Leeds Institute of Health Sciences



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

Emma Ferguson¹, Justin Keen¹, Rebecca Randell¹, Andrew Long¹, Nyantara Wickramasekera², Elizabeth McGuiness¹, Claire Ginn³, Sean Willis⁴ and Jackie Whittle⁴

University of Leeds ¹, University of Sheffield ², NHS England ³, Leeds Teaching Hospitals NHS Trust ⁴

'Information Systems: Monitoring and Managing from Ward to Board'

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Department of Health Disclaimer:

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 realtime 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?

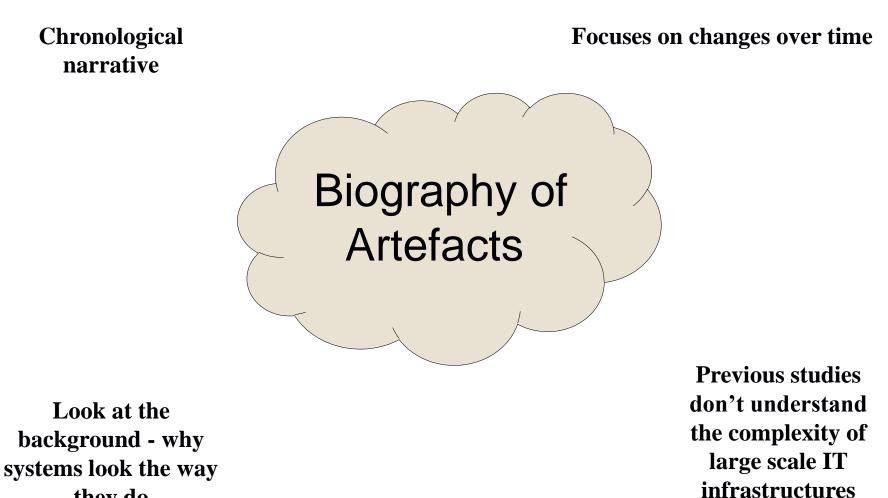


Are nurses able to integrate real-time ward management systems into their working practices, to monitor and improve quality and safety of care?

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, multidisciplinary 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





they do



Electronic Whiteboards





Electronic Whiteboards

Bed	Patient	Age	Consultant	Specialty	LOS	EDD	тр	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		0			BSp					~		0
	NECTARINE Munawar	110y	DT	Plastic Surgery	34d			0			BSp					0		NA
1																		
2	OLIVE Murtaza	130γ	ASR.	Spinal Surgery	38d	06- Aug- 2015		0		0/00 аааааааа ааааа	BSp					~		NA
3	KIWI Regina	110y	CF	Plastic Surgery	37d	06- Aug- 2015		0		aaaaaaaaaa aaaaaaaaaaa aa	BSp					0		NA
4																		
5	PUMPKIN Jai	114y	RAD	Spinal Surgery	35d	09- Aug- 2015		0		888888 8888888	BSp					0		NA
6	CORN Faiza	132γ	PAM	Spinal Surgery	37d	05- Aug- 2015		0		аазаазаа аазаазаа а0 аазааза	BSp		888888			~		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."



Mobile devices





Wait there's more...



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?