Socioeconomic Impacts of Viral Public Health Shocks on the Caribbean Region

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Scope

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Socioeconomic Impacts: Social + Economic

Viral Public Health Shocks: 6 Outbreaks

Caribbean Region: ECCU, CARICOM, Regional Trading Partners

Partners
## Purpose of the Research

<table>
<thead>
<tr>
<th>Public Benefits</th>
<th>Personal Benefits</th>
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<tbody>
<tr>
<td>Policy Recommendations</td>
<td>Curiosity</td>
</tr>
<tr>
<td>Improvements in Digital and Data Infrastructure</td>
<td>Learning</td>
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<tr>
<td>Resilience Among Vulnerable Groups</td>
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<tr>
<td>Proactive Approach to Problem Solving</td>
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Theories

1. There are similarities between how different regions were affected by the outbreaks.
2. There are differences between how different regions were affected by the outbreaks.
3. Males and females were not equally impacted by the outbreaks.
4. The working class members of society were more at risk than the elderly.
5. GDP, unemployment, and tourism were significantly impacted by the outbreaks.
## Theories 1 & 2: Similarities & Differences Between Regions

### Table: Outbreaks Between Regions

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Theory 3: Males and females were not equally impacted by the outbreaks

SARS Cases
Swine Flu Cases
Chikungunya Cases
COVID-19 Cases

COVID-19 Deaths

Light Blue = Female
Dark Blue = Male
Orange = Unknown
Theory 3 Cont’d: Males and females were not equally impacted by the outbreaks

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Deaths per 100,000 People Before, During and After the Spanish Flu
Theory 4: The working class members of society were more at risk than the elderly.
Theory 4: The working class members of society were more at risk than the elderly

Deaths Before and During the Spanish Flu
Theory 5: Unemployment was significantly impacted by the outbreaks of:

- SARS
- Swine Flu
- Chikungunya
- Zika
- COVID-19

Light Blue = Female
Dark Blue = Male
Theory 5 Cont’d: GDP was significantly impacted by the outbreaks

- SARS
- Swine Flu
- Chikungunya
- Zika
- COVID-19
Theory 5 Cont’d: Tourism was significantly impacted by the outbreaks of Swine Flu, Chikungunya, Zika, and COVID-19.
Next steps

- Additional data collection
- Hypothesis Testing
- Modelling
Challenges & Recommendations for Infrastructure

- **Digital/Data**
  - More data disaggregation is needed
  - Optimize website performance for data display
  - Ensuring the availability of data

- **Social**
  - Training and education in data collection and collation for health professionals

- **Financial**
  - Proper allocation of expenditure

- **Resilience**
  - Durable Systems
  - Contingency plans to protect the vulnerable based on facts
Thank You