

Trends in stroke mortality in Czechia in the period 1995–2021

Abstract

Stroke is one of the most common causes of death in Czechia. The aim of this bachelor's thesis is to analyse trends in stroke mortality between 1995 and 2021 using data from the Czech Statistical Office. Standardized mortality rates, age-specific mortality rates, simple proportion calculations and two-dimensional decomposition method were used for this purpose. The thesis describes a significant decrease in the overall intensity of stroke mortality and intensity by age groups, as well as notable impact of stroke on the increase in life expectancy at birth. Furthermore, the thesis examines changes in the position of stroke among other causes of death, including cardiovascular diseases. The regional differentiation of stroke mortality is also analysed, revealing significant internal variability within Czechia. Additionally, the mortality trends of two main stroke types, ischaemic and haemorrhagic, are briefly outlined. Analysis of differences between men and women is included throughout the whole thesis.

Keywords: mortality, stroke, standardized mortality rates, decomposition, Czechia