



The ViCare System

Empowering Virtual Health with Applied AI

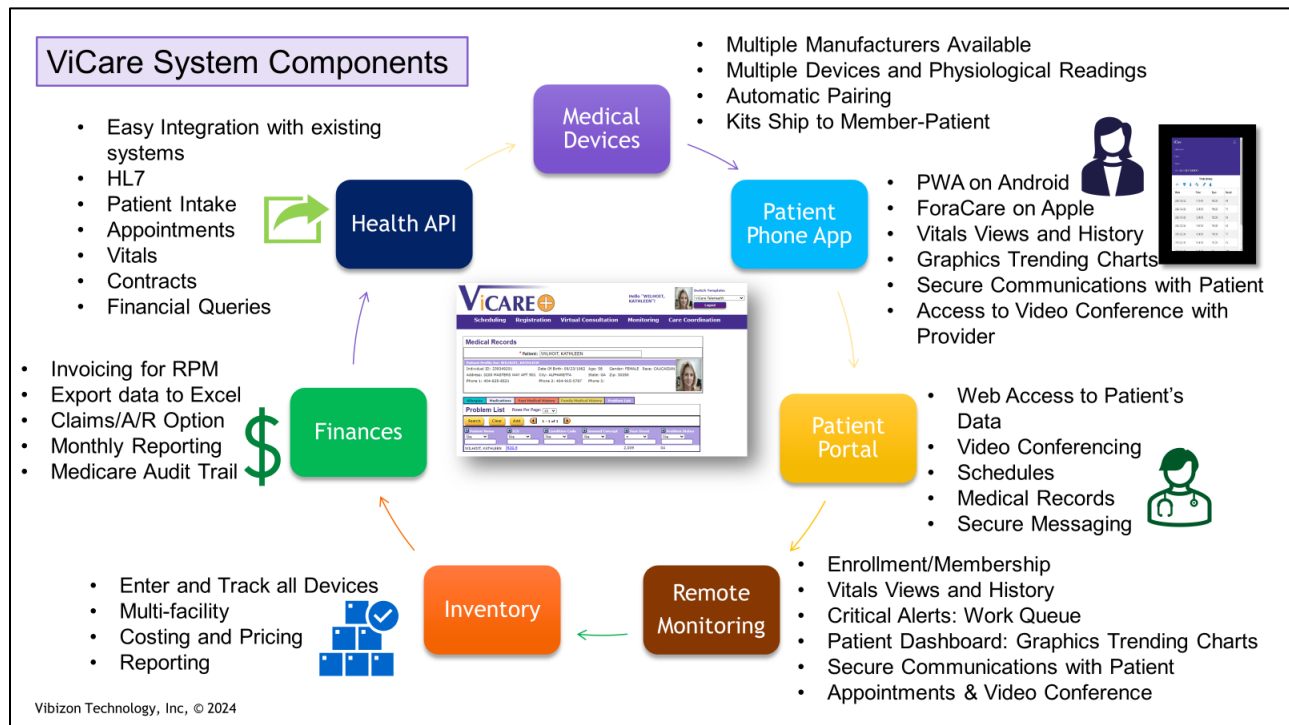


Synergy System, Inc., a privately held AI-powered information technology company headquartered in Metro Atlanta, GA, proudly introduces the **ViCare System** (ViCare), a comprehensive virtual health application platform. ViCare is a turnkey applied AI solution that addresses the complete spectrum of current and future telehealth technologies in one place (e.g., video consultations, remote patient monitoring (RPM), wearables, remote diagnostics, etc.). The ViCare solution enables telemedicine practitioners to provide and coordinate virtual care for remote patients while efficiently managing their virtual health businesses.

Seeking Collaborative Partnerships. Synergy actively seeks collaboration with forward-leaning organizations aiming for virtual health leadership, particularly in the expanding RPM market. Our leadership team boasts strong AI technology expertise and extensive experience in insurance and health markets. We have previously delivered health IT solutions to reputable organizations such as Blue Cross of California Managed Care, American Medical International (AMI), Lincoln National Corporation, McKesson Corporation, and Radiology Centers (subsequently acquired by RadNet).

The Value Proposition of ViCare. The ViCare System's value proposition lies in its AI-powered, future-ready, and configurable application platform. It caters to the diverse needs of all participants in the virtual health and virtual care environment, including patients, providers, practices, and payers. By seamlessly integrating video consultations, RPM services, and robust business management features, ViCare addresses the gaps left by current piecemeal virtual health offerings. Our solution ensures cost-effectiveness, ease of maintenance, and readiness for the growing market.

Navigating Opportunities and Challenges. The global virtual health market is rapidly expanding, driven by increased adoption due to the COVID-19 pandemic, the needs of an aging population with chronic diseases, and the demand for healthcare access in rural and underserved areas. Virtual health, encompassing video consultations and RPM, significantly reduces healthcare costs by minimizing hospital readmissions and emergency visits. It also enhances operational efficiency, proactive care management, and patient satisfaction. Regulatory support and expanded insurance coverage create new revenue streams for provider businesses through subscription models and value-added services.



