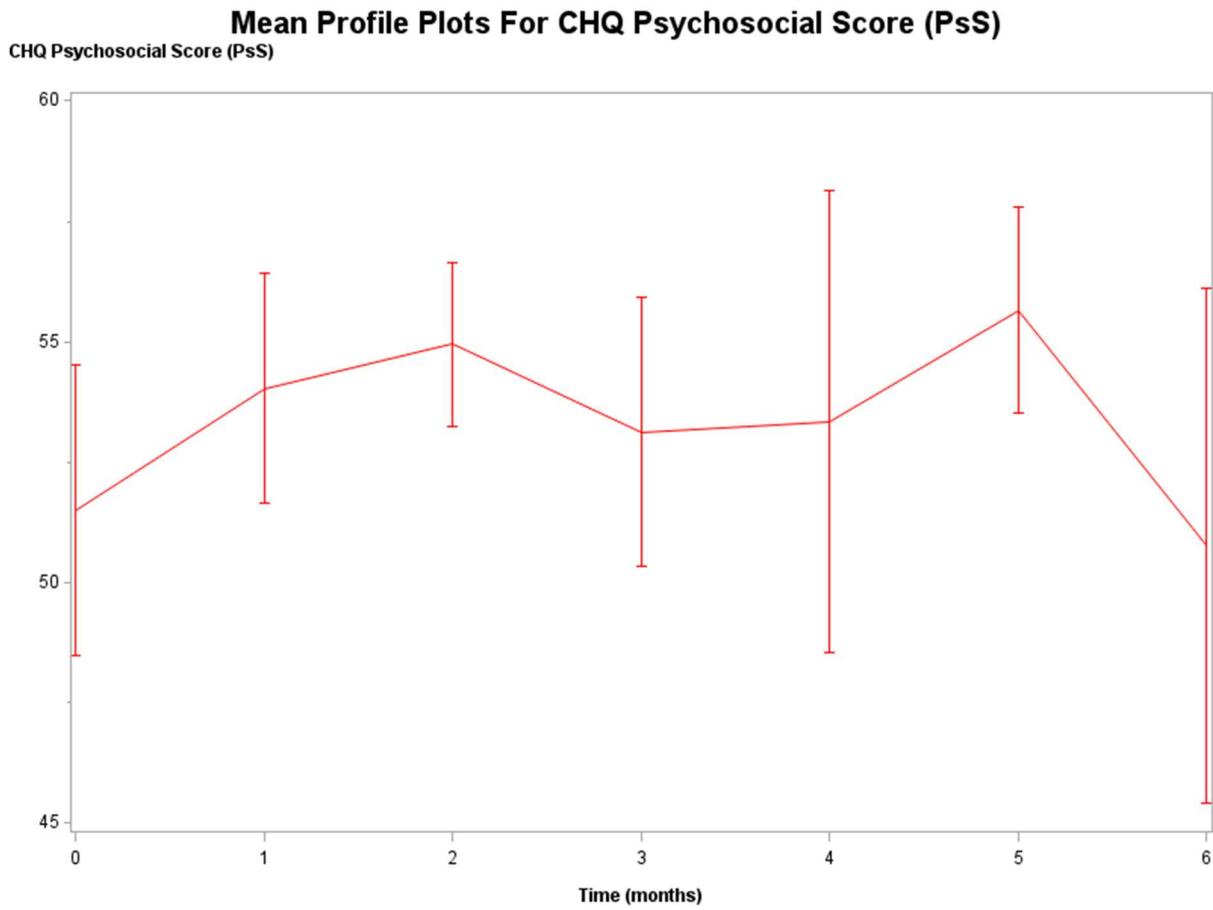


Figure 4: Individual profile plots for CHQ Psychosocial Score (PsS)

