# Connecting patients and clinicians with mobile technology

Mobile healthcare offers benefits for patients, clinicians and administrators, but the road to this promising future goes through the IT infrastructure.

## Vital signs

Rising usage of smart devices ~~for~~ healthcare ~~purposes,~~ skyrocketing data from Internet of Things and ubiquitous electronic health record (EHR) technology is driving healthcare toward ultra-connectivity—everybody connected to everybody—and home-centric care delivery.

16% 32%

2013 2015

Consumer adoption of health-related smartphone apps increased from 16% to 32% between 2013 and 2015.

*Source: PwC 2015*

56% 84%

Most doctors use smart devices in their day-to-day work: 84% smartphones, 56% tablets.

*Source: Kantar Media 2015*

97% 76%

Virtually all U.S. hospitals (97%) have acquired EHR technology and most (76%) have at least basic EHR capability in operation.

*Source: Office of the National Coordinator for Health Information Technology April 2015*

Medical wearables, remote health monitoring, specialist teleconsultation and sensor-enabled pill bottles—all in use today—are forerunners of the more widespread adoption of Internet of Things in healthcare.

## Diagnosis

Mobility holds enormous potential for connecting patients and clinicians to improve healthcare—if organizations can overcome key obstacles such as interoperability, security, performance and manageability.

## Treatment plan

To meet the expectations of patients, clinicians~~,~~ and administrators, IT professionals need to deploy key enabling technologies that address specific needs in the healthcare setting.

### Information access

**Goal:** Get patient information to clinicians, when and where they need it.

**Rx:** Liberate healthcare professionals from traditional bring-your-own-device (BYOD) barriers and provide attractive computing options that they are proud to carry.

### Security

**Goal:** Restrict information access to those with a need to know.

**Rx:** Implement end-to-end security with secure corporate laptops and tablets and best-in-class next-generation firewalls.

### Performance

**Goal:** Empower clinicians to view extremely large medical imaging files on smart devices.

**Rx:** Define the right combination of device, application delivery, security, services and infrastructure to deliver the optimal computing solutions for every workgroup.

### Manageability

**Goal:** Minimize drain on IT resources for day-to-day operations.

**Rx:** Deploy comprehensive management technologies, connected so that everything works together for stronger protection, optimal usability and simplified control.

## Prognosis

The benefits of mobile healthcare extend to everyone involved, from clinicians and patients to healthcare executives.

**Increased clinician productivity**
Provide healthcare professionals with patient information where and when they need it

**Improved outcomes**
Coordinate healthcare resources to increase efficiency of care delivery and improve patient outcomes

**Personalized care**
Facilitate patient-clinician interactions to help people manage their own wellness

**Lower healthcare costs**
Diagnose and treat patients remotely to significantly reduce travel, cost and time

**Dell and Intel:** RX for Mobile Healthcare
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