

A STUDY ON INFECTION CONTROL PRACTICES IN ICU AND WARDS AMONG DOCTORS AND STAFF AT WOCKHARDT HOSPITAL, NAGPUR

Submitted By:

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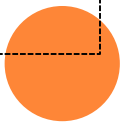
INTRODUCTION

About Wockhardt Hospital, Nagpur

- It is 118 bedded hospital offering super specialty care.
- The scope of services are, orthopedic, neurology & neurosurgery, cardiac surgeries & transplant.
- It provides Emergency, OPD, IPD, X-Ray, CT Scan, MRI, Laboratory, ECG, ECHO, PFT, Dialysis, well equipped ICU, OT, Cath Lab & Rehabilitation Services.
- This hospital was established in 2008 in the heart of Nagpur City.

Infection Control Practices in ICU & Wards

- Hospital Acquired Infection is a serious health hazard as it leads to increased patients' morbidity and mortality, length of hospital stay and out of pocket expenditure.
- There are some important parameters like,
 - CAUTI
 - VAP
 - CLABSI
 - Safe Injection Practice
 - Hand Hygiene
 - PPE
 - Surveillance



OBJECTIVES OF THE STUDY

- To assess the knowledge on Infection Control Practices among RMOs, Nurses, Technicians, Physiotherapists & Housekeeping Staff in ICU & Wards
- To identify the major factors hampering infection control measures in ICU & Wards
- To observe the IC practices of Nursing staff



METHODOLOGY

- **STUDY DESIGN:** - Descriptive & Exploratory Study
- **SETTING:** - Wockhardt Hospital, Nagpur
- **DURATION OF THE STUDY:** - Feb. 2018 – April 2018
- **SAMPLE SIZE:** - **25 RMOs and 158 Hospital staff** - Nurses, Physiotherapist, Technicians, Housekeeping staffs and **61 observational samples**
- **SAMPLING TECHNIQUE:** - Convenience Sampling.

