

# Impact of Covid-19 on Bloodstream Infections: A Segmented Regression Approach



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The aim of this study is to investigate the impact of the COVID-19 pandemic on the number of central venous catheter-related bloodstream infections. We consider segmented zero-inflated Poisson mixed-effects models in a likelihood-based framework. Both fixed and random breakpoints are evaluated. The model seems to adequately model the data from hospitals in São Paulo. This is a joint work with Francisco Rocha (Federal University of São Paulo) and Paulo Dourado (University of São Paulo).

**Thursday, September 21, 2023, 3:30-4:30PM Eastern**

**133 Rosenau Hall**

Zoom Link: <https://unc.zoom.us/j/95131277245>

**Meeting ID: 951 3127 7245**

**Passcode: 203117**