



# Mobilizing Healthcare

in the hospital, in the  
community and at home.

vmware®

# Healthcare is changing.

Aging populations and rising costs are putting healthcare organizations and governments under increasing pressure, and they're turning to IT to attract clinical talent and to deliver a differentiated, optimized patient experience. The first stage was the shift from paper to digital medical records, making critical information more readily available at the point of care. IT now has a role to play beyond administration helping to drive better outcomes for patients, staff and organizations.

## Key Information Technology Drivers in Healthcare

Electronic Medical Records (EMR)	Care Provider Workflows	Mergers & Acquisitions	Attracting staff and patients	Security of information
Government initiatives and mandates continue to drive EMR adoption.	Greater efficiency is required to meet legislation and market forces.	State of the art systems are required to support rapid growth and onboarding.	IT driven differentiation and leadership attracts the best clinical talent and patients.	Maintaining reputation and complying to legislation are critical priorities.

### VMware AlwaysOn Point of Care: the IT blueprint for tomorrow's hospitals and practices.

Developed by a dedicated team of experienced healthcare IT professionals, VMware AlwaysOn Point of Care is the only comprehensive data center to point-of-care solution available today.

Our AlwaysOn Point of Care is a reference architecture validated with leading electronic health record (EHR) and infrastructure partners providing a blueprint for success.

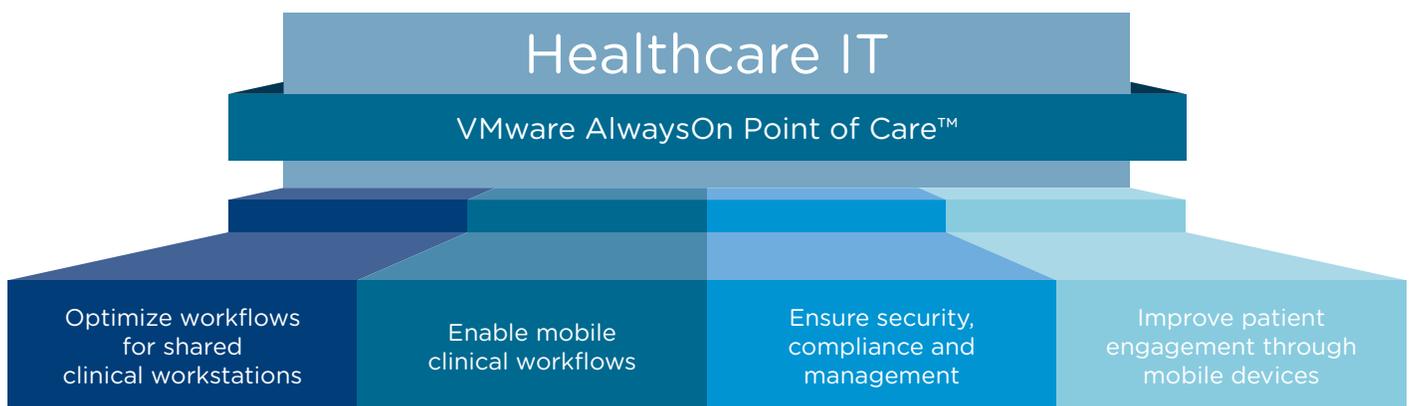
From 'tap, turn, treat' to delivering education materials, this unique solution provides secure access to protected health information (PHI), improves patient care decisions and delivers a new level of flexibility in the hospital, in the community and at home.

### Enabling healthcare organizations to:

- Optimize workflows for shared clinical workstations
- Enable mobile clinical workflows
- Improve patient engagement through mobile devices
- Ensure security, compliance and management



US healthcare spending to rise from 17.6% of GDP to 19% by 2023.





## Optimize Workflows for Shared Clinical Workstations

VMware Horizon with Tap and Go functionality and single sign-on saves up to 40 minutes every day for every provider.

Key benefits include:

- Enable Tap Turn Treat clinical workflows with rapid access to clinical applications and patient data on shared workstations
- Reduce login time from minutes to seconds
- Follow-me desktop eliminates wait times for application launches following each login
- Validated security with leading EHR and infrastructure vendors
- Secure remote access to windows desktop and applications



## Enable Mobile Clinical Workflows

Provide seamless and quick access to systems, applications and content across devices.

Key benefits include:

- Manage BYO, hospital-owned and shared devices
- Provide seamless access to clinical data across smartphones, tablets, laptops and rugged devices
- Provide secure managed access to Windows, web and mobile apps through a unified app catalog
- Enable secure content collaboration amongst clinicians



## Ensure Security, Compliance and Management

With data secured in the datacenter rather than endpoint devices, data security, management and rapid deployment is ensured.

Key benefits include:

- Virtual Desktop Infrastructure secures PHI in the datacenter, not on endpoint devices
- Secure and encrypt BYO and hospital owned devices to protect medical data/patient privacy with security restrictions and access controls
- Automate compliance and remote management including wiping noncompliant devices
- View device and user details with advanced reporting and logging capabilities in a single admin console



## Improve Patient Engagement through Mobile Devices

Enable secure delivery of content and applications to mobile devices to drive patient engagement.

Key benefits include:

- Distribute hospital owned devices and mHealth apps used by patients at home to report back to clinicians
- Engage patients and put them at ease with distractions such as games and entertainment on devices and kiosks
- Explain medical procedures to patients and provide continuing medical education materials on-demand
- Streamline patient check in through use of mobile kiosks

# Discover How Education Providers are Benefiting from Mobilizing Classrooms



## Kettering Health Network: Saving clinicians 15 minutes a day

- Just by reducing login times with an easier process, Kettering Health Network saved clinicians 15 minutes a day.
- The simplicity of the updated environment also encouraged a higher adoption rate of End-Users of their new EMR system.
- Plus, they were also able to support a BYOD policy by having enhanced security protocols.



## University Hospitals of Cleveland: Streamlined workflow results in more time for patients

- Using VDI and “tap-and-go” technology to access patient records saves clinicians up to 10 minutes per hour, or up to an hour and 20 minutes per shift!
- Faster access to patient information and the ability to save information on the screen after interruptions has resulted in not only a better workflow, but more time being spent with patients.



## Stockport NHS Foundation Trust: Real-time record viewing and cost savings

- Their Push AdvantisED emergency app collects patient bookings every 60 seconds from reception and transmits this data to every staff members' mobile device. Each clinician uses this real-time data via iPads to examine and treat patients for better quality of care.
- They were also able to save over £38,000 in printing costs by moving to a mobile-view patient record system.



## Advanced Home Care: Improving diagnosis and care in the home

- By having real-time information exchange between home nursing visits and the clinic, they cut down their collaboration times and now provide faster in-home assessment and treatment.
- They were able to remove the administrative time of distributing information via AirWatch Content Locker, which lowered costs while improving care response times.



## Lehigh Valley Health Network: Specialized apps for high risk pregnancies

- The network deployed tablets to their high risk pregnancy patients which contained specialized apps helping mothers, nurses and doctors to monitor certain aspects of the pregnancy.
- Pregnant mothers could stay in touch with doctors and nurses via video conferencing which offered 24/7 assurance without them leaving their home.