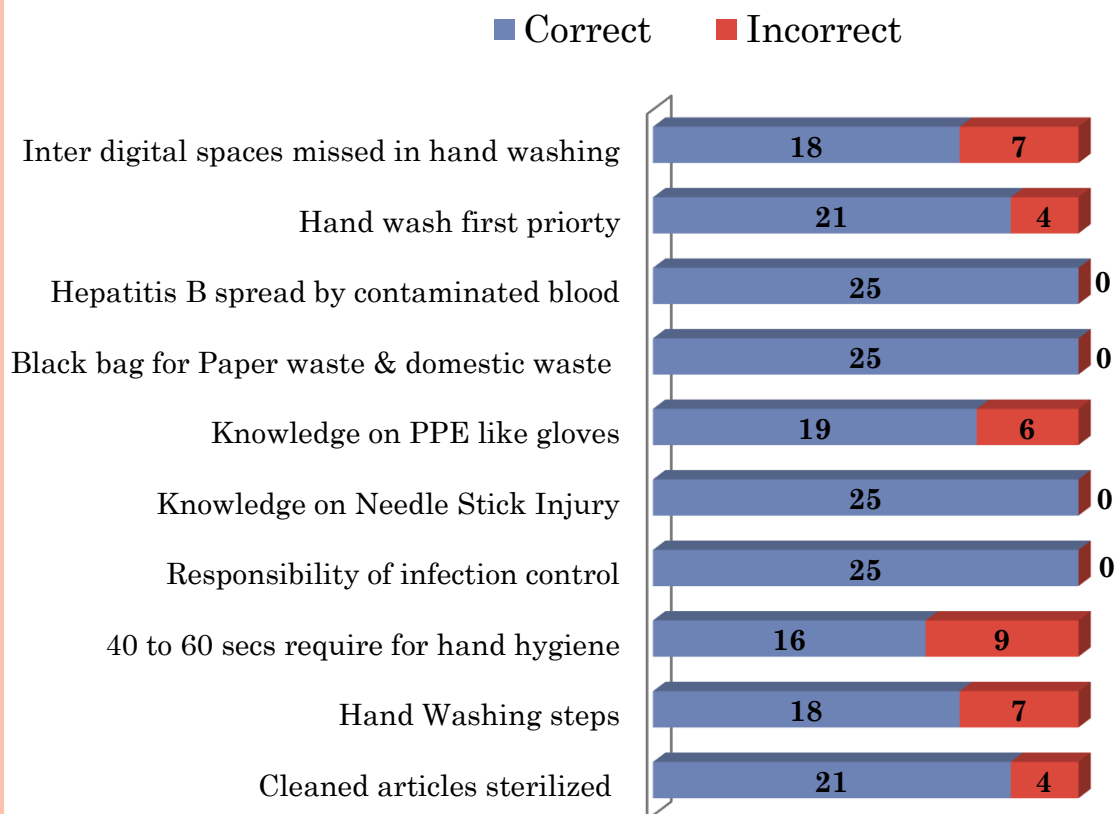


FINDINGS



RMOs KNOWLEDGE ON INFECTION CONTROL

Individual questions



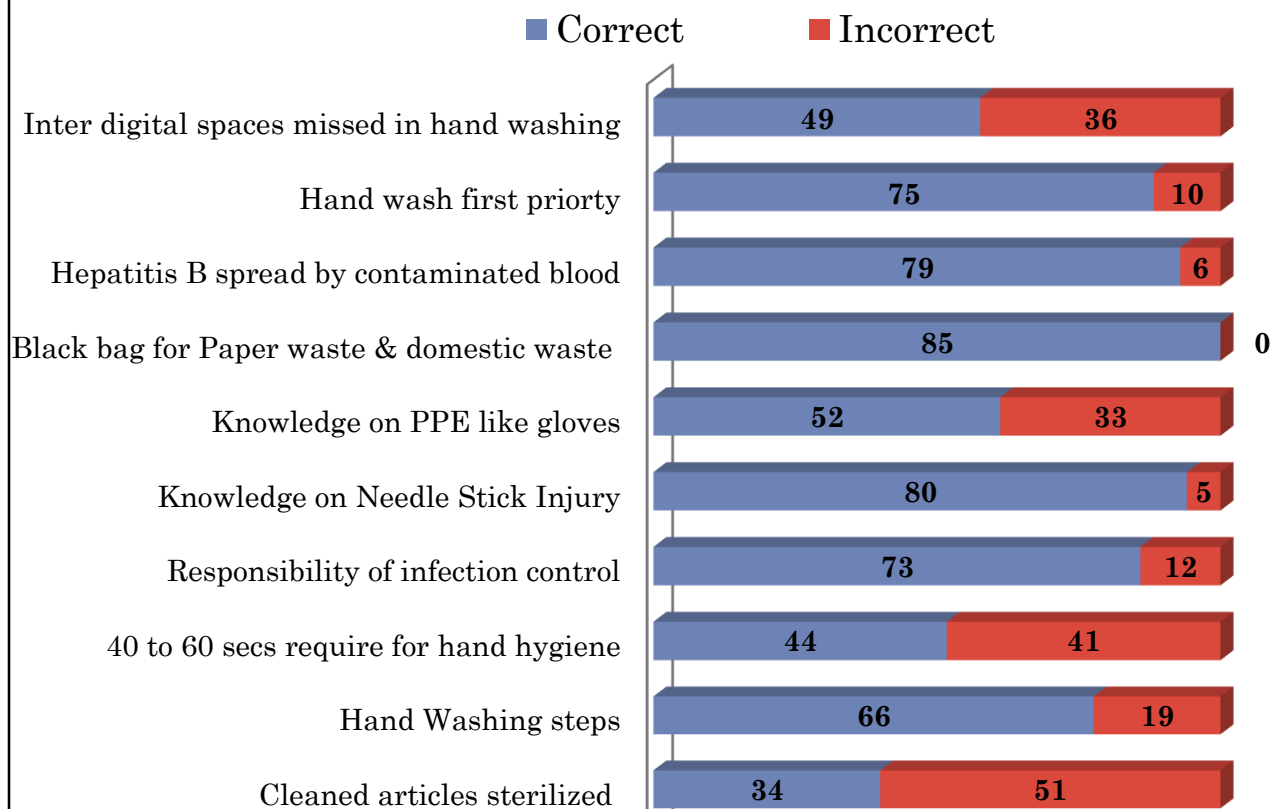
Overall Knowledge

% Correct Responses	No Of RMOs
Above 80%	13
80%	9
70%	2
60%	1

