

INTRODUCTION

Health-care-associated infections (HAIs) are among the most vital patient safety issues in health care today.

CENTRAL LINE ASSOCIATED BLOOD STREAM INFECTIONS

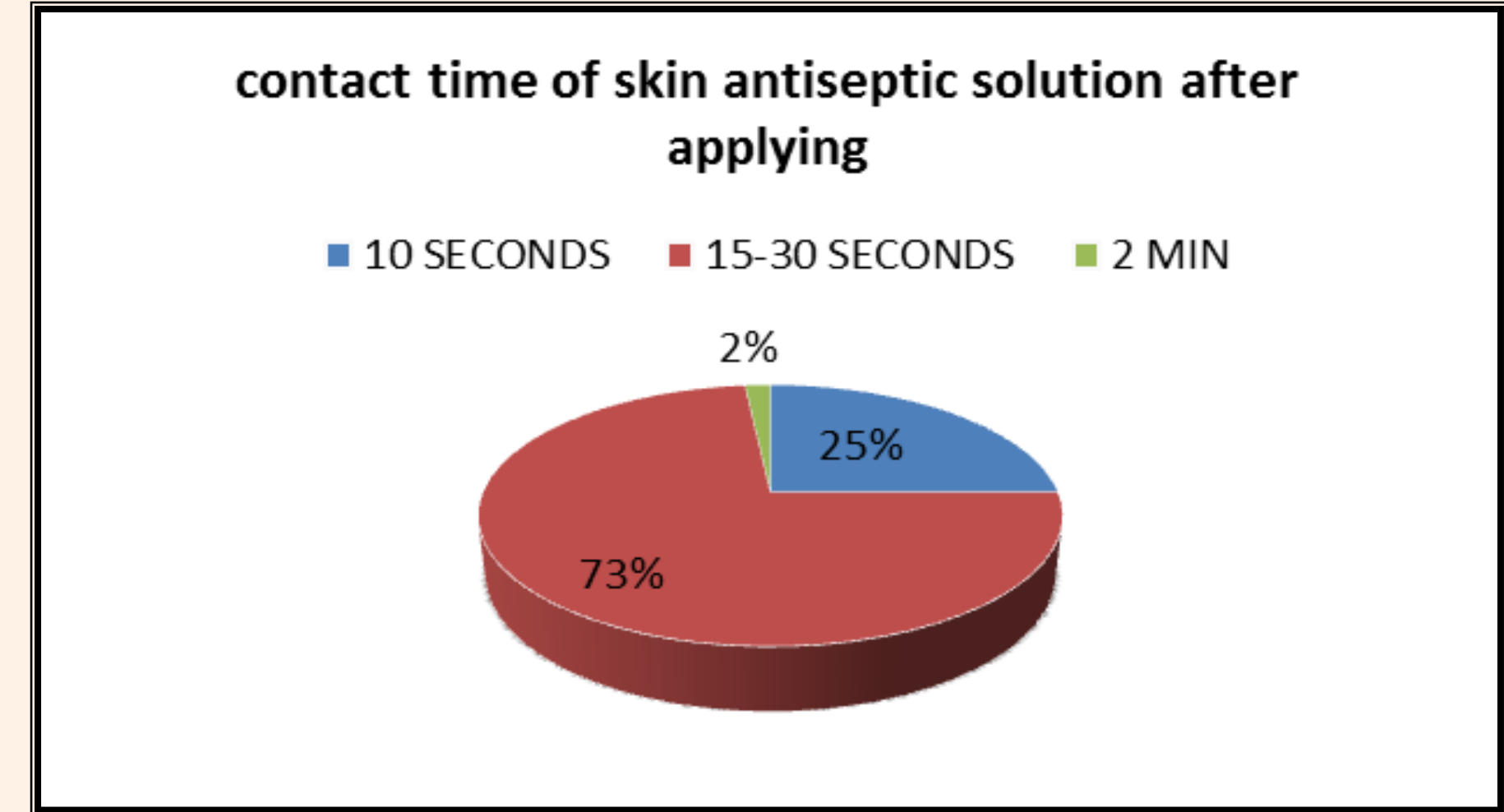
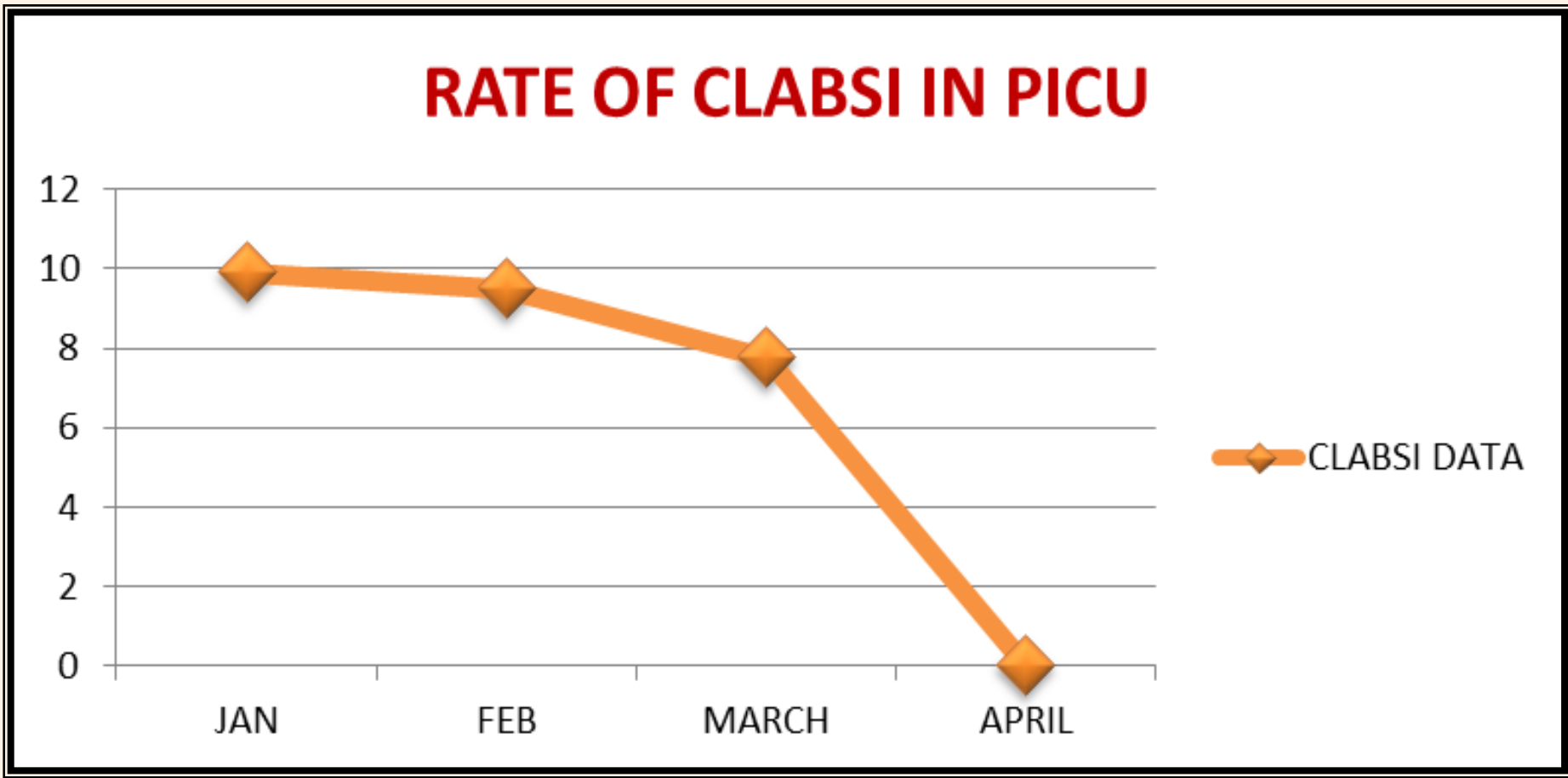
CLABSI is a laboratory-confirmed primary bloodstream infection associated with a central line (a long fine catheter with an opening at each end used to deliver fluids and drugs) indwelling for more than 48 hours . Central line associated bloodstream infections increase hospital costs, lengthen duration of hospitalization and can result in death .

RESEARCH METHODOLOGY

Sample Size: 60 staff nurses of CCU and PICU ,250 Staff nurses and 50 senior managers of ICU's and OT .

