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Midwest PSHP Reduces Admissions by 63% with Prescriptive AI
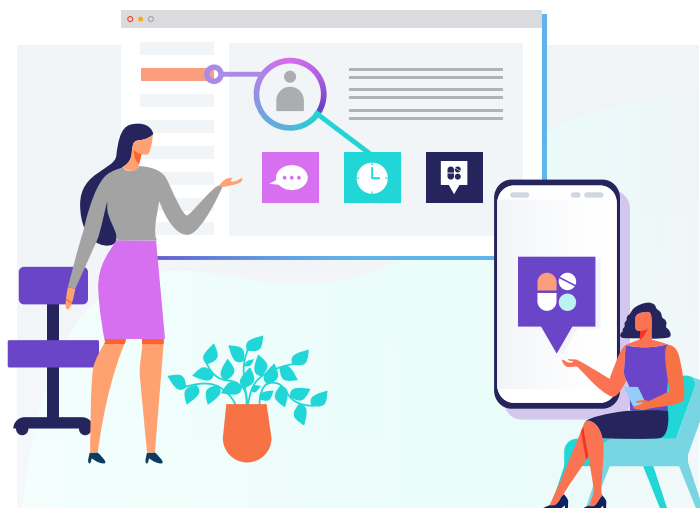
Avoidable admissions account for over $33 billion in hospital costs every year.

It's estimated that 12.9% of all inpatient admissions could be avoided with appropriate preventive care.[1] Consequently, directing preventive care to the patients at risk of admissions has become a priority for value-based care providers, particularly for those responsible for the costs through provider sponsored health plans (PSHPs).

But with hundreds of thousands of patients to manage, identifying patients at risk can be difficult. Traditionally, providers have turned to predictive analytics, leveraging the clinical data in their EHR to pinpoint patients at risk. But clinical data misses the full picture: **It's estimated that 80% of health outcomes are determined by socioeconomic and behavioral factors, not clinical factors.[2]**

For a more complete view of risk in their PSHP population, a Midwest health system with 2.4 million patients turned to Jvion. **With the CORE™, Jvion's prescriptive clinical AI solution, clinicians would see who was at risk for avoidable admissions**, why they were at risk — including socioeconomic and behavioral factors — and what interventions would address these risk factors to prevent admissions.

For more than a decade, Jvion has provided healthcare organizations with an accurate and concise way to find the health and financial risks driving avoidable adverse outcomes across care settings and member populations.

$22,543
Average cost of hospital admission[3]

1. https://www.hcup-us.ahrq.gov/reports/statbriefs/sb259-Potentially-Preventable-Hospitalizations-2017.pdf
2. https://pubmed.ncbi.nlm.nih.gov/26526164/
3. https://www.thelancet.com/journals/lanpub/article/PIIS2468-2667(18)30213-5/fulltext#seccestitle70

Clinical AI that prevents avoidable patient harm

To learn more call
(470) 427-2900
or visit jvion.com

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Prescriptive Clinical AI Guides Outreach For Patients At Risk

One of America's top health systems wanted to reduce avoidable admissions among members of their provider sponsored health plan (PSHP). The Jvion CORE™ helped target outreach to those at risk.

The CORE's outreach recommendations reduce avoidable admissions:

Avoidable Admission Rates:

	Standard Care	**5.55%**
	Jvion CORE Interventions	**2.07%**

The CORE understands patients to guide outreach:

- Patients at high and rising risk
- Socioeconomic barriers to health
- Behavioral risk factors
- Contact preferences

$528
saved for every successful patient outreach

$51M
projected annual savings[4]

4. Savings estimated for reducing avoidable admissions for the total population by the same rate as in the matched control study population.

Revealing Hidden Risk for Admissions

The CORE, Jvion's prescriptive clinical AI solution, looks beyond the obvious risk factors for admissions. By supplementing the health plan's claims data with data on socioeconomic and behavioral risk factors, the CORE reveals patients whose risk is invisible to traditional predictive analytics. For example, the CORE can indicate if a patient may not be able to afford their medication, or if they don't have access to transportation to their appointments, which can both increase their risk for an avoidable admission.

Prioritized Outreach Recommendations

Every week, care teams received a prioritized list of the patients whose admission risk could be reduced with the right interventions. The list not only showed why patients were at risk, it also recommended actions clinicians could take to reduce their risk. The CORE's recommendations helped care teams target their outreach to patients who could be impacted and showed them how to make a difference.

Avoiding Admissions and Saving Costs

In a matched-control study, patients that received interventions recommended by the CORE had 63% fewer admissions than the wider patient population. This ultimately saved the health plan $203,742 over four months. That means for every successful outreach guided by the CORE, the health plan saved $528. If this same reduction in admissions was achieved for the wider patient population, the health plan would save over $51 million per year. These results show the power of prescriptive clinical AI to prevent avoidable admissions, lower costs and improve the quality of care.

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