

BLANTYRE ADVENTIST HOSPITAL QUALITY IMPROVEMENT PROJECT TITLE : IMPROVING THE RATE OF SUCCESSFUL CARDIOPULMONARY RESUSCITATIONS IN ICU

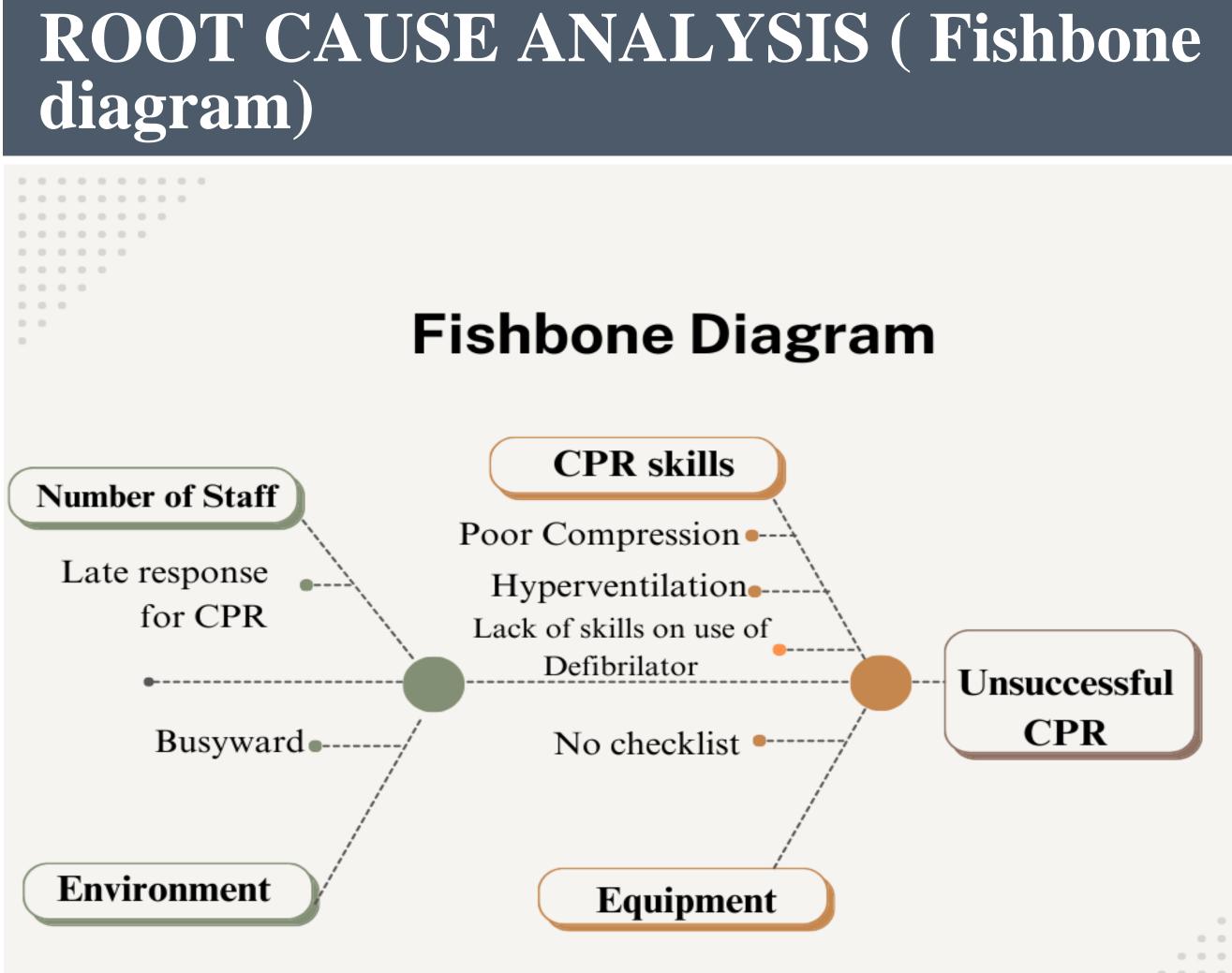
Members: Nancy Chirombo, Dr. F. Donda, Gerryta Msuku, Doro Gulubanda Theu, Mary Zingwangwa, Fanny Bandawe, Munozga Shela, Cynthia Kapondo, Asefu Banzi, Latoya Kaitano, Asante Ambali, Aubrey Kumpatsa, Kettie Kaphri, Ida Umali.

THE PROBLEM

Reduced success rate of CPRs in the ICU, as observed from January to March of 2023. Through data examination, the ICU supervisor and the ICU clinical audit team were able to identify the challenge. Merely 18% of CPRs were successful, as per the baseline survey. This finding encouraged the Quality Improvement (QI) team to carry out a QI study with the aim of improving shortfalls thereby increasing the frequency of successful CPRs during both day and night shifts.

AIM

By August, 2023, we want to increase the percentage of ICU CPRs that are successful from 18% to 60%.



