

# Neuropsychiatric Symptoms in Post-Acute Sequelae of COVID-19 (PASC)

Melissa J. Greenfield, Psy.D., Jamie Hansel Robinson, M.A., Pariya Fazeli Wheeler, Ph.D., Udit Vipul Shah, B.A., David E. Vance, Ph.D., Shruti P. Agnihotri, M.D., Richard Kennedy, Ph.D., Kristine Lokken, Ph.D., Kristen Triebel Gerstenecker, Psy.D., Adam Gerstenecker, Ph.D., Roy C. Martin, Ph.D., & Ronald M. Lazar, Ph.D.

## Introduction:

- There is an increase in first diagnosis of anxiety, PTSD, insomnia, and dementia in days 14-90 post-COVID infection
- ICU admissions result in higher risk of psychiatric complications; however, there is increased psychiatric sequelae, even with mild course of SARS-CoV-2 infection
- Few studies have reported on persisting neuropsychiatric symptoms of those with PASC

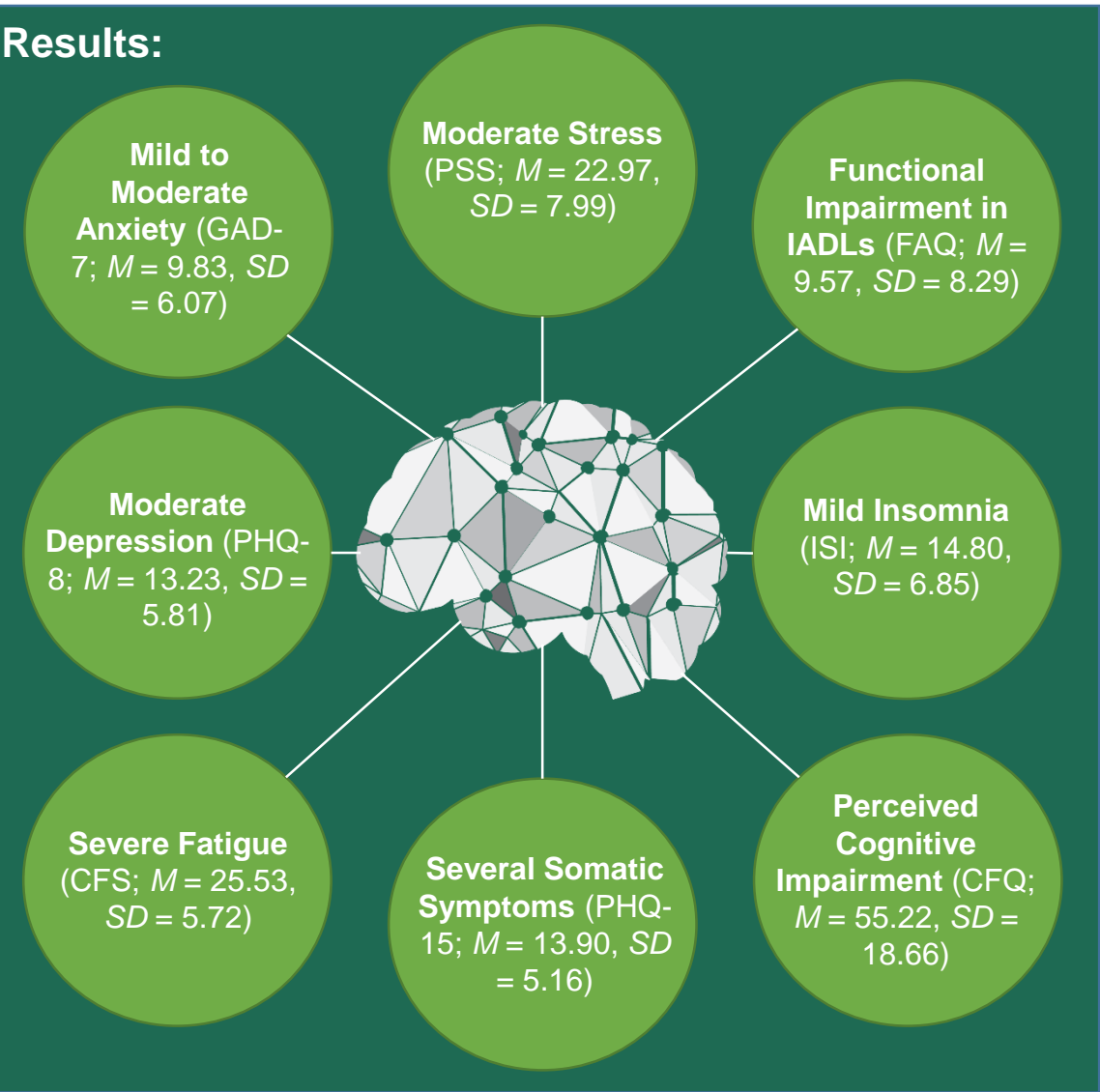
## Objective:

- To describe psychiatric symptoms in a sample of patients seeking treatment for “brain fog” related to Post-Acute Sequelae of COVID-19 (PASC)

## Method:

- This study examined 92 outpatients referred for neuropsychological evaluation from UAB Post-COVID Treatment Program
- Patients completed a battery of self-report questionnaires
- Patients were on average 49 years of age (range: 18 to 74), female (77%), and White/Caucasian (73%)/Black/African American (25%), with 15.49 years of education (SD = 2.43)

## Results:



## Conclusion:

- Patients seeking treatment for “long-COVID brain fog” report a variety of clinically significant psychiatric symptoms
- Such symptoms are known to affect cognitive function
- Future studies should incorporate behavioral, lifestyle, and psychological treatments to examine if brain fog symptoms can be alleviated with appropriate treatment of psychiatric symptoms
- Basic research into the underlying pathophysiologic processes & objective diagnostic markers of PASC is urgently needed

## Acknowledgments

This work is supported by the UAB Evelyn F. McKnight Brain Institute

Check out our other posters and supplemental information regarding our UAB NueroCOVID Database here:

