



# COVID Patient Vulnerability List

The US healthcare system is already strained in key locales responding to the COVID outbreak, with potential for further resource constraints.

Understanding which patients are at highest risk can help health systems stretch their resources to reduce risk across vulnerable populations.

With the anticipated surge of patients, hospitals will see resources pushed to the limits. Hospitals will be converted to COVID-only hospitals, and ORs will be converted to ICU beds. There may be staffing shortages as frontline workers get ill, as well as shortages of equipment critical to preventing the spread of the virus and providing care for the severely ill.

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## How Jvion Can Help: Building a Proactive Pandemic Strategy

Jvion is leveraging its AI to provide health systems with data insights to support a shift from reactive to proactive pandemic response.

The reactive response many health systems are taking against the coronavirus adds to strain on resources and staff. Jvion can help shift the response to a more proactive strategy. Targeting the right patients with proactive measures ahead of time not only prevents the worst outcomes of prolonged hospitalization and death, but it flattens the curve and reduces COVID incidences in the most at-risk populations.



**Identify**  
Right Patients



**Target**  
Proactive Measures



**Flatten**  
Reduce Incidences

## The COVID Patient Vulnerability List

Leveraging your claims data, Jvion can deliver a **COVID Patient Vulnerability List** that includes:

1. Target list of patients most at risk for a severe course following COVID infection
2. Risk classifications based on patient risk of hospitalization, end organ failure, and death as a result of contracting a COVID-like respiratory virus
3. Clinical and socioeconomic factors driving patient risk

This information can aid in:

1. Proactively engaging patients with guidance to prevent the worst outcomes
2. Preparing hospitals/clinics for a possible surge of patients in advance
3. Proactively partnering with community groups to address the top socioeconomic contributing factors (i.e., providing food delivery services if transportation is limited, protecting the vulnerable from leaving their homes)
4. Proactively establishing mobile testing centers for vulnerable populations

# FAQ

## What are the anticipated benefits?

Proactively reduce viral spread among a hospital or health system's most vulnerable populations.

Reduce inpatient utilization by those most at risk with targeted prevention and early intervention.

Allocation of resources to the most severe cases.

## How will the insight be delivered?

Initially, a list of patients at high-risk for severe outcomes with COVID infection, delivered either by the Jvion portal or flat file.

The number of patients and filter parameters is determined by the customer.

## What client data is utilized?

837 claims data.

## How is the list maintained?

The list will mature over time, as the Jvion AI CORE aggregates more data.

## How does it work? How is it different from the risk scores other vendors offer?

Jvion will provide patient-level insight on a variety of risk factors that could lead to COVID morbidity and mortality. This level of granularity enables health systems to take specific actions (i.e., setting up mobile testing units, reaching out to patients, calling patients with preventive guidance, text campaign to get them into a mail order pharmacy).

The insights are based on the data contained in the Jvion AI CORE, including roughly 30 million patient records and thousands of related data points.

We are using a parallel target of poor outcomes from influenza viral infections to estimate risk. Jvion's AI will continue to learn as more COVID case data becomes available.

## About Jvion

### Clinical AI that prevents avoidable patient harm

Jvion™ helps healthcare organizations prevent avoidable patient harm, lower costs, improve quality and patient outcomes with clinical AI-enabled prescriptive analytics solutions. Jvion goes beyond simple predictive analytics and machine learning to identify patients on a trajectory to becoming high risk and for whom interventions will likely be successful. Jvion determines the interventions that will more effectively reduce risk and enable clinical action. It accelerates time to value by leveraging established patient-level intelligence to drive engagement across hospitals, populations, and patients.

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