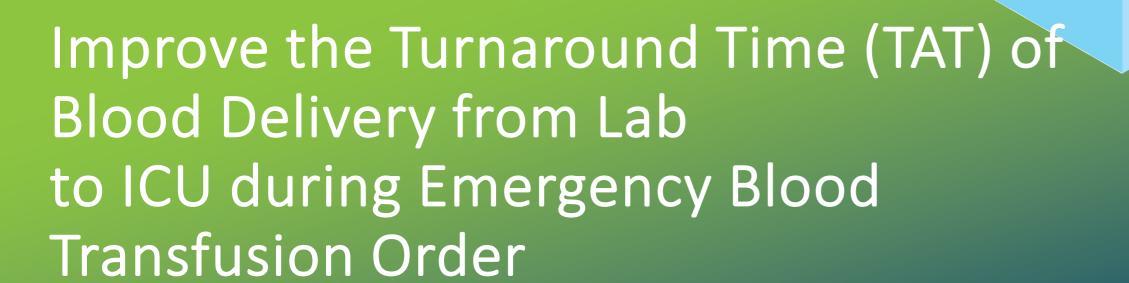
National Quality Improvement Conference



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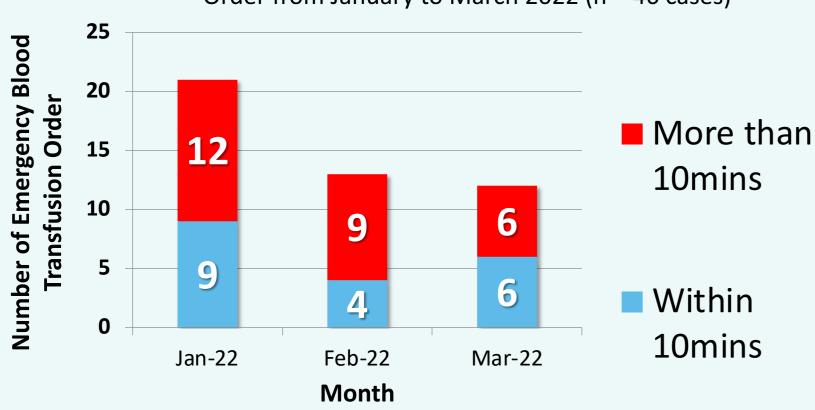
Zhao Junyu, ICU, Assistant Nurse Clinician Tan Hooi Yee, ICU, Senior Staff Nurse Rachel Tan Suet May, ICU, Senior Staff Nurse Wesley Kok Kee Leong, ICU, Senior Staff Nurse Evangelista Jebelle, ICU, Staff Nurse Alice Yeh Yuan Feng, Manager (Lab) Jonathan Wong Ching Siong, Environmental Service (ES)



Problem Statement

From January to March 2022, 27 cases (n=46) of emergency blood transfusion orders took MORE THAN 10 MINUTES to reach ICU

> Turn-around-time (TAT) of Blood Delivery from Laboratory to ICU during Emergency Blood Transfusion Order from January to March 2022 (n = 46 cases)



Project Aim

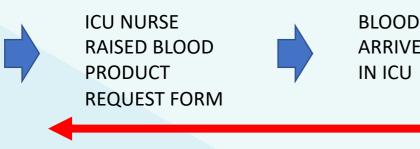
To achieve Turn-Around-Time (TAT) of blood delivery from Laboratory to ICU during emergency blood transfusion order within 10minutes, from 1st April 2022 to 30th September 2022

Lessons Learnt

- cue does help to 1. Visual improve team's communication
- 2. Widen the scope of TAT for future project to include the time emergency blood is ordered by the doctor to the time the blood is administered to patient

