

MData Handheld Rounding Tool

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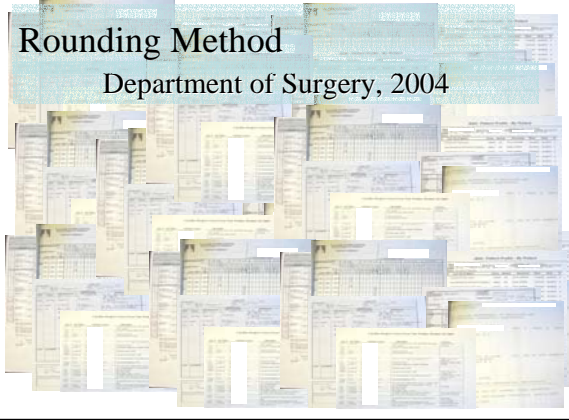
Challenges Faced By Providers



- Where are my patients?
- What are their results?
- How do I communicate their information to others?

Rounding Method

Department of Surgery, 2004



... as a result



• Provider Efficiency:

Housestaff spend approximately 8-11 hours per week collecting data / non-patient care activities

• Communication Errors

Up to 25% of medical errors due to sign-out miscommunication

MData Demo



Nice toy... ... but is it effective?



| | Pre-Implementation | Post-Implementation |
|--|--------------------|---------------------|
| Time Spent Gathering Patient Data (hrs/week) | 8.5 | 3.4 |
| Medical Errors (per week) | 4.9 | 1.7 |
| Resident Work Hour Compliance | 55% | 100% |

* Jeffries et. al. 2003

JHH Study CIQPC, Depts of Surgery & Medicine

- Duty Hours Effect (Time Motion Study)
 - Total work hours
 - Use of daily time
- Potential Patient Safety Outcomes
 - Signout accuracy
 - Awareness of critical lab values
 - Understanding patient medications
- Use of Devices
 - Ease of use
 - Form factor, battery life

Signout Process

It all comes down to...

- What do I need to know?
- What do I need to do?
- What am I worried about?

“Swiss-Army Knife”

- MData
- Medication Reference (Epocrates, Micromedix)
- Training Videos
- Surgical/Medical Reference
- Case Log
- Work Hour Log
- Evaluations

Essential Pocket Tool 20th Century



Essential Pocket Tool 21st Century



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