

OVERVIEW

MyCovidDiary is a clinical research project that uses technology to learn and document COVID-19 onset and disease progression. Sponsored by Providence, this clinical research project uses technology to collect and analyze first-person accounts of COVID-19 from thousands of individuals—with the hope of accelerating the medical identification, understanding and treatment of this novel disease.

In the study, we use Natural Language Processing technology to automatically 'read' the journal entries and identify symptoms and life experiences that are common across participants. We will use this information to map out a COVID-19 symptom timeline, that shows clinicians what people with this disease experience at each point in time after the disease starts, for a year. We will also look for patterns. For example, we're hoping to learn which combination of symptoms predicts a long or short duration of illness.

RESULTS

Providence is reaching out to any adult testing positive for COVID-19 at one of the labs in their health system. Since being launched in August 2020, over 5,000 COVID-19 positive patients are participating in the study with an engagement rate close to 40%. They have submitted over 45,000 survey responses.

ADDITIONAL RESOURCES

www.mycoviddiary.org

Team

PROVIDENCE MEDICAL ANALYTICS TEAM



Ari Robicsek, MD
Principal Investigator



Bradley Roberts, MD
Co-Investigator

DIG STRATEGY & COMMERCIALIZATION

Digital Ideation
Initial Twistle Pilot & Scaling
Go-To-Market Support

PROVIDENCE VENTURES

Portfolio Company: Twistle

Technology

TWISTLE

Automated pathways prompt users to journal

SECURE SMS MESSAGING

Prompting and journaling response collection

NATURAL LANGUAGE PROCESSING (NLP)

Data analysis via NLP developed by the Clinical Analytics team.

COMMUNICATION WEBSITE

Information for potential participants to get more information.

