

Project Title

Improving and maintaining hand hygiene within JCH rehab

Project Lead and Members

Project lead: Gladys Tan

Project members: Qiu Wenjing, Chen Changwu, Mildred Yong, Dorcas Gui, Alison Tan, Mohammad Mumeen

Organisation(s) Involved

Jurong Community Hospital

Healthcare Family Group Involved in this Project

Allied Health

Applicable Specialty or Discipline

Speech Therapy, Physiotherapy, Occupational Therapy

Aims

Starting from August 2020, the JCH Rehab team aims to increase and sustain the

hand hygiene compliance rate to \geqslant 80% for 6 months post-intervention.

Background

See poster appended/ below

Methods

See poster appended/ below

Results

See poster appended/ below



Lessons Learnt

Through this project, we realized the importance of how understanding different root causes can provide multiple insights to a problem that may appear straightforward at first glance. Most of our tests targeted the main root cause (lack of reinforcement), however after studying the data obtained and getting feedback from the ground, we also realized that a lack of education, especially among newer staff, can also affect compliance rates greatly (near 40% decline). Upon further analysis, we realised that new hires typically go through 1 session of hand hygiene during their onboarding programme which only focused on the 5 moments of hand hygiene. However during sessions with patients, rehab staff have to manage rehab equipment as well., which led to some confusion that were not addressed. Hence, getting feedback and relooking into our root causes will allow us to find better solutions for our problems and ensuring continual quality improvement.

Conclusion

See poster appended/ below

Project Category

Care & Process Redesign

Value Based Care, Safe Care, International Patient Safety Goals, Adherence Rate, Risk Management, Preventive Approach, Adverse Outcome Reduction

