

How did local health infrastructure and socio-political factors within different states and counties in the United States affect the disparities in COVID-19 outcomes, and what lessons can be learned for more targeted public health preparedness and response strategies in future pandemics?*

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First sentence. Second sentence. Third sentence. Fourth sentence.

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*Code and data are available at: <https://github.com/hannahyu07/US-Covid-Analysis.git>

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1 Introduction

This reproduction was performed after a replication on the Social Science Reproduction platform: [link here](#)

2 Data

2.1 Source

The datasets utilized throughout this paper was obtained from the original paper.

2.2 Methodology

2.3 Data Measurement

2.4 Data cleaning

3 Results

Our results are summarized in Figure [1](#).

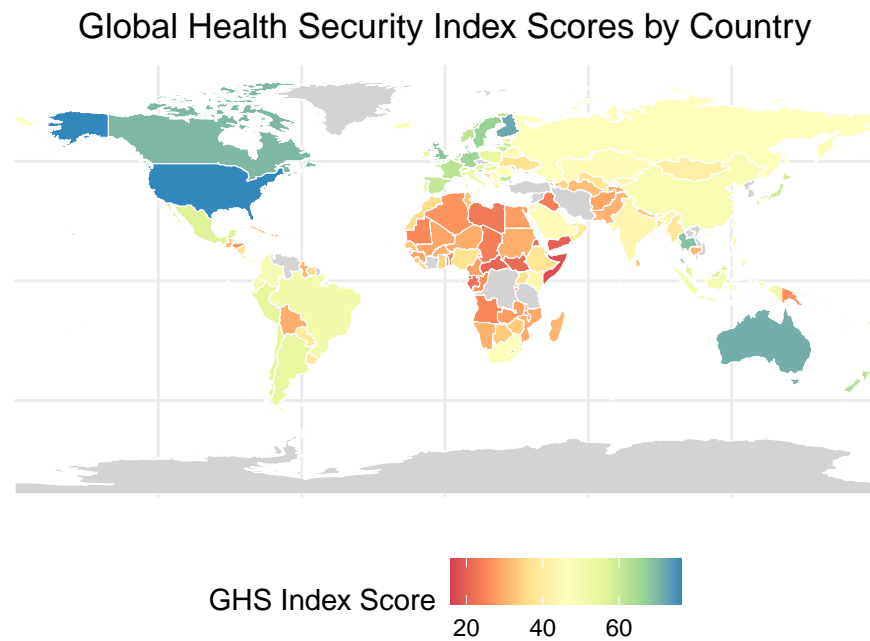


Figure 1: Global Health Security Index Scores by Country

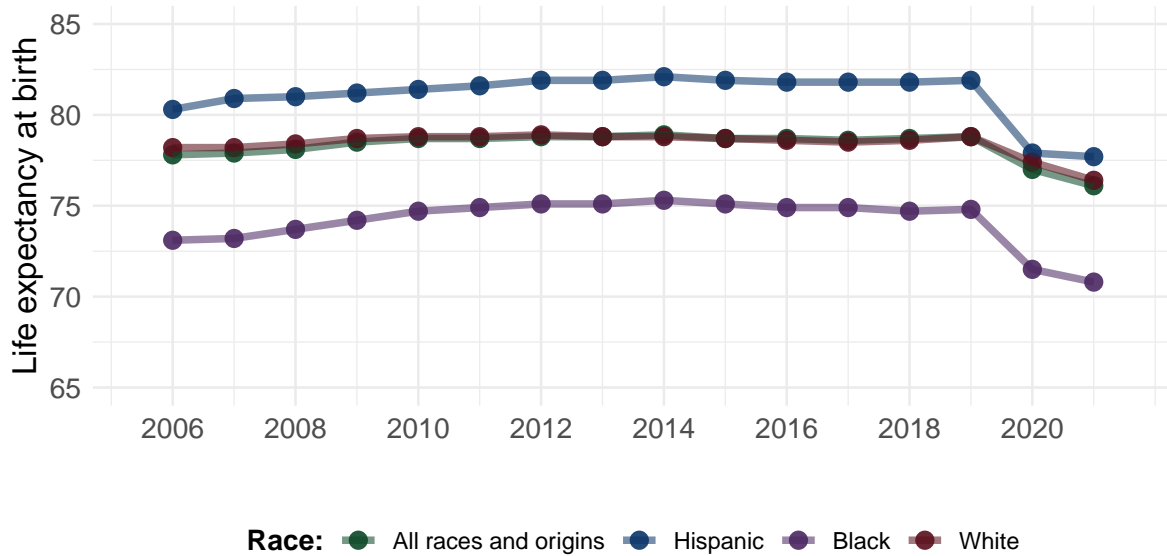


Figure 2: Estimates of Life Expectancy at Birth, by Race 2006-2021

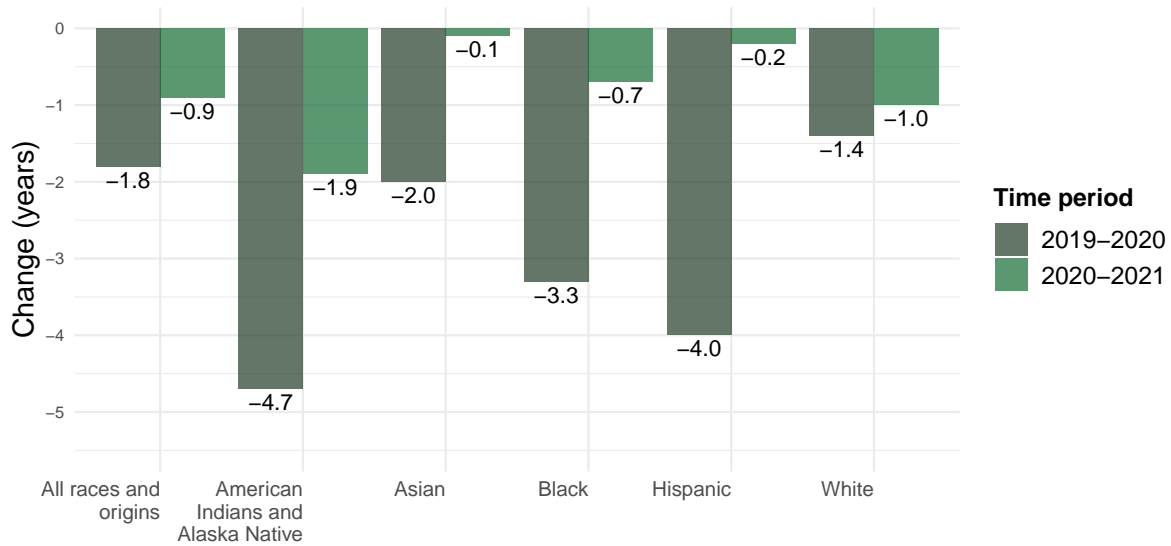


Figure 3: Change in Life Expectancy at Birth from the Previous Year

4 Discussion

4.1 Influence of political polarization on adherence to health guidelines.

4.2 Impact of government transparency and consistent communication on public trust.

4.3 Role of social vulnerabilities and healthcare access disparities in pandemic impact.

4.4 Strategies for improving real-time data collection and sharing for public health decisions.

4.5 Weaknesses and next steps

Weaknesses and next steps should also be included.

5 References