

COVID-19 Infections and Cognitive Impairment

Faculty Member: [Xi Chen](#)

Proposal Description: Much has been learned about SARS-CoV-2, the virus that causes the novel coronavirus, since the beginning of the COVID-19 pandemic. However, questions remain about the long-term impact of the virus on our brains. Clinical evidence shows that many people with the virus experience neuropsychiatric symptoms, including loss of smell and taste, and cognitive and attention deficits, known as “brain fog”. Moreover, individuals recovered from COVID-19 who experienced cognitive decline were more likely to have poor physical condition. However, more longitudinal research using population data is required to verify such findings in different contexts.

This project will examine COVID-19 exposures/infections and trajectories of cognitive ability among older adults. We will use individual-level longitudinal surveys that cover the United States and the United Kingdom. Through this project, the research assistants will engage in highly innovative and interdisciplinary teamwork.

Requisite Skills and Qualifications: Coursework in basic econometrics/statistics; basic knowledge of STATA or other statistical packages; attention to detail; ability to work independently are required. Some experience using social survey data is preferred.

Award: Tianyi Wang

Tobin Application Link: [Tobin Application](#)

Project Type: Tobin RA

Project Year: 2022

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