

# The eCare21 Virtual Care Solution, powered by Dell Technologies

Dell Technologies and eCare21 have collaborated to create a solution that informs caregivers, care team members, and healthcare professionals to make treatment decisions that lead to better patient outcomes and help reduce hospitalizations and readmission penalties through preventive care.

## Key benefits and value

- **24/7 Remote Patient Monitoring (RPM):** Compliant-clinical documentation available for all insured patients
- **Improve Care Coordination:** Workflows available to help with early detection of adverse events, patient education, and the patient care plan
- **Mobile App and Platform:** Medicare-friendly iOS and Android apps that directly integrate with FDA-cleared devices
- **CMS Recognizes Virtual Care:** New CPT codes for providing additional reimbursement for remote patient health data monitoring

## Healthcare Challenges: Advance Patient Care, Improve Efficiencies, and Optimize Assets

The U.S. Healthcare system is facing complex clinical and financial challenges. Case studies have demonstrated that preventive care combined with remote patient monitoring (RPM) reduces hospitalizations, improves outcomes, and drives down healthcare costs.

Aging demographics with multiple chronic conditions (MCC) require additional patient care. Getting patients to monitor their vitals consistently is crucial for obtaining healthcare data for enhanced clinical decisions.

## What is eCare21 Virtual Care?

eCare21 is a mobile platform that links friends, family, caregivers, care team members, and healthcare professionals in a patient-centered model of care. The eCare21 Virtual Care solution provides active real-time and asynchronous RPM and telehealth capabilities through, for example, medication and care plan management.

eCare21 leverages low-cost, off-the-shelf smart devices, including wearables, to monitor and track glucose levels, blood pressure, physical activity, medication adherence, weight ranges, sleep stages, and other key health indicators. Patient health information is stored securely in the cloud and is made available to authorized stakeholders in the patient circle of care – regardless of location. eCare21 supports medical decision-making, hospital resource utilization, care coordination, remote clinical documentation, and chronic care management across the continuum.

## Virtual Care at Any Scale

The eCare21 Virtual Care solution powered by Dell Technologies is validated across a range of requirements, whether it's as simple as licensing on top of existing infrastructure all the way to a dedicated Dell VxRail Hyperconverged Infrastructure.

