

Appendix B – Determinants of OOPP for prescription medication and cost-related medication non-adherence (N = 4042)								
	OOPP model				Non-adherence model			
Variables' names	stage 1		stage 6		stage 1		stage 6	
	AME	95% CI	AME	95% CI	AME	95% CI	AME	95% CI
OOPP	dependent variable		dependent variable				0.019 [*]	[0.003; 0.034]
Prescribed medication for:								
asthma	125.6 ***	[71.0; 180.1]	104.5 ***	[51.0; 158.0]	0.036 **	[0.015; 0.057]	0.027 *	[0.005; 0.048]
chronic lung disease	124.6 **	[42.0; 207.2]	94.5 *	[12.3; 176.7]	0.022	[−0.006; 0.051]	0.014	[−0.014; 0.042]
myocardial infarction	141.5 ***	[89.9; 193.1]	103.8 ***	[50.7; 156.9]	0.048 ***	[0.027; 0.069]	0.037 **	[0.016; 0.058]
ischaemic heart disease	85.6 ***	[47.2; 124.0]	53.4 **	[15.1; 91.6]	0.018	[−0.001; 0.036]	0.010	[−0.009; 0.028]
hypertension	46.7 ***	[24.1; 69.2]	38.1 **	[15.1; 61.1]	−0.018 *	[−0.033; −0.004]	−0.022 **	[−0.037; −0.008]
high blood cholesterol	42.0 **	[15.8; 68.1]	29.9 *	[4.3; 55.4]	−0.007	[−0.024; 0.010]	−0.012	[−0.028; 0.005]
stroke	177.7 ***	[99.2; 256.3]	132.1 **	[53.1; 211.0]	0.043 **	[0.017; 0.069]	0.031 *	[0.005; 0.056]
arthrosis	61.4 ***	[30.9; 91.9]	32.2 *	[1.1; 63.3]	0.012	[−0.005; 0.028]	0.003	[−0.013; 0.020]
rheumatoid arthritis	70.7 **	[26.8; 114.6]	44.4 *	[0.9; 87.8]	0.026 **	[0.008; 0.045]	0.016	[−0.002; 0.034]
problems in lumbar spine	60.6 ***	[31.1; 90.1]	42.0 **	[12.2; 71.8]	0.020 *	[0.003; 0.037]	0.013	[−0.003; 0.030]
problems in cervical spine	53.2 *	[12.2; 94.1]	44.6 *	[4.7; 84.4]	0.008	[−0.013; 0.029]	0.005	[−0.015; 0.026]
diabetes	91.4 ***	[60.5; 122.4]	64.7 ***	[33.7; 95.7]	0.017	[−0.001; 0.034]	0.007	[−0.010; 0.024]
allergy	10.1	[−27.8; 47.9]	22.0	[−15.5; 59.6]	−0.008	[−0.030; 0.040]	−0.002	[−0.024; 0.021]
cirrhosis	131.3	[−81.9; 344.4]	128.3	[−72.4; 329.0]	0.022	[−0.048; 0.092]	0.025	[−0.043; 0.092]
migraine and serious headache	49.4	[−22.6; 121.4]	30.5	[−41.0; 102.1]	0.033 **	[0.009; 0.057]	0.026 *	[0.002; 0.050]
problems with incontinence	55.8	[−4.2; 115.9]	32.1	[−26.6; 90.8]	−0.006	[−0.032; 0.020]	−0.012	[−0.038; 0.014]
chronic kidney diseases	125.9	[37.6; 214.3]	94.1 *	[8.7; 179.6]	0.007	[−0.026; 0.040]	0.001	[−0.031; 0.033]
depression	19.5	[−32.4; 71.4]	−12.8	[−63.1; 37.5]	0.034 **	[0.008; 0.060]	0.026	[0.000; 0.052]
anxiety	18.9	[−38.1; 75.8]	4.3	[−50.5; 59.1]	0.031 **	[0.005; 0.057]	0.023	[−0.003; 0.049]
thyroid gland	21.3	[−12.7; 55.3]	14.0	[−20.4; 48.4]	−0.005	[−0.026; 0.015]	−0.009	[−0.030; 0.012]
osteophorosis	8.8	[−37.8; 55.4]	−15.9	[−63.8; 32.0]	0.012	[−0.009; 0.034]	0.001	[−0.020; 0.023]
other diseases	85.0 ***	[53.4; 116.6]	65.2 ***	[34.9; 95.6]	0.013	[−0.004; 0.030]	0.007	[−0.010; 0.024]
satisfactory health ^a			51.4 ***	[29.3; 73.5]			0.021 *	[0.001; 0.041]
poor health ^a			134.6 ***	[92.4; 176.8]			0.045 ***	[0.022; 0.067]
outpatient visits ^b			101.8 ***	[81.6; 122.1]			0.034 ***	[0.016; 0.052]
medication non-adherence ^c			81.0 *	[15.2; 146.9]	dependent variable		dependent variable	
female ^d			19.1	[−2.9; 41.2]			0.013	[−0.004; 0.029]
age 65+ ^e			18.9	[−5.1; 42.8]			0.001	[−0.015; 0.018]
secondary education ^f			−20.2	[−52.3; 11.9]			−0.023 **	[−0.039; −0.008]
higher education ^f			8.2	[−34.9; 51.4]			−0.051 **	[−0.085; −0.018]
medium density ^g			−39.1 **	[−68.0; −10.2]			−0.005	[−0.023; 0.013]
low density ^g			−29.4 *	[−58.6; −0.3]			−0.006	[−0.024; 0.011]
Note: AME – average marginal effects (OOPP model in CZK; non-adherence model in probabilities).								
* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$.								
CI – confidence interval.								
* AME adjusted for an increase in OOPP by 1000 CZK.								
Reference categories: ^a good health; ^b no outpatient visit in last 6 months; ^c no medication non-adherence due to financial situation; ^d male; ^e individuals younger than 65; ^f lower education; ^g high density.								