

Abstract

The main objective of this thesis was to analyse the development of mortality from selected respiratory diseases in the Czech Republic in the 1994–2014 period. Selected respiratory diseases were defined due to common characteristics, risk factors and mutual effects on each other and they are lung cancer, pneumonia and chronic obstructive pulmonary disease. The first part of the thesis contains the definition of studied diseases, their risk factors, incidences and general trends of mortality from selected causes of death. The second part is devoted to the development of mortality from selected respiratory diseases regarding sex, age and seasonal effect. The methods for calculating in the analytical part were standardized mortality rate, two-dimensional decomposition and decomposition of the time series. The results showed different development of mortality from selected diseases between men and women and age distribution in consequence of the mortality from selected respiratory diseases. In terms of seasonal mortality, there was an effect found on pneumonia and chronic obstructive pulmonary disease.