

1 Appendix A: supplementary tables & figures

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3 Table 4: Overview of use of types of medication in the study population (n=407)

Type of medication	%
<i>Painkillers</i>	23.4%
<i>Antibiotics</i>	9.4%
<i>Anticonceptives</i>	5.2%
Lipid lowering medication	31.0%
Antihypertensives	41.4%
<i>Anticoagulants</i>	21.7%
<i>Diuretics</i>	12.1%
<i>Laxatives</i>	3.7%
<i>Gastro-intestinal medication</i>	24.9%
<i>Sleep or tranquilizing medication</i>	8.9%
<i>Medication for other conditions of nerve system</i>	3.0%
<i>Anti-depressants</i>	7.6%
<i>Anti-diabetes</i>	12.3%
<i>Rheumatism medication</i>	12.3%
<i>Allergy medication</i>	9.6%
<i>Asthma/COPD medication</i>	13.6%
<i>Cancer medication</i>	1.7%
<i>Skin medication</i>	9.9%
<i>Eye medication</i>	10.6%
<i>Other medication</i>	26.4%

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6 Table 5: Results of reliability analysis & consistency of (sub)scales in the study population (n=407)

Characteristics	Cronbach's alpha	Interitem cov.	Factor loadings
Beliefs about medication in general			
Harm	0.74	0.37	
<i>People who take medicines should stop their treatment for a while every now and again</i>			0.4797
<i>Most medications are addictive.</i>			0.6175
<i>Medications do more harm than good.</i>			0.7170
<i>All medications are poison.</i>			0.7252
Overuse	0.68	0.32	
<i>Doctors prescribe too many medications.</i>			0.5193
<i>Natural remedies are safer than medications.</i>			0.4081
<i>Doctors rely too heavily on medications.</i>			0.7459
<i>If doctors had more time for their patients, they would prescribe fewer medications.</i>			0.6417
Beliefs about prescribed medication			
Necessity	0.88	0.78	
<i>Currently, my health depends on medications.</i>			0.7606
<i>My life would be impossible without my medicines</i>			0.8002
<i>Without my medications, I would be very ill.</i>			0.8088
<i>My health in the future will depend on my medications.</i>			0.7361
<i>My medications prevent me from becoming worse</i>			0.6749
Concerns	0.78	0.42	
<i>Having to take medicines worries me</i>			0.7455
<i>I sometimes worry about long-term effects of my medicines</i>			0.6893
<i>My medicines are a mystery to me</i>			0.4647
<i>My medications disrupt my life</i>			0.6181
<i>I sometimes worry about becoming too dependent on my medicines</i>			0.6546

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8 Table 6: Results of structural equation modelling; effects of trust and beliefs about medication on medication adherence
 9 (n=407)

	Model 1				Model 2				Model 3			
Model Fit (CMIN: Chi2/df)	34.857				34.634				35.255			
	B (reg. weights)	S.E.	P		B (reg. weights)	S.E.	P	B (reg. weights)	S.E.	P		
Trust in Healthcare	-0.016	0.028	0.572		-0.016	0.028	0.573	x	x	x		
Trust in medication	0.052	0.026	0.044		0.051	0.025	0.044	0.044	0.022	0.044		
BMQ-G ^a												
Harm	0.003	0.044	0.952	x	x	x	x	x	x	x		
Overuse	-0.084	0.045	0.058	-0.083	0.038	0.028	-0.083	0.038	0.029			
BMQ-S ^b												
Necessity	0.076	0.034	0.026	0.075	0.033	0.023	0.075	0.033	0.024			
Concerns	-0.137	0.043	0.002	-0.136	0.042	0.001	-0.134	0.042	0.002			

10 a Beliefs about Medicines Questionnaire General

11 b Beliefs about Medicines Questionnaire Specific

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13 Table 7: Results of structural equation modeling; effects of trust and beliefs about medication on medication adherence
 14 (robustness) (n=407)

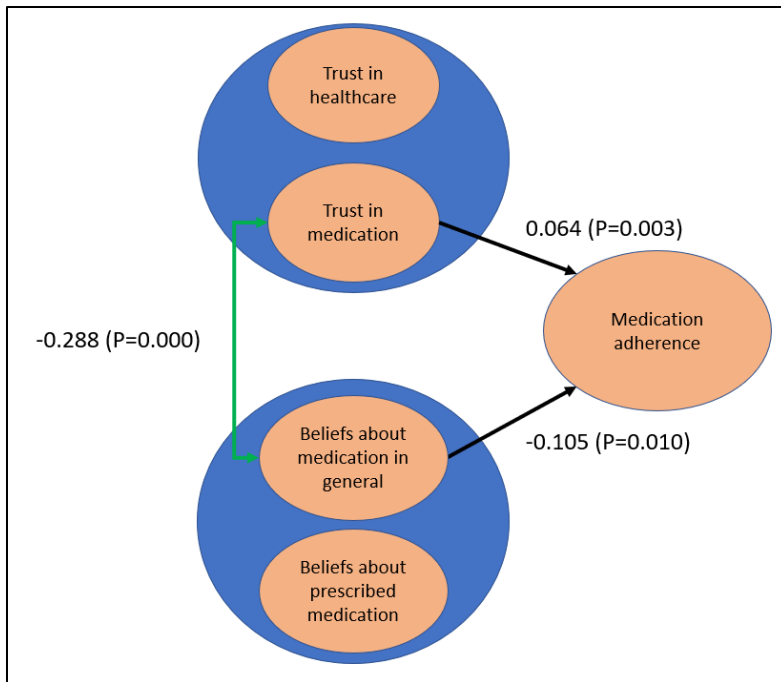
	Model 1				Model 2				Model 3			
Model Fit (CMIN: Chi2/df)	26.932				17.316				28.419			
	B (reg. weights)	S.E.	P		B (reg. weights)	S.E.	P	B (reg. weights)	S.E.	P		
Trust in Healthcare	-0.010	0.029	0.734	X	X	x	x	x	x	x		
Trust in medication	0.064	0.026	0.012	0.060	0.022	0.006	0.064	0.021	0.003			
BMQ-G ^a	-0.098	0.041	0.016	-0.099	0.041	0.016	-0.105	0.041	0.010			
BMQ-S ^b	-0.056	0.035	0.104	-0.055	0.034	0.109	x	x	x			

15 a Beliefs about Medicines Questionnaire General

16 b Beliefs about Medicines Questionnaire Specific

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20 *Figure 1: Results of the structural equation modelling robustness analyses assessing the relationships between trust, beliefs*
 21 *and medication adherence, using the Beliefs about Medicines Questionnaire differential scales^{a, b}*

22 ^a Green lines indicate significant covariances, black lines indicate significant effects.

23 ^b All arrows are intended to communicate relationships between the orange ovals.

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