

BACKGROUND

• Early mobilization of patients reduces length of stay, decreases delirium, and improves patient outcomes after discharge.

 A previous PDSA found that Vidant Medical Center's mobility protocol known as Greenville Early Mobility Scale (GEMS) was unclear on the exercises the patients should be performing.

 Specific issues occurred with bed-bound patents or patients the staff deemed difficult to mobilize.

• The ICU Mobility Protocol: VMC Early (IMPROVE) movement program was created to remedy these issues and increase documentation of patient's mobility in the CICU.

AIM STATEMENT

We aim to have a 50% increase in the total number of times activity was documented and the total amount of GEMS level progression from July 2018 to March 2019.

PROJECT DESIGN/STRATEGY

• A total of 3 PDSA cycles / interventions were implemented to increase documentation and patient mobility from a time frame of July 2018 to March 2019 • **PDSA 1**: IMPROVE implemented with survey (October 2018) • PDSA 2: Educational poster with pamphlets outside patient doors (February 2019) • PDSA 3: EHR change to include levels 1A and 1B for documentation (March 2019) • PDSA 4: Laminated rounding aid placed outside patient doors (October 2019, January 2020) A retrospective analysis was performed with 20 patients randomly selected from a month to examine GEMS progression as well as amount of times activity had been

documented by a provider.

IMPROVE Movement: The Supplemental Exercise Program to Enhance ICU Mobility Chirag Patel, BS; Michael Ritchie, MD; Toni Holden, MSN, RN

CHANGES MADE (PDSA CYCLES)





progression per week during a specific month.

18-Jul 19-Mar 18-Oct 19-Jan Week of Month

Figure 6: Plots the average activity documented per week during a specific month.

LESSONS LEARNED

mobility.

NEXT STEPS



We would like to thank the Vidant Medical Center, the healthcare workers of the CICU, Teachers of Quality Academy, and our patients for giving us a chance to improve the quality of healthcare they receive.





 Aim statement not met; GEMS progression decreased by 2% and our activity documented increased by 44% from July 2018 to March 2019.

 Survey data indicated that on average nursing staff "somewhat agreed" IMPROVE clarified exercise needs and increased patient

• EHR change not complete by data collection; 1A and 1B levels from Figure 2 were not assigned in the data we presented. • Difficulty tracking patient's mobility as we had to examine each chart to find GEMS scores and manually count the amount of times activity was documented.

• Continue to improve EHR by creating a drop down menu for mobility type, duration, and exercise aid below the GEMS score for workers to document patient activity.

• Our goal is to populate this data in a flowsheet in the EHR to easily track mobility over time for the patients in the CICU.

• Implemented a rounding aid seen in Figure 4; intervention is currently posted outside patient doors and will help display a patient's mobility during rounds. Includes 1A and 1B levels for manual data collection.

 Consult with PT colleagues and nursing staff to elicit feedback on interventions and promote safe mobilization of patients.

ACKNOWLEDGEMENTS

