

Quality Improvement Project

Implementation Of Infection Control Protocols Among Healthcare Workers During Covid-19

INTRODUCTION

Covid-19 is a highly contagious disease, hospital-related transmission of the virus is still a very large threat to health-care workers are the frontlines of care & thus are more susceptible to infection.

HISTORY

METAS Adventist Hospital was the first COVID-19 dedicated hospital in the city with 200 Covid beds. Nearly 25000 people were treated during First & Second wave. Most of the staffs work involves direct contact with patients.

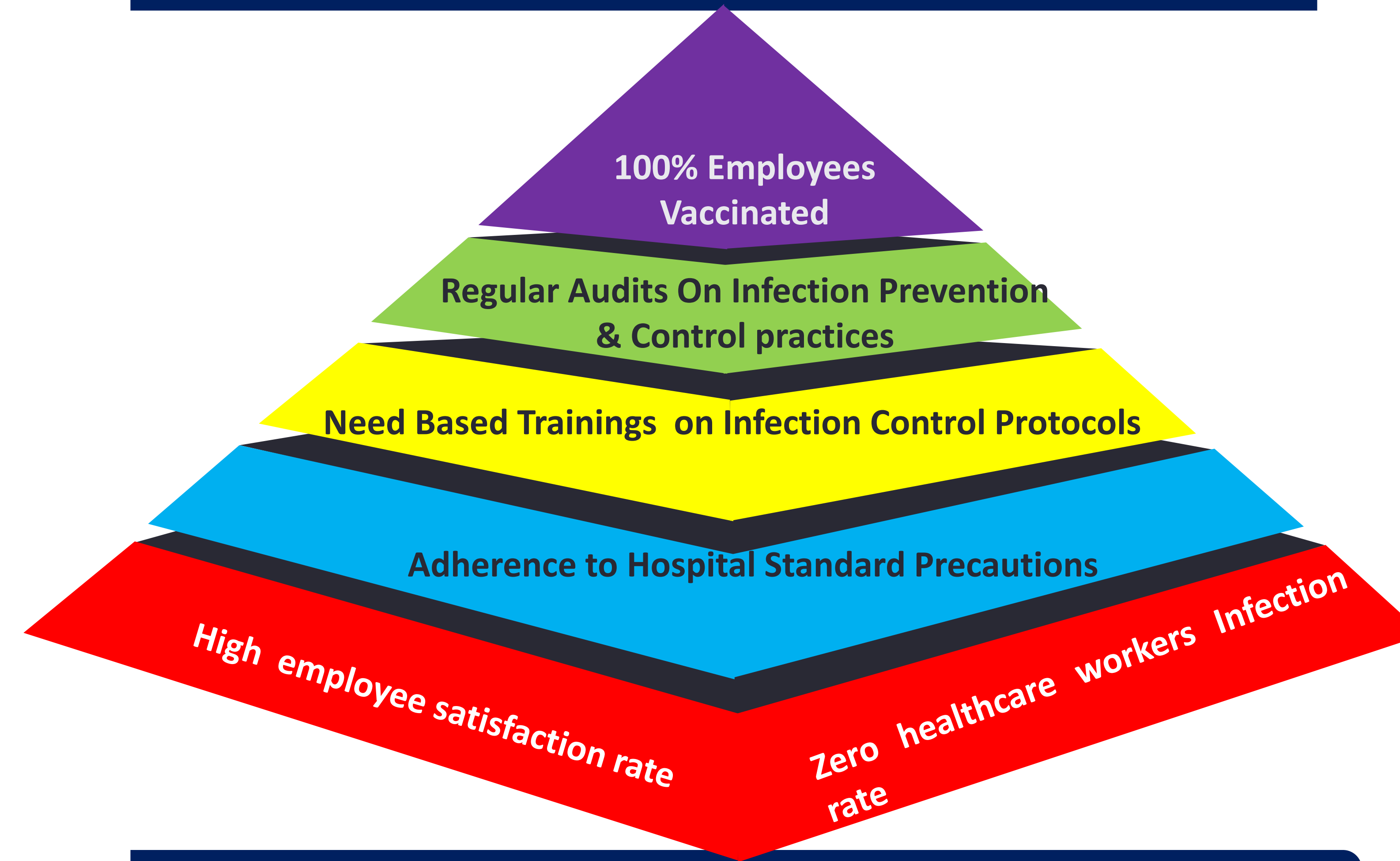
PROBLEMS FACED

- No space to set up Donning & Doffing Room
- Due to long working hours, staffs were reluctant to wear PPEs
- Poor quality PPE kits
- Poor hand hygiene due to high workload
- Employee's contracted covid-19 disease

AIM

- To Maintain "Zero Healthcare worker Infection "Rate
- To enhance the safety of Staff , Patient & Visitors
- To provide continuous training on infection control protocols
- To identify space and set up donning & doffing room to prevent transmission
- To promote medical evangelism by visiting and counseling patients and employees.

