

NOTED: A Clinical Task Handover System for NCHDs and Nurses

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Introduction



- Clear communication between doctors & nurses vital for patient care
- Existing systems largely informal, paper-based
- Aim: To develop secure, safe, electronic task handover system for ward-based jobs



Development



- Project board established consisting of representatives from:
 - Lead NCHD
 - Consultant body
 - Nursing management
 - IT Dept.
- IT staff met with Beacon Hospital staff to examine DocIT system
- Agreement to use concept but develop software locally to meet specific needs of Beaumont Hospital



Timeline



- Software developed and tested with feedback from NCHDs and nurses re design/layout/user needs (August – October 2015)
- Pilot commenced on Neurosurgery wards with constant feedback cycle to further improve user experience (23rd November 2015)
- Software rolled out across hospital after extensive in-house publicity and staff training (18th April 2016)



User Views



NewTaskView

Bunny, Bugs ♀ 20/04/1943 (72) 6689865

5759060 OCM:07 17/07/2014 13:51 Computer, Test

Task Type Options

- Prescription**
 - Rewrite Kardex
 - Chart
 - Discontinue
 - Dr Notes
 - Discharge Prescription
- Review Inc**
 - Line In > 3 Days
 - Line Ticked
 - Needs Extra Line
- Bloods**
 - Fbc/U+E/Coag/Type+Screen
 - Bloods
- Pre-Op Work-Up**
 - Chest Xray
 - Bloods (Pre-Op)
 - Kardex (Pre-Op)
 - Ecg (Pre-Op)
- Review**
 - Review Bloods
 - Review Radiology

Chart

new medication

4

Active From: 04 April 2016 10:55

Routine Medical Team Bleeped On Call

Save Back



User Views



Noted

About Doctor, Niamh (X20)

N O T E D

Future Task Open Task
Overdue Task Discharged Patient Exit

Search Tasks (17)

Patients Tasks

Ward Specialty Consultant Name Search Task

	Ward	Bed	Episode	Id	Priority	Name	Title	Active From
▶	OCM	10	5761598	1	Urgent	BIRD, TWEETY	Order Radiology	17/11/2015 16:0
	TER	12	5770507	1	Routine	BLEACH, AUDREY	Resite Iv Line	17/11/2015 12:9
	RCH	01	5721791	1	Routine	BOYD, SHANE	Order Radiology	17/11/2015 12:9
	RCH	01	5721791	2	Routine	BOYD, SHANE	Order Bloods	17/11/2015 12:9
	OCM	07	5759060	2	Routine	BUNNY, BUGS	Order Radiology	17/11/2015 16:0
	DAM	17	3528823	3	Routine	CAMPBELL, JOHN	Chart Po4	17/11/2015 12:9
	OCM	01	5761584	1	Routine	COMPUTER, FAKE	Write Patients Drug Cardex	17/11/2015 20:0
	OCM	15	5759083	3	Routine	DUCK, BARNABY	Review Falls	17/11/2015 15:9
	DAY	08	3528860	1	Routine	DUNNE, COLM	Catheters	17/11/2015 16:9
	DAY	02	5767368	1	Routine	FAGAN, ANN	Write Patients Drug Cardex	17/11/2015 12:9
	AMC	32	3528110	1	Routine	FITZGERALD, SIAN	Write Patients Drug Cardex	17/11/2015 14:9
	AMC	32	3528110	2	Routine	FITZGERALD, SIAN	Order Bloods	17/11/2015 13:9
	OCM	13	5759076	1	Routine	FLINTSTONE, PEBBLES	Septic Screen	17/11/2015 16:9
	PET	11	3529305	1	Urgent	FOX, STEPHEN	Order Radiology	17/11/2015 12:9
	AMC	05	3342453	1	Routine	GARVEY, DAVID	Chart Po4	17/11/2015 12:9
	PET	08	5768218	2	Routine	HORGAN, BRENDAN	Review Iv Lines	17/11/2015 12:9
	OCM	09	5761597	1	Routine	MOUSE, DANGER	Resite Iv Line	17/11/2015 16:9

Sort By: Name Location Title

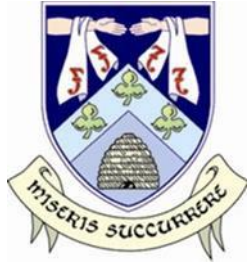
Overdue Tasks (11)

	Ward	Bed	Episode	Id	Priority	Name	Title	Active From
▶	TER	12	5770507	1	Routine	BLEACH, AUDREY	Resite Iv Line	17/11/2015 1
	RCH	01	5721791	1	Routine	BOYD, SHANE	Order Radiology	17/11/2015 1
	RCH	01	5721791	2	Routine	BOYD, SHANE	Order Bloods	17/11/2015 1
	DAM	17	3528823	3	Routine	CAMPBELL, JOHN	Chart Po4	17/11/2015 1
	OCM	15	5759083	3	Routine	DUCK, BARNABY	Review Falls	17/11/2015 1
	DAY	08	3528860	1	Routine	DUNNE, COLM	Catheters	17/11/2015 1

Clear Filters My Filters



User Satisfaction



- 50% response rate among pilot Interns
- Responses measured on Likert scale (1=Strongly disagree; 5=Strongly agree)

80% Agreed/Strongly agreed NOTED improved communication between doctors and nurses.

100% Agreed/Strongly agreed that speed with which tasks were performed was increased.

100% Agreed/Strongly agreed increased likelihood of task being performed.

100% Agreed/Strongly agreed that NOTED was more secure than written task lists.



Conclusion



- IT projects can be successfully implemented in large tertiary level public hospitals
- Importance of inter-disciplinary collaboration
- Importance of involving clinical staff at early stage
- Importance of getting buy-in from senior clinical staff and nursing management



Acknowledgements



- Beacon Hospital for the concept.
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- All Staff on Adams McConnell & Richmond wards, and Interns who participated in the pilot of NOTED.