

# COST OF ILLNESS STUDY OF TYPE 2 DIABETES MELLITUS IN THE NEWLY ESTABLISHED DIABETOLOGY OUTPATIENT FACILITY IN THE CZECH REPUBLIC

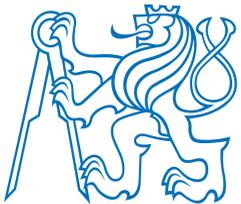
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## OBJECTIVES

The number of patients in the Czech Republic treated for diabetes in 2013 was nearly 862 thousand.

The share of type 2 diabetes mellitus was 91.7 %.

The number of treated diabetics has been increasing in a long-term trend, as well as the number of their chronic complications.

The goal of the study is to estimate the cost of type 2 diabetes from the health insurance perspective in a newly established regional diabetology outpatient facility.

## METHODS

The cost-of-illness analysis of direct costs was performed from a third-party payer perspective based on data from the year 2014. The bottom-up approach was used.

Data of 552 patients with type 2 diabetes (all type-2-diabetes- mellitus patients in the ambulance) were taken into consideration.

Altogether 1 696 consultations were provided to the patients during 2014.

Table 1: Summary of total costs

	Total Costs 2014	The Average Costs
Examinations	463 991.09 CZK	840.56 CZK
Drugs	5 705 600.52 CZK	10 336.23 CZK
Materials	1 564 820.00 CZK	2 834.82 CZK
Diabetic amputation	62 412.55 CZK	113.07 CZK
Diabetic nephropathy	23 096 238.75 CZK	41 841.01 CZK
Total	30 893 062.91 CZK	<b>55 965.69 CZK</b>

## RESULTS

The average cost of consultations for one type-2-diabetes-mellitus patient per year was CZK 840.56 (~EUR 30.5), the average cost of treatment for one patient was CZK 10 336 (~EUR 375), the average material cost was CZK 2 835 (~EUR 103) per patient, and CZK 113.7 (~EUR 4) was the average cost for amputation per patient, and the average cost of diabetic nephropathy was CZK 41 841 (~EUR 1 518) per one patient.

The total average cost per one type-2-diabetes-mellitus patient was CZK 55 956 (~EUR 2 031) in 2014.

## CONCLUSIONS

Our data indicate that the cost of type 2 diabetes mellitus was **CZK 55 956 (~EUR 2 031)** per an average patient.

A longitudinal study is, however, required to confirm the development of the average-patient cost and take account of the cost of complications.

## REFERENCES:

1. LONČÁK, V. (2015) The cost of Lifestyle Diseases. UJEP : Ústí nad Labem
2. <http://www.uzis.cz/en/category/tematicke-rady/diabetes-mellitus> [cited 1.11.2015]