

Table S1. Healthcare utilization, informal care utilization and additional patient actions of patients experiencing hypoglycaemia in 6 months before baseline

	T1DM patients with SH n=38	T2DM patients with SH n=64
Patients indicated the following hypoglycaemia events (in the last 6 months)¹		
Event resulting in hospital admission - n (%)	4 (11%)	14 (22%)
Times admitted - mean (sd)	1.0 (0.0)	1.0 (0.0)
Admission length in days - mean (sd)	2.5 (3.0)	1.0 (0.0)
Event requiring assistance from medical personnel but not requiring hospital admission - n (%)	12 (32%)	11 (17%)
Number of episodes - mean (sd)	4.2 (8.3)	2.8 (5.7)
Event requiring assistance from another person to administer carbohydrate and/or glucagon (informal care) - n (%)	35 (92%)	52 (81%)
Number of episodes - mean (sd)	4.1 (8.3)	2.2 (2.3)
Patients indicated the following actions (if they experienced a hypoglycaemic event in the last 6 months)		
Attended additional clinical appointments with doctor/nurse - n (%)	3 (8%)	5 (8%)
Number of extra appointments - mean (sd)	1.6 (0.5)	1.9 (0.1)
Made additional telephone contacts with doctor/nurse - n (%)	4 (11%)	11 (17%)
Number of telephone contacts - mean (sd)	1.7 (0.5)	2.3 (1.5)
Consulted another healthcare professional - n (%)	0 (0%)	4 (6%)
Increased the number of blood glucose checks per day - n (%)	23 (61%)	36 (56%)
Number of extra checks - mean (sd)	2.1 (0.8)	2.1 (0.7)
Number of days - mean (sd)	8.1 (17.1)	3.1 (4.0)

¹Note that the percentages do not count to 100%, because patients can have multiple hypoglycaemic events.

Abbreviations: SH, severe hypoglycaemia; NSH, non-severe hypoglycaemia; T1DM, type 1 diabetes; T2DM, type 2 diabetes.

Table S2. Per patient healthcare utilization costs and informal care costs of patients experiencing hypoglycaemia in 6 months before baseline

	Unit costs (€) 2016	T1DM patients with SH n=38	T1DM patients with SH n=64
Patients indicated the following hypoglycaemia events (in the last 6 months)			
Event resulting in hospital admission - mean costs (sd)	€480.29 ¹	€192 (€701)	€242 (€461)
Event requiring assistance from medical personnel but not requiring hospital admission - mean costs (sd)	€476.51 ²	€629 (€2,344)	€232 (€1,199)
Event requiring assistance from another person to administer carbohydrate and/or glucagon (informal care) - mean costs (sd)	€14.13	€53 (€114)	€76 (€97)
Patients indicated the following actions (if they experienced a hypoglycaemic event in the last 6 months)			
Attended additional clinical appointments with doctor/nurse - mean costs (sd)	€91.82/ €33.30	€12 (€42)	€5 (€17)
Made additional telephone contacts with doctor/nurse - mean costs (sd)	€17.15	€3 (€9)	€7 (€18)
Consulted another healthcare professional - mean costs (sd)	€14.13-€33.30	€0 (€0)	€1 (€6)
Increased the number of blood glucose checks per day - mean costs (sd) ³	€0.27	€4 (€11)	€1 (€2)
Total healthcare utilization and informal care costs - mean (sd)		€893 (€2,455)	€564 (€1,435)

¹Besides inpatient day(s) (€480.29) it is assumed this event required an ambulance (€618.53) and an intravenous infusion (or injection) with glucose (€6.63); ²Besides an ambulance (€618.53; 75%) or visit by general practitioner (€50.45; 25%) it is assumed this event required an intravenous infusion (or injection) with glucose (€6.63; 75% - €6.12; 25%); ³Patients could choose between 1, 2 or 3+ extra tests. If they reported 3+ tests, costs of blood glucose checks were based on the costs of 3 tests.

Abbreviations: SH, severe hypoglycaemia; NSH, non-severe hypoglycaemia; T1DM, type 1 diabetes; T2DM, type 2 diabetes.

Table S3. Productivity losses of patients experiencing hypoglycaemia in 6 months before baseline

	T1DM patients with SH n=38	T1DM patients with SH n=64
Employment status		
Full-time employment	16 (42%)	3 (5%)
Part-time employment	10 (26%)	7 (11%)
Student	1 (3%)	0 (0%)
Pensioned	7 (18%)	48 (75%)
Unemployed	1 (3%)	1 (2%)
Other	3 (8%)	5 (8%)
Missing	0 (0%)	0 (0%)
Within patients being full-time or part-time employed		
	n=26	n=10
Sick leave from work - n (%)	7 (27%)	1 (10%)
Number of days - mean (sd)	3.7 (4.3)	10.0 (0.0)
Arrived at work late - n (%)	13 (50%)	1 (10%)
Number of days - mean (sd)	3.8 (3.4)	2.0 (0.0)
Left work early - n (%)	6 (23%)	0 (0%)
Number of days - mean (sd)	4.3 (4.4)	-

Abbreviations: SH, severe hypoglycaemia; NSH, non-severe hypoglycaemia; T1DM, type 1 diabetes; T2DM, type 2 diabetes.

Table S4. Per patient total six-month costs of patients experiencing hypoglycaemia

	T1DM patients with SH (n=38)	T2DM patients with SH (n=64)
Costs within the healthcare sector (including informal care) - mean costs (sd)	€893 (€2,455)	€564 (€1,435)
Productivity costs - mean costs (sd)	€239 (€590)	€22 (€175)
Per patient total six-month costs of patients experiencing hypoglycaemia - mean costs (sd)	€1,132 (€2,933)	€586 (€1,439)

Abbreviations: SH, severe hypoglycaemia; NSH, non-severe hypoglycaemia; T1DM, type 1 diabetes; T2DM, type 2 diabetes.