NURSES KNOWLEDGE ON INFECTION CONTROL

Individual Questions

Overall Knowledge

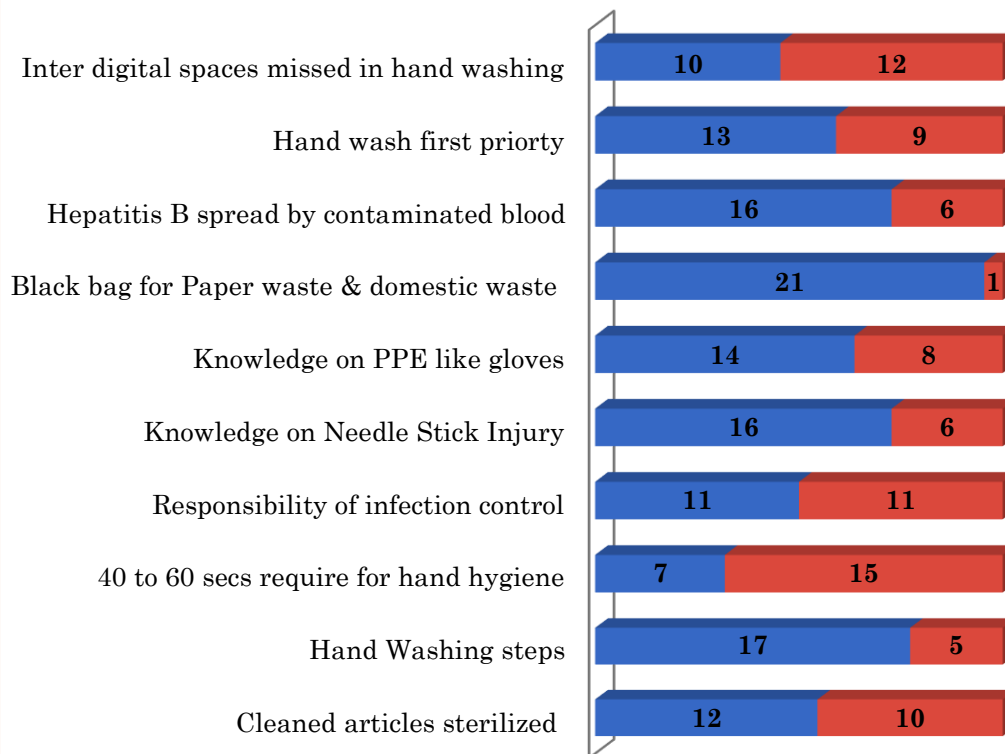


% of Correct Responses	No of Nurses
Below 50%	5
Response 50%	3
Response 60%	9
Response 70%	15
Response 80%	29
Above 80%	24

