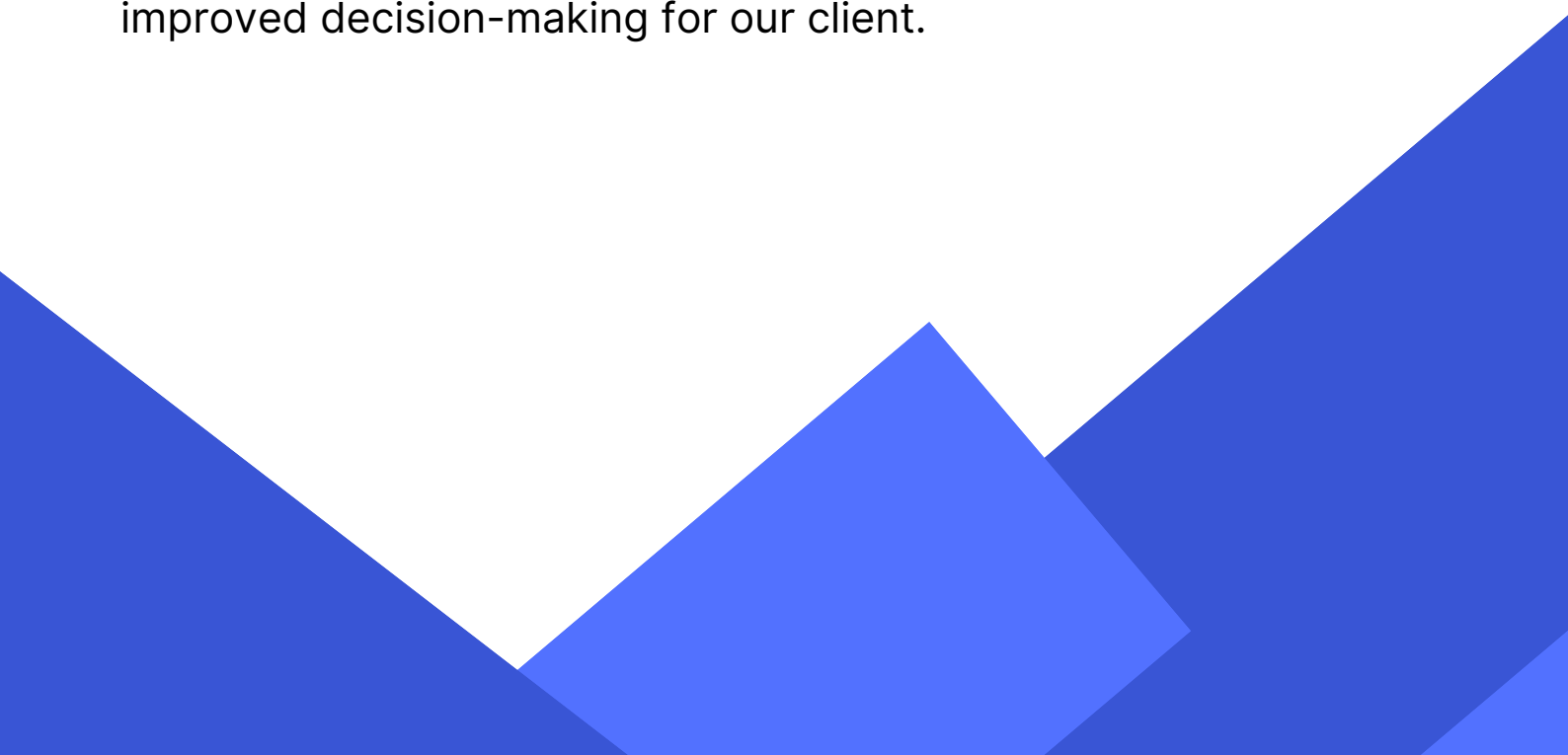


## SmartMeter RPM Implementation

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# How our Client Cut 35% Record Access Delays and Boosted Real-Time Monitoring

Discover how real-time data flow reshaped remote care and improved decision-making for our client.



Our client is a forward-thinking healthcare provider looking to boost their remote patient monitoring with modern digital tools.

They wanted a system that could pull in patient data smoothly from SmartMeter RPM device, help them spot trends quickly, improve real-time monitoring remotely, and provide healthcare professionals with actionable insights, all without compromising patient privacy or system performance.

## Challenges Faced by our Client

Before working with us, the client was struggling with some pretty common, yet frustrating issues:

- 1] Patient vitals were gathered manually or through separate systems. This made it hard to see the whole picture of a patient's health, and sometimes crucial information was delayed.
- 2] Their current EHR system wasn't set up for real-time data from third-party RPM devices. This led to interoperability problems and inconsistent data mapping that slowed down decision-making.

3] Because data was recorded manually, clinicians often had to work with old or incomplete data. This made it tough to respond quickly when a patient's condition changed.

4] Without smart filtering, the system bombarded clinicians with too many alerts, many of which weren't critical. This noise sometimes meant that important warnings got lost in the shuffle.

## How Our Client Was Affected by These Challenges

These challenges led to delays in care, increased data errors, and made it difficult for our client to access accurate, real-time patient information when it mattered most.

**35%**

Delay in accessing complete patient records

**30%**

increase in data mapping errors and interoperability issues

**20** Minutes

On average, behind real-time data access

# CapMinds Solution

CapMinds stepped in with a solution that directly tackled these issues. Here's what we did:

- 1] We developed a custom API layer that hooked the SmartMeter RPM devices right into the existing EHR system. Using secure protocols like HL7 and FHIR, we ensured data flowed in real time, both ways.
- 2] We transformed raw sensor data into standardized, meaningful metrics. A user-friendly dashboard was built to display:
  - Trend graphs that are easy to interpret.
  - Real-time vital signs.
  - Automated status indicators like "At Risk" or "Normal" are based on preset thresholds.
- 3] We added intelligent filtering to cut through the noise. The system now only sends alerts when there's a significant change, so clinicians aren't overwhelmed.

3] We didn't compromise on security. All data transfers are encrypted, and our solution meets strict healthcare regulations like HIPAA. Ensuring patient privacy is always a top priority.

## Post Implementation Benefits for Our Client

After the SmartMeter RPM system was up and running, the client experienced a host of benefits:

### Instant Alerts

Providers and nurses now get real-time updates on patient data, which means they can act fast when needed.

### Time Savings

With data automatically collected and sorted, clinicians significantly reduce the time spent manually recording patient data.

### Patient Clarity

The easy-to-understand dashboards give patients clear insights into their health, encouraging them to stick to their treatment plans.

### Cost Reduction

By streamlining processes, the client has reduced unnecessary tests and emergency interventions, which saves money overall.

## **Better Decisions**

The clear analytics have empowered the healthcare team to make better, more informed decisions, improving overall patient outcomes.

CapMinds' integration of the SmartMeter RPM device into the existing EHR system has not only solved critical challenges but also paved the way for smarter, more efficient patient monitoring.

This has led to faster interventions, better patient care, and a smoother workflow for healthcare professionals.

# **CapMinds Custom RPM Solution**

At CapMinds, we help healthcare providers like you design and implement tailored Remote Patient Monitoring solutions that fit your unique workflows.

From customized RPM dashboards and real-time data monitoring to EHR integration and intelligent alert systems, we make sure your team has everything it needs to deliver smarter, faster, and more connected care.

Contact CapMinds for a Reliable Remote Patient Monitoring Solution ->

**Get Started**