INFOVISION
#AccelerateDigital

Telemedicine solution for long-term care facilities

InfoVision developed a HIPAA-compliant telemedicine platform for a telemedicine company, enabling instant medical access for long-term care and skilled nursing facilities. This resulted in a 27% reduction in hospital readmissions and the implementation of a scalable solution for future AI and ML integration.

Impact

HIPAA-compliant telemedicine solution

27%

reduction in hospital readmission rate

24/7

patient care module for continuous support

Scalable for future integration of **AI, ML, and PowerBI**

Client overview

A prominent telemedicine company serving long-term care (LTC) and skilled nursing facilities, providing essential medical care solutions for assisted living.

Problem statement

The client needed a robust telemedicine platform to improve healthcare delivery for long-term care (LTC) and skilled nursing facilities. They wanted a system that allowed instant access to medical care, reduced hospital readmissions, and integrated seamlessly with existing EMR systems. Additionally, it needed to support remote participation from specialists and family members during consultations, while ensuring compliance with healthcare regulations.

Solution delivered
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InfoVision designed, developed, and tested a comprehensive telemedicine platform built on Microsoft Azure, focusing on seamless communication and integration

HIPAA-compliant telemedicine platform
Developed a fully compliant solution tailored to the needs of LTCs and skilled nursing facilities.

Omnichannel conversations
Integrated Vonage to enable rich video conferencing, programmable messaging, and voice for seamless communication between healthcare providers and patients.

Mobile apps for providers
Delivered native Android and iOS apps that allowed doctors to conduct consultations on the go, improving accessibility and care delivery.

SOAP progress notes
Implemented SOAP and progress note features for documentation post-consultation.

EMR integration
Seamlessly integrated with leading EMR systems, including PointClickCare and MatrixCare, ensuring continuity of care and data flow.

eRounding feature
Enabled providers to perform virtual rounding via telemedicine, enhancing care management in facilities.

QIPP implementation
Deployed the Quality Incentive Payment Program (QIPP) to improve nursing home service quality.

Tech stack
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Authorize.NET
for secure payment integration

ASP.NET MVC
for backend development

Web API and Microsoft SQL
Server for data management

SignalR
for real-time communication

Kendo UI
for frontend framework

Azure
for cloud services and scalability

Tokbox (Vonage)
for video conferencing

Android and iOS
for mobile app development