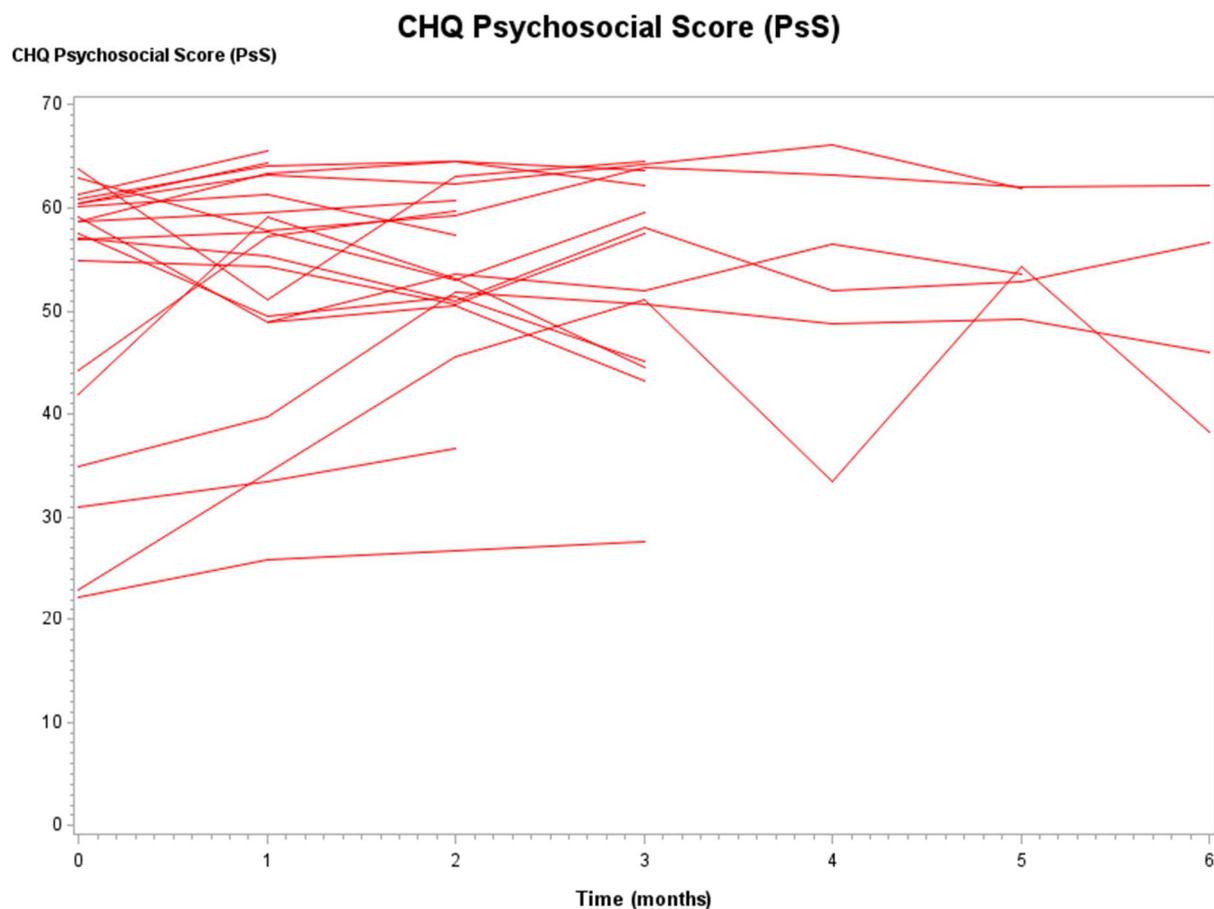


Table 1: CHQ – Physical (PhS) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	20	1	39.55 (17.72)	48.54 (2.19,56.95)
4 weeks	20	1	45.64 (12.03)	47.32 (12.71,58.70)
8 weeks	18	1	44.47 (13.38)	47.44 (2.29,58.53)
12 Weeks	14	1	40.96 (17.55)	45.21 (-5.37,57.93)
16 Weeks	6	0	41.61 (14.43)	43.62 (24.63,55.41)
20 Weeks	6	0	42.12 (13.87)	46.87 (19.41,54.83)
24 Weeks	4	0	45.21 (12.12)	47.12 (30.19,56.44)

