

Multimedia Appendix – Additional Tables

Table 5. Outcome scores at all four study points.^a

	Factor 1: Chat-based communication		Factor 2: Length	
	no	yes	28 days	50 days
Cannabis use (days)^{b,c}				
Baseline (n=534)	24.7 (7.3)	25.1 (6.5)	24.9 (7.0)	24.9 (6.8)
3 months (n=252)	8.4 (9.7)	7.8 (10.2)	8.9 (10.4)	7.4 (9.5)
6 months (n=204)	8.8 (10.1)	8.5 (10.5)	10.2 (11.0)	7.4 (9.5)
12 months (n=135)	10.3 (11.3)	8.3 (11.3)	10.8 (12.0)	8.0 (10.6)
Cannabis use (number of events)^{b,c}				
Baseline (n=534)	122.2 (111.6)	120.1 (104.1)	123.4 (108.9)	118.9 (106.8)
3 months (n=252)	22.3 (33.2)	17.2 (27.8)	21.3 (32.0)	18.3 (29.5)
6 months (n=204)	27.6 (45.7)	24.3 (43.0)	30.4 (46.6)	22.5 (42.3)
12 months (n=135)	36.3 (56.2)	26.8 (49.2)	38.7 (58.2)	25.3 (47.2)
Cannabis quantity (grams)^{b,c}				
Baseline (n=534)	23.1 (18.7)	21.3 (18.6)	23.1 (19.6)	21.3 (17.8)
3 months (n=252)	5.8 (8.7)	3.7 (5.4)	5.2 (7.8)	4.3 (6.7)
6 months (n=204)	5.6 (7.9)	4.9 (7.5)	6.4 (9.1)	4.4 (6.2)
12 months (n=135)	6.1 (9.2)	6.6 (10.4)	7.4 (10.7)	5.6 (9.1)
Cannabis dependence (SDS)^b				
Baseline (n=534)	9.9 (2.8)	10.0 (2.7)	10.1 (2.5)	9.8 (2.9)
3 months (n=252)	7.0 (3.6)	6.5 (3.6)	6.7 (3.3)	6.8 (3.8)
6 months (n=204)	5.3 (3.4)	5.0 (4.0)	5.4 (3.5)	4.9 (3.8)
12 months (n=135)	5.3 (3.7)	5.2 (4.3)	5.9 (3.7)	4.7 (4.2)
Working alliance (WAI-sr)^b				
3 months (n=252)	3.6 (1.0)	3.8 (0.8)	3.7 (0.9)	3.6 (0.9)
Treatment satisfaction (CSQ-8)^b				
3 months (n=252)	2.1 (0.7)	2.3 (0.6)	2.2 (0.6)	2.2 (0.6)

^a Results of the non-imputed dataset.

^b Mean (SD)

^c During the past 30 days.

Table 6. Group comparisons and interactions between both factors.^a

	Group difference: Chat no vs. yes ^b			Group difference: 28 vs. 50 days ^b			Interaction Factor 1 x Factor 2 x Time ^e	
	Beta (95% CI)	P value	Effect size d (95% CI)	Beta (95% CI)	P value	Effect size d (95% CI)	Beta (95% CI)	P value
Cannabis use (days)^{c,d}								
Baseline	-0.02 (-0.21; 0.17)	.83		-0.10 (-0.29; 0.09)	.29		-0.11 (-0.39; 0.17)	.45
3 months			0.12 (-0.14 to 0.37)			0.15 (-0.11 to 0.40)		
6 months			0.09 (-0.19 to 0.37)			0.26 (-0.02 to 0.54)		
12 months			0.23 (-0.12 to 0.59)			0.25 (-0.11 to 0.60)		
Cannabis use (number of events)^{c,d}								
Baseline	-0.03 (-0.37; 0.31)	.86		-0.10 (-0.40; 0.21)	.53		-0.19 (-0.64; 0.26)	.41
3 months			0.15 (-0.11 to 0.40)			0.06 (-0.20 to 0.31)		
6 months			0.05 (-0.23 to 0.33)			0.13 (-0.15 to 0.42)		
12 months			0.16 (-0.19 to 0.51)			0.21 (-0.14 to 0.56)		
Cannabis use (grams)^{c,d}								
Baseline	0.05 (-0.23; 0.33)	.73		-0.06 (-0.33; 0.21)	.65		-0.11 (-0.49; 0.28)	.59
3 months			0.19 (-0.06 to 0.45)			0.02 (-0.23 to 0.28)		
6 months			0.00 (-0.28 to 0.27)			0.16 (-0.12 to 0.44)		
12 months			-0.14 (-0.49 to 0.20)			0.08 (-0.27 to 0.43)		
Cannabis dependence (SDS)^c								