CURRENT STATE



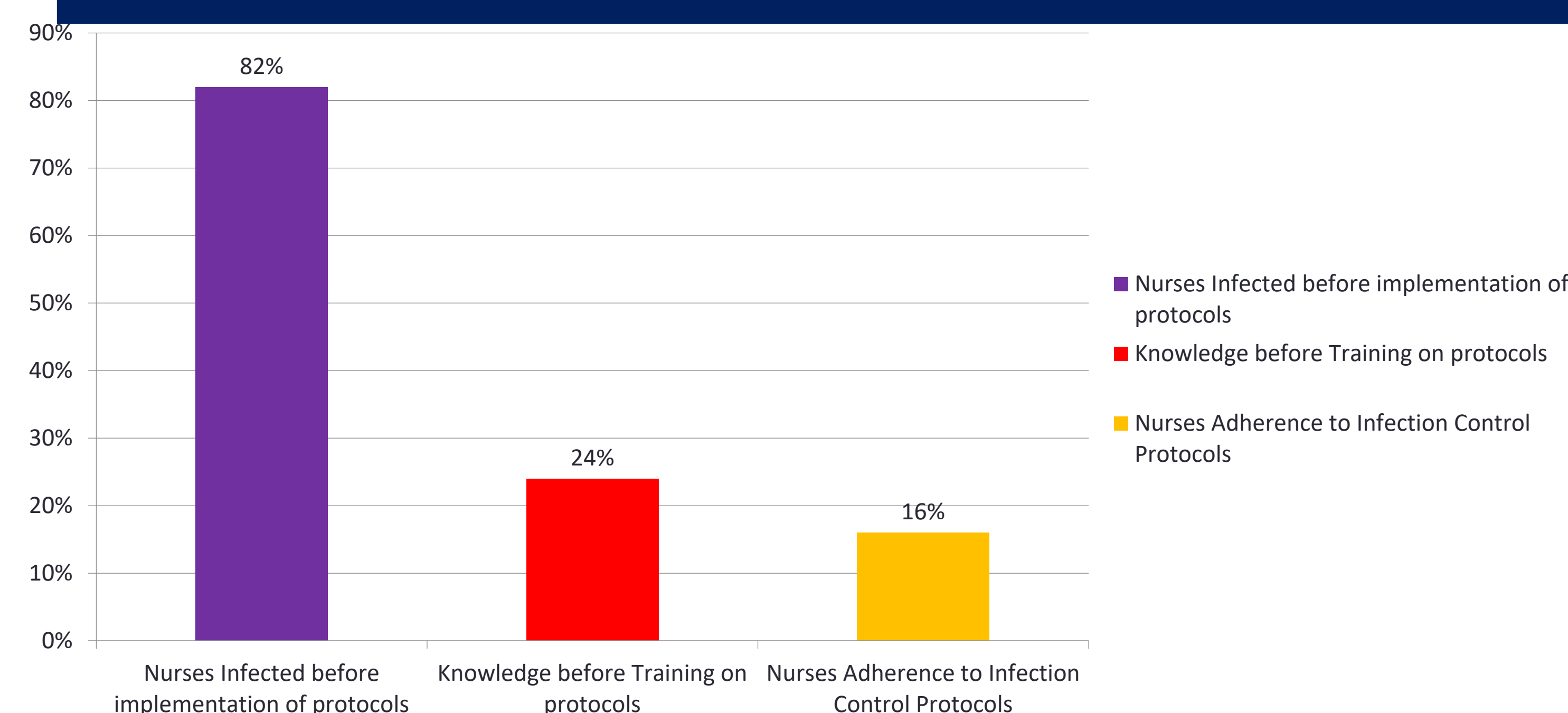
HIGHLIGHTS/ACTIVITIES

METAS Adventist Hospital implemented following key measures to maintain "Zero Healthcare worker Infection "Rate

- Followed CDC , WHO Guidelines and protocols
- Provided Online education & trainings on Covid Infection prevention protocols to our staff & other hospitals too.
- Conducted regular internal audits to prevent infection
- Daily monitoring of Staff health status
- Prepared SOPs as per WHO Guidelines & shared across the country
- Extra remuneration given to employees as motivation

Paid leaves

GRAPHICAL PRESENTATION BEFORE PROTOCOLS



STATISTICAL SUMMARY OF NURSES INFECTION BEFORE PROTOCOLS

HCWs Infected before implementation of protocols	Knowledge before Training on protocols	HCWS Adherence to Infection Control Protocols
82%	24%	16%

