

## Supplementary material

**Supplementary table 1. Read/OXMIS, ICD10 codes and BNF chapters defining covariates.**

	Read/OXMIS codes	ICD10 codes
Hypoglycemia		E10.0, E11.0, E16.0, E16.1, E16.2
Diabetes	C10+	E10+, E11+
Smoking	Current: 1372, 1373, 1374, 1375, 1376, 137C, 137D, 137G, 137H, 137J, 137M, 137P, 137Q, 137R, 137V, 137X, 137Y, 137Z, 137a, 137b, 137c, 137d, 137e, 137f, 137h, 137m Previous: 1377, 1378, 1379, 137A, 137B, 137F, 137K, 137N, 137O, 137S, 137T, 137j, 137l Never: 1371	
	BNF chapter	
Antihypertensive	2.5.1, 2.5.2, 2.5.4, 2.5.5, 2.6.1, 2.6.2	
Statins	2.12.4	

BNF, British National Formulary

**Supplementary table 2. Major categories of primary diagnoses**

				Inpatient hypoglycemia					
				No			Yes		
				LoS (days)			LoS (days)		
				ICD10	n	Pct	Mean	Std	Median
Total		2158	100	11	16	5	22	27	13
Primary									

diagnosis									
Other		1308	61	10	15	4	23	26	14
Sepsis due to <i>Staphylococcus aureus</i>	A41	40	2	22	30	9	24	21	17
Type 1 diabetes	E10	84	4	12	24	4	11	12	7
Type 2 diabetes	E11	128	6	8	15	41	29	48	12
Chronic ischemic heart disease	I25	40	2	6	7	8	2	12	13
Heart failure	I50	88	4	11	11	8	22	25	14
Cerebral infarction	I63	42	2	25	26	16	50	40	49
Pneumonia	J18	100	5	11	13	7	16	14	14
Unspecified acute lower respiratory infection	J22	46	2	13	11	8	21	24	11
Other and unspecified noninfective gastroenteritis and colitis	K52	62	3	7	17	3	11	11	5
Acute kidney failure	N17	50	2	10	9	7	27	20	22
Other disorders of urinary system	N39	118	5	11	17	6	19	19	12

Syncope and collapse	R55	52	2	8	14	3	10	14	4
----------------------	-----	----	---	---	----	---	----	----	---