CONTENTS

Preface Acknowledgements		ix
		xi
1	An overview of the theory	1
	Context	4
	Limitations of the existing theories	5
	Core elements of CEOS	12
	Conceptual underpinnings	14
	The generation of behaviour	17
	Capacity of the ES	19
	Initiation versus maintenance of behaviour	20
	The relationships between the two systems	21
	Story creation within the ES	22
	Biological constraints	22
	Elaboration of CEOS theory	24
	References	26
2	Characteristics of hard-to-maintain behaviours	31
	Types of behaviour to change	31
	What makes some behaviours hard to maintain?	34
	Hard-to-reduce/resist/eliminate behaviours	37
	Addictions versus other HTR behaviours	38
	The example of smoking	40
	Hard-to-sustain behaviours	44
	Examples of HTS behaviours	45
	Combinations of both kinds of behaviour change	46
	Replacements and substitutes	47
	What is learnt in HTM behaviour change	48
	References	50
3	The roles of the operational and executive systems	54
	The Operational System	55
	The nature of the Operational System	55
	Functions of the Operational System	60
	Modifying OS functions	62

vi Contents

	The Executive System	65
	Core capacities of the ES	66
	Inputs to the ES	69
	Stories and the roles they play	72
	What the ES can do	75
	Limitations of thinking	81
	Self-regulation	85
	The stability of change	86
	Relationship of CEOS to other dual-process theories	86
	References	94
	F. '	0.0
4	Environmental influences: the context of change	98
	The relatively stable environment	99
	The social environment and social norms	102
	Modelling and vicarious learning	103
	Changing the broader environment	104
	Regulation and legislation	106
	Public education	109
	The interactional environment	110
	Requisites for behaviour	110
	Interpersonal influences	111
	References	114
5	Conceptual influences on change	117
	Framing the problem	118
	Message framing	120
	Mechanisms of persuasion	122
	Organisation of concepts about change	125
	Core beliefs and values	126
	The desirability of change	127
	Influences on goal desirability	127
	Priority	130
	Decisional balance	131
	Goal achievability	133
	Analysis of the challenge (task difficulty)	133
	Self-efficacy	135
	Beliefs that can interfere with behaviour change	137
	References	139
6	The structure of the change process	142
	Tasks involved in behaviour change	143
	Getting behaviour change on the agenda	145
	Goals	146
	Making an attempt to change	148
	Scripts	152
	Commitments to change	154
	U	-

		Contents		vii
	Maintaining change: perseverance		1	.55
	Determinants of maintenance/relapse			59
	Drivers of relapse			60
	Maintaining appropriate beliefs			61
	Influences on self-control			.63
	Influences on reorienting the OS			.64
	Recovering from setbacks			65
	Feedback and evaluation			.66
	Repeated attempts are the norm			67
	Hardening: the changing nature of the population			
	who have not changed			69
	References		1	.71
7	Interventions for behaviour change		1	76
	Internal and external perspectives on change		1	77
	Differences between HTR and HTS behaviours			78
	Enhancing executive function: optimising understanding			80
	Framing: defining the problem and options			
	for change		1	80
	Feedback and evaluation		1	82
	Making relevant knowledge salient		1	83
	The occasional value of biases		1	85
	Enhancing self-control		1	86
	Enhancing executive functions		1	87
	Managing and prioritising life challenges		1	88
	Implementation intentions		1	89
	Enhancing self-reorientation		1	90
	Mindfulness and awareness		1	90
	Acceptance		1	91
	Understanding emotions and attitudes		1	93
	Reconditioning the Operational System		1	94
	Targeting alternatives to the desired behaviour		1	96
	Practice		1	96
	Use of drug therapies		1	97
	Creating more supportive environments		1	97
	Changing the pattern of cues to act		1	97
	Rewards and other motivators		1	98
	Understanding communication		1	98
	Externalising self-control		1	99
	The availability of what is required		2	200
	Advocating for change		2	200
	Integrative strategies		2	201
	Building a revised sense of self		2	201
	Improving recovery from setbacks		2	202
	Optimising a script or plan for action		2	202
	References		2	205

viii Contents

8	Using CEOS to advance knowledge	209
	Key features of CEOS theory	209
	Reframing thinking	211
	Key questions to answer for behaviour change	213
	Contributions of different kinds of research	213
	Measuring key constructs	215
	Measuring ES influences on behaviour	217
	Measures of OS influences on behaviour	218
	Measures of context	219
	Elements of a theory-driven research agenda	220
	Comparisons with other theories	221
	Implications for reducing inequities	226
	Concluding comments	227
	References	229
Ιn	ndex	233