



Will real-time ward management systems transform quality and safety?

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‘Information Systems: Monitoring and Managing from Ward to Board’

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The views and opinions expressed therein are those of the authors and do not necessarily reflect those of the HS&DR programme, NIHR, NHS or the Department of Health



➤ **The second Francis report (2013):**

“All healthcare provider organisations, in conjunction with their healthcare professionals, should develop and maintain systems which give them: effective real-time information on the performance of each of their services against patient safety and minimum quality standards”

➤ **Personalised Health and Care 2020**

➤ **How are Trusts going to implement real-time systems?**



Are nurses able to integrate real-time ward management systems into their working practices, to monitor and improve quality and safety of care?



- **4 NHS acute Trusts**

- **Total of 8 wards – one medical and one surgical in each Trust**

- **Methods included:**
 - **Observations of use of electronic whiteboards/devices**
 - **Observations of daily clinical practices (handovers, multi-disciplinary team meetings) *(72 hours)***

 - **Interviews with information and informatics staff *(n = 23)***
 - **Semi-structured interviews with ward staff *(n = 34)***

- **Accounts of information systems and ward practices between 2013-2016**



**Chronological
narrative**

Focuses on changes over time

A light beige, cloud-shaped graphic with a thin black outline, containing the title text.

**Biography of
Artefacts**










**Look at the
background - why
systems look the way
they do**

**Previous studies
don't understand
the complexity of
large scale IT
infrastructures**



Electronic Whiteboards



Cube 2
008 498 8661
QUESNEL,R
Barlas
    
   
1b S NEWS



Electronic Whiteboards

Bed	Patient	Age	Consultant	Specialty	LOS	EDD	TP	Discharge	Needed For Discharge	Clinical Summary	eDAN	eMeds	Jobs	CR	AR	Abs	Pain	DAS
ed																		
	BLUEBERRY Nadia	114y	GS	Trauma and Orthopaedics	39d	18-Aug-2015		?			BSp					✓		?
	NECTARINE Munawar	110y	DT	Plastic Surgery	34d			?			BSp					?		NA
1																		
2	OLIVE Murtaza	130y	ASR	Spinal Surgery	38d	06-Aug-2015		?		0/00 aaaaaaaa aaaaaa aaaaa...	BSp					✓		NA
3	KIWI Regina	110y	CF	Plastic Surgery	37d	06-Aug-2015		?		aaaaaaaaaaaa aaaaaaaaaaaa aa...	BSp					!		NA
4																		
5	PUMPKIN Jai	114y	RAD	Spinal Surgery	35d	09-Aug-2015		?		aaaaaa aaaaaaa	BSp					?		NA
6	CORN Faiza	132y	PAM	Spinal Surgery	37d	05-Aug-2015		?		aaaaaaaa aaaaaaaa a0 aaaaaaaa...	BSp		aaaaaa aaaaaa aaaaaa			✓		NA



- **Local motivations – wards moving from paper**
- **In-house informatics expertise – strong relationship between informatics and ward teams**
- *“When the system came they were trained within a week, they all hated it because it was electronic, after then they actually engaged with it and used it. Then it was a novelty, for two weeks they really wanted it, really enjoyed it, and then after that it was the norm, it was what they used.”*





Wait there's more...





To conclude – the ‘*so what*’ point?

- **Substantial changes since the second Francis report (2013)**
- **Unlike any previous IT systems**
- **Real time ward management systems designed by nurses for nurses**
- **Massive potential in data warehouses**



Thank you for listening – Any questions?