Keywords

Hand Hygiene, Rehabilitation Staff

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IMPROVING AND MAINTAINING HAND HYGIENE WITHIN JCH REHAB

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PRODUCTIVITY COST

EXPERIENCE

SAFETY

QUALITY

PATIENT

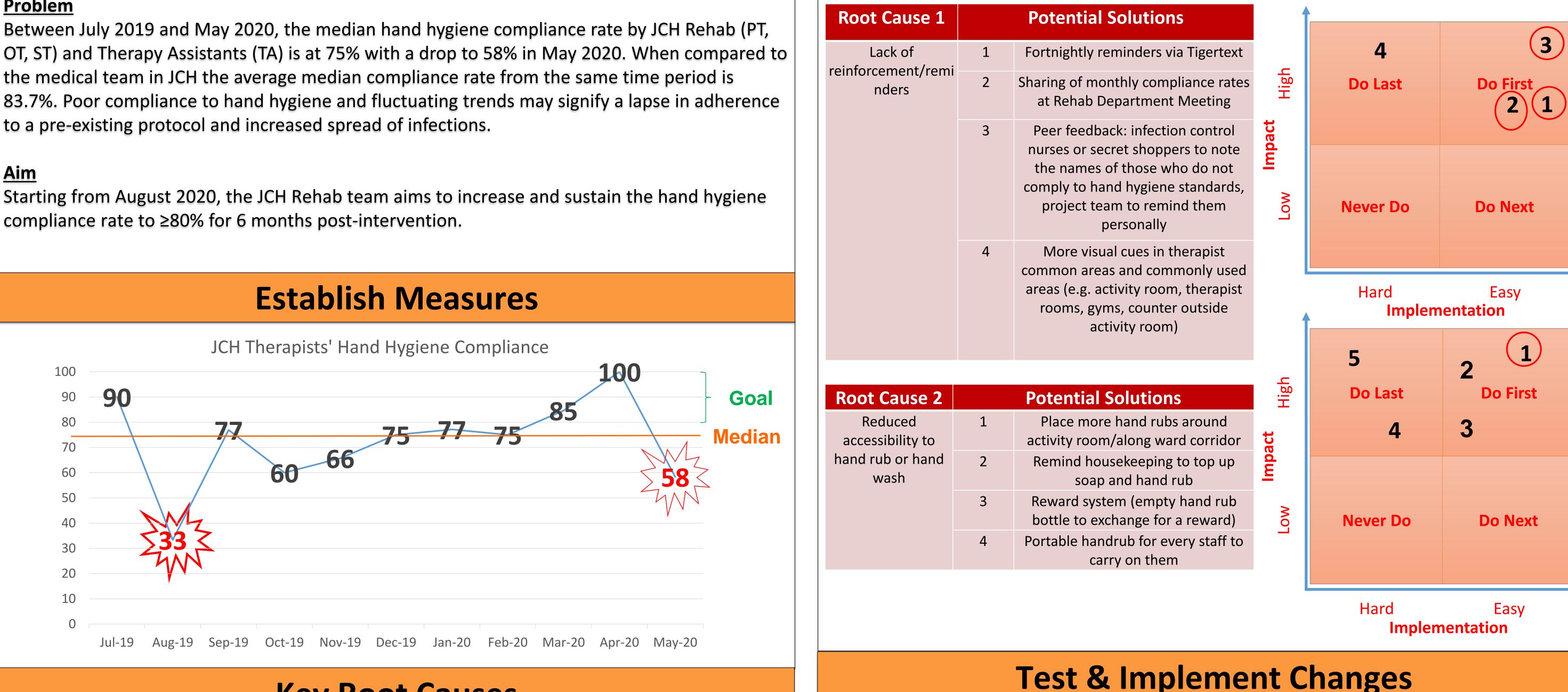
Problem & Aim

Problem

Between July 2019 and May 2020, the median hand hygiene compliance rate by JCH Rehab (PT, OT, ST) and Therapy Assistants (TA) is at 75% with a drop to 58% in May 2020. When compared to the medical team in JCH the average median compliance rate from the same time period is 83.7%. Poor compliance to hand hygiene and fluctuating trends may signify a lapse in adherence to a pre-existing protocol and increased spread of infections.

