

Intelligence in real-time for homecare monitoring

Smile Digital Health | Vantiq

Addressing critical healthcare challenges

"Uncoordinated homecare services contribute to an estimated \$30 billion in avoidable hospital readmissions in the U.S. alone," according to the Alliance for Home Health Quality and Innovation.¹

Many homecare patients suffer from delayed interventions, fragmented data and limited real-time monitoring, leading to missed warning signs and preventable hospitalizations.



The root cause...

Homecare patients with chronic conditions face significant risk due to:

- **Delayed response** – traditional monitoring systems fail to contextualize high-volume data in real time, leading to alarm fatigue and missed warning signs.
- **Fragmented data** – disconnected data sources prevent clinicians from obtaining a complete patient view, resulting in reactive rather than proactive care.
- **Scalability issues** – many homecare solutions struggle to expand efficiently while maintaining high-quality patient monitoring.

A smarter, real-time solution

The joint solution integrates Vantiq's intelligent platform with Smile Digital Health's Fast Healthcare Interoperability Resources (FHIR®)-based framework enabling proactive, real-time patient monitoring for early intervention and improved outcomes.

Key features include



AI-powered alerts & summaries

Vantiq's AI-driven insights and FHIR data from Smile's FHIR-based data provides real-time recommendations



Real-time sensor readings

IoT sensors track vitals, detect anomalies, and predict issues for early intervention



Scalability & efficiency

Easily integrates and expands without adding IT overhead



Seamless interoperability

Smile's framework with Vantiq's intelligent platform ensures real-time, seamless EHR and IT system connectivity



Why Smile Digital Health chose VantIQ

Reliability



Patented technology ensures systems perform when it matters most

Scalability



Grows with your needs—without hidden costs

Agility



Rapid development and innovation, driving lower costs and faster results

Trustworthy



Patented technology to dramatically reduce hallucinations

Security



Your data, your environment—always under your control

Adaptability



AI empowered workflows that evolve with your systems, people and processes

Transforming homecare with intelligence in real-time

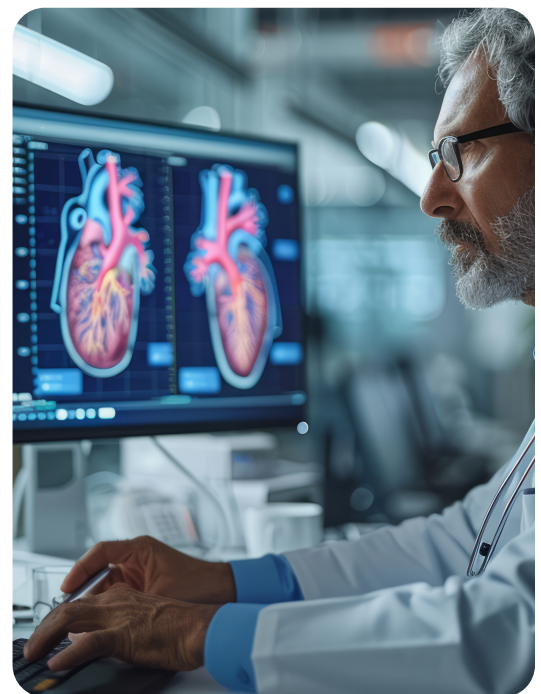
- **Prevent health crises** – early alerts enable timely interventions, reducing ER visits and hospitalizations.
- **Comprehensive patient view** – unified real-time and historical data enhance clinical decision-making and patient management.
- **Scalability & efficiency** – designed for seamless integration and expansion, eliminating additional IT burdens.
- **Staff workload reduction** – automated monitoring and real-time intelligent alerts minimize manual workloads, allowing healthcare professionals to focus on high-value tasks.

Summary

By combining AI-driven intelligence with seamless healthcare interoperability, the Smile Digital Health-VantIQ partnership is transforming homecare monitoring. This solution bridges data gaps, automates real-time decision-making and enhances patient safety through proactive interventions. With AI-powered alerts, continuous sensor monitoring and seamless EHR integration, healthcare providers gain a comprehensive, real-time view of patient health—reducing hospital readmissions, improving care coordination and streamlining clinical workflows. Designed for scalability and rapid deployment, this innovative approach ensures **higher efficiency, better outcomes and lower costs** in home-based healthcare.

About Smile Digital Health

Smile Digital Health is a FHIR®-first health data solutions company providing the most advanced platform for managing and exchanging healthcare data. Our enterprise-grade, open framework data platform ensures compliance with industry mandates while driving data unification, enrichment and interoperability.



¹ Alliance for Home Health Quality and Innovation. (2020). "The Future of Home Health Care: A Strategic Framework for Optimizing Value."

VantIQ is the leading platform for rapidly building and running intelligent systems that power mission-critical automation. Designed for environments where milliseconds matter, VantIQ integrates GenAI, Agentic AI, edge computing and IoT to deliver intelligence in real-time driving immediate action—accelerating digital transformation for healthcare, public safety, smart infrastructure and defense.

Leading innovators—including NTT DATA, Huron and NEC—are building next-generation software on the VantIQ platform to meet the demands of a real-time world. For more information, visit vantiq.com