



A Day in the Life

Margaret Mobility
retiree, heart patient, grandmother

e911

HP was a key player in pioneering the technology that enables 911 operators to locate the exact geographic coordinates of a 911 caller. Today, 100% of all e911 deployments on tier-one CDMA run on HP.

HP iPAQ

Winner of more than 30 awards in 2004, the HP iPAQ allows health care workers to communicate with one another more efficiently, access critical patient information and cut treatment time when every second counts.

HIPAA Compliant Networks

Deploying wireless LANs for hospitals worldwide, HP works closely with health care customers to ensure compliance with patient privacy laws.

Electronic Health Records (EHR)

An EHR does standard tasks such as creating, storing, and organizing patient data, but more importantly EHRs automate many of the time consuming tasks that a paper environment generates – i.e. pulling charts, renewing prescriptions, scheduling, insurance and billing, charge capture and coding. With an EHR, these tasks can now be done more efficiently and with higher reliability and quality, which minimizes the chances of errors that in some cases can be life threatening.

RFID Solution

HP has been a major player in Radio Frequency Identification development and adoption worldwide. This solution enables hospitals to use RFID-enabled objects, i.e. wristbands, to confirm a patient's identity, track their location and instantly access critical information, i.e. drug allergies and interactions.

Insurance Billing Solution

Hospitals face complex billing and regulatory compliance that can affect patient care and physician profitability. With an HP solution, doctors can capture patient charges at the point of care, reduce the cost of patient billing and audits and ensure compliance to reduce risk exposure. Using these solutions, physicians submit claims that are compliant and easier for an insurance company to process and pay. Some hospitals using HP solutions report decreasing patient billing time by 17 days and reducing the number of full-time employees needed in the back office.

8:00am

Apartment Building Lobby:

Feeling chest pains, calls 911.

Paramedic performs EKG and transmits result via HP iPAQ to hospital cardiologist.

Cardiologist immediately diagnoses heart attack. Orders EMT to forgo the ER and take Margaret directly to the Cardiac Lab.

Wireless EKG Transmission

Time is the enemy for all heart attack victims. The HP iPAQ can run cardiac imaging and information directly from paramedics to cardiologists. This means that a doctor can receive EKG results immediately via her own wireless device, diagnose a heart attack and instantly order EMTs to transport the patient directly to the cardiac lab. Hospitals using this solution average 27 minutes from the time a patient arrives until an angioplasty is successfully completed – 77 minutes less than the national average.

9:00am

Cardiac Lab:

An angioplasty is successfully completed and blood flow is restored to Margaret's heart.

Margaret signs release and registration forms. The data is transmitted to all back and front office touchpoints.

Using an HP Tablet PC, cardiac tech accesses Margaret's chart from her general physician's office. Checks previous EKG results and drug allergies.

At nurses' station, prints Margaret's treatment notes from HP Tablet PC to HP wireless printer; files in paper chart.

HP Tablet PC

Hospitals using an HP Tablet PC solution can instantly access patient files from external locations and online medical resources that improve patient care. The HP Tablet PC is highly portable and versatile, with pen computing that makes taking patient notes and updating files easy, convenient and efficient.

Wireless Printing

HP's range of mobile and wireless printers, print drivers and print servers make printing crucial patient files and notes convenient, fast and productive from anywhere in the hospital.

10:00am

Hospital Reception Desk:

Margaret's son arrives, and reception clerk immediately directs him to her room by tracking her hospital wristband.

E-prescriptions

E-prescribing software alerts doctors when they prescribe medication that may be harmful to a patient. E-prescribing also allows doctors to access medication records for patients they have not treated before but must dose due to an emergency. E-prescribing also saves time for doctors and money for hospitals by reducing manual processing.

4:00pm

Private Hospital Room:

Cardiologist sends a prescription to pharmacy using HP iPAQ, which alerts her of a negative drug interaction. Changes prescription and resends.

Codes and records charges for billing. System indicates that one procedure is not covered by insurance. Discusses alternatives with Margaret.

Completes treatment notes, syncs with hospital system and all data is auto-downloaded for billing.

Orderly delivers a greeting card from Margaret's grandson, which he sent remotely to the wireless printer at the nurses' station: "Get well soon Gran. We love you."

HP Services & Solutions in Healthcare

HP provides a seamless health care delivery experience from the moment a patient enters the hospital to ensure the highest quality of care, from devices to infrastructure to services and solutions.