TECHNICIANS KNOWLEDGE ON INFECTION CONTROL

Individual Questions

■ Correct ■ Incorrect



Overall Knowledge

% of correct response	No of technicians
Below 50%	5
50%	4
60%	5
70%	3
80%	5

PHYSIOTHERAPISTS KNOWLEDGE ON INFECTION CONTROL

Individual Questions

Overall Knowledge

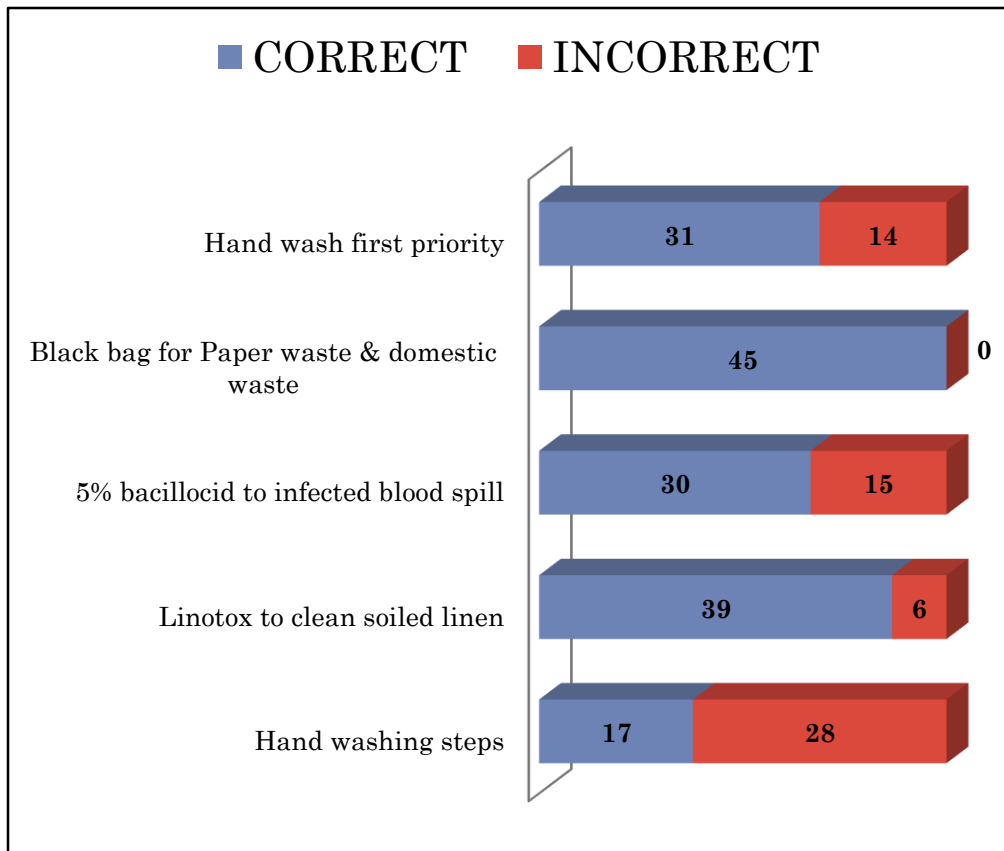
■ Correct ■ Incorrect



% of Correct Response	No of Physiotherapist
Response 60%	1
Response 80%	1
Above 80%	4

HOUSEKEEPING STAFF KNOWLEDGE ON INFECTION CONTROL

Individual Questions



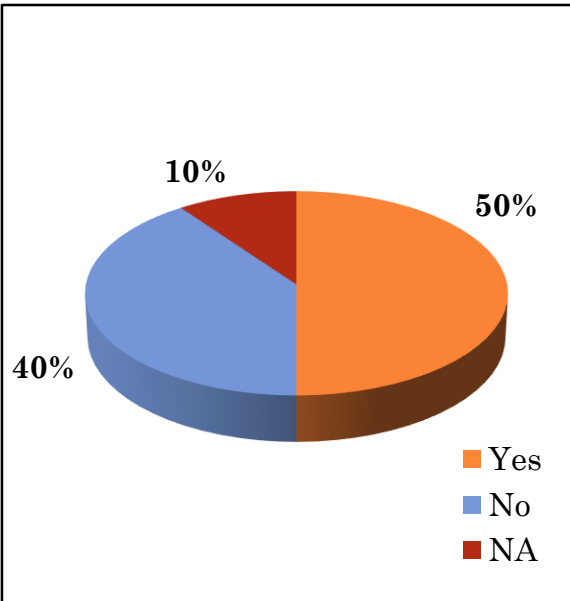
Overall Knowledge

% of Correct Response	No of Housekeeping Staff
Below 50%	7
Response 60%	9
Response 80%	18
Above 80%	11

