RSNA 2015 QUALITY STORY BOARD

DECREASING TIME TO CT IN ED WALK-IN STROKE PATIENTS:

Using Lean Methods and Multidisciplinary Approach to Meet the 25 Minute GUIDELINE IN A JOINT COMMISSION CERTIFIED COMPREHENSIVE STROKE CENTER

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RSNA ID: 15008063 PRESENTATION: QS109-ED-MOB1 QS COMMUNITY, LEARNING CENTER STATION #1







PURPOSE: GOAL

 The project goal was to use lean process improvement methods to increase the percentage of ED walk-in stroke code patients who meet door to CT time within 25 minutes in a Comprehensive Stroke Center to over 90% in a 5 month period.





Stanford Radiology Improvement

SUMMARY

20 WEEK PROGRAM

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- 10 CLASS SESSIONS
- ALL TEAM MEMBERS ATTEND
- MEETS EVERY OTHER FRIDAY 11AM-1PM
 - PRESENTATIONS
 - CLASS DISCUSSION
 - GROUP WORK AND ACTIVITIES
- ONLINE TUTORIALS
 - REVERSE CLASSROOM STYLE
 - TUTORIALS AVAILABLE ON YOUTUBE
- 8 MULTIDISCIPLINARY TEAMS
 - FACULTY, FELLOWS, RESIDENTS, TECHNOLOGISTS, NURSES, STAFF





- A3 PROJECT OUTLINES WERE USED TO TRACK RESULTS, FOCUSED ON 7 COMPONENTS:
 - PROBLEM STATEMENT
 - BACKGROUND
 - CURRENT STATE
 - TARGET STATE
 - ANALYSIS
 - Key Drivers/Interventions
 - SUSTAIN PLAN

























| ACTIVITY TO SUSTAIN | OWNER | SUSTAIN METHOD AND FREQUENCY | REPORT TO |
|---|-----------------------------|--|--|
| Visual reminder of minimal steps before CT scan can take place (2) | Team Leader | Creating a visual reminder to place in ED and CT | ED & CT Management |
| Visible, sharable, real-time Stroke Code performance data (1/2/3) | Stroke NP's | CREATING ELECTRONIC DASHBOARD | Neuro Management |
| Ongoing educational activities for Neurologists, ED Nurses and CT Technologist (1) | ED, CT, Neuro Leaders | Workshops, in-services, onboarding. | Management Through Stroki Code Monthly Meetings |







CONCLUSION

• THE IMPROVEMENT PROCESS DEMONSTRATED THAT USING A MULTIDISCIPLINARY TEAM APPROACH AND LEAN PROCESS IMPROVEMENT PRINCIPLES, IT IS POSSIBLE TO SIGNIFICANTLY REDUCE DELAYS TO CT IN NON-PRENOTIFIED ED STROKE CODE PATIENTS. Stanford Radiology Improvement MEDICINE Team Education



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