Baseline	-0.03 (-0.12; 0.07)	.56		-0.06 (-0.15; 0.04)	.23		0.03 (-0.11; 0.17)	.66
3 months			0.17 (-0.08 to 0.43)			-0.15 (-0.41 to 0.10)		
6 months			0.12 (-0.16 to 0.40)			0.00 (-0.28 to 0.28)		
12 months			0.04 (-0.31 to 0.39)			0.17 (-0.18 to 0.52)		
Working alliance (WAI-sr)^c								
3 months	0.49 (0.16; 0.83)	.004	0.23 (-0.03 to 0.49)	0.21 (-0.12; 0.53)	.22	-0.12 (-0.37 to 0.14)	-0.55 (-1.00; -0.10)	.02
Treatment satisfaction (CSQ-8)^c								
3 months	0.47 (0.24; 0.69)	<.001	0.41 (0.16 to 0.67)	0.19 (-0.03; 0.42)	.09	-0.05 (-0.31 to 0.20)	-0.41 (-0.72; -0.10)	.01

^a ITT analyses of the non-imputed dataset.

^b Between-group comparisons were conducted with the interaction of each factor with time, except for the effects on WAI-sr and CSQ-8 which were analyzed with the main effect of each factor.

^c Mean (SD)

^d During the past 30 days.

^e Effects on WAI-sr and CSQ-8 were analyzed with the interaction between Factor 1 and Factor 2

Table 7. Per-group-scores of working alliance & treatment satisfaction in the non-imputed dataset

Working alliance (WAI-sr), Mean (SD)

		Factor 2: Intervention length	
		50 days	28 days
Factor 1: Chat-based counselling	yes	3.6 (0.9) (n=68)	4.0 (0.7) (n=58)
	no	3.6 (1.0) (n=67)	3.5 (1.0) (n=59)

Treatment satisfaction (CSQ-8), Mean (SD)

		Factor 2: Intervention length	
		50 days	28 days
Factor 1: Chat-based counselling	yes	2.2 (0.7) (n=68)	2.4 (0.5) (n=58)
	no	2.1 (0.7) (n=67)	2.0 (0.7) (n=59)

Table 8. Within-group effect sizes^a

	Main effects of time ^b			Main effects of time ^b		
	Beta (95% CI)	P value	Effect size d	Beta (95% CI)	P value	Effect size d
Cannabis use (days)^{d,e}	-0.34 (-0.45; -0.23)	< .001	1.92	-0.40 (-0.52; -0.27)	< .001	2.03
Cannabis use (number of events)^{d,e}	-0.51 (-0.68; -0.34)	< .001	1.14	-0.65 (-0.87; -0.43)	< .001	1.01
Cannabis use (grams)^{d,e}	-0.46 (-0.61; -0.32)	< .001	1.06	-0.64 (-0.83; -0.44)	< .001	1.00
Cannabis dependence (SDS)^d	-0.21 (-0.26; -0.15)	< .001	1.16	-0.23 (-0.29; -0.17)	< .001	1.31

^a Difference between Baseline and the 3 months-follow up.

^b Results of the imputed datasets.

^c Results of the non-imputed dataset.

^d Mean (SD)

^e During the past 30 days.