

Improving nursing shift handover in the ICU Jonathan Russell, RN, MSc(A)

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Introduction & Background

- Clinical handover is a communication-based practice which occurs every time there is a change in practitioner
- Errors in communication were named as the second most frequent root cause of sentinel events in hospital (Joint Comission, 2014), and may result in discontinuity of care, adverse events, information breakdown, misunderstandings, and omissions.
- Handover practices remain variable and inconsistent despite acknowledgement of their importance (Reisenberg, Leitzsch, & Cunningham, 2010)
- ICU patients often have complex care plans with multiple active issues, requiring efficient transfer of information and review of risk to ensure safe transitions.
- Use of written handover tools + efficient verbal communication results in greater maintenance of relevant patient data (Pothier et al, 2005)

Objectives

- To optimize the shift handover communication through the use of a structured handover tool that defines and organizes patient information in a transmissible way.
- Main objectives for six-month Fellowship period:
 - 1. To develop, pilot, and test a structured handover tool in a level II ICU in order to standardize content
 - Encourage patient and family engagement early in the care process

Standardiza tion of handover content

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Decrease adverse events related to handover

• Improve overall safety, communication, and patient and nursing satisfaction

Improvement

- Use targeted survey of nurses to help understand current perceptions and practices of handover in the ICU
- Develop a handover tool that captures elements of handover identified as valuable by RNs, and is in accordance with corporate transfer of accountability (TOA) policy which utilizes SBAR.
- Utilized Plan-Do-Study-Act (PDSA) cycle methodology in implementation of tool.
- Provide education on tool and pilot in the ICU
- Conduct ongoing evaluation and modify tool as necessary.

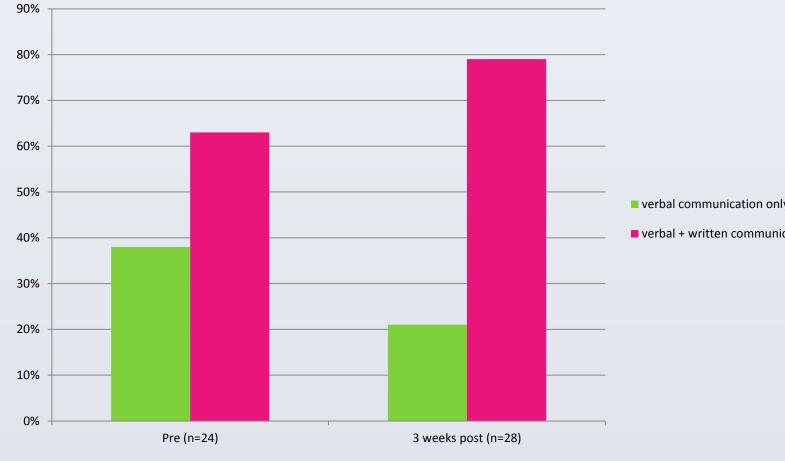
				Results
•		attributed to a	y experienced an event, deficiency in handover month.	or • (Fig
•	Minimum information nurses felt was necessary to communicate in order to transfer accountability and responsibility:			or we
	Situation			
	• Reason for admission; The "story"			
	Background			
	• Recent t	sponse(s) and events		
	• Family in	nformation		
	Assessment			
	• Review of	of systems		
	Acuity and overall condition			Qualita
	Risks/review			
•	 What are the things to be aware of Next steps The information was integrated into a comprehensive to nurse handover tool: 			nurse
	BED #	INTRODUCE TO PT/FAMILY (Use NODS N - Say your name O - State your occupation D - Describe what you will do S - Supportively, sincerely, and with a S STORY (WHAT HAPPENED): INJURIES OR PROBLEM: REASON FOR ICU ADMISSION:	S) AGESEX_M/F CODE STATUSALLERGIES DIAGNOSIS PRIMARY SVC: TRA/NSX/ ©CODE STROKE ADMITTED FROM: □ED □CRCU □RRT LENGTH OF STAY	
	BACKGROUND	PMHXSURGERIES/PROCEDURESSAFETY/PRECAUTIONS		
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			GI PAIN PO Status: NPO/TF/DIET DAPS Feed: Rate: cc/h	inc
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		CARDIOVASCULAR A	MSK/SKIN Activity: LABS Wounds/Dressings: □AccuChek.q_h	COI
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	RECOMMENDATION	ACTIVE ISSUES:	STAY IN ICU TRANSFER TO WARD FOR REPATRIATION	me
	R	PENDING LABS/DIAGNOSTIC TESTS ANTICIPATED CHANGES OR OTHER ISSUE	ES	• Sta
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				err

- **Project Impact & Plan for Sustainability**
- Sustained use of handover tools that standardize content may improve nurse-nurse communication and lead to a decrease in adverse events related to deficiencies or omissions in handover communication.
- The paper handover tool will serve to inform an electronic TOA document which will be incorporated into the electronic medical record. The tool can be used as an interim data set in the development of the EMR handover function.
- Integration of handover communication into unit orientation plan will support a consistent approach to handovers.
- Connect with senior management to organize a "handover awareness" month at regular intervals to encourage units to collect new data and update or improve their processes as necessary.

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Group and individual education sessions were conducted over a 2 week period

gure 1: Percentage of nurses who report using either verbal-only written + verbal communication during handover (pre and 3 eeks post-implementation)



ative feedback from RNs on the handover tool:

"The [handover] interaction goes much more smoothly when you have something to guide your conversation. You feel better about

"When everyone structures their [handover] the same way, it feels more reliable and complete without being overwhelming.

itial evaluation data done at 3 weeks is suggestive of creasing trend toward using verbal + written cumentation during handovers

st implementation, an increase from 70% to > 90% mpletion of inter-unit TOA

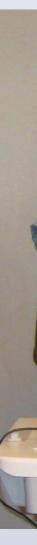
ndover is a method of engaging patient and family embers in the care process

iff responded positively to initial implementation of tool, suggesting that it would help reduce ambiguity d redundancy of information.

Iditional evaluation to take place at 3, 6 and 12 onths post-implementation to assess effect on clinical ors related to insufficient information.

Future Recommendations

- (EMR).



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• Modify the handover tool as needed, maintaining the minimum data set, to make it applicable to other transitional care points.

Incorporate an element of handover communication into unit-based orientation program.

• Develop an electronic transfer of accountability (TOA) form for integration into the electronic medical record

• Apply findings to other transitional care points across the larger organization through collaboration with Transfer of Information Working Groups and practice councils.



References

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Pothier, D., Monteiro, P., Mooktiar, M., & Shaw, A. (2005). Pilot study to show the loss of important data in nursing handover. British Journal of Nursing, 14(20), 1090-1093.

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