

## **Analysis of cervical cancer incidence and mortality by clinical stage in Czechia**

### **Abstract**

Cervical cancer is the fourth most common cancer in the female population worldwide. The aim of this bachelor thesis is a detailed analysis of the incidence and mortality of cervical cancer in the Czech Republic. The analysis is performed between 1980–2021 for both incidence and mortality. The evolution of incidence is also broken down by clinical stages of neoplasm. In particular, standardized incidence and mortality rates were used, age-specific rates for individual stages of incidence and for overall mortality were also calculated, and finally the MIR is presented and the 5-year survival rate calculated. The bachelor thesis describes the decreasing trend in mortality since 1980 and, in particular, the decreasing trend in incidence rates. The analysis of the incidence rate is conducted according to the different clinical stages and the predominance of clinical stage I incidence can be observed. At the end of the study period, it is also possible to observe the impact of the Covid-19 pandemic, which broke out in the Czech Republic at the beginning of 2020 and had some implications for cancer treatment.

**Keywords:** neoplasm, cervix, standardized incidence rate, standardized mortality rate, Czech Republic