Table 2: CHQ – Psychosocial (PsS) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	20	1	51.50 (13.54)	58.06 (22.29,63.81)
4 weeks	20	1	54.03 (10.67)	57.44 (25.89,65.61)
8 weeks	18	1	54.95 (7.24)	53.40 (36.72,64.60)
12 Weeks	14	1	53.13 (10.46)	54.79 (27.58,64.54)
16 Weeks	6	0	53.35 (11.76)	54.26 (33.41,66.14)

20 Weeks	6	0	55.66 (5.23)	53.96 (49.17,62.11)
24 Weeks	4	0	50.77 (10.69)	51.33 (38.30,62.12)

Table 3: CHQ – Global Health (GGH) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	20	1	68.50 (30.35)	85.00 (0.00,100.0)
4 weeks	18	3	77.50 (22.57)	85.00 (30.00,100.0)
8 weeks	18	1	68.61 (23.38)	60.00 (30.00,100.0)
12 Weeks	14	1	63.21 (31.42)	60.00 (0.00,100.0)
16 Weeks	5	1	75.00 (13.69)	85.00 (60.00,85.00)
20 Weeks	6	0	76.67 (12.91)	85.00 (60.00,85.00)
24 Weeks	4	0	82.50 (16.58)	85.00 (60.00,100.0)

Table 4: CHQ – Physical Functioning (PF) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	21	0	79.52 (26.80)	88.89 (11.11,100.0)
4 weeks	20	1	87.22 (18.21)	97.22 (38.89,100.0)
8 weeks	19	0	79.88 (29.97)	100.0 (0.00,100.0)
12 Weeks	14	1	82.54 (27.89)	100.0 (5.56,100.0)
16 Weeks	6	0	72.22 (32.77)	83.33 (33.33,100.0)
20 Weeks	6	0	79.63 (26.45)	86.11 (33.33,100.0)
24 Weeks	4	0	86.11 (16.67)	88.89 (66.67,100.0)

Table 5: CHQ – Role/Social Limitations: Emotional/Behavioural (REB) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	21	0	79.37 (32.83)	100.0 (0.00,100.0)
4 weeks	20	1	88.89 (25.74)	100.0 (0.00,100.0)
8 weeks	19	0	88.30 (27.34)	100.0 (0.00,100.0)
12 Weeks	14	1	87.30 (29.19)	100.0 (0.00,100.0)
16 Weeks	6	0	87.04 (22.68)	100.0 (44.44,100.0)
20 Weeks	6	0	87.04 (26.68)	100.0 (33.33,100.0)
24 Weeks	4	0	86.11 (16.67)	88.89 (66.67,100.0)

Table 6: CHQ – Role/Social limitations: Physical (RP) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	21	0	73.81 (37.48)	100.0 (0.00,100.0)
4 weeks	20	1	89.17 (21.81)	100.0 (16.67,100.0)
8 weeks	19	0	86.84 (29.18)	100.0 (0.00,100.0)
12 Weeks	14	1	85.71 (30.56)	100.0 (0.00,100.0)

16 Weeks	6	0	86.11 (22.15)	100.0 (50.00,100.0)
20 Weeks	6	0	83.33 (27.89)	100.0 (33.33,100.0)
24 Weeks	4	0	87.50 (15.96)	91.67 (66.67,100.0)

