

Estimating the Effect of Covid-19 on the Birth Rate in China's Hubei Province

FENG Tianshi

Abstract

This paper quantitatively evaluates the effect of Covid-19 broke out in early 2020 on the birth rate in Hubei province using a synthetic control method. In 2020, Hubei province accounted for 97.4% of the Covid-19 death cases in mainland China. The results show that the Covid-19 outbreak reduced the value of birth rate in Hubei province by 1.2‰ in 2020 and by 1.8‰ in 2021, compared with 2019, the decrease rate is 10.57% and 15.86% of the birth rate in 2019. The findings are similar when the generalized synthetic control method is applied.