

Does Implementing a Paper Time-Out Sheet Improve RN/Physician Compliance with Pre-Procedure Time-Out Prior to Invasive Bedside Procedures?



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Background

- Routine checking of common safety issues and team communication could improve patient safety and perioperative morbidity/mortality.
- Using a surgical checklist makes medical professionals pause and go through each aspect of the time out prior to proceeding with the procedure.
- Time outs focus on the patient's individual case and helps prevent medical errors.
- Surgical checklists have been shown to improve patient safety, reduce near misses, and increase patient satisfaction.

Practice Change

Increasing RN/Physician time out compliance by providing education to staff and having a paper checklist available as a reminder to actively do the time out properly.

Methods

- Administered anonymous paper pre-surveys to RN's 1 week prior implementation of educational flyers and paper checklists.
- Educational flyers posted on the nursing unit and paper checklists placed on invasive procedure carts for 1 week.
- Anonymous post-surveys were administered after 1 week of educational flyers and paper checklists in circulation

Measures and Results

UNIVERSAL PROCEDURAL VERIFICATION
Process & Responsibilities

PLAN
The PLAN is set

- An invasive procedure is ordered for a specific patient.
- Provider communicates procedure indication, time, and needed supplies.
- Nurse ensures right patient, verifies allergies, and considers appropriateness

PREP
VERIFY all information and supplies are available.

- A list of patient allergies?
- Signed consent with correct procedure?
- Medication and supplies for procedure?
- Concerns addressed?

PAUSE
TIMEOUT AS A TEAM

- Pause at the bedside
- Actively listen and participate
- Ensure verbal confirmation of patient, consent, procedure, and site
- Speak up with concerns
- Ensure "Preprocedural Time-Out" documentation completed

HOW TO DOCUMENT:

Preprocedure Time-Out

Procedure Verification	
Procedure Site Verified	
Correct Patient Position	
Allergy Band on and Verified	
Patient ID Band on and Verified	
Time Out All Present Participate	
Participants in the Procedure Room	
Anesthesia Consent Signed	
Procedure Consent Signed	
Procedure Comments	
CAD Requirements	

Time Out!

Patient

Time

Signed Consent

Allergies

Procedure

Correct Site

Equipment

Concerns?

Don't forget to document under the Pre-Procedure Time Out in iView!

Eastern Maine Medical Center

Pre Survey (n=31)

Has a Time Out been done before every invasive procedure that you have participated in?

Yes: 77% No: 23%

Are Time Outs usually documented in real time in the Electronic Medical Record?

Yes: 29% No: 71%

Do you think a visual aid will help increase the compliance of Time Outs during invasive procedures?

Yes: 80% No: 16% Unsure: 3%

Do you feel like you understand your role in a Time Out? Yes:100%

Post Survey (n=12)

Do you think Time Out compliance has improved since implementing a visual aid reminder?

Yes: 66% No: 16% Had not done a time out with change in place: 16%

Do you think that the use of this Visual Aid is beneficial when documenting the Time Out?

Yes: 91% No: 8%

Do you better understand your role in a Time Out after the implementation of the visual aid?

Yes: 66% No: 8% No answer: 25%

Summary/Discussion

This work was a preliminary investigation focused on methods to increase Time Out compliance. Moving forward, several areas require further analysis. Future efforts should include::

- Providing more education for a longer period of time.
- Providing more awareness to the issue and the change needed.
- Exploring other methodologies to improve compliance from staff..

Feedback:

“It's not realistic to documented in real time in patient room when usually only 3 staff and both sterile for procedure”

“Having a visual aid placed on the line and circumcision cart was helpful as a reminder and sequence when implementing Time Out”

Conclusion

- This project proved to be inconclusive. Further studies need to be completed and increased participation are required to determine the effectiveness of these measures.
- There was a mix of opinions on the idea of a paper visual aid used during a Time Out from the staff of NICU, L&D, and ICU. Some staff found the visual aid helpful, whereas others felt it was too much task duplication.

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