The Burden of Stroke in the Czech Republic

S·A·F·E
Stroke Alliance For Europe
THE STROKE PATIENT
VOICE IN EUROPE

Population: 10,674,947

Healthcare cost of stroke in the Czech Republic = €365.8 million (€35 per capita)

Treatment landscape:

The Neurological Society of JEP and the Ministry of Health have developed **national stroke guidelines, and secondary stroke prevention guidelines** exist

Stroke rehabilitation is conducted by a multiprofessional team with a stroke doctor, physiotherapist, speech therapist and an occupational therapist, plus dietetic and nursing staff

Time is Brain campaign led by the Czech Stroke Society and the Czech Society of Interventional Radiology and supported by pharma companies – started in 2016

10 Comprehensive and **32 Primary stroke centres** in operation, with an estimated 85% of stroke patients treated in stroke units

HOBIT Programme aims to increase the awareness of stroke symptoms and an appropriate response in school children

Stroke in the Czech Republic:

Incidence:
18,455 strokes per year
106.8 strokes per 100,000 inhabitants annually

Prevalence:
96,833 strokes
597.9 strokes per 100,000 inhabitants

Mortality:
13,148 deaths due to stroke per year
70.0 deaths per 100,000 inhabitants annually

Estimated increase 2015–2035:

Incidence: **45%**

Prevalence: **22%**

Deaths: **70%**

DALYs Lost: **45%**

Risk factor prevalence:

High blood pressure
33.2%

High cholesteroll
53.9%

Smoking
33.4%

Raised glucose
9.6%

Since 2006 the Czech Stroke Society has hosted educational campaigns promoting stroke awareness.

Anticoagulant treatment rates:

No data has been published to demonstrate the use of oral anticoagulants in the Czech Republic, however:

- **Official approval for thrombolysis** has existed since 2004
- Recent figures show a **10.9% thrombolysis rate** in ischaemic stroke patients admitted to stroke units nationally