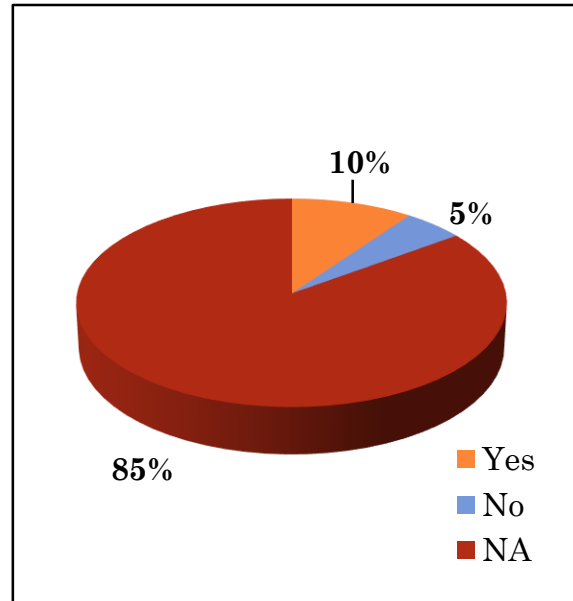
OBSERVATIONAL:-MICU COMPLIANCE

Bundle check list compliance

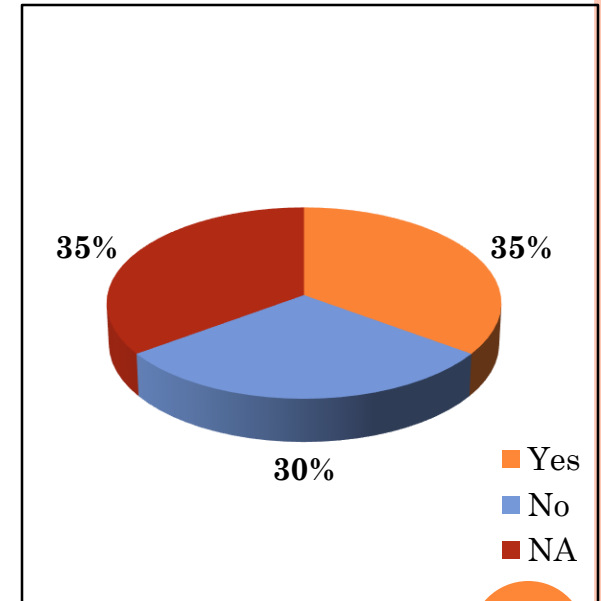
CAUTI



VAP

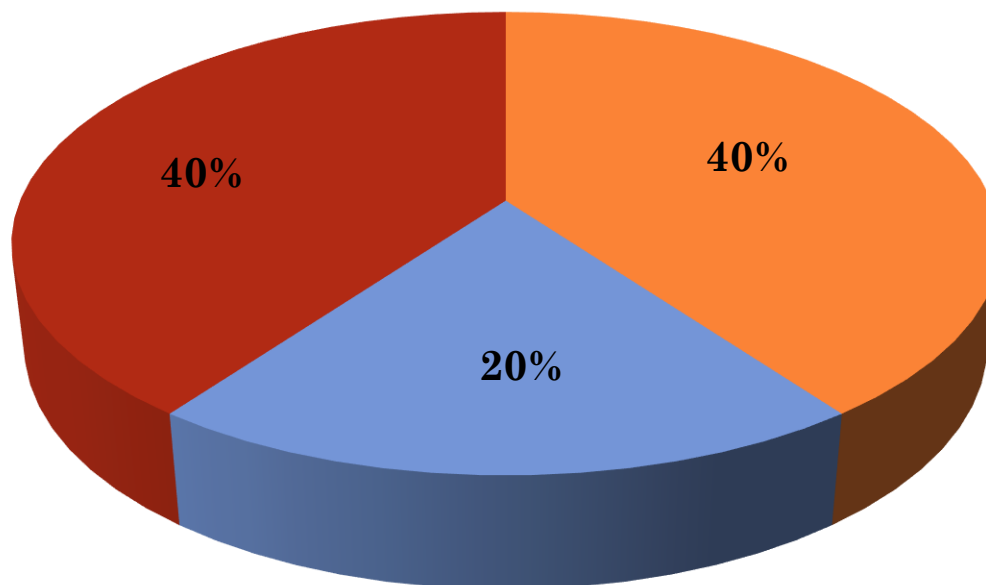


CLABSI



MICU COMPLIANCE

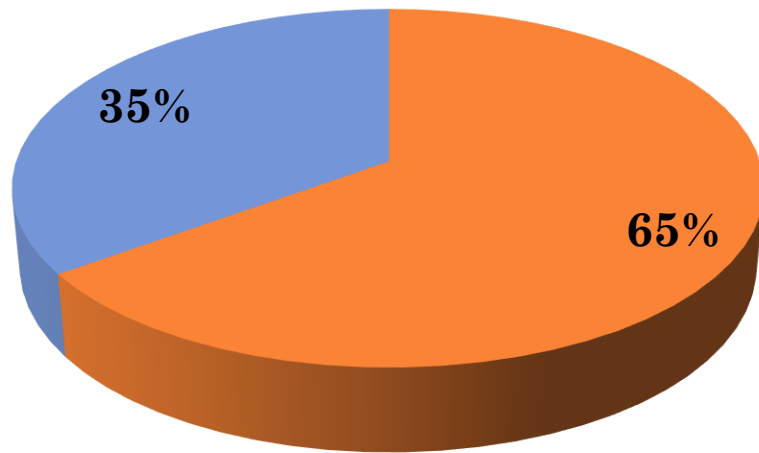
HAND HYGIENE & PPE NON COMPLIANCE



■ HAND HYGIENE NON COMPLIANCE
■ NON COMPLIANCE PPE

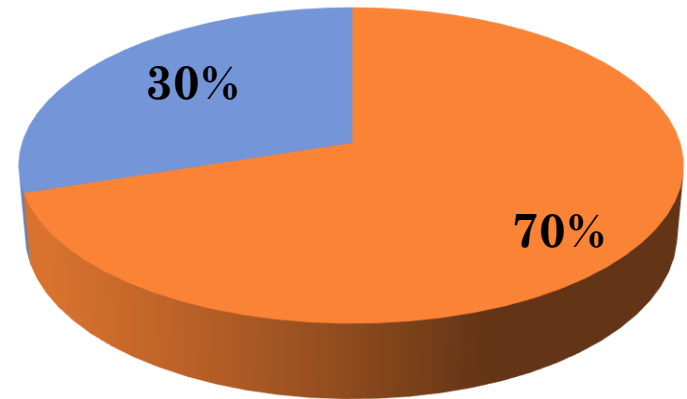
MICU COMPLIANCE

Hand Written Medication Sticker Error on Antibiotics Bottle



■ MEDICATION STICKER PRESENT
■ MEDICATION STICKER NOT PRESENT

