Multimedia Appendix 1 Cluster label and component BCTs AU, % (SE) (Michie et al, 2013)

(T) 2CI	reduled consequences 91 (.004)	(8) reedback and monitoring 97 (.002)
	Punishment [14.2]	Feedback on behavior [2.2]
	Response cost [14.1]	Biofeedback [2.6]
	Chaining [14.5]	Other(s) monitoring with awareness [2.1 and
	Extinction [14.3]	2.5]
	Discrimination training [14.6]	Self-monitoring of outcome of behavior [2.4]
	Shaping [14.4]	Self-monitoring of behavior [2.3]
	Negative reinforcement [14.10]	(9) Goals and planning 90 (.002)
	Counter-conditioning [14.7]	Action planning (including implementation
	Thinning [14.9]	intentions)
	Differential reinforcement [14.8]	[1.4]
/2\ Pa	ward and threat 90 (.005)	Problem solving/coping planning [1.2]
(2) NE	Social reward [10.4]	Commitment [1.9]
		Goal setting (outcome) [1.3]
	Material reward [10.2]	
	Self-reward [10.9]	Behavioral contract [1.8]
	Non-specific reward [10.3]	Discrepancy between current behavior and
	Threat [10.11]	goal
	Anticipation of future rewards or removal	
	punishment [14.10]	Goal setting (behavior) [1.1]
	Incentive [10.1]	Review behavior goal(s) [1.5]
(3) Re	petition and substitution 97 (.002)	Review of outcome goal(s) [1.7]
	Behavior substitution [8.2]	(10) Social support 100 (.001)
	Habit reversal [8.4]	Social support (practical) [3.2]
	Habit formation [8.3]	Social support (general) [3.1]
	Graded tasks [8.7]	Social support (emotional) [3.3]
	Overcorrection [8.5]	(11) Comparison of behavior 83 (.006)
	Behavioral rehearsal/practice [8.1]	Modeling of the behavior [6.1]
	Generalization of a target behavior [8.6]	Information about others' approval [6.3]
(4) An	tecedents 96 (.002)	Social comparison [6.2]
	Restructuring the physical environment [1	
	Restructuring the social environment [12.2	Mental rehearsal of successful performance
	Avoidance/changing exposure to cues for	[15.2]
	behavior	Self-talk [15.4]
	[12.3]	Focus on past success [15.3]
	Distraction [12.4]	Verbal persuasion to boost self-efficacy [15.1]
(5) As	sociations 97 (.002)	(13) Comparison of outcomes 90 (.005)
	Discriminative (learned) cue [7.2]	Persuasive argument [9.1]
	Time out [7.4]	Pros and cons [9.2]
	Escape learning [7.5]	Comparative imagining of future outcomes
	Satiation [7.6]	[9.3]
	Exposure [7.7]	(14) Identity 86 (.006)
	Classical conditioning [7.8]	Identification of self as role model [13.1]
	Fading [7.3]	Self-affirmation [13.4]
	Prompts/cues [7.1]	Identity associated with changed behavior
(6) Co	vert learning 73 (.008)	[13.5]
(0) 00	Vicarious reinforcement [16.3]	Reframing [13.2]
	Covert sensitization [16.1]	Cognitive dissonance [13.3]
	Covert conditioning [16.2]	(15) Shaping knowledge 95 (.003)
(7) Na	tural consequences 85 (.006)	Reattribution [4.3]
(/) IVa	Cluster label and component BCTs AU, %	Antecedents [4.2]
	(SE)	
		Behavioral experiments [4.4]
	Health consequences [5.1]	Instruction on how to perform a behavior [4.1]
	Social and environmental consequences [5	(20) 1108411411011
	Salience of consequences [5.2]	Regulate negative emotions [11.2]
	Emotional consequences [5.6]	Conserving mental resources [11.3]
	Self-assessment of affective consequences	Pharmacological support [11.1]
	[5.4]	Paradoxical instructions [11.4]
	Anticipated regret [5.5]	• •