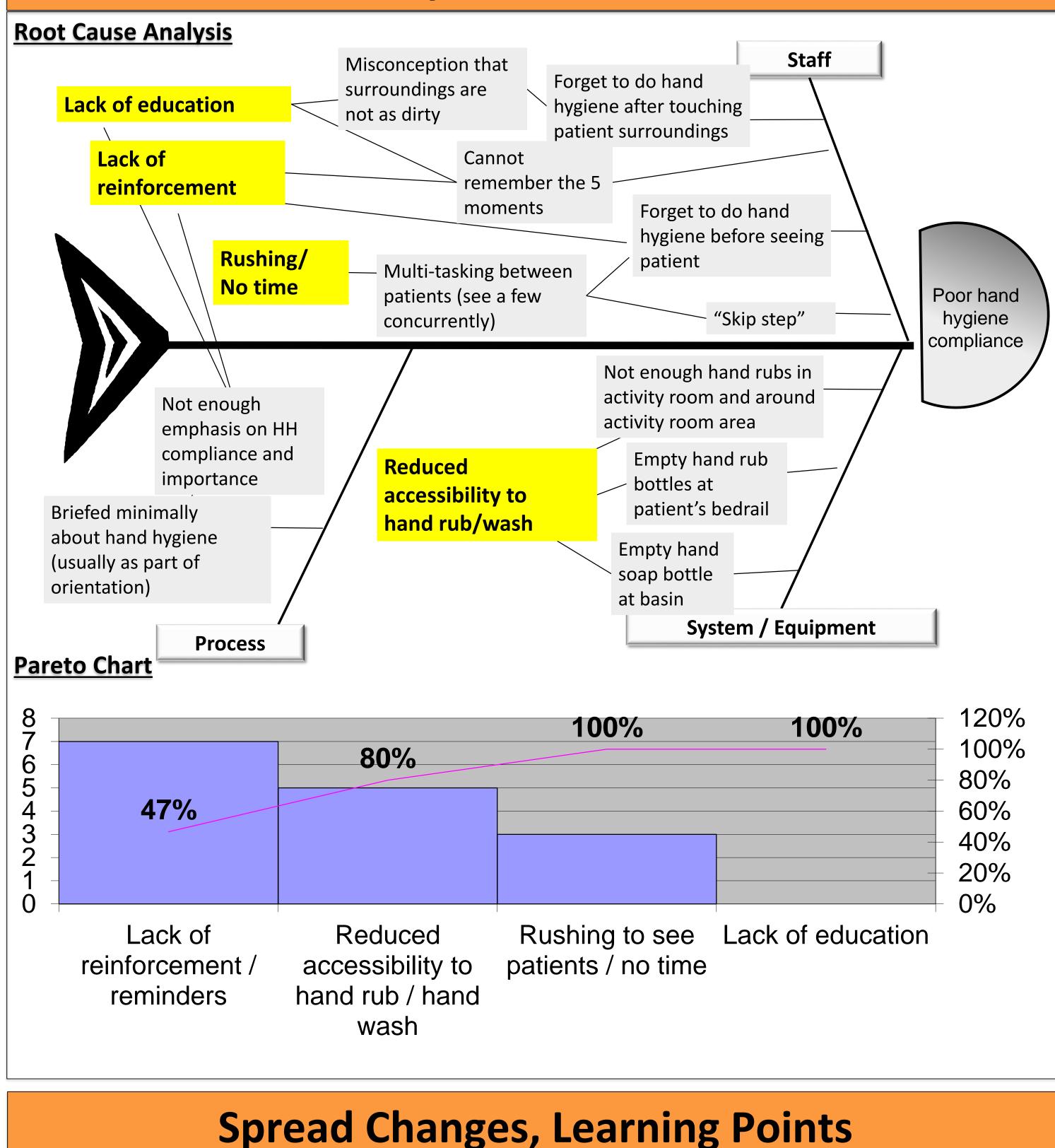
compliance rate to \geq 80% for 6 months post-intervention.