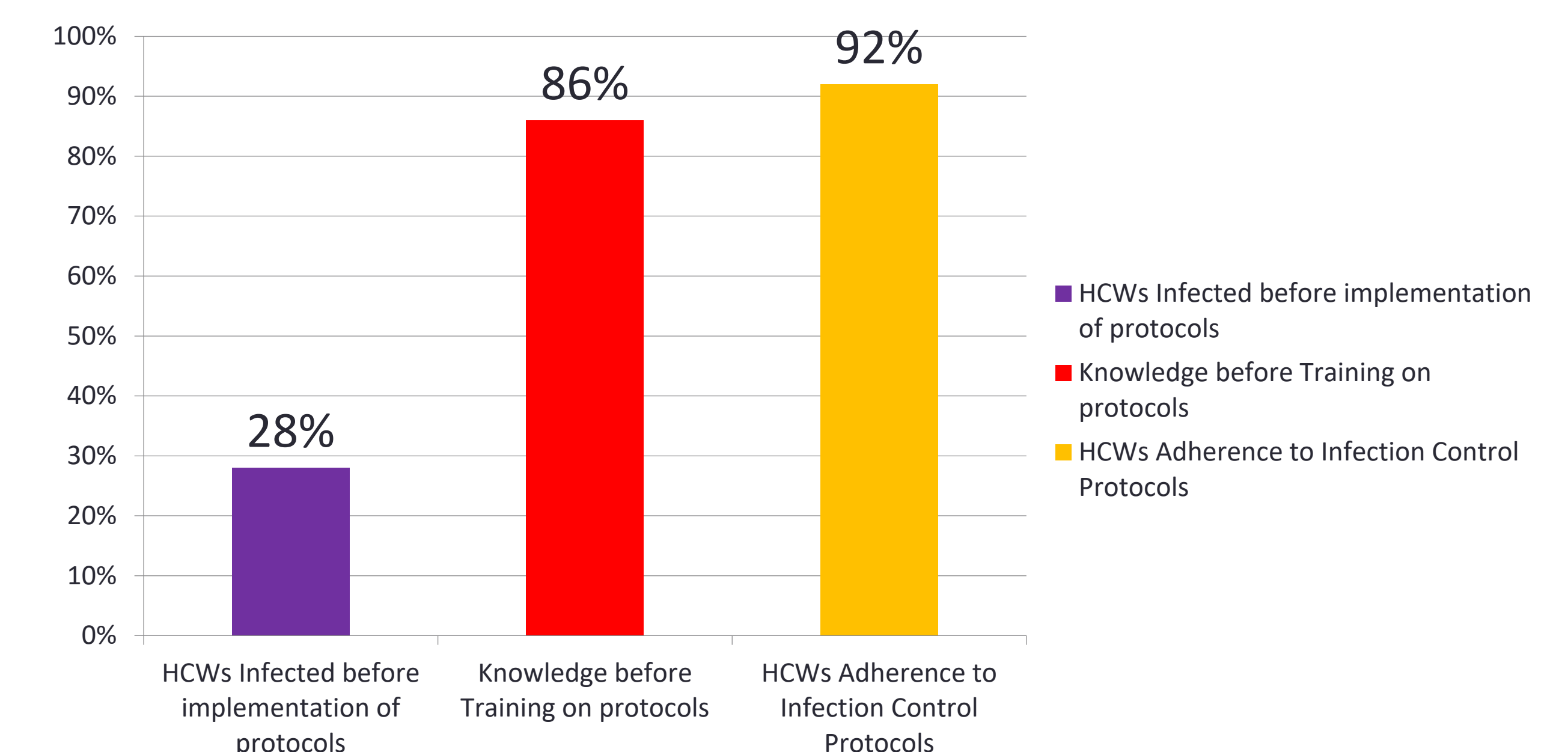
STATISTICAL SUMMARY OF NURSES INFECTION AFTER PROTOCOLS

HCWs Infected before implementation of protocols	Knowledge after Training on protocols	HCWs Adherence to Infection Control Protocols
28%	86%	92%

RESULTS

The rate of infection among the nurses was high in the initial pandemic period. Whereas, after training the healthcare workers on the infection protocols and monitoring at frequent intervals resulted in decreased infection rate at the end of QIP and knowledge of healthcare workers related to infection control protocols also increased.

GRAPHICAL PRESENTATION AFTER PROTOCOLS



FUTURE GOALS

METAS Adventist Hospital is ready to embrace the third wave, with minimal infection rate among the healthcare workers