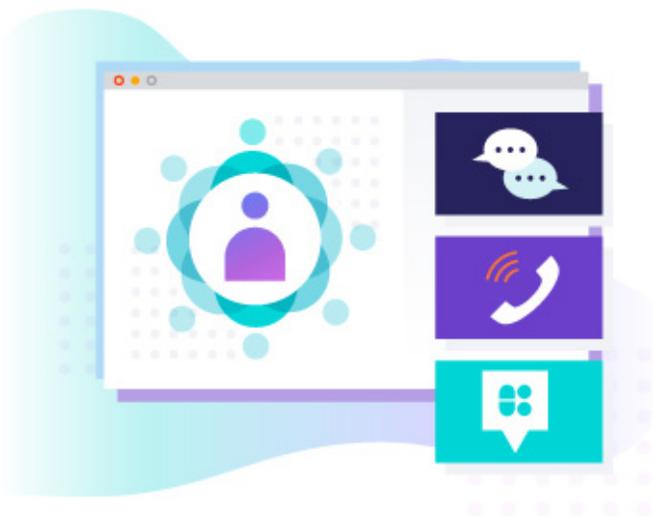




Optimizing Care In The Home Setting With AI-Enabled Prescriptive Intelligence

The Hospital at Home model has seen rapid adoption during the pandemic as patients seek a safer alternative to hospitals and long-term care facilities. Today, patients are advocating for care where they want it, when they want it and how they want it. The model works, but to reach its full potential, payers and providers alike need the help of AI-enabled prescriptive intelligence to identify and educate the patients most likely to be successful in the home care setting and guide care decisions and resource allocations based on a holistic understanding of future risk.



Leveraging Data to Drive Efficacy and Efficiency

A successful Hospital at Home strategy depends on the ability for providers and payers to not only identify patients who will succeed in the care mode, but quickly integrate data from multiple sources to understand the patient holistically and remotely. Health equity must be front and center and can only be addressed with a robust understanding of the non-clinical factors influencing patient outcomes. Aggregating the right information is only one step. Contextualizing that information, via the use of AI-enabled prescriptive analytics, is what ultimately allows care teams to draw meaningful conclusions that can be used to make quick decisions.

Research Confirms Patients Fare Better at Home Than in the Hospital¹

20% less mortality within 6 months

70% fewer readmissions within 30 days

38% less expensive than standard care

✓ Fewer complications
(pressure injuries, infections, etc.)

✓ Higher patient satisfaction scores

Two Ways AI-enabled Analytics Enables Effective Care and Cost Containment in the Home Setting

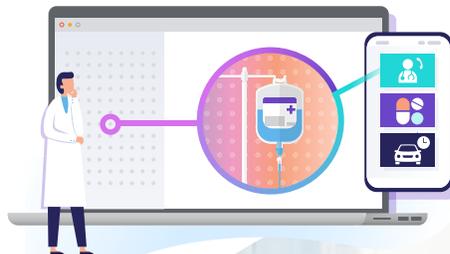
Addressing Barriers to Care

Social determinants of health (SDOH) determine up to 80% of health outcomes and are particularly important for patients receiving care at home. Does the patient have access to healthy food or a pharmacy? Do they know how to take their medications? Are there environmental health hazards at home? The Jvion CORE™ understands the influence these factors have on a patient's outcome and surfaces the specific areas that, if addressed, will drive towards the best outcome possible.

Additionally, the Jvion CORE can help organizations understand the vulnerabilities affecting the communities they service more broadly. This level allows organizations to identify where programs and resources are most needed.

Predicting Readmission Risk and Avoidable Admissions

Identifying and proactively caring for patients who may be on a trajectory towards an avoidable hospitalization is another way AI-enabled prescriptive insights can help — while there's still time to change the outcome. Insights from the Jvion CORE not only identify patients on a modifiable risk trajectory, but also provide clear guidance on how to address patients' modifiable risk drivers — clinical, socioeconomic, or behavioral.



20% 

Prescriptive Intelligence Reduces Readmissions by Over 20%

Readmission rates are a common benchmark for home health success. In 2020, a study peer-reviewed in Applied Clinical Informatics found that a Wisconsin Hospital reduced readmissions by 25% within six months of implementing the Jvion CORE.² Similarly, Northwell Health reduced readmissions by 23.6% in a matched control study by using the Jvion CORE.³



For more information on how Jvion can help your organization optimize resources and care planning for patients receiving care in the home, call (470) 427-2900 or email contact@jvion.com.

¹ American Hospital Association. The Value Initiative Issue Brief: Creating Value by Bringing Hospital Care Home, December 2020.

² Romero-Brufau, Santiago, et al. "Implementation of Artificial Intelligence-Based Clinical Decision Support to Reduce Hospital Readmissions at a Regional Hospital." Applied Clinical Informatics, vol. 11, no. 04, 2020, pp. 570-577. <https://doi.org/10.1055/s-0040-1715827>.

³ Mace, Scott. "Northwell Health Reduces Readmissions by 23% via Artificial Intelligence-Driven Predictions." HealthLeaders Media, 1 Sept. 2021. <https://www.healthleadersmedia.com/technology/northwell-health-reduces-readmissions-23-artificial-intelligence-driven-predictions>.

Clinical AI that prevents avoidable patient harm

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