Royal Flying Doctor Service & Intel Patient Vital Signs Capture Trial – Broken Hill 2007

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Agenda

• Why?
  – The problem

• The solution.
  – Workflow.
  – Components.

• Where to now?
  – Capable vendors.
  – Commercialisation.
  – Industry support.
The Problem

• Flight Nurses rarely have time to record all vital sign obs.
• Data recorded manually on paper, glove, sheet etc etc.
• 3 forms used – data repeated on each form.
• Heavy reliance on verbal handover to ambulance/ED.
• Difficulty in managing dispatch process.
The RFDS emergency evac process
Why?

Efficiency
- Automates an important task that rarely gets completed.
- Streamlines handover – data substantiates/verifies verbal handover.

Improved Outcomes
- Accuracy of reporting – minimises errors due to lack of data as well as transcribing/interpretation errors.
- Data analysis – captured data in aggregate is valuable.
The Solution

Emergency Patient

nurse

portable printer

patient care report

Royal Flying Doctor Service of Australia
System Architecture

ZOLL M Series® Defibrillators → Mobile Clinical Assistant (MCA)

- Bluetooth
- WiFi

- Database
- Internet (VPN)
- EMR

- Email / Fax
- Internet (VPN)

- Printer (local / remote)
Where to from here?

“We thought this solution would be 10 yrs away!” – Dr Mike Hill, RFDS SE Section
Summary:

- Focus on point of care productivity & patient outcomes from the start of the patient journey.

- Built with commercially available, off the shelf products.

- Different solution approaches to this problem are available – there is choice!