

Multimedia Appendix 2. Estimated marginal means (s.e.) from MMRM for primary and secondary outcomes at each time point for the intervention condition (LwDT) estimated from mixed-model repeated measures analyses.

	Living with Deadly Thoughts (intervention)				Living Well (control)				Condition × time effect		
	Baseline	Post-intervention	6 months	12 months	Baseline	Post-intervention	6 months	12 months	F	df	p
	n = 207	n = 109	n = 69	n = 68	n = 211	n = 117	n = 76	n = 73			
Primary outcome											
Severity (C-SSRS)	15.68 (0.21)	13.14 (0.42)	12.14 (0.56)	12.43 (0.55)	14.85 (0.22)	13.00 (0.41)	11.98 (0.53)	11.33 (0.53)	0.89	3, 182.56	0.445
Secondary outcomes											
Suicidality											
Ideation (C-SSRS)	3.11 (0.08)	2.43 (0.15)	2.02 (0.18)	2.06 (0.19)	3.00 (0.08)	2.16 (0.15)	1.99 (0.18)	1.69 (0.19)	0.75	3, 182.81	0.523
Behaviour (C-SSRS)	1.42 (0.12)	0.87 (0.13)	1.10 (0.15)	0.87 (0.17)	1.43 (0.12)	1.02 (0.13)	1.04 (0.14)	1.07 (0.16)	0.59	3, 191.69	0.622
Ideation (SIDAS)	28.03 (0.71)	21.48 (1.04)	17.41 (1.53)	16.38 (1.39)	25.37 (0.70)	20.41 (1.02)	18.88 (1.48)	15.99 (1.36)	1.44	3, 174.14	0.232
Reasons for living (BRFL)	37.8 (0.79)	38.01 (1.02)	39.28 (1.23)	37.66 (1.20)	37.42 (0.78)	37.01 (1.00)	36.86 (1.18)	36.17 (1.17)	0.70	3, 181.00	0.553
Burdensomeness (INQ)	25.69 (0.68)	22.93 (0.84)	21.07 (1.10)	19.26 (1.02)	24.56 (0.68)	21.23 (0.82)	20.12 (1.05)	19.84 (0.99)	0.95	3, 175.58	0.418
Belongingness (INQ)	28.06 (0.50)	25.79 (0.72)	24.46 (1.00)	24.83 (0.95)	28.26 (0.49)	27.08 (0.70)	24.85 (0.95)	24.53 (0.92)	0.63	3, 184.53	0.596
Capability (ACSS)	10.63 (0.31)	11.01 (0.40)	11.06 (0.44)	10.43 (0.46)	10.79 (0.31)	10.82 (0.40)	11.14 (0.43)	10.92 (0.45)	0.49	3, 172.01	0.689
Symptomatology											
Depression (CES-D)	40.82 (0.67)	33.05 (1.12)	31.22 (1.49)	30.9 (1.40)	39.72 (0.66)	32.58 (1.09)	29.35 (1.41)	31.68 (1.36)	0.63	3, 188.13	0.594
Hopelessness (BHS)	13.11 (0.34)	11.26 (0.51)	9.90 (0.69)	9.40 (0.65)	12.54 (0.33)	9.85 (0.50)	9.20 (0.65)	9.24 (0.63)	0.61	3, 188.75	0.609
Anxiety (GAD-7)	13.40 (0.35)	11.73 (0.50)	11.65 (0.59)	9.88 (0.59)	13.14 (0.35)	11.17 (0.49)	10.23 (0.56)	11.29 (0.57)	3.95	3, 191.75	0.009
Panic (PHQ-Panic)	3.03 (0.15)	2.70 (0.20)	2.87 (0.24)	2.56 (0.25)	3.10 (0.15)	2.68 (0.20)	2.20 (0.23)	2.39 (0.24)	1.75	3, 193.00	0.159
Rumination (RRS)	27.21 (0.42)	26.48 (0.54)	25.75 (0.65)	25.9 (0.63)	26.60 (0.42)	26.00 (0.53)	24.52 (0.62)	24.10 (0.61)	0.81	3, 183.64	0.491
Alcohol (AUDIT-C)	3.13 (0.21)	2.88 (0.22)	3.11 (0.24)	2.71 (0.27)	3.02 (0.20)	3.06 (0.22)	3.20 (0.23)	3.27 (0.26)	1.78	3, 162.25	0.153
Sleep (ISI)	15.44 (0.41)	13.60 (0.58)	13.46 (0.71)	12.11 (0.68)	15.26 (0.41)	14.16 (0.57)	13.96 (0.68)	13.37 (0.66)	0.95	3, 183.79	0.418
Quality of life											
Physical health (SF-12-PHS)	40.14 (0.45)	19.31 (0.61)	52.28 (0.52)	52.12 (0.54)	41.19 (0.45)	40.14 (0.45)	51.91 (0.52)	51.88 (0.54)	0.90	3, 416.00	0.443
Mental health (SF-12-MHS)	35.89 (0.41)	49.40 (0.85)	53.58 (0.79)	53.93 (0.76)	36.21 (0.41)	49.70 (0.84)	52.97 (0.79)	53.67 (0.75)	0.29	3, 416.00	0.835
Physical functioning (WHODAS)	40.98 (1.29)	33.95 (1.76)	34.55 (2.21)	31.2 (2.05)	39.05 (1.28)	34.13 (1.72)	33.13 (2.17)	32.92 (2.00)	0.99	3, 171.73	0.399

All values are estimated marginal mean (s.e.), from mixed-model repeated measures analyses. ACSS, Acquired Capability for Suicide Scale; AUDIT-C = Alcohol Use Disorders Identification Test Consumption; BHS, Burns Hopelessness Scale; BRFL, Brief Reasons for Living Scale; C-SSRS, Columbia Suicide Severity Rating Scale; CES-D, Center for Epidemiologic Studies Depression Scale; GAD-7 = 7-item Generalized Anxiety Disorder scale; INQ, Interpersonal Needs Questionnaire; ISI, Insomnia Severity Index; PHQ-Panic, panic syndrome subscale of the Brief Patient Health Questionnaire; RRS, Rumination Response Scale; SF12-MCS, Short Form-12 Mental Health Composite Scale; SF-12-PHS, Short Form-12 Physical Health Composite Scale; SIDAS, Suicidal Ideation Attributes Scale; WHODAS, World Health Organization Disability Assessment Schedule.