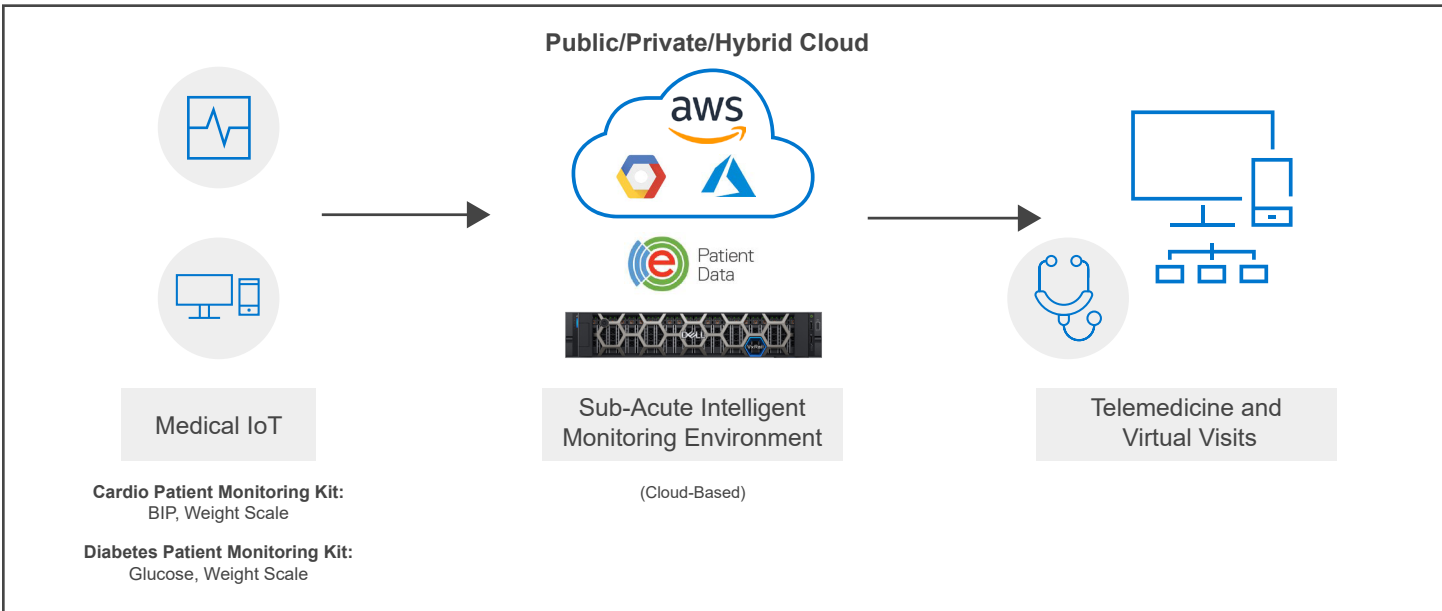
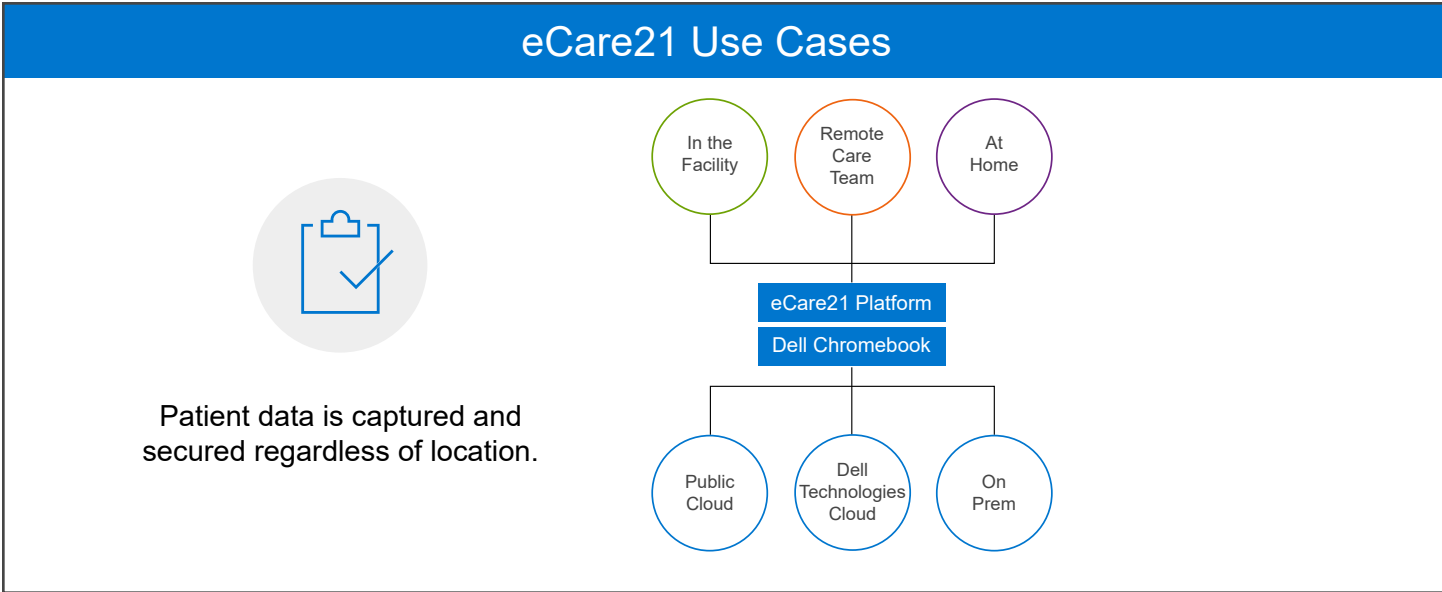


Figure 1. The eCare21 Virtual Care Solution powered by Dell Technologies.

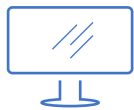
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eCare21 and Dell Technologies combine to deliver a powerful virtual care solution with healthcare providers and patients in mind. Leveraging the eCare21 platform along with the Dell Chromebook and infrastructure for on-premise deployment, providers are able to give patients access to remote care and analyze patient data pertinent to driving better patient care and outcomes.

eCare21 allows providers to manage chronic conditions remotely and streamlines provider/patient communication to help avert acute medical events. Federally Qualified Health Centers (FQHCs) can reduce the costs and complexity of patient visits, raise Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS) scores, and improve outcomes. In addition to all of these improvements in technology, policies from the Centers for Medicare & Medicaid Services (CMS) have been expanding access to telehealth in recent years – as part of the shift from fee-for-service to value-based care. More recently, new Current Procedural Terminology (CPT) Codes have been added to provide additional reimbursement opportunities for the remote monitoring of patient health data, expanding patient access to telehealth solutions.

All of these developments in telehealth have resulted in increasing access to virtual care, lower risk of hospitalizations for patients, and better outcomes throughout the entire care continuum. Dell Technologies and eCare21 have partnered together on a virtual care solution for chronic condition management and remote patient monitoring that will improve the quality of life for patients and caregivers through innovative technology and solutions.

Dell VxRail Workload Specifications for the eCare21 Virtual Care Solution					
Number of Users	Number of Nodes	Number of Appliances	Number of CPUs per Node	CPU per Cluster (GHz)	Memory per Cluster (GB)
50K	4	4	1	168	768
100K	4	4	1	168	768
150K	4	4	2	336	768
300K	4	4	2	336	768
600K	4	4	2	336	768
1200K	6	6	2	504	1152



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