SEASTERNMAINE MEDICAL CENTER EMHS MEMBER

Background

- Hand hygiene is the easiest and most fundamental way to prevent infection
- World Health Organization (WHO) outlines fine moments in which hand hygiene is essential
- Education and improvement of hand hygiene practices reduces incidences of infection, reduces morbidity and mortality rates, and generates cost savings for patients

Practice Change

To improve hand hygiene practices by providing education to ICU staff and implementing an observational tool to measure hand hygiene compliance in the ICU setting.

Methods

- Design informational/education materials based on WHO 5 Moments for Hand Hygiene and distribute to staff via e-mail, posters, and huddles
- Survey ICU for hand washing/Purell stations to evaluate for ease of access and visibility
- Obtain materials needed for educational materials from EMMC Infection Control
- Meet with department head and clinical educators to discuss plan
- Present ICU staff with information
- Obtain ICU staff hand hygiene occurrence rates results by comparing information gathered from observational tool before and after education is provided

Pre Educa RN

B. Pt

B. Asep A. BF

A. Pt

A. Pt S

MD B. Pt

B Asep

A. BF

A. Pt A. Pt Si

RT

B. Pt

B. Asep

A. BF

A. Pt

A. Pt St Phleb

B. Pt

B. Asep A. BF

A. Pt A. Pt St

Hand Hygiene: An Educational Program to Improve Practice

Matt Austin RN, BSN; Amanda Milton RN, BSN; Christine Parrilli RN, BSN

			Me	asures	and Results				
	0	bo							
Observational Tool									
				Hand Hygiene Opportunities					
	Unit/Date								
	Staff Title -RN, NT/CAN, RT, MD, CN, PA/NP, PHLEB, PT, OT, SW, XRT								
	Observer Initials								
	Before Pt Contact								
	Before Aseptic Procedure								
	After Bodily Fluid Contact								
	After Pt Contact								
	After Contact with Pt Environment								
	Action Complete								
	Opportuni	ty							
				<pre>** Occurrence Rates (%) = (action complete /opportunity)/100</pre>					
ation .I	uly 9-15	Onn	Ohse		JITS Post Education July 23-30	Орр	Observ	Occur	
		Opp	CDSC		RN	Opp	UNSCI	ooodi	
		350	307	87.7%	B. Pt	350	326	93.1%	
ptic		43	40	93%	B. Aseptic	27	25	92.5%	
		72	71	98.6%	A. BF	75	73	97.3%	
		350	321	91.7%	A. Pt	350	323	92.2%	
Surr		350	321	91.7%	A. Pt Surr	350	326	93.1%	
MD									
		28	17	60.7%	B. Pt	20	17	85%	
otic		5	5	100%	B. Aseptic	3	3	100%	
		5	5	100%	A. BF	3	3	100%	
		28	20	71.4%	A. Pt	20	17	85%	
Surr		28	20	71.4%	A. Pt Surr RT	20	17	85%	
		76	69	90.7%	B. Pt	72	69	96%	
ptic		10	10	100%	B. Aseptic	8	8	100%	
		10	10	100%	A. BF	8	8	100%	
		76	72	94.7%	A. Pt	72	70	97%	
Surr		76	72	94.7%	A. Pt Surr	72	68	94%	
Phleb									
		52	50	96.1%	B. Pt	49	48	98%	
ptic		20	20	100%	B. Aseptic	27	27	100%	
		20	20	100%	A. BF	27	27	100%	
		52	51	98%	A. Pt	49	48	97%	
Surr		52	51	98%	A. Pt Surr	49	48	97%	



Summary/Discussion

Institutional policy changes take time and several committee reviews may be necessary before full implementation is possible UMH Policy Approval Process:

Formatting \rightarrow Forms Committee $\rightarrow P\&T$ (Pharmacy) Committee $\rightarrow PIC \rightarrow MEC \rightarrow Board of Governors \rightarrow$ Website

OSA compromises patient care

Measures that raise awareness and increase quality and safety should be initiated OSA screening tools are quick and effective



Conclusion

- Increase in staff recognition of importance of hand hygiene
- Increase in hand hygiene practices among staff
- With continuation of data collection there will
 be more conclusive results of whether
 infection rates decrease or not

References