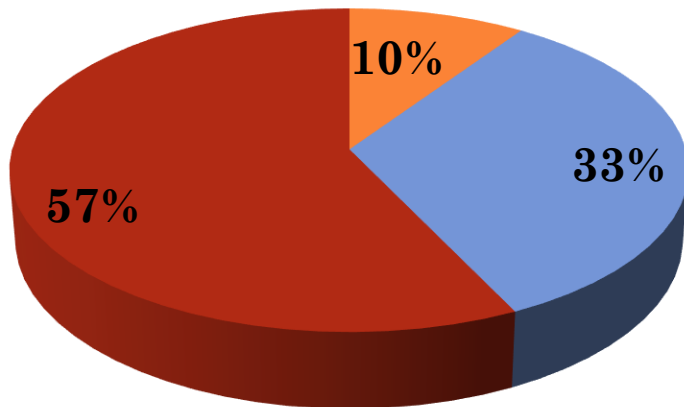
Documentation Error



■ DOCUMENTATION PROPER
■ DOCUMENTATION NOT PROPER

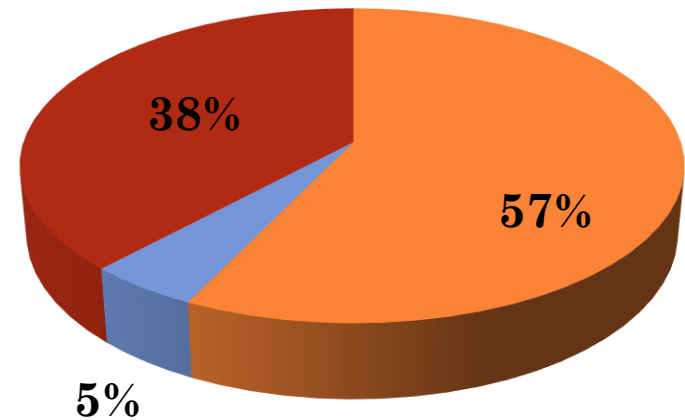
4TH LEVEL COMPLIANCE

CAUTI COMPLIANCE



■ YES ■ NO ■ NA

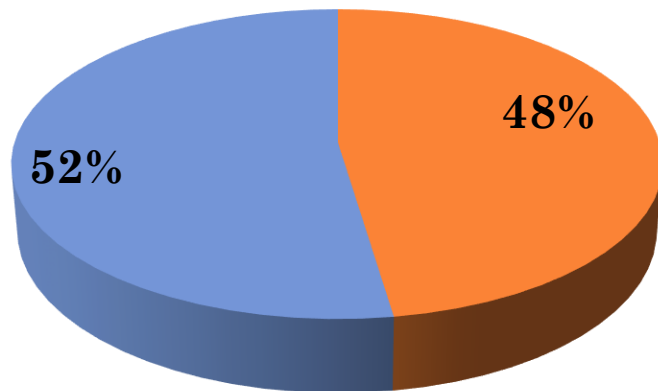
Hand Hygiene & PPE Non Compliance



■ HAND HYGIENE NON COMPLIANCE
■ NON COMPLIANCE PPE
■ ALL CORRECT

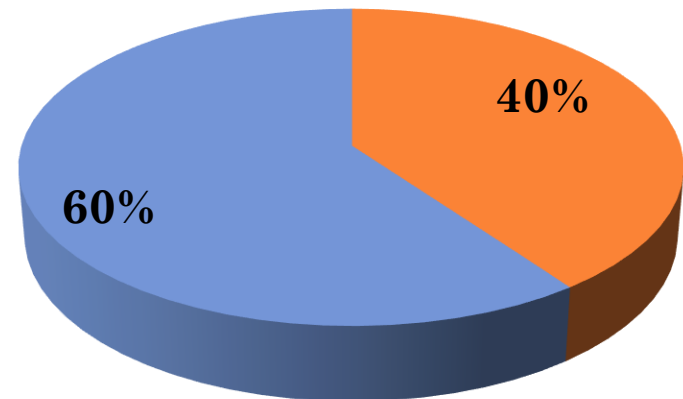
4TH LEVEL COMPLIANCES

Hand Written Medication Sticker on Antibiotic Bottle



■ MEDICATION STICKER
PRESENT
■ MEDICATION STICKER NOT
PRESENT

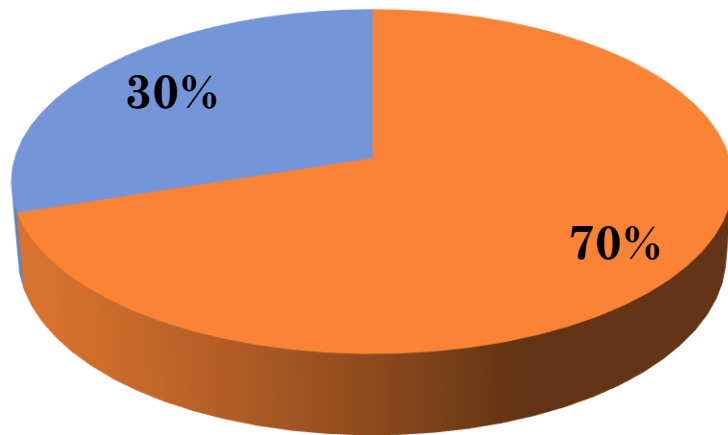