Table 7: CHQ – Bodily Pain/Discomfort (BP) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	21	0	67.14 (31.80)	60.00 (10.00,100.0)
4 weeks	20	1	72.00 (25.46)	65.00 (20.00,100.0)
8 weeks	19	0	67.89 (28.00)	70.00 (10.00,100.0)
12 Weeks	15	0	66.67 (31.55)	80.00 (10.00,100.0)
16 Weeks	6	0	78.33 (27.14)	90.00 (40.00,100.0)
20 Weeks	6	0	71.67 (20.41)	75.00 (40.00,100.0)
24 Weeks	4	0	72.50 (27.54)	75.00 (40.00,100.0)

Table 8: CHQ – Behaviour (BE) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	21	0	76.83 (17.51)	80.83 (41.67,100.0)
4 weeks	20	1	82.33 (17.95)	87.50 (38.33,100.0)
8 weeks	19	0	77.58 (17.05)	79.17 (47.50,100.0)
12 Weeks	15	0	81.11 (18.13)	80.83 (47.50,100.0)
16 Weeks	6	0	84.31 (13.13)	81.25 (68.33,100.0)
20 Weeks	6	0	80.97 (14.21)	76.67 (64.17,100.0)
24 Weeks	4	0	82.50 (10.63)	80.00 (72.50,97.50)

Table 9: CHQ – Global Behaviour Item (GBE) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	20	1	82.75 (22.62)	85.00 (0.00,100.0)
4 weeks	20	1	85.25 (19.09)	85.00 (30.00,100.0)
8 weeks	19	0	86.58 (13.75)	85.00 (60.00,100.0)
12 Weeks	15	0	86.67 (19.24)	85.00 (30.00,100.0)
16 Weeks	6	0	97.50 (6.12)	100.0 (85.00,100.0)
20 Weeks	6	0	90.00 (7.75)	85.00 (85.00,100.0)
24 Weeks	4	0	88.75 (7.50)	85.00 (85.00,100.0)

Table 10: CHQ – Mental Health (MH) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	21	0	76.79 (18.86)	80.00 (30.00,100.0)
4 weeks	20	1	83.50 (13.87)	85.00 (55.00,100.0)
8 weeks	19	0	83.16 (11.08)	80.00 (60.00,100.0)

12 Weeks	15	0	79.33 (16.24)	80.00 (45.00,100.0)
16 Weeks	6	0	77.50 (15.08)	80.00 (50.00,95.00)
20 Weeks	6	0	81.67 (10.33)	80.00 (70.00,100.0)
24 Weeks	4	0	68.75 (22.87)	70.00 (40.00,95.00)

Table 11: CHQ – Self Esteem (SE) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	21	0	82.74 (22.56)	91.67 (33.33,100.0)
4 weeks	20	1	77.08 (24.09)	83.33 (4.17,100.0)
8 weeks	18	1	80.32 (19.11)	83.33 (41.67,100.0)
12 Weeks	15	0	85.00 (15.41)	91.67 (50.00,100.0)
16 Weeks	6	0	83.33 (19.18)	91.67 (50.00,100.0)
20 Weeks	6	0	86.11 (11.69)	89.58 (66.67,100.0)
24 Weeks	4	0	78.13 (19.95)	83.33 (50.00,95.83)

Table 12: CHQ – General Health Perceptions (GH) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	20	1	50.58 (18.94)	51.67 (17.50,79.17)
4 weeks	20	1	56.02 (20.49)	53.75 (26.67,95.83)
8 weeks	19	0	51.15 (16.73)	47.50 (25.83,91.67)
12 Weeks	15	0	46.31 (18.58)	51.67 (12.50,68.75)
16 Weeks	6	0	54.31 (13.60)	55.42 (35.00,76.67)
20 Weeks	6	0	52.36 (10.35)	49.58 (39.17,68.33)
24 Weeks	4	0	52.29 (19.29)	51.67 (30.83,75.00)