Prioritization Matrix

No.	List of possible problems/root causes	Patient Outcome/	Affordable in Term of Cost / Resources (1-5)		Under Control of Team Members (1-5)	Total (4-20)	
1	Lack of skills	5	5	5	5	20	
2	Number of staff	5	1	2	4	12	
3	No checklist	5	1	3	4	13	

PLAN DO ACT STUDY CYCLE PLAN -Resuscitation team will make a plan on BLS and ACLS training -The trainings will be in March-April by Dr. Victor from Loma Linda The resuscitation team will be collecting data of the attendance -Checklist will be formulated by Dr. Donda and reviewed at the end of June -IT Department will install intercom by the end of march 2023 • The predicted Results of this change may be low on the first month since it's new DO **AC** -BLS and ACLS training was successfull ICU nurses conduct a departmenta done and the drills are being organized by meeting on the proposed plan the resuscitation team. All ICU nurses to be certified to both -In the month of November Dr. Bala BLS and ACLS done in the month of reviewed the CPRs checklist and drills and march and April commented on the areas of improvement The resuscitation team to approve -All ICU nurses are using checklist for all template developed by Dr. Mishell from Loma Linda Orientation on checklist to be done to al ICU nurses on how to use it and where to get it (crash cart) The team to understand the importance of using intercom and checklist during CPR

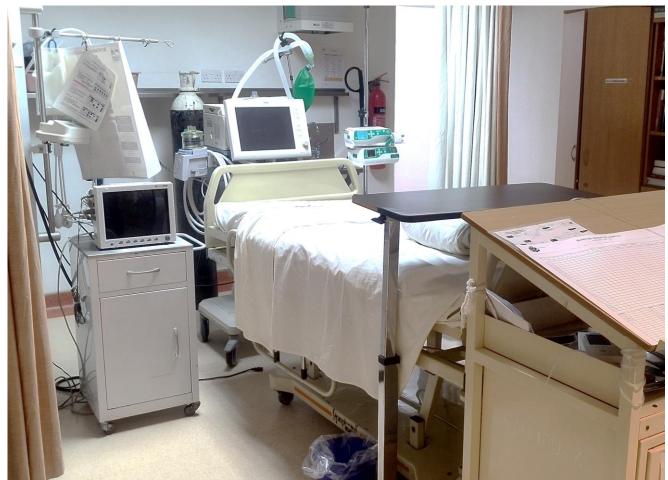
0.0 .

STUDY

-The tool simplified how to conduct CPR by providing step by step detail -The prediction was true in the way that in first few months there was a low percentage of ICU nurses using the tool due to panic

-The change of idea was implemented as planned and resulted in an improved percentage of successful CPRs-





Changed Ideas

What will help to solve the	Ho
problem?	car
BLS and ACLS training	To ii
 Electrical phone (intercom) call for help and proper allocation of responsibilities Develop colour coding and orientation Involve resuscitation team 	Το ε
Develop a CPR checklist to guide during CPR and a time keeper communicate to the entire team.	 Le It ac C It

w will this change improve improve skills among ICU nurses

ensure high quality CPR

.eader

t will provide guidance, consistency accountability efficiency and clarity during

will improve nurses efficiency for additional patient evaluation and promotes essential for good clinical communication

DATA



RESULTS

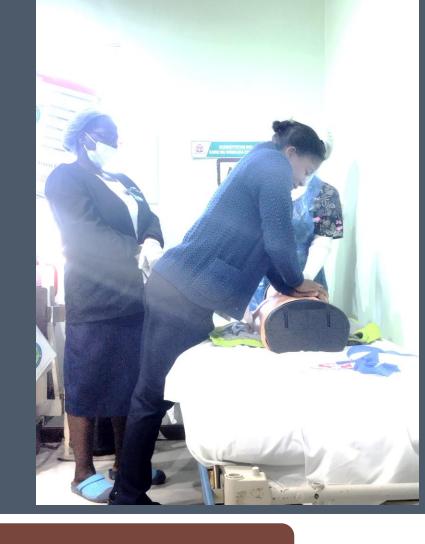
- second quarter.
- both BLS and ACLS.

SUMMARY

- Good timely response from other team members was observed
- The BLS and ACLS helps the team to get knowledge and skill on how to use resuscitation equipment and identify reversible causes i.e. shockable rhythms

FUTURE STEPS/ WHAT'S NEXT?

- Quick response to Resuscitation to be maintained
- Coordinated team for Resuscitation to have frequent review meetings
- To have certified ACLS and BLS trained team of doctors and nurses
- To decrease mortality rate, morbidity and improve survival outcomes in cardiac arrest patients
- To continue monitoring CPR using the tool for consistency
- Implementation of debriefing in every department after CPR to identify gaps and ways to improve
- To have CPR Drills



PERCENTAGE OF SUCCESSFUL CPR

• There is increased percentage of successful CPR starting from the

• Looking at the progress of our project there is a significant improvement of successful CPR since all the nurses are certified by

There was good coordination on CPR roles

Resuscitation equipment is now ready and easy to reach Effectiveness of CPR has greatly improved

• To have more resuscitation equipment and medication like AED pads