Doctors Providing Critical Patient Care Remotely With a Smartphone (w/Video)

May 1 2010, by John Messina

The AirStrip Technologies platform securely delivers critical patient information, including virtual real-time waveform data, directly from hospital monitoring systems to a doctor or nurse's smart phone, laptop or desktop. Credit: AirStrip Technologies

(PhysOrg.com) -- AirStrip Technologies is revolutionizing the medical field by giving physicians the ability to monitor their patient's vital signs form their smartphone. Doctors can now keep track of heartbeats, nurse's notes, exam results and drug doses when they are out of the hospital.

AirStrip has developed a hardware/software solution that makes remote

monitoring of a patient possible. AirStrip already has their obstetrician application (AirStrip OB) in use in facilities across the U.S. and they are working on similar applications for 'Critical Care', 'Cardiology', Imaging', and 'Lab' work.

AirStrip OB, delivers vital patient waveform data which includes fetal heartbeat and maternal contraction patterns in virtual real-time directly from the hospital labor and delivery unit to a doctor's mobile wireless device. Doctor's also have the ability to review nurse's notes, vital signs and other patient related information. The video below illustrates how a maternity facility, equipped with AirStrip OB, made one patient's delivery less complicated.

AirStrip **'Critical Care'** is the next application that is in the advance testing stages and will be available to hospitals once its FDA approved. 'Critical Care' delivers ventilator flow tracings, patient vital signs data and rhythm strips. Practitioners can access virtual real-time and historical data. In the video below AirStrip Technologies reviews some of the benefits of this application.

AirStrip **'Cardiology'** is another application in the advance testing stages. This application offers remote access to valuable data for the cardiologist including telemetry strips, EKG data, pulse oximetry, ventilator pressure measurements, end-tidal CO_2 monitoring and arterial pressure monitoring.

AirStrip Cardiology. Credit: AirStrip Technologies

AirStrip Technologies is also currently working on two additional applications that are in the development stages:

• AirStrip **'Imaging'** is a mobile PACS solution that can be accessed from virtually anywhere, providing practitioners with access to data previously accessible only at the bedside or on a hospital workstation.

• AirStrip **'Laboratory'** provides on-demand access to lab results and readings via an HL-7 feed. Users can refer to current or historical results through the patient medical file by simply selecting the required results view.

AirStrip Imaging. Credit: AirStrip Technologies

AirStrip Lab. Credit: AirStrip Technologies

As medical records become digitized and made available to the medical community there's a growing concern for patient's privacy. AirStrip Technologies has taken the first step in making all their applications HIPAA compliant.

AirStrip applications not only let your doctor track your health but will one day let your doctor share your vitals and get opinions from any doctor they may wish to consult.

More information: www.airstriptech.com/

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