

## Abstract

The presented dissertation is a compilation of four studies published or accepted for publication in international journals with an impact factor, supplemented by a framing introduction and summary comments on each of these studies.

In the first part of the introduction section, the author states the main descriptive statistics related to Czech mental health care, from the prevalence of mental health disorders and the treatment gap to the utilized mental health care.

In the second part, the author introduces topics in psychiatric epidemiology with missing evidence, covered by four studies presented below.

The first presented study focuses on victimization of people with mental health disorders and provides evidence of the significant effects of the experienced assault and the number of previous hospitalizations on the following course of a patient's severe mental illness.

The second presented study provides evidence of a lower survival following SARS-CoV-2 infection in people with pre-existing psychotic disorders and in people with pre-existing substance use disorders when compared to the Czech general population.

The final two presented studies provide the first evidence of the higher risk of death and the first quantification of life-years lost after the onset of a physical health condition in people with a history of hospitalization for severe mental illness and in people with a history of hospitalization for substance use disorders, both compared to the Czech general population.

All presented studies are based on the Czech routinely collected data from nationwide health registers maintained by the Institute of Health Information and Statistics.