

BACKGROUND

This DNP scholarly project takes place in a Mid-western hospital system that:

- Serves eight local counties with a population of 447,896
- > Within four hospitals houses 1,153 patient beds.
- Employs 7,300 associates.

This Hospital system is deemed an Ebola assessment hospital by the Federal Emergency Management Agency, (FEMA.)

Ebola assessment hospitals:

- > Are prepared to provide care for a patient under investigation (PUI) of exposure to highly infectious diseases.
- \succ Are prepared to care for patients with a high level of clinical suspicion for Ebola for up to 96 hours.

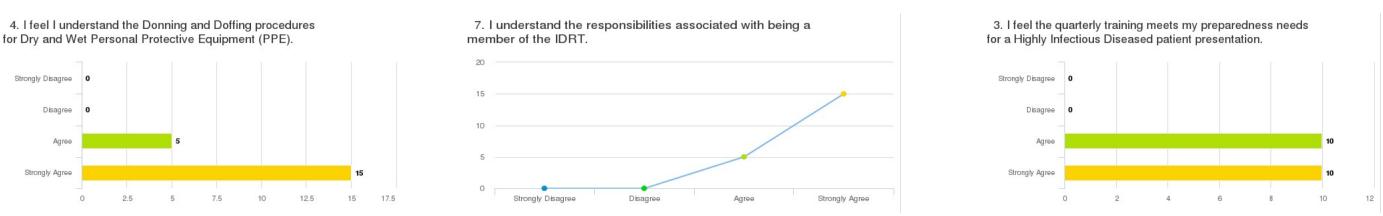
PERSONAL PROTECTIVE EQUIPMENT (PPE)



Photo printed with permission: https://www.envirosafetyproducts.com/3m-versaflo The purpose of standard operation hospital-based (IDRT) and invo current standar of any missing been in existen the first review

Several gaps t 2017 during the drill include:

- > Challenges team membe equipment. (
- > Challenges from the site contaminatio
- > Difficulty for prolonged PPE wear.
- procedures.



Methods:

- procedures.

Revision of Standard Operating Procedures for a Hospital Based Infectious Disease Response Team Monica E. Meier MSN, RN, AHN-BC **Northern Kentucky University**

PURPOSE	SUPPORTING LITERATURE
this project is to revise the current ting procedures (SOPS) for this infectious disease response team olves the review and update of ds of procedure and the addition recommendations. This IDRT has ce since 2014 and this project is of SOP's.	According to the U.S Department of Health and Human Services, National Guidance for Healthcare System Preparedness,(2012) many of the same identified gaps have been noted by other healthcare organizations and include lack of communication, issues with transportation, and lack of equipment and supplies.
hat were identified in December IDRT statewide transport disaster in communication amongst the ers while in full personal protective (PPE) associated with moving patients of exposure to the de-	According to Schultz, Koenig, Whiteside, & Murray of the National Standardized All Hazard Disaster Core Competencies Task Force (2012),creating disaster curricula and training based on core competencies and performance objectives will confirm that medical personnel are prepared to treat patients and avert catastrophe.
on zone. the team observer to see in the	According to Centers for Disease Control

patient room to monitor the staff for ill effects of

Lack of checklists and standard operating procedures for specific team roles and

- (CDC) (2015) SOP's should be developed for all members of the response team and for inter-facility transport of persons under investigation (PUI) for highly infectious diseases.

FIRST QUARTER SURVEY RESULTS

Survey results are used to update the Standard Operating Procedures (SOP's) for the IDRT:

 \succ The survey includes eight Likert scale questions and one open-ended question.

 \succ Twenty team members were surveyed in the fourth quarter training of 2018.

> Results indicate that IDRT members feel competent with the current SOP's related to Donning and Doffing of Personal Protective Equipment (PPE.)

> Open ended question result responses indicate they are not as competent with other

 \succ SOP's are updated based on fourth quarter 2018 survey results.

 \succ The IDRT members will be re-surveyed during first quarter 2019 training.

> Data from first quarter 2019 will be used for further updates of SOP's

COST ASSOCIATED WITH IDRT TRAINING AND CARE OF A PATIENT WITH EBOLA

Operational Costs Electricity Heat/Cooling Room Usage Inclusive of Staff for the Simulation Training Center Cost per Day \$16,600.00/ 8 Hour Day Trainings x 4 Trainings per year \$3,600.00 x12 Council meetings per year 2 hours each.	- \$ 70,000.00/year
Total Training Expenses	\$402,371.30
Revenue Generation Potential revenue	
Caring for patients with Ebola is equivalent to a stay in the ICU. Cost per patient per day (ICU comparison.)	* \$12,000.00/day
Program Benefit	
Total Revenue- *based on 10 day stay of an Ebola patient at \$50,000,00/day-	- \$500,000.00
Less Expenses-	\$402,371.30
Total Program Benefit-	\$97,628.70

RECOMMENDATIONS/CONCLUSIONS

The results of the surveys along with review of the accepted standards from the Center for Disease Control (CDC) will inform the final revisions of the SOPs. The improved SOPs will advance the quality and safety of care provided to patients in the event of an infectious disease outbreak.



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For References please scan QR Code.