



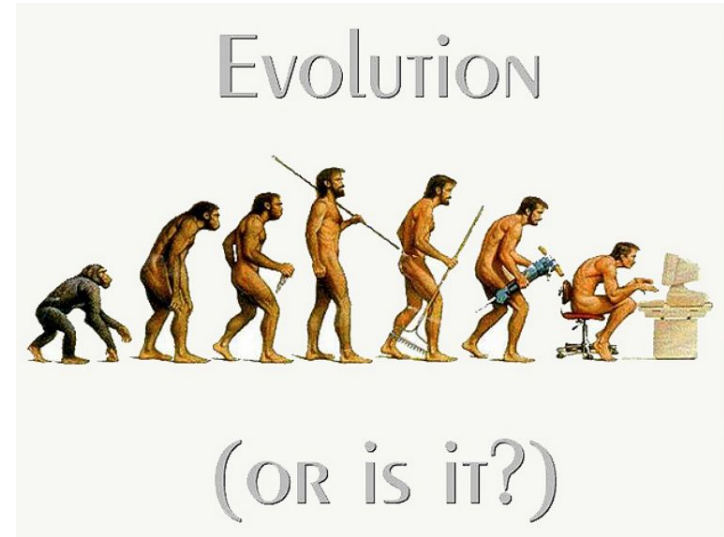
Healthcare in the Mobile World

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Evolution of Mobile Devices in Healthcare

- 1949 Mobile Telephone Service
- Increasing popularity of Apple and Samsung mobile devices
- Integration of health apps on a day to day basis



Statistics on Mobile Devices and the Medical Industry

- 4.8 billion mobile device users
- 2.7 billion smartphones
- Smartphones are most popular among doctors after the stethoscope
- 62 % of physicians are now using tablets
- 71% of nurses are using smartphones at work
- 247 million people have downloaded a health app
- 259,000 medical apps are available on app stores



mHealth

Defined as the

- “use of mobile and wireless technologies to support the achievement of health objectives”
- “the use of mobile and wireless devices (cell phones, tablets, etc.) to improve health outcomes, health care services, and health research.”

Telehealth and Telemedicine

Telehealth is defined as the delivery and facilitation of health and health-related services including medical care, provider and patient education, health information services, and self-care via telecommunications and digital communication technologies.

Telemedicine is the remote diagnosis and treatment of patients by means of telecommunications technology



Using Smartphones and Tablets

There are multiple uses for smartphones and tablets in mHealth and telehealth

- Care coordination
- External device connection for testing and diagnostics
 - Blood pressure monitoring
 - Blood glucose levels
- Makes remote patient monitoring easy
- Improves medication Adherence

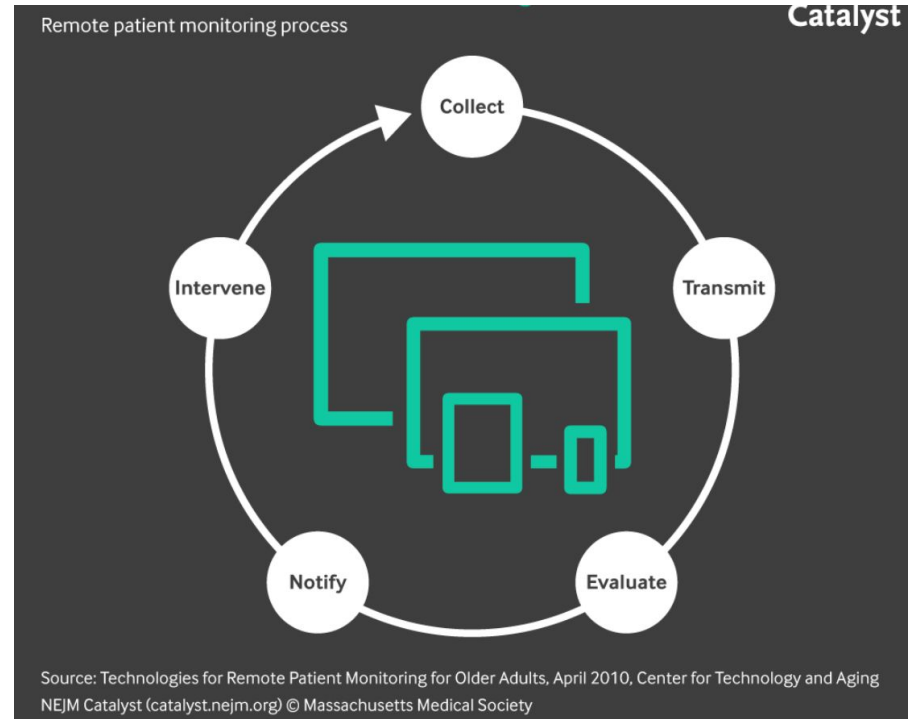


Video Conferencing, Video-Scopes in, and High-Resolution Cameras

- Utilizing real-time video communication platforms to overcome distance barrier
- Extending care for inmates, military personnel and rural patients.
- Reduce prisoner transportation costs and increase safety

