

A study on the profile of health care workers who developed Covid 19 breakthrough infections in a tertiary care centre in Central Kerala

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INTRODUCTION :One of the greatest step against Covid 19 pandemic was the introduction of vaccine.Despite having good vaccine coverage, our HCWs continue to get breakthrough infections.So this study was to know the characteristics of Covid 19 in vaccinated HCWs.

OBJECTIVE : To study the profile of health care workers who developed Covid 19 breakthrough infections in a tertiary care centre in Central Kerala.

METHODOLOGY

Study design :Descriptive study

Study population:HCWs who developed vaccine break through infection

Study setting:Kottayam district

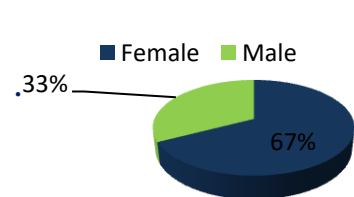
Study period:August 2021 to October 2021

All the HCWs who developed break through infections in the time period were contacted over phone and data entered in excel and analysed using SPSS

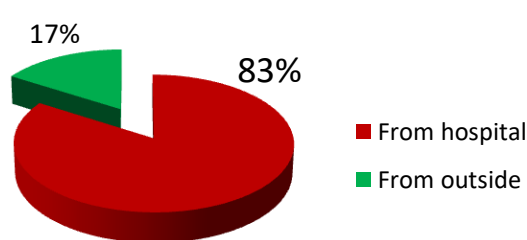
RESULTS

The mean age of the population was 28 years

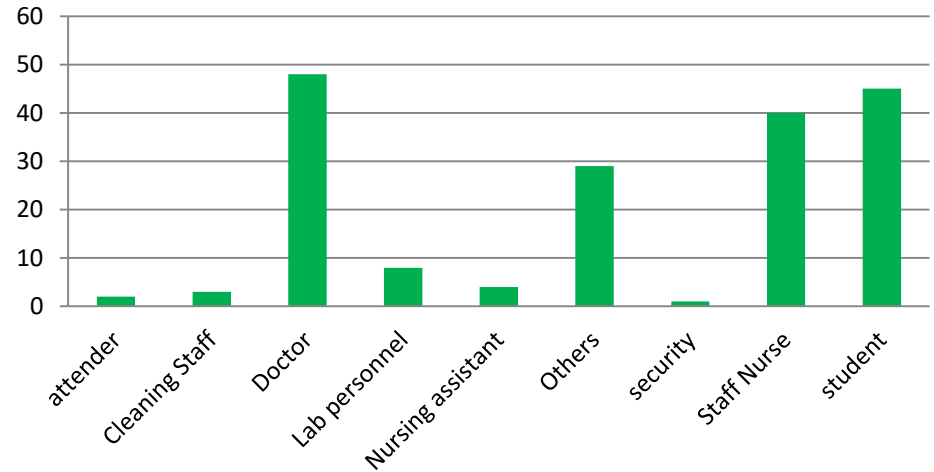
Gender distribution



Source of infection



Type of HCW



63 % of the HCWs got infection during non covid duty.95% of the HCWs who developed Covid were vaccinated with two doses of vaccine in the initial phase with one month interval.Most of them had mild symptoms ,but persisting breathlessness were reported among a few HCW.

CONCLUSION

The study highlighted the need for emphasizing infection control practices among staffs even after 2 doses of vaccination.The need for a third dose of vaccine ,especially among health care workers is to be stressed.