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■ DOCUMENTATION NOT PROPER
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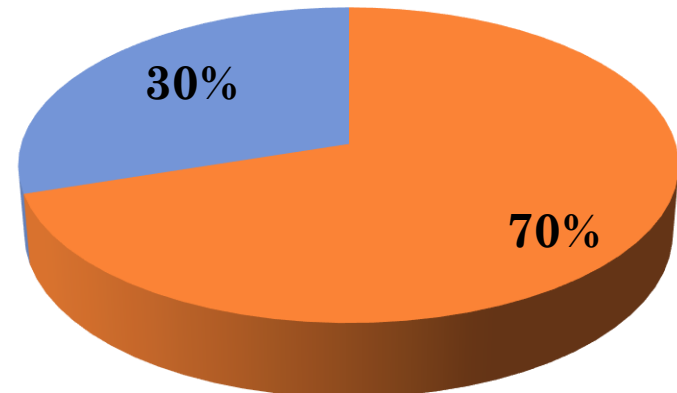
5TH LEVEL COMPLIANCE

Hand Written Medication Sticker on Antibiotics Bottle



- MEDICATION STICKER NOT PRESENT
- MEDICATION STICKER PRESENT

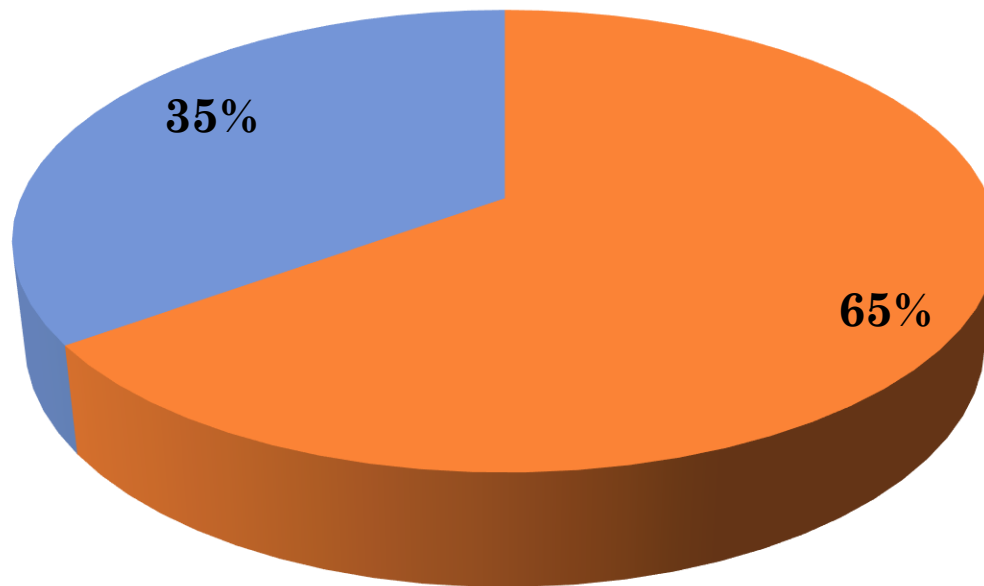
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- DOCUMENTATION PROPER
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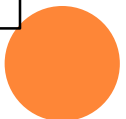
5TH LEVEL COMPLIANCE

HAND HYGIENE NON COMPLIANCE



■ HAND HYGIENE NON COMPLIANCE

■ ALL CORRECT



CONCLUSIONS:-

- Training & development of all hospital staff about infection control
- CME for doctors, nurses, physiotherapists & technicians on infection control.
- Weekly auditing can be done for nurses.
- Empowerment of Infection Control Nurse.
- Conduct sessions for housekeeping staff, for infection control.
- Motivation of staff for infection control practices through a small token of gift.
- Surveillance programs can be implemented for monitoring purposes.



**THANK
YOU!**

