Part I Introduction and Basics

	O	a Sustainable Lifestyle Change		
1.1		ommunicable Diseases—An Increasing Burden on Humanity Health System		
1.2		ological Perspective: The Challenge of Maintaining a Healthy		
	•	le		
1.3	•	ormative Service Research: Implementing the Service		
	Orienta	ation		
1.4	Researc	ch Questions and Approach		
Refe				
Psyc	hologica	l Foundations and Insights from		
Rese	arch on	Effectiveness		
2.1	Models	s of Behavior Change		
	2.1.1	Stage Models of Behavioral Change		
	2.1.2	COM-B Model of Behavior Change		
2.2	Definit	ion and Classification of Behavior Change Techniques		
	2.2.1	Definition of Key Terms		
	2.2.2	Classification of Behavior Change Techniques		
2.3	Effectiveness of Behavior Change Techniques in the Prevention of			
	Overweight and Diabetes			
2.4	Motiva	Motivation and Self-Management		
	2.4.1	Motivation		
	2.4.2	Self-Management		
Refe	rences			
Basi	cs and In	nsights from Service Management and Health Economics		
3.1	Classif	ication of the project in the Transformative Service Research		
	(TSR)			

vii

viii Contents

	•		ustomer Journey: A Tool for Visualizing the Maintenance Stage			
		from tl	he Perspective of Those Affected	42		
		3.2.1	Elements of a Customer Journey and the Customer			
			Experience	42		
		3.2.2	Levels of a Customer Journey	44		
	3.3	Ecosys	stems: An Overview	45		
		3.3.1	Characteristics of Ecosystems	46		
		3.3.2	Roles in Ecosystems	48		
	3.4	Health	Economics and Interprofessionalism	49		
	3.5	Conclusion and Relevance for the Present Research Project				
	Refe	rences		52		
Pa	rt II	Empiric	al Studies			
4	Prac	Practical Measures for a Sustainable Lifestyle Change				
	4.1	Detern	nination of Sustainable Measures	60		
	4.2	Sub-st	udy 1: Identification of Successful Behavior Change			
		Techni	ques from the Perspective of Service Providers	60		
		4.2.1	Survey of Experts from the Health Sector	61		
		4.2.2	Central Findings from the Perspective of Experts	61		
	4.3					
		Techniques from the Perspective of Those Affected		62		
		4.3.1	Survey of Affected Individuals in the Maintenance Stage	63		
		4.3.2	Successful Measures from the Perspective of Those			
			Affected	63		
		4.3.3	Frequently Used Behavior Change Techniques by Those			
			Affected in the Maintenance Phase	65		
	4.4					
	•••	Sustainable Lifestyle Change		66		
		4.4.1	Design Thinking Workshop with representatives of the health			
		1. 1. 1	ecosystem	66		
		4.4.2	Development of Prototype Need-Based Measures	67		
	4.5		ision	68		
				68		
	Refer	ichces	•••••••••••••••••	06		
5		_	of Motivation-Oriented Behavior Change Techniques and			
			the Actors in the Ecosystem	71		
	5.1		and Research Questions	72		
			Effectiveness of Digital Measures	72		
		5.1.2	Influence of the Design of Measures on Acceptance	74		

