**Full Title**  
A Prospective Cohort Study to Assess Longitudinal Immune Responses in Hospitalized Patients with COVID-19  
Immunophenotyping Assessment in a COVID-19 COHORT (IMPACC)

**Principal Investigator**  
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**Sub-Investigators**  
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**Primary Study Objectives**

- Describe the relationship between specific immunologic assessments and the severity of illness in hospitalized patients with COVID-19
- Detail the relationship between burden of disease and severity of illness in hospitalized patients with COVID-19
- Describe risk factors associated with requirements for respiratory support measures in hospitalized patients with COVID-19
- Describe immunologic characteristics associated with disease-severity, as reflected by mortality and specific measures of critical illness in hospitalized patients with COVID-19

**Inclusion Criteria**

- Male or female participants > age 18 years at the time of hospitalization
- Admitted to a hospital with presumptive or documented COVID-19, with confirmation of SARS-CoV-2 infection by PCR.
- Participant and/or surrogate understands the data to be collected and the study procedures and is willing to participate in the surveillance cohort

**Exclusion Criteria**

- Medical problems or conditions such as pregnancy which might impact interpretation of the immunologic data obtained
(Exclusion criteria continued...)

- Underlying medical problems which, in the opinion of the investigator may be associated with mortality unrelated to COVID-19 within 48 hours of hospitalization, or a decision by the patient or surrogate prior to hospitalization to limit care to comfort measures

**Affiliations & Sponsors**

NIH-NIAD, Drexel

**Keywords**

COVID-19, SARS-CoV-2, coronavirus, immunophenotyping