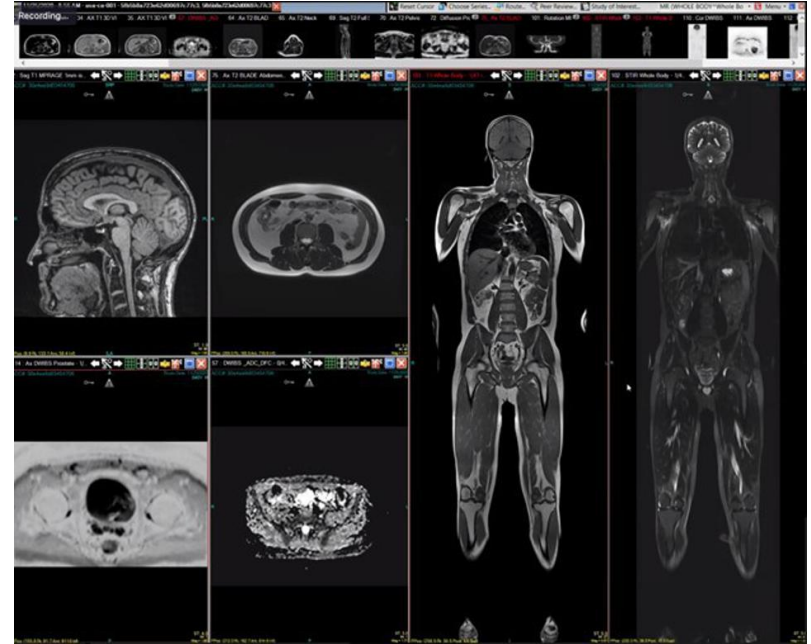
Remote Patient Monitoring (RPM)

- Reporting, collecting, transmission and evaluation of patient health data.
- Provide early detection of complications
- Identify patients in need of medical attention prior to in person visits.



Store and Forward

- Capture, storage, transmittal of patient health information
- Gathers CAT Scans, MRIs, X-rays, photos, videos and text based patient data
- Secure servers and routers

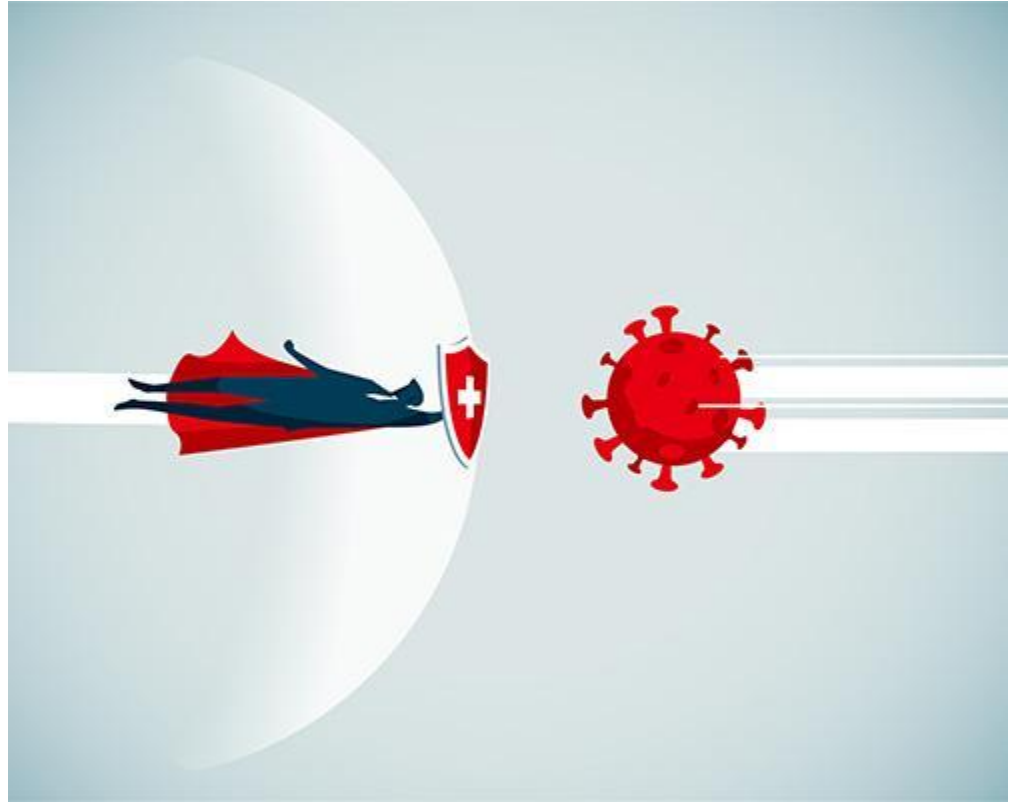


Telehealth Services and Applications

- Telehealth addresses primary care physician shortages/specialist scarcity
- Telehealth for education and training
- Telehealth and patient engagement
- Telehealth and provider communication

Covid 19

- Tracking health data
- Social distancing tracker



Food for Thought

- Vaccine Information availability
- Healthcare bias with regards to mobile device accessibility
 - Pros
 - Cons
- Privacy Concerns



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