Sampling Units: All staff nurse from CCU & PICU for CLABSI knowledge and all other ICU's and OT and other departments and senior managers for hand hygiene knowledge were included in the study.

Research Instrument: Questionnaire designed and manual observations



Hand Hygiene compliance	CCU April 2015	PICU April 2015
Doctors	78%	85%
Nurses	84%	79%
GDAs	57%	70%
Physiotherapy	85%	74%
TOTAL	76%	77%

Hand moments assessment

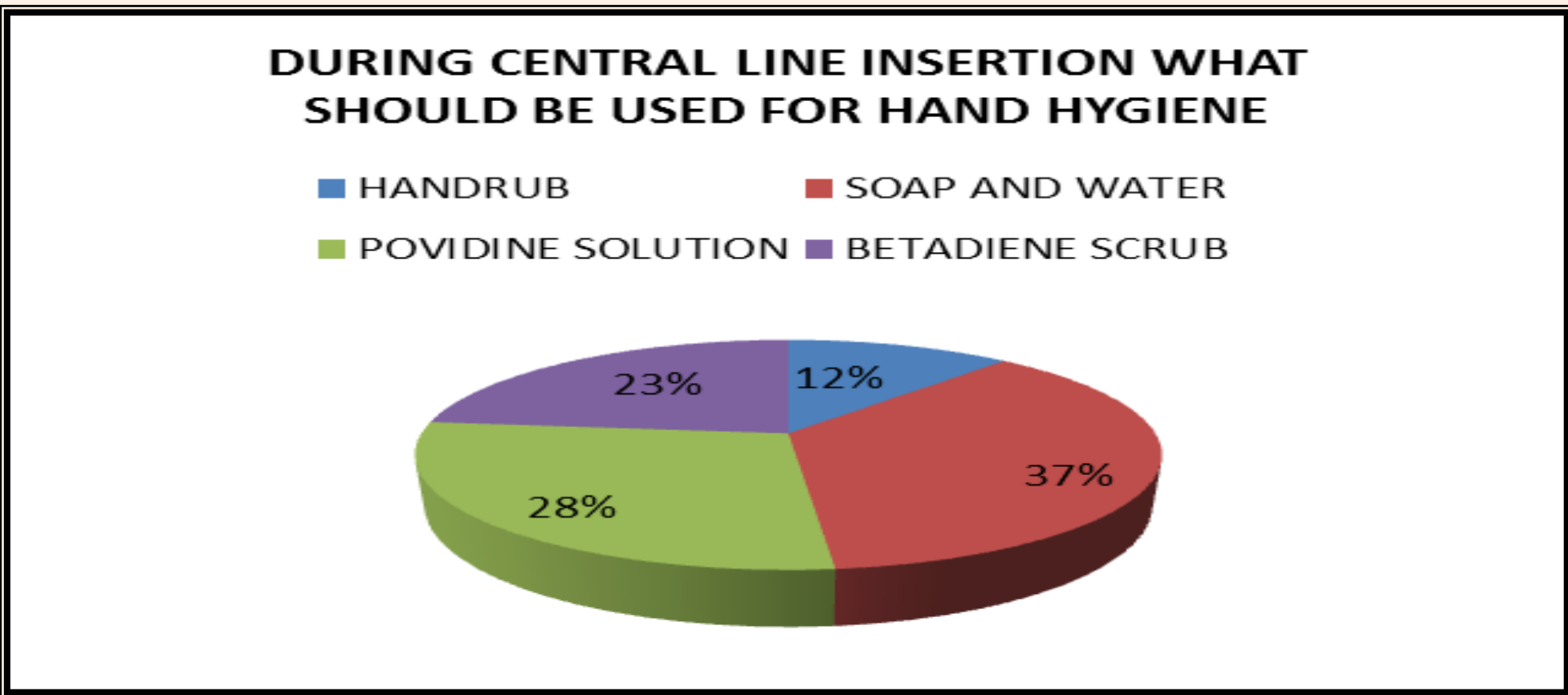
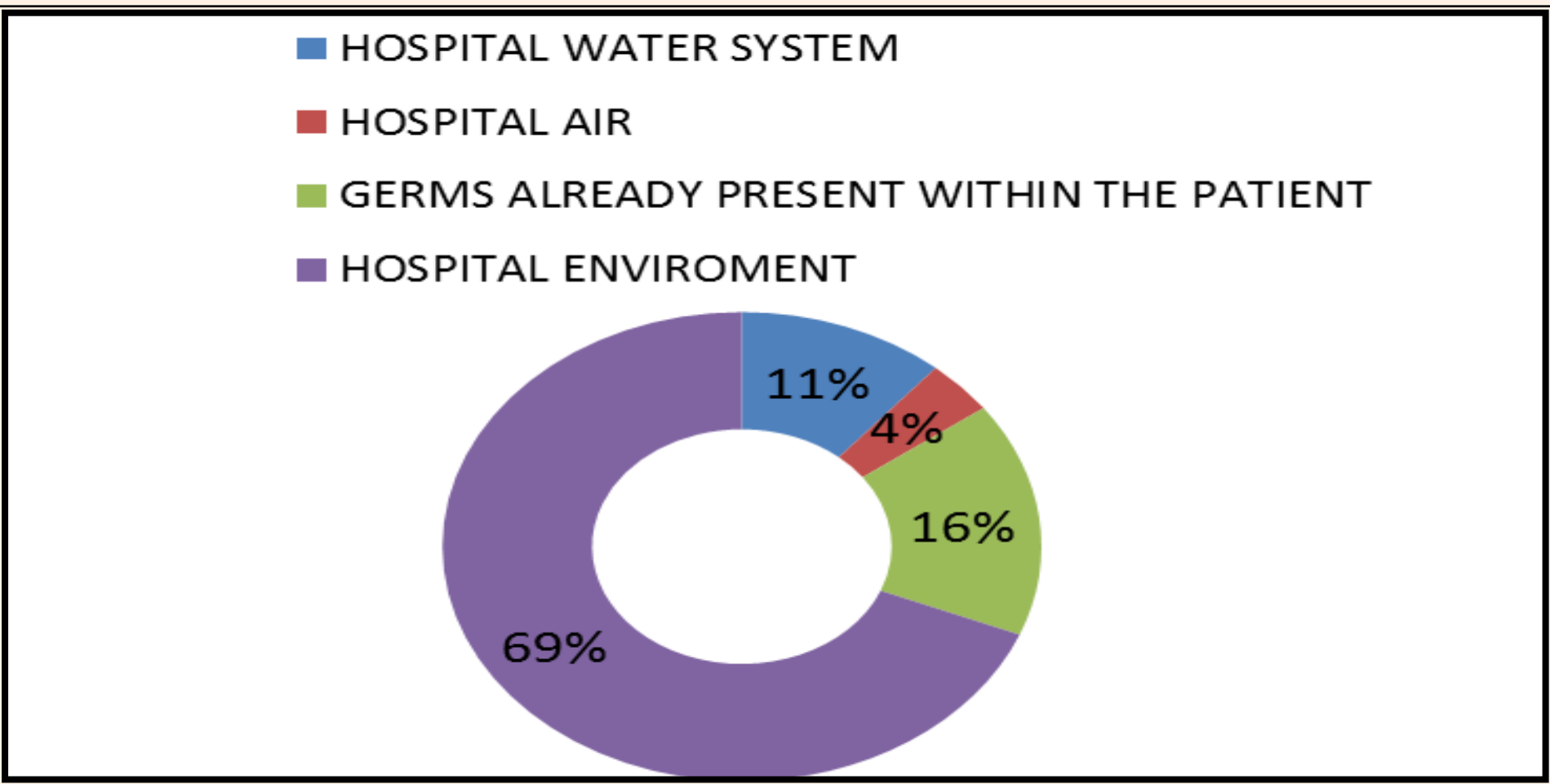
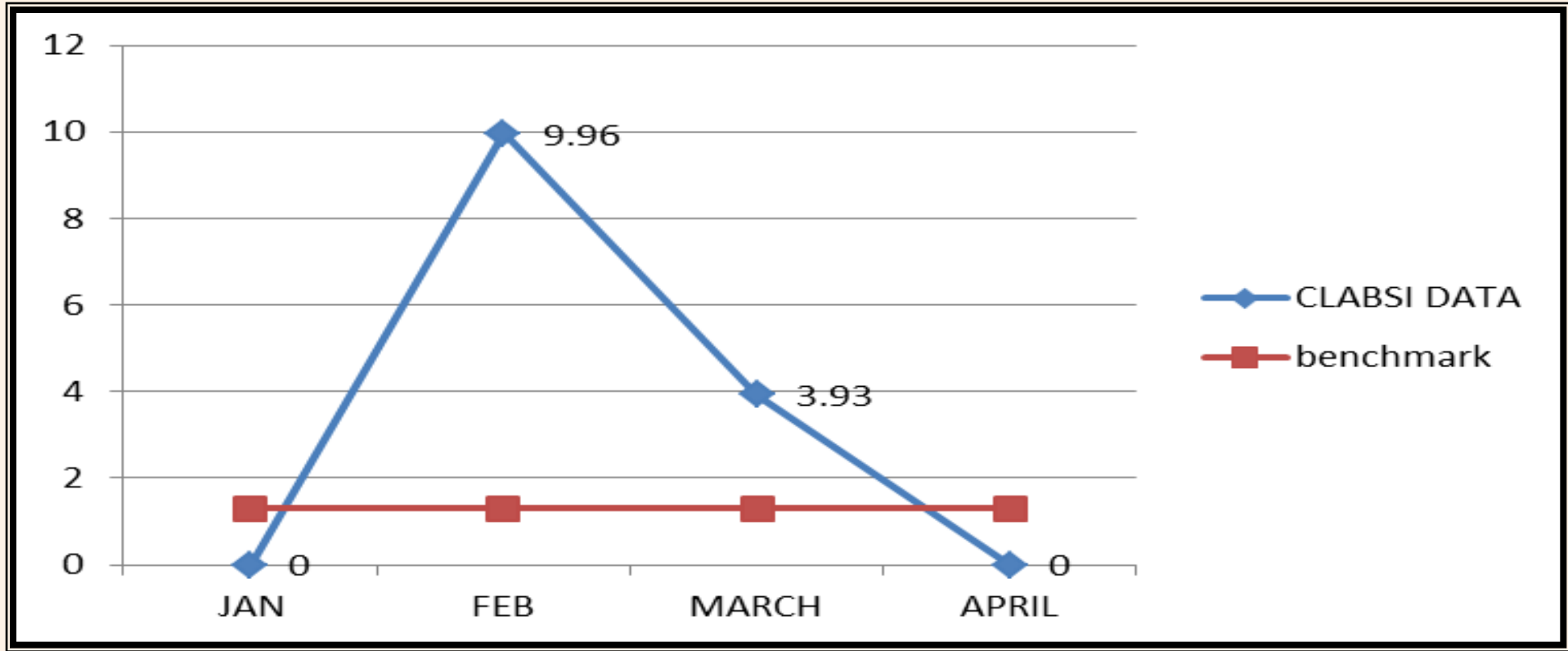
	1 ST MO-MENT	2 ND MO-MENT	3 RD MO-MENT	4 TH MO-MENT	5 TH MO-MENT
Doctors	74%	100%	100%	78%	52%
Nurses	81%	100%	93%	66%	41%
Physiotherapy	80%		100%	81%	57%
GDAs	71%		72%	64%	56%

OBJECTIVES

- To assess actual knowledge of hospital staff and their awareness towards hand hygiene and their methods.
- To assess the practices for infection control measures in CCU (Cardiac care unit) and PICU (Paediatric care unit) .
- To find out the reasons of CLABSI in spite of strict infection control measures.

DATA ANALYSIS

RATE OF CLABSI IN CCU



CONCLUSION

- Overall hand hygiene knowledge to staff – 71%
- Overall CLABSI knowledge - 78%
- Moments not followed properly, 5th moment is very less practised in CCU by all health care workers.
- While central line insertion nurses and assistants neither wear gloves and cap nor did they do hand hygiene before procedure.
- The trolley was not cleaned prior to dressing change.
- Compliance for 5th moment is very less by nurses and physiotherapist.
- Health care workers don't use hand rub before touching the central line.
- It was observed that the hubs were not scrubbed all the time.
- Presence of blood in lines is seen. Flushing is not done properly.