



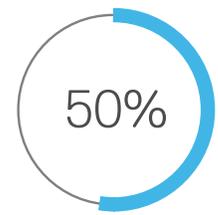
Optimizing Cerner® EMR workloads for today's mobile healthcare workforce

Advances in mobile technology have allowed healthcare providers to perform clinical tasks on the move—from the bedside to nursing stations and beyond. The always-on connectivity in today's modern healthcare systems presents an unprecedented opportunity for organizations to tap into the digital proficiency of the workforce and find new and innovative ways to serve patients across the healthcare continuum. However, this level of mobility brings its own set of challenges, requiring Health IT to rethink the technologies needed to empower on-the-go caregivers with the tools needed to provide optimum patient care delivery, including:

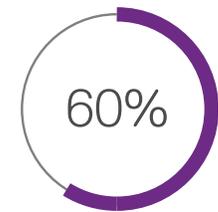
- 1. Near real-time patient data access:** Being productive on the go requires more than a device. Clinicians and caregivers also need secure access to patient EMRs at the speed of now. A virtual desktop infrastructure (VDI) powering a unified workspace platform enables real-time patient data accessibility on the right device for the right task at the right time.
- 2. Instant user access:** Difficulty in recalling login credentials or having to go through multiple authentication protocols to access patient data can impede caregiver productivity, which can impact the time to patient care diagnosis. Cerner Instant Access™ can provide follow me / roaming desktops, location awareness, and single sign on (SSO), which can help to alleviate user access burdens while maintaining patient data security.
- 3. Interoperability:** Healthcare providers need the flexibility to select the devices and applications appropriate to their roles, including the leverage of their personal devices according to hospital-defined standards.* Within organizational guidelines, they may also require a tablet while visiting with patients in a remote location, a medical cart to go from room to room, and a shared workstation to enter reports. Maintaining consistent access to workspaces and patient data across platforms requires integration of disparate digital technologies using virtualized solutions running on a modern, cloud-ready infrastructure.
- 4. End-to-end security:** Safeguarding sensitive patient data and other clinical information is becoming more complex as attacks targeting patient information increase in frequency and sophistication. In addition, healthcare providers must enable compliance with new and existing regulations like HIPAA and GDPR. To address these challenges, healthcare organizations need an integrated risk strategy that delivers comprehensive, no-compromise security.

Dell Technologies optimizes your Cerner EMR environment for mobile caregivers

Dell Technologies delivers integrated solutions for your Cerner EMR environment aimed at improving the overall experience for healthcare professionals with features like “follow me” desktop and SSO, bring your own device (BYOD), digital clinical workspace, and anywhere access. These purpose-built solutions deliver the highest levels of performance, portability, security, and accessibility while providing the business continuity and resiliency that Cerner Millennium® environments demand, freeing up healthcare providers to focus on what matters most—their patients.



50%
of physicians use mobile devices to access EMR.¹



60%
of healthcare providers will make optimizing the digital patient experience a top three strategic imperative by 2020.²

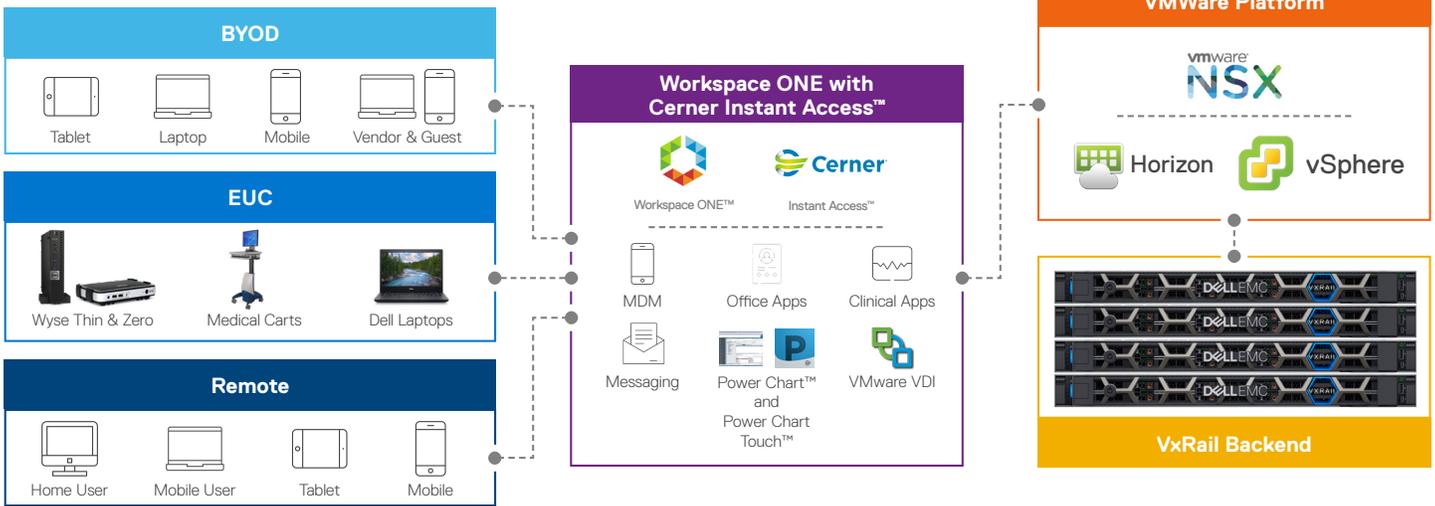


30%
By 2022, IDC predicts 20 to 30% of acute care providers will deploy smartwatch-based apps, thus improving clinician productivity by more than 50%.²

