

Infant mortality in the Czech Republic and Europe: trends and patterns

Abstract

This Master's thesis addresses the development of infant mortality in the Czech Republic between the years 1950 and 2016 using more detailed indicators of infant mortality. To evaluate the impact of infant mortality rate, on the lengthening life expectancy at birth in the Czech Republic and selected European countries, a decomposition of life tables is included. Selected European countries are then compared with the use of cluster analysis, based on infant mortality indicators and life expectancy at birth by sex. Finally, an analysis is made on the basis of infant life tables which are calculated by sex, birth weight and legitimacy for the Czech Republic.

Keywords: infant mortality, Czech Republic, European countries, tables of infant mortality, sex, child-legitimacy, birth weight, decomposition, cluster analysis