Table 13: CHQ – Change in Health (CH) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	20	1	3.40 (1.39)	3.00 (1.00, 5.00)
4 weeks	20	1	3.55 (1.15)	3.00 (2.00, 5.00)
8 weeks	19	0	3.53 (0.96)	4.00 (2.00, 5.00)
12 Weeks	15	0	3.47 (1.25)	3.00 (1.00, 5.00)
16 Weeks	6	0	3.17 (0.98)	3.00 (2.00, 5.00)
20 Weeks	6	0	4.33 (0.82)	4.50 (3.00, 5.00)
24 Weeks	3	1	4.00 (1.00)	4.00 (3.00, 5.00)

Table 14: CHQ – Parental Impact: Emotional (PE) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	21	0	72.22 (30.77)	83.33 (0.00,100.0)
4 weeks	20	1	78.54 (26.19)	85.42 (0.00,100.0)

8 weeks	19	0	73.68 (24.10)	75.00 (0.00,100.0)
12 Weeks	15	0	75.00 (28.35)	83.33 (0.00,100.0)
16 Weeks	6	0	69.44 (36.00)	83.33 (16.67,100.0)
20 Weeks	6	0	81.94 (14.35)	83.33 (58.33,100.0)
24 Weeks	4	0	72.92 (32.90)	79.17 (33.33,100.0)

Table 15: CHQ – Parental Impact: Time (PT) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	21	0	82.01 (30.12)	100.0 (0.00,100.0)
4 weeks	20	1	90.00 (23.61)	100.0 (11.11,100.0)
8 weeks	19	0	87.72 (24.82)	100.0 (0.00,100.0)
12 Weeks	15	0	80.74 (30.42)	100.0 (0.00,100.0)
16 Weeks	6	0	83.33 (19.56)	88.89 (55.56,100.0)
20 Weeks	6	0	90.74 (14.77)	100.0 (66.67,100.0)
24 Weeks	4	0	88.89 (12.83)	88.89 (77.78,100.0)

Table 16: CHQ – Family Activities (FA) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	21	0	81.45 (23.46)	87.50 (16.67,100.0)
4 weeks	20	1	85.63 (21.69)	100.0 (33.33,100.0)
8 weeks	19	0	82.89 (20.12)	91.67 (29.17,100.0)
12 Weeks	15	0	81.39 (23.62)	95.83 (33.33,100.0)
16 Weeks	6	0	83.33 (21.57)	89.58 (45.83,100.0)
20 Weeks	6	0	84.03 (18.71)	89.58 (58.33,100.0)
24 Weeks	4	0	80.21 (14.18)	77.08 (66.67,100.0)

Table 17: CHQ – Family Cohesion (FC) – Summary Statistics

Visit	n	Missing	Mean (SD)	Median (range)
Baseline	21	0	85.71 (17.41)	85.00 (30.00,100.0)
4 weeks	20	1	84.50 (18.77)	85.00 (30.00,100.0)
8 weeks	19	0	81.05 (20.32)	85.00 (30.00,100.0)
12 Weeks	15	0	83.00 (13.34)	85.00 (60.00,100.0)
16 Weeks	6	0	77.50 (19.94)	72.50 (60.00,100.0)
20 Weeks	6	0	81.67 (18.07)	85.00 (60.00,100.0)
24 Weeks	4	0	82.50 (16.58)	85.00 (60.00,100.0)

Joint modelling of CHQ score and time to treatment failure

Number of observations: 63

Number of subjects: 20

Number of subjects that fail: 14 (70.0%)

	Parameter	Physical			Psychosocial		
		Estimate	95% CI	p-value	Estimate	95% CI	p-value
Primary analysis	Association	-0.07	-0.31, -0.03	0.318	-0.06	-0.25, 0.10	0.546
	Time	-1.55	-3.68, 0.04	0.086	0.14	-0.67, 0.82	0.695
Sensitivity analysis	Association	-0.07	-0.24, -0.04	0.144	-0.06	-0.19, 0.16	0.421
	Time	-1.15	-3.33, 0.50	0.204	0.17	-0.39, 0.75	0.578