

Supplementary Table 1A.

Regression analyses estimating whether previous comorbidities have an influence on changes in health utilization

Previous comorbidity	Number of in-patient admissions		Number of days in hospital		Number of outpatient visits	
	Exp (estimate)	p-value	Exp (estimate)	p-value	Exp (estimate)	p-value
Endocrine. nutritional. metabolic disease	1.16 (0.70-1.92)	0.575	0.47 (0.16-1.38)	0.169	1.07 (0.97-1.19)	0.176
Diseases of circulatory system	0.96 (0.61-1.52)	0.876	1.08 (0.48-2.44)	0.848	0.96 (0.88-1.05)	0.356
Diseases of respiratory system	0.66 (0.35-1.22)	0.184	0.76 (0.30-1.93)	0.570	0.90 (0.80-1.00)	0.050
Diseases of digestive system	1.23 (0.74-2.06)	0.418	1.29 (0.54-3.11)	0.565	0.97 (0.89-1.06)	0.519
Diseases of skin and subcutaneous system	0.82 (0.43-1.54)	0.531	0.39 (0.11-1.48)	0.167	0.86 (0.77-0.96)	0.006
Diseases of musculoskel. system. connective tissue	0.67 (0.12-3.91)	0.658	0.55 (0.07-4.50)	0.573	1.09 (0.72-1.65)	0.690
Diseases of genitourinary system	0.81 (0.44-1.48)	0.493	1.21 (0.41-3.58)	0.731	0.90 (0.82-0.99)	0.037
Symptoms. signs and abnormal clinical etc	1.05 (0.66-1.68)	0.838	1.56 (0.68-3.57)	0.294	0.87 (0.80-0.95)	0.001
Injury. poisoning. consequences of external causes	1.36 (0.87-2.13)	0.172	2.14 (0.91-5.03)	0.081	0.97 (0.89-1.06)	0.488
Factors influencing health status and contact with health services	1.10 (0.73-1.65)	0.64	1.85 (0.87-3.91)	0.109	0.95 (0.90-1.01)	0.088

Statistically significant results are marked with bold types

Only previous comorbidities affecting >100 patients are shown

*Adjusted for gender, age, dead in post period, duration of ETA before index date, stopped SB4 treatment within 180 days and comorbidities.

Comorbidities are defined according to WHO chapters 12-24 months before index date

Supplementary Table 1B.

Regression analyses estimating whether previous comorbidities have an influence on changes in health costs*

Previous comorbidity	In-patient total costs		Out-patient total costs		Primary sector total costs		Prescription medical total costs		Total costs	
	Exp (est.)	p-value	Exp (est.)	p-value	Exp (est.)	p-value	Exp (est.)	p-value	Exp (est.)	p-value
Endocrine, nutritional, metabolic disease	0.98 (0.50-1.93)	0.959	0.99 (0.88-1.11)	0.823	0.98 (0.90-1.08)	0.731	1.01 (0.93-1.10)	0.767	0.97 (0.82-1.14)	0.687
Diseases of circulatory system	1.22 (0.73-2.02)	0.444	0.97 (0.88-1.08)	0.616	1.05 (0.95-1.15)	0.319	1.00 (0.90-1.11)	0.970	0.97 (0.86-1.09)	0.604
Diseases of respiratory system	1.53 (0.84-2.77)	0.165	0.94 (0.80-1.09)	0.384	0.93 (0.83-1.05)	0.260	0.97 (0.89-1.06)	0.509	1.03 (0.87-1.20)	0.760
Diseases of digestive system	1.14 (0.60-2.16)	0.696	1.11 (0.90-1.36)	0.328	0.98 (0.89-1.08)	0.714	1.07 (0.98-1.18)	0.120	1.08 (0.89-1.31)	0.458
Diseases of skin and subcutaneous system	0.59 (0.25-1.40)	0.232	0.92 (0.82-1.03)	0.151	1.00 (0.88-1.13)	0.955	0.96 (0.87-1.07)	0.496	0.87 (0.72-1.05)	0.143
Diseases of musculoskel. system, connective tissue	1.06 (0.14-8.13)	0.953	0.81 (0.59-1.13)	0.218	0.82 (0.60-1.11)	0.190	0.84 (0.60-1.17)	0.309	0.81 (0.56-1.17)	0.260
Diseases of genitourinary system	1.03 (0.47-2.24)	0.940	1.02 (0.91-1.15)	0.731	1.00 (0.86-1.17)	0.972	0.98 (0.82-1.16)	0.801	1.01 (0.87-1.16)	0.931
Symptoms, signs and abnormal clinical etc	1.98 (1.18-3.34)	0.010	0.91 (0.76-1.09)	0.306	1.04 (0.94-1.14)	0.494	0.94 (0.84-1.04)	0.206	1.02 (0.87-1.20)	0.801
Injury, poisoning, consequences of external causes	1.56 (0.93-2.64)	0.094	1.01 (0.90-1.13)	0.924	1.04 (0.93-1.16)	0.454	1.05 (0.94-1.16)	0.398	1.06 (0.93-1.21)	0.381
Factors influencing health status and contact with health services	1.56 (0.98-2.48)	0.063	1.02 (0.93-1.12)	0.706	1.03 (0.96-1.10)	0.474	1.00 (0.93-1.08)	0.978	1.05 (0.95-1.16)	0.344

Statistically significant results are marked with bold types

Only previous comorbidities affecting >100 patients are shown

*Adjusted for gender, age, dead in post period, duration of ETA before index date, stopped SB4 treatment within 180 days and comorbidities (WHO chapters) 12-24 months before index date