1. <https://www.physicianspractice.com/ehr/2018-mobile-health-survey-results>

2. <https://www.idc.com/getdoc.jsp?containerId=US44484018>

Figure 1. Improve Cerner EMR data access and portability with end-to-end solutions.*



EMR solutions to deliver next generation patient care

Dell Technologies provides industry-leading solutions to support your Cerner EMR environment (Figure 1). Our comprehensive portfolio of offerings spanning edge to core to cloud—including client devices, management tools and services, modern infrastructure appliances, and multi-cloud solutions—are designed to meet the requirements of today’s mobile clinical workforce.

Streamline clinician workflows: Dell Technologies VDI solutions deliver secure, high-performance computing experiences where and when needed. Achieve near real-time data access from anywhere at anytime with [Dell Wyse Thin and Zero Clients](#) running Cerner Unified Endpoint Management™ powered by [VMware Workspace ONE](#)—an intelligence-driven digital workspace platform to simply and securely deliver and manage any app on any device, featuring BYOD and MDM functionality. [Cerner Instant Access for Millennium EMR on VMware](#) brings together the power of VMware Workspace ONE, unified endpoint management technology, and VMware Horizon into one digital workspace platform, featuring location-aware SSO capabilities. With [Cerner Instant Access for Millennium EMR on VMware](#), Health IT can deliver the most demanding Millennium workflows for consistent, excellent response times and an optimum user experience.

Modernize your infrastructure solutions: [Dell EMC VxRail Hyper-Converged Infrastructure](#) appliance helps healthcare providers reduce costs and risk while powering today’s fast-paced, always-on healthcare environment by leveraging a complete, predesigned environment with VMware with vSAN hyper-converged storage on VxRail, NSX security, and Workspace ONE.

Strengthen security: [Dell EMC Integrated Data Protection Appliance](#) (IDPA) is an integrated, turnkey solution that reduces the complexity of managing multiple data silos and point solutions while

delivering powerful, enterprise data-protection capabilities at a lower cost to protect than competing solutions. It is a converged solution that offers complete backup, replication, recovery, deduplication, instant access and restore, cloud readiness, and tight VMware integration in a single appliance.

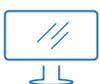
Support your multi-cloud ecosystem: Dell Technologies offers flexible multi-cloud solutions tailored to the specialized needs of healthcare organizations. [Dell EMC Cloud Storage Services for Multi-Cloud](#) extends the data center to the cloud using best-of-breed storage. In addition, IT teams can avoid public cloud vendor lock-in with the ability to switch easily and quickly between public cloud providers based on clinical workload needs.

Maximize the efficiency of your health IT spend: Whether your technology needs are growing faster than your budget or you’re looking to implement a cloud-like economic model, consider our [Flexible Consumption solution](#) portfolio. Pay only for the elastic capacity used, leverage payment solutions that grow with your business, and incorporate cost models that align directly with usage.

The Dell Technologies and Cerner Advantage

Beyond improving login times and enabling portability, Dell Technologies and Cerner Corporation have worked together to satisfy current and future health IT objectives like BYOD, enhanced security, and cloud integration. Dell Technologies offers transformative end-user devices, virtualization, hyperconverged infrastructure, and multi-cloud platforms designed to work with Cerner Millennium EMR, featuring capabilities such as single sign-on, context awareness, and pass-through integration.

Our Health IT consultants, solution architects, and delivery teams bring extensive experience in both healthcare and information technology to help healthcare organizations accelerate their digital transformations. Together, Dell Technologies and Cerner ensure your solution is delivered properly. Dell Technologies’ healthcare engineers will ensure your implementation goes smoothly, while Cerner Consulting will review the timetable and execution path of the integration with Millennium and other third party applications.



Learn more about our solutions for healthcare



Contact one of our healthcare experts



Email us at cerner@dell.com



Connect with us

*Not all Cerner solutions are optimized for mobile devices (phones, tablets, etc). The mobile device screen size as well as the lack of a touch-optimized user interfaces may significantly limit/impact the end-user experience. While the VDI technology is available on mobile devices, Cerner does not support or recommend all applications for use on mobile devices. Clinicians will need to decide if the mobile device end-user experience meets the need for their specific workflows.