



Strategies to leverage data  
for improved home-based  
care outcomes

---

**MatrixCare**<sup>®</sup>  
by *ResMed*

# Strategies to leverage data for improved home-based care outcomes



There's an evident gap between the vast potential of data-driven insights and its application in home-based care, and many home health, hospice and palliative care providers may not yet recognize the transformative power of data or understand how to harness it effectively.

In this e-book, we aim to bridge this knowledge gap by:

1

Exploring how machine learning enhances utilization management and helps prevent unnecessary hospitalization

2

Discussing ideas to effectively automate communications and actions for patients and staff

3

Identifying how to leverage data through integrations

# 1

## Turn patient data into proactive care

As artificial intelligence becomes increasingly present in our world, home health and hospice providers have questions about how it will impact the market and evolution of their business.

While business intelligence uses data collected to determine what has happened, machine learning uses data science and predictive modeling to determine what will happen in the future. The ability to predict rehospitalizations by analyzing all the different factors of a patient and incorporating that knowledge into a clinical workflow can provide immense value for post-acute care providers.

What started as the standardized structured data sets in the EHR a decade ago has evolved into intelligent technology that can use OASIS as a rich data set to create these predictive models. We're now able to take in more information throughout the care journey, including unstructured data during comprehensive assessments and in the home, and incorporate that into the ability to predict future events.

Patients entering home-based care are already at higher risk than the rest of the population for rehospitalization. They're coming from a hospital stay, likely older and dealing with significant health issues. The question isn't whether these patients are at risk to be hospitalized, it's how at risk they are compared to each other — and what resources can manage that risk.



# 2

## Embrace effective automation

You can't just keep stacking technology year after year. Tools should be effective, not adopted just for the sake of having it. So how can you leverage data with fewer resources?

Two areas of automation align with the goal of leveraging data and addressing resource constraints: interoperability and remote patient support.

### Interoperability

HIMSS defines interoperability as the ability of different information technology systems and software applications to communicate, exchange data and use the information that has been exchanged.

Providers must be able to share data and take action on it to impact patient care. Interoperability allows them to not only move information, but also make use of it.

### Remote patient support

In our post-pandemic era of care, virtual care is more common than ever — as well as an expectation among patients and their families. Likewise, federal government and commercial payor initiatives are starting to mandate remote patient support tools due to a greater understanding of the benefits of providing care in the home.

“People want to be in the home and the technology exists to be there. But more than that, it's the willingness of the people to use those technologies that has really changed.”

—Rob Stoltz  
Senior Director,  
Strategic Initiatives,  
MatrixCare



# 3

## Leverage machine learning through integrations

As an industry, we need more than just communication tools.

Our integrated, all-in-one suite of solutions is built to improve care team, partner, patient and family engagement and support.

> Forms	> Patient onboarding	> Video chat
> Delivery coordination	> Integration engine	> Secure messaging
> App-less signature and messaging	> Multi-lingual support	> On-demand patient education





# Data will drive the future of home-based care

The future of home health, hospice and palliative care will revolve around data-driven care. Focusing on these strategies will position your organization for managing populations by enabling clinical responses that can include the clinicians, patients and families — ultimately optimizing the constrained resources of today's healthcare market.

---

Visit [matrixcare.com](https://matrixcare.com) or call **866.469.3766** for more information or to request a demo.