National Quality Improvement Conference

Improving the Code Blue Emergency Response in DDII*

*DDII - Department of Diagnostic Imaging and Intervention

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Problem Statement

A competency survey showed that DDII staff are only 74% competent in code blue emergency response.

100% competency among the DDII staff in response to the Code Blue emergency is the desired Code Blue emergency outcome.

This QI project spanned a 10-month period and

Potential Solutions

DDII staff readiness for a code blue activation was recorded prior to the refresher course and at 3 months following the refresher course using competency questionnaire surveys.

Root Causes	Solution
Code Blue emergency response only	Refresher Course for all DDII Staff
covered during new staff induction	(inclusive of Nurses Radiographers

progress monitored using a Gantt chart.

<u>Gantt Chart</u> Task/Month	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
Design Survey Questionnaire											
Pre-Data Collection and Analysis											
Brainstorm and Design Solution											
Implement Solution											
Post-Data Collection and Analysis											
Conclusion and Plans Moving Forward											

Project Aim

To evaluate staff readiness to attend to the emergency code situation, and assess their ability to locate the various medical equipment within DDII.

To Improve the overall competency among DDII staff in response to Code Blue emergency

DDII staff involved in this study includes 44 patient service associates , 20 staff nurses, 86 radiographers and sonographers.

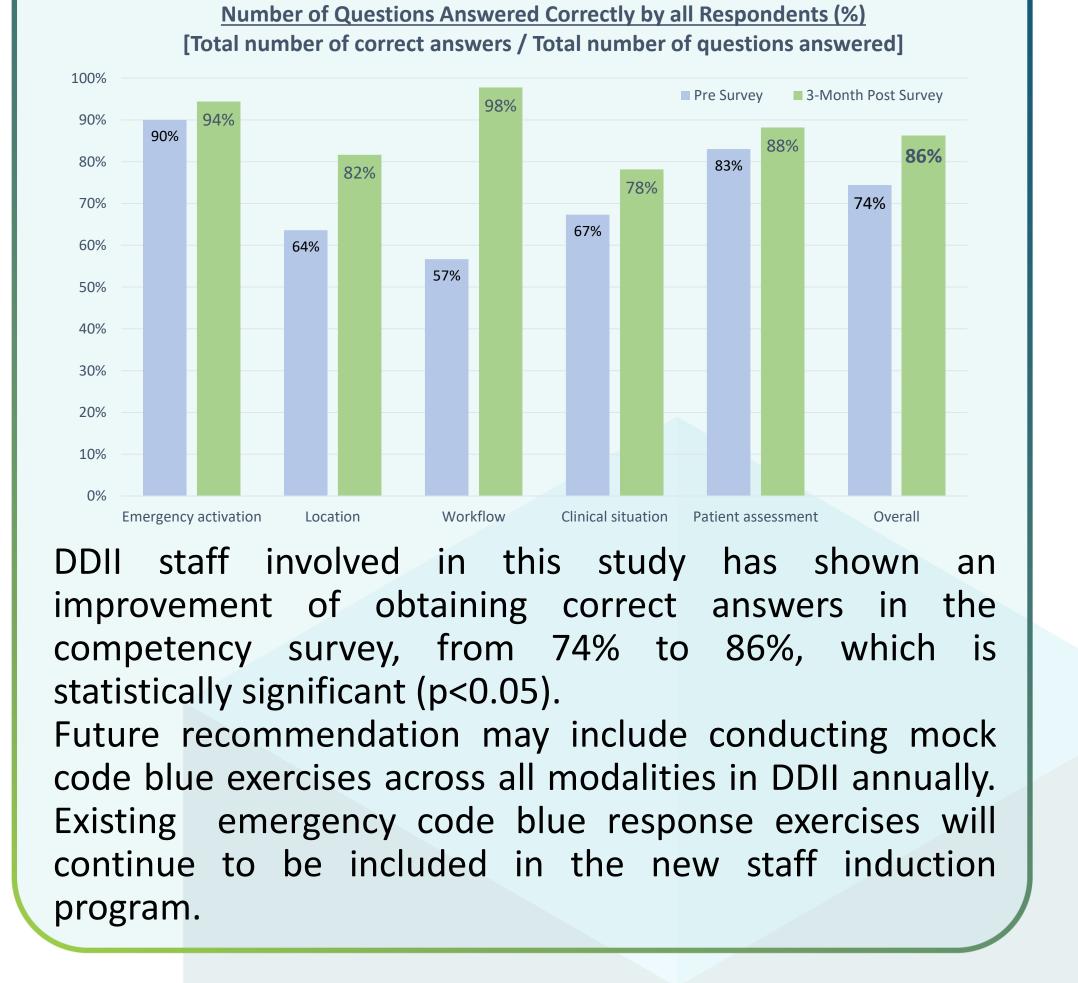


Covered during new staff induction(if
Code Blue does not happen often and not
all, or many staff are involved in the
emergency responseSo
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>Non-clinical staff's nature of work does not
involve handling of emergency equipment>Non-clinical staff's nature of work does not
require knowledge in clinical situation
assessment/response and patient
assessment>

- (Inclusive of Nurses, Radiographers,
- Sonographers and PSA):
- Code Blue emergency activation and workflow process
- Location of emergency equipment used during Code Blue emergency response
- Basic knowledge of clinical situation
 assessment/response and patient
 assessment during Code Blue
 emergency response

The team will conduct yearly Code Blue Emergency Response competency survey to all DDII staff. Those who do not achieve satisfactory results (<80%) will need to attend the code blue emergency response refresher course.

Outcomes & Impacts



Challenges	Mitigation Strategies
Refresher courses of 2 sessions a week cannot be conducted as planned due to staff work constraints	Conduct on Friday only for some weeks. Arrange extra sessions on Wednesday lunch hours for some weeks.
Non-adherence to the planned course dates due to constantly changing workload/roster of both Trainer and Participant	Liaise with the various team leaders of staff who will schedule their staff as participants to the course dates instead
Venue/Timing not ideal on some course dates	Change to alternative place and timing to accommodate participants on a course date-by-date basis
Unable to maximize the attendance on some course dates	Continue to conduct training on these course dates as it is assessed to be easier to arrange another date for those that cannot attend on their allocated dates rather than to cancel the training on dates with low attendance and then arrange training for all again (can attend + cannot attend)