EVENT FLOW DIAGRAM

DOCTOR ORDERED EMERGENCY BLOOD TRANSFUSION



ADMINISTER IN ICU TO PATIENT **Current Scope of Project**

BLOOD

Potential Solutions

PDSA Cycle 1

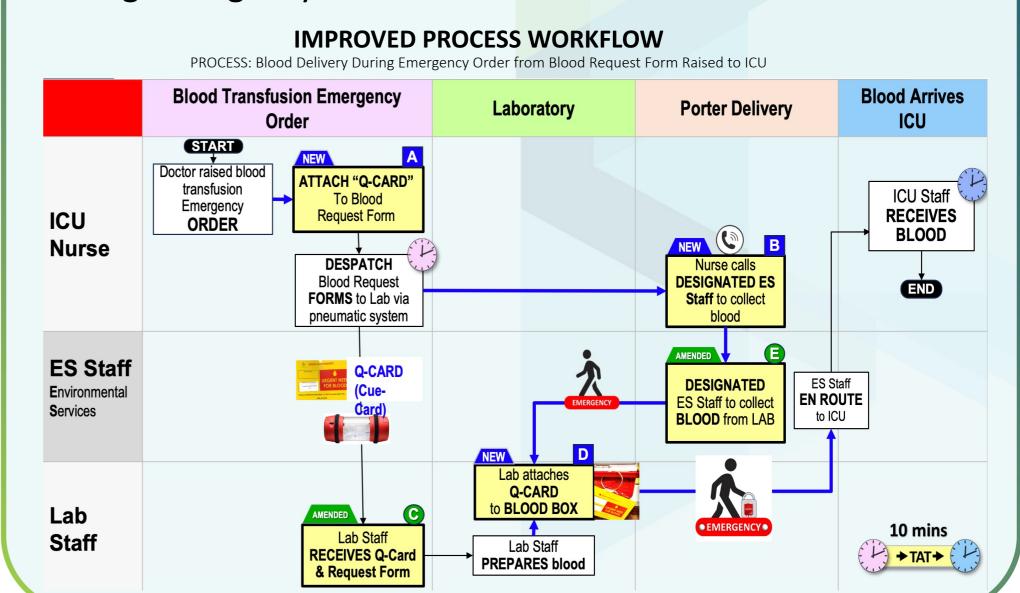
Review workflow process of assigning dedicated ICU Environmental Service (ES) staff for blood collection during emergency blood transfusion order

PDSA Cycle 2

Add on Visual Cue card as mode of communication across ICU, Lab and ES department

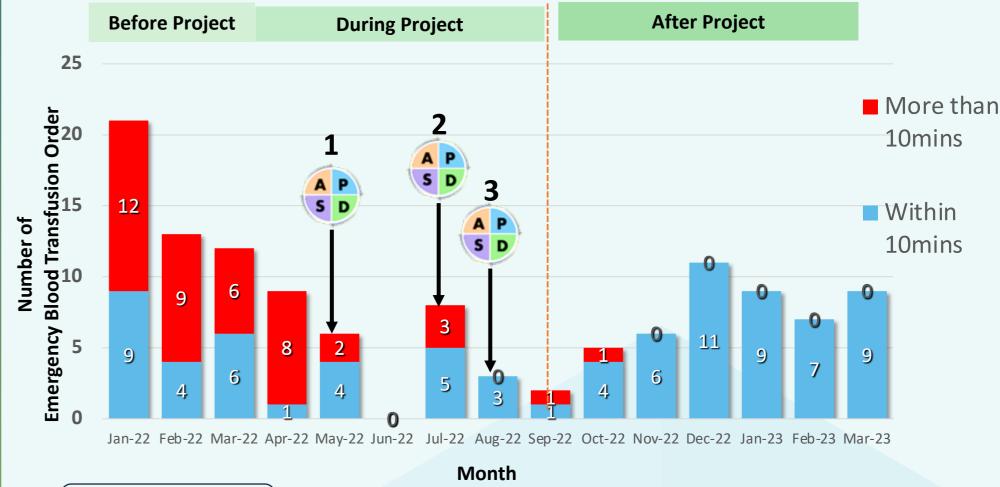
PDSA Cvcle 3

Training and establish a uniform blood delivery workflow during emergency blood transfusion order



Outcomes & Impacts

TAT of Blood Delivery from Laboratory to ICU during Emergency Blood Transfusion Order from January 2022 to March 2023



Impacts

- 1. Mitigate the risks of preventable undesirable outcomes resulting from delays in in the delivery of blood to ICU during emergency blood transfusion
- 2. Improved process workflow, enhance efficiency and productivity
- 3. Create harmony in multidepartment collaboration