

<b>Category</b>	<b>Variable</b>	
Demographics and admission	Age	
	Gender	
	Race	
	Ethnicity	
	Admission reason	
	Prior residence	
	How did the patient arrive to the ED?	
	BMI	
History	Smoking history	
	Vaping history	
	Left ventricular ejection fraction documented prior to admission?	
	Does the patient have a history of Aortic Stenosis?	
	Has the patient received any type of dialysis prior to the hospital encounter?	
	Has the patient been on a home ventilator prior to the hospital encounter?	
	Is the patient on home oxygen?	
	Is the patient a healthcare worker?	
	Is the patient a service worker?	
	Previously treated by an opioid	
	Previously treated by a benzodiazepine	
	Previously treated by a sedative	
Comorbidities	AIDS or HIV	
	Diabetes - Uncomplicated	
	Hypertension	
	Hemiplegia or Paraplegia	
	Inflammatory Bowel Disease (i.e., Crohns or Ulcerative Colitis)	
	Leukemia	
	Lymphoma	
	Any Malignancy without Metastasis	
	Metastatic Solid Tumor	
	Mild Liver Disease	
	Moderate or Severe Liver Disease	
	Asthma	
	Moderate or Severe Kidney Disease	
	Myocardial Infarction (MI) (history of/prior event)	
	Transplant	
	Peptic Ulcer Disease	
	Peripheral Vascular Disorders	
	Rheumatoid Arthritis or Arthropathy/Connective Tissue	
	Venous Thromboembolism (DVT/PE)	
	Cardiovascular Disease	
	Cerebrovascular Disease	
	Chronic obstructive pulmonary disease (COPD)	
	Congestive heart failure (CHF)/Cardiomyopathy	
	Chronic Pulmonary Disease (other than asthma or COPD)	
	Dementia	
	Diabetes - Complicated	
	Number of comorbidities	
	Symptoms	Fever (measured temperature 99.0 - 100.4 [F])
		Fatigue
		Diarrhea
Nausea/vomiting		
Altered Mental Status		

<b>Category</b>	<b>Variable</b>
Symptoms cont.	None of the above
	Fever (measured temperature >100.4 [F])
	Subjective fever
	Generalized malaise
	Weakness
	Loss of taste
	Dyspnea / shortness of breath
	Loss of smell
	Hypoxia / new or escalated O2 requirement
	Cough (New or Worsening)
	Non-pleuritic chest pain
	Pleuritic chest pain
	Sputum productions
	Rhinorrhea
Myalgias	
Chief Complaint	Difficulty breathing or shortness of breath
	Cough
	Fever
	Chest pain
	Nausea or vomiting
	Diarrhea
Other chief complaint	
First recorded vitals during the hospital encounter (vital signs from ED if admitted from the ED)	Temperature
	Heart rate
	Respiratory rate
	Systolic blood pressure
	Diastolic blood pressure
	Pulse oximetry
Triage score	
Labs from day 1 or day 2 of hospitalization (first available)	Highest Lactate
	Highest Creatinine
	Highest Alanine Amino Transferase (ALT)
	Highest Total Bilirubin
	Highest White Blood Cell (WBC)
	Highest Troponin
	Highest Brain Natriuretic Peptide (BNP)
	Highest Ferritin
	Highest C-reactive protein (CRP)
	Highest Lactic Acid Dehydrogenase (LDH)
	Highest Procalcitonin
	Highest Hemoglobin (Hgb)
	Lowest Platelet
	Lowest Absolute Lymphocyte Count
Lowest pH	
Highest Fibrinogen	
Highest Interleukin 6 (IL-6)	
Highest erythrocyte sedimentation rate (ESR)	
Chest x-ray results from day 1 or day 2 of hospitalization (first available)	Air Spaced Density Disease
	Loculations
	New or Worsening Infiltrates
	Nodular Airspace Disease
Mass	

Category	Variable
Chest x-ray results from day 1 or day 2 of hospitalization (first available)	Pleural Effusion
	Pneumonia
	Pulmonary Edema
	Pulmonary Vascular Congestion
	No Evidence of Pneumonia
	No Change from Previous/No Interval Change
	Atelectasis
	Normal/No Abnormalities
	None of the Above Statements
	Post Obstructive Pneumonia
	Necrotizing Pneumonia
	Nodules
	Aspiration
	Aspiration Pneumonia
	Bronchial Wall Thickening/Pleural Thickening
	Bronchiectasis
	Emphysema/Emphysematous Changes
	Bronchopneumonia
	Hyperinflation
	Infection (Cannot Rule Out Infection, Likely Infection)
	Infiltrate (Not Specified)
	Interstitial Lung Disease/Interstitial Disease
	Neoplasm/Metastatic Disease/Malignancy
	Mucus Plugging/Plugging
	Pneumonitis
	Tree in Bud
	Interval Improvement or Resolution
	Abscess
	Cannot Rule Out Pneumonia
	Granuloma
	Opacities (central)
	Opacities (peripheral)
	Opacities (subpleural)
	Opacities (Not specified)
	Cavitation
	Consolidation
	Ground Glass
	Infiltrate (Single Lobe)
	Infiltrate (Multiple Lobes)
	Other abnormal finding
Any pneumonia indication on chest x-ray	

**eTable 1: List of predictive factors in the Mi-COVID19 data registry considered.**