

Locked down and locked in: the impact of COVID-19 on mental health

Alanood Al-Thani | Aisha Al-Remaihi | Advisor: Prof. Taeyong Park

Business Administration and Information Systems Program, Carnegie Mellon University in Qatar

Background

- The impact of isolation and loneliness caused by the COVID-19 pandemic might result in mental health problems and suicide risks.
- Does government restriction policies influence individuals' mental health?

Method

- Dependent variable: Daily Google search terms by US state (CounselingPsychology, insomnia, depression and AnxietyDisorder)
 - Time period: 23rd of February, 2020 17th of February, 2021
 - We assume that google search terms measure people's mental health conditions because when they have a concern they may seek information about it.
- Independent variable: Daily government restriction policies by state (from the U.S. Department of Health & Human Services).
 - Government restrictions examples: border closures, school closures, isolation and quarantine policies.
 - · Measured by adding 1+ for every instance that the government responded with a measure that impacted socialising.
- Controlled variables: Daily state-level Number of deaths caused by COVID-19 cases (from John Hopkins University of Medicine), positive COVID-19 cases, and unemployment benefit claims (from U.S. Department of Labor).
- Fixed-effects linear regression analysis: dummy variables for 50 states to control for state-specific characteristics.

Results

 Model 1 with state-fixed effects: an increase in government restriction policies increases people's searches for insomnia in the US. Model 2 with no state-fixed effects: an increase in government restriction policies increases people's searches for counseling psychology, insomnia, depression and anxiety disorder terms in the US.





Conclusion & Future Research

- This is the first empirical analysis that demonstrates the impact of government restriction policies on individual's mental health.
- This result will contribute to people's understanding of the potential consequences of the government restriction policies on an individual's wellbeing. Which allows preparations for supporting individuals suffering from mental illness.
 - For future research we should include variables for psychiatrist, clinical psychologist patient visits, medical system, and demographic and socio-economics characteristics by state.
 - · Include more search terms related to mental health.



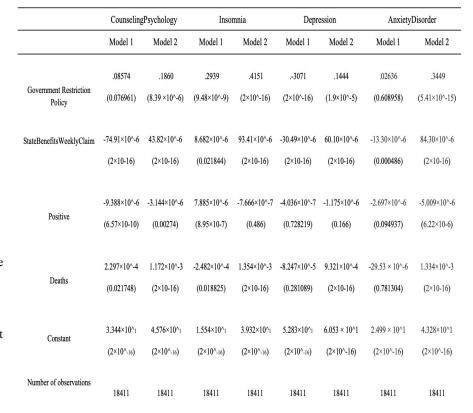




References

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Yes

In parentheses () are the P-values

Yes

State fixed effects



Yes