	5.1.3	Significance of Autonomous Motivation for the	
		Maintenance of Behavioral Changes	75
	5.1.4	Insights into the Relevance of Actors in the Ecosystem	76
5.2	Proced	lures and Methods of the Survey	76
	5.2.1	Participants with a Desire for Lifestyle Change for Health	
		Reasons	76
	5.2.2	Digital Measures with Autonomous and Controlled	
		Motivation Orientation	7
	5.2.3	Assessment of Acceptance and Intention to Use Digital	
		Measures	8
	5.2.4	Assessment of the Relevance of Actors in the Ecosystem	84
5.3	Results	S	84
	5.3.1	Intended Use of Digital Measures for Lifestyle Change	84
	5.3.2	Intention to use Digital Measures with Autonomous and	
		Controlled Motivation Orientation	8.
	5.3.3	Factors Influencing the Intention to use Digital Measures	
		with Motivation-oriented Design	80
	5.3.4	Relevance of the Actors in the Ecosystem from the	
		Perspective of the Target Groups	88
5.4	Conclusion and Answering of the Research Questions		
	5.4.1	Digital Measures Leading to Higher Acceptance	9
	5.4.2	Acceptance of Autonomy Oriented Digital Measures	9
	5.4.3	Factors Influencing Willingness to Use and Acceptance	9
	5.4.4	Relevant Actors in the Ecosystem for Maintaining a	
		Healthy Lifestyle	9
Refe	rences		9
Effe	ctiveness	s of the Use of Digital Measures	9.
6.1	Initial	Situation and Questions	9
6.2	Procedure for Measuring the Effectiveness of Digital Measures		
	6.2.1	Data Extraction and Data Basis	9
	6.2.2	Sample	10
	6.2.3	Analysis	10
6.3	Result	S	10
	6.3.1	Usage Frequencies	10
	6.3.2	Correlations between the Frequency of use and Physical	
		Activity	10
	6.3.3	Correlations between the Frequency of use of Measures and	
		the Medical Parameters Weight, Blood Pressure, and Blood	
		Sugar	10

	6.4	Conclu	sion	104		
				104		
7	Analysis of the Customer Journey in the Health Ecosystem					
	7.1	Proced	ure and Methodology	106		
	7.2	Consur	ner Journey and Customer Journeys of the Maintenance			
	•			107		
		7.2.1	Activities in the Consumer Journey of the Maintenance Stage and in the Customer Journeys Exercise			
			and Nutrition	107		
		7.2.2	Emotions During the Consumer Journey	110		
		7.2.3	Use of Communication Channels During the Consumer			
			Journey	112		
	7.3	Relevai	nce of Partners from the Health Ecosystem	112		
	7.4		le of Self-Management in the Maintenance Stage	115		
	7.5	Conclu	sion	117		
	Refe	rences		117		
8	The	The Role of Pharmacies within the Health Ecosystem				
	8.1	Analys	is of the Positioning of Pharmacies in Switzerland	120		
		8.1.1	Opportunities and Challenges for the Swiss Pharmacy			
			and Drugstore Market	120		
		8.1.2	Methodological Approach for the Survey of Experts	122		
			al Experiences from Swiss Pharmacies and Drugstores	123		
		8.2.1	The Current Range of Services Offered by Pharmacies	123		
		8.2.2	Success Factors and Challenges for Customer Consultation			
			in Pharmacies	123		
		8.2.3	Collaboration within the Health System	125		
	8.3	Conclu	sion	125		
	Refe		• • • • • • • • • • • • • • • • • • • •	126		
Pai	rt III	Recomn	nendations and Toolbox			
9				131		
,	9.1		ve Measures for a Sustainable Lifestyle Change	131		
	9.1	•				
	フ.と			134		
	9.3	•		134		
	フ・ン		nsumer Journey and the Customer Journeys in the nance Phase	134		
		TATAHIIC		1.74		

	9.4 The Healthcare Ecosystem: The Role of Those Affected and		althcare Ecosystem: The Role of Those Affected and Their	Their	
		Partner	s in Maintaining a Healthy Lifestyle	136	
	9.5	Conclu	sion	138	
	Refer	ences	••••••••••••	139	
10	Toolbox for Maintaining a Healthy Lifestyle			141	
	10.1	Tool 1:	Customer Journey	143	
	10.2	Tools fo	or the Health Care Ecosystem	143	
		10.2.1	Tool 2: Health Care Ecosystem Map	145	
		10.2.2	Tool 3: Collaboration and Interprofessionalism in		
			the Health Care Ecosystem	146	
	10.3			146	
		10.3.1	Tool 4: Effective and Practical Behavior Change		
			Techniques	146	
		10.3.2	Tool 5: Guide to Autonomy-Oriented Design of Measures	151	
		10.3.3	Tool 6: Individual Goal Setting	152	
		10.3.4	Tool 7: Short Questionnaire on the Acceptance of		
			Measures and Motivation Orientation	155	
		10.3.5	Tool 8: Guide to Defining Appropriate Rewards	156	
	Dofor	encac		157	