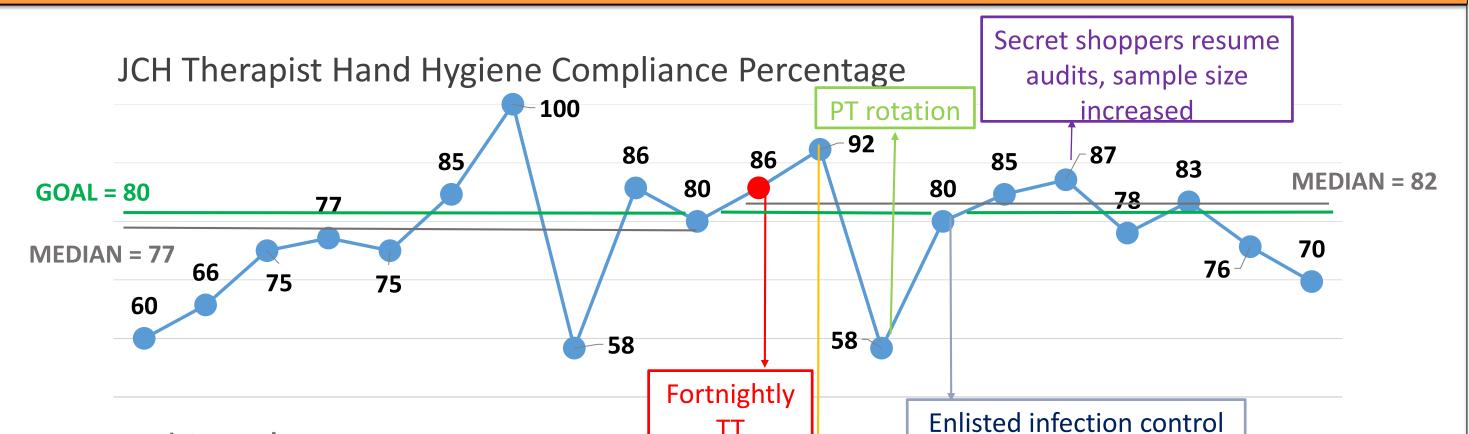
Targeted Causes & Changes



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Key Root Causes





	Interventions		TT reminders		Enlisted infection control nurses' help to comment TH VS TA for non-	
	1. Sharing of monthly stats 2. Reminder to staff from wards with no 3. Increased accessibility of hand rubs in 4. Compulsory infection control e-learni		n activity room ng (one-time event)		compliance episodes for further drill down to pool of non-compliant staff	
YCLE	octr NOV DEC JAN FEBRINAR	APR: MAY. JUN.	JULT AUG. SEP.		STUDY	MART APPER MATT
1	To test whether increasing frequency of hand hygiene reminders increases compliance rate. Hand hygiene representatives from each allied health team to send out biweekly reminders to respective departments.	Plan was carried out accordingly. Staff provided feedback that reminders helped to provide reinforcement and enabled them to be mindful of hand hygiene practices.		Increase in hand hygiene rates was observed. Staff also showed increased awareness of hand hygiene by engaging in more conversations about it.		Adopt: • Continue biweekly reminders for better reinforcement. •
1.1	To test whether sharing of monthly statistics increases compliance rates. QI Team leader to obtain monthly statistics from infection control team and share statistics to hand hygiene representatives.	Plan was carried accordingly. Staff sharing of month compliance rates to reinforce good hygiene practices allowed them to against performa previous months	found provide the provide the provide the provide term of the provident term of term	Complements with previous test to further increase and sustain compliance rates. However compliance rates declined by nearly 40% in October 2020. This could be due to a new rotation in the PT department involving 8 new staff		 Adopt: Continue sharing of monthly statistics for better reinforcement. Adapt: Infection control and hand hygiene to be part of staff orientation for new rehab staff coming to JCH.
1.2	To test whether increasing the availability of hand rubs in ward activity rooms increases compliance rates. Rehab staff to remind nursing staff to provide hand rubs at ward level and to remind housekeeping staff to top up empty hand rub bottles.	Plan was carried accordingly. Staff that increased av of hand rubs in re helped to remind visually. Howeve hand rub bottles slow to replenish frequent reminde nursing and hous staff	found re vailability to ehab area H der them st er, empty m were th despite of ers to co	esults as ogether v owever, aff show ore tedio nat the in	feedback from ed that it was ous to ensure creased number b bottles were	Abandon: • Keep to original amount of hand rub bottles in activity rooms (2).
1.3	To test whether identification of non- compliant staff increases compliance rates. Infection control team and secret shoppers to identify obtain names of staff who are not compliant and share it with QI team leader, who will give a verbal reminder to affected staff.	of staff without l	for infection I secret ain names	ot done.		Abandon

Strategies to spread change after implementation

Hand hygiene representatives from each allied health team will continue to implement strategies that worked well (biweekly reminders, sharing of hand hygiene statistics) to their departments (PT, OT, ST, Therapy Assistants). Representative can also continue to gather feedback and questions during their monthly department meeting when the statistics are shared.

Key Learning Points

Through this project, we realized the importance of how understanding different root causes can provide multiple insights to a problem that may appear straightforward at first glance. Most of our tests targeted the main root cause (lack of reinforcement), however after studying the data obtained and getting feedback from the ground, we also realized that a lack of education, especially among newer staff, can also affect compliance rates greatly (near 40% decline). Upon further analysis, we realised that new hires typically go through 1 session of hand hygiene during their onboarding programme which only focused on the 5 moments of hand hygiene. However during sessions with patients, rehab staff have to manage rehab equipment as well., which led to some confusion that were not addressed. Hence, getting feedback and relooking into our root causes will allow us to find better solutions for our problems and ensuring continual quality improvement.