ViCare: Supporting the Spectrum of Virtual Health Operations. For providers and their businesses, ViCare offers a comprehensive suite of features:

- Video Consultations**
- Remote Patient Monitoring**
- Real-time Dashboards with Alerts**
- Provider-to-Provider Management**
- EHR Integration**
- Flexible Workflows**
- Secure Access**
- E-business Support (Patient Registration, Insurance Billing, Device Inventory, Scheduling, and HR)**

Patients benefit from ViCare's user-friendly interface, supporting video consultations and Bluetooth connections to home monitoring equipment via smart devices. ViCare's flexibility allows customization to meet the unique needs of individual patients, clinical practices, home health organizations, and healthcare enterprises.

ViCare: RPM and Decision Making. In the realm of quality healthcare, remote physiologic connection with patients is rapidly becoming the new standard. However, many vertical, first generation RPM offerings fall short—they merely provide devices for vital sign data transmission without addressing the complexities of comprehensive real-time patient monitoring and the necessary administrative support. This places an undue burden on medical personnel, who must sift through vast amounts of data to make critical decisions.

Enter ViCare—a game-changer in the field. ViCare’s AI-powered RPM capabilities automate monitoring and alerts, liberating medical professionals to focus on relevant, intelligently organized information. By doing so, ViCare saves time and significantly improves patient outcomes. Currently, ViCare supports essential physiologic parameters, including blood pressure (BP), heart rate (HR), blood oxygen levels (pO2), blood glucose, temperature, weight, and BMI. Moreover, ViCare readily adapts to emerging device technologies, ensuring it remains at the forefront of innovation.

Future-Ready and Adaptable. ViCare’s agility extends beyond its current capabilities. It swiftly onboards new types of remote monitoring devices, including wearables and diagnostics. As a secure, scalable, flexible, and HIPAA-compliant platform, ViCare seamlessly adapts to changing market needs and technological advancements.

The Power of RPM: Transforming Chronic Disease Management. Research consistently demonstrates the profound impact of RPM on patient health and well-being. For patients with chronic conditions—such as heart failure, diabetes, hypertension, and chronic obstructive pulmonary disease (COPD)—RPM offers tangible benefits:

- **Heart Failure Management:** Remotely monitored heart failure patients experience fewer hospital readmissions and emergency visits. Their symptoms are better managed, leading to improved medication adherence.
- **Diabetes Care:** Continuous glucose monitoring via RPM results in better glycemic control, reduced HbA1c levels, and fewer diabetes-related complications.
- **Hypertension Control:** RPM helps hypertensive patients achieve better blood pressure control, ultimately reducing the risk of cardiovascular events.
- **COPD Management:** RPM contributes to lower unplanned hospitalizations, improved patient satisfaction, better clinical outcomes, and enhanced self-management.

Enhancing Patient Engagement and Quality of Life. The convenience and continuous monitoring provided by RPM empower patients. They feel more in control of their health, benefiting from timely medical interventions and personalized care. Notably, this comprehensive approach significantly reduces healthcare costs by minimizing hospital admissions and emergency room visits.

ViCare Technology: Revolutionizing Applied AI Applications. Traditional software development often involves complex, time-consuming tasks, demanding highly skilled developers to write and maintain extensive source code. In contrast, the ViCare System takes a groundbreaking approach. ViCare is an example of an Applied AI Application—code-free practical software created, operated, and maintained with advanced AI tools and methods. It leverages **operational specifications**—high-level, natural language (NL) descriptions that define both the business logic and program structure of an application. A novel neural net efficiently converts these specs into **NL processing logic**.

Additionally, ViCare employs a sophisticated **AI engine** that interprets NL processing logic at runtime, directly translating the result into machine language. This dynamic processing ensures real-time computation and optimization, delivering optimal performance without the need for traditional source code and compilation.

Efficiency, Agility, and Security. By embracing operational specs, NL processing logic, and an AI engine, Synergy significantly reduces development, operating, and maintenance costs for the ViCare System. Change management occurs seamlessly at the specification level, instantly reflecting updates in the application without recompilation or redeployment. This streamlined process minimizes errors and saves valuable time and resources.

ViCare's core technology prioritizes security and operational efficiency. Its integrated **DevSecOps** approach embeds security measures from the outset, safeguarding applications against vulnerabilities.

The Future of Enterprise Applications. ViCare's cost-effective, adaptable solution is an example of Synergy's ability to:

- **Prototype and Deploy New Applications Quickly**
- **Seamlessly Update and Maintain Existing Ones**
- **Enhance Security and Operational Efficiency**

Applied AI applications like ViCare transform business processes, ensuring companies stay ahead of the competition in this dynamic landscape.

Synergy System, Inc.
2993 Sandy Plains Road, Suite 120
Marietta GA, 30066
678.841.0911
paul.harrison@synergysysteminc.com