

CASE STUDY
**Accelerate
Health
Screenings
with QurBook**

ABOUT THE CLIENT

An internationally recognized technology leader in developing optical systems and optoelectronics for health care is shaping technological progress in health care. Through their solutions, they are extending the horizon of the world of optics and associated areas within the health care industry.

Their team of engineers develops, produces and distributes highly innovative solutions for industrial metrology and quality assurance; microscopy solutions for the life sciences and materials research; and medical technology solutions for diagnostics and treatment in ophthalmology and microsurgery.

CLIENT CHALLENGE

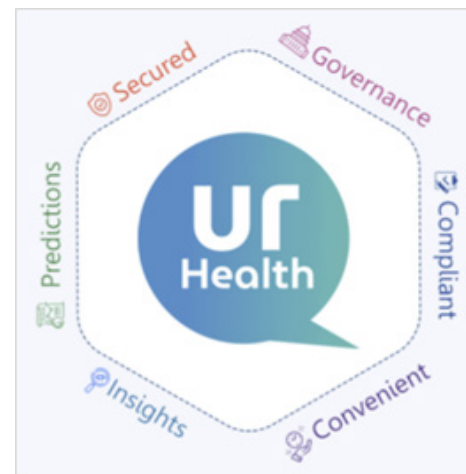
The management team faced difficulties monitoring and managing health screenings for 1,200 employees across dispersed geographical locations. These screenings are an essential part of the corporate employee culture. Annual screenings benefit the personal lives and well-being of the workforce and help create a sense of care and attention for company employees.

Screenings require complicated coordination and specific workflows that are often tailored to each employee's needs. The company required a solution that would simplify the health screening process, allow users to use mobile devices to manage their schedules and provide a centralized management and reporting system.

The leadership team was not able to serve their employees' health needs in a way that was convenient, reliable and highly secure on their own. Ventech Solutions was eager to help.

OUR SOLUTION

The Ventech Solutions technology team provided management with a specific service offering from our health care suite called [QurHealth](#). QurHealth is an integrated suite of health services that leverages Amazon Web Services (AWS) technologies. Components of QurHealth work collectively to deliver digital health capabilities supported by an artificial intelligence (AI) powered conversational assistant. These services connect families, health providers and care coordination teams with a rich array of information needed to improve care, outcomes and quality of life. QurHealth provides:



- Online doctor consultations and live health screenings
- Bedside remote monitoring system with QurHome services
- A solution for doctors, patients and families to consolidate, manage and share fitness and health data generated from a myriad of sources using QurBook
- Integrated appointment scheduling capability for patients with QurBook
- Health data analytics for patients and doctors using QurPlus – Data Analytics
- Sheela digital assistant that simplifies and integrates QurHealth services with voice commands
- Remote Therapeutic Monitoring (RTM) and Remote Physiologic Monitoring (RPM) for licensed clinicians to adjust care plans, collect vital signs, track patient-reported symptoms, help ensure adherence to care activities and provide real-time alerts to all patient-consented parties when circumstances warrant
- The ability to procure services and health products using QurStore
- [HITRUST](#) certified and Federal Information Security Management Act (FISMA) and Health Insurance Portability and Accountability (HIPAA) compliant

Our client success managers successfully integrated our QurBook personalized patient care services within the health environment. QurBook is a patient engagement platform that establishes collaboration between the doctor and the patient to centrally access health records and vitals to provide quality patient care. Employee health checks are now arranged via QurBook services with the help of care coordinators based in different office locations.

Powered by AWS, QurBook and QurHealth leverage specialized AWS services that ensure employees are getting fast, reliable services. The following table lists the QurHealth technology area and AWS services used.

Technology Area	AWS Services Used by QurHealth
Containers	AWS Elastic Container Service (ECS) Docker AWS EKS (Elastic Kubernetes Service)
File Transfer	AWS Transfer for Secure FTP (SFTP)
Email service	AWS Simple Email Service (SES)
Monitoring	AWS CloudCheckr
Logging	AWS CloudTrail
Big Data	AWS EMR (Elastic Map Reduce) - Hadoop Service AWS Glue
Analytics	AWS Athena
Serverless	AWS Lambda
Database	AWS RDS (Relational Database Service) AWS MongoDB AWS Aurora
Automation	AWS Cloud Formation
Backup/Recovery	AWS Backup

Table 1: QurHealth Services leverage AWS (Amazon Web Services) technology

RESULTS & BENEFITS

Today, company employees seamlessly manage their health screenings directly with their doctors using mobile technology. With over 1,200 users and 800 health checks conducted, people are leveraging online doctor consultations and live health screenings anywhere they are. In addition, QurHealth reports help the leadership team formulate better methods to serve the health of the workforce.

ABOUT VENTECH SOLUTIONS

Ventech Solutions is a technology and health care solutions provider that leverages emerging technologies to deliver a wide range of enterprise services including cloud modernization, infrastructure, data, security and service integration support. Ventech Solutions leads and manages some of the most critical technology transformation initiatives for the public sector that empower government agencies to achieve their mission. For more information, visit www.ventechsolutions.com.