

Study about Awareness, Perception and Practice about Covid -19 among Healthcare Professionals of Chaitanya Hospital

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Introduction

- Today the world is dealing with disease COVID-19 which has now turned to pandemic and has been spread almost into most of the Countries in the world. “COVID-19 is an infectious disease caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2).
- The COVID-19 virus spreads primarily through discharge from the nose/ saliva when an infected person coughs or sneezes. COVID-19 affects different people in different ways. Most infected people will develop mild to moderate illness and recover without hospitalization. Majorly seen symptoms of COVID-19”:
 - Fever
 - Dry cough
 - Shortness of breath
 - Tiredness
- It has an incubation period of 2-14 days.
- Sample of Covid-19 is collected from Oropharynx and Nasopharynx.

Objective

- To Study about Awareness, Perception and Practice about Covid -19 among Healthcare professionals of Chaitanya Hospital.

Rationale

- Our Healthcare professionals are frontline workers who are majorly dealing with this pandemic as they are involved in treating or interacting with patients.
- It is very important that HCP's must be aware about source, transmission and causes of the disease also it is very necessary to know about the several perceptions among Healthcare professionals which may be correct or incorrect.
- It is also important to know about the practises which they perform are according to government norms and regulations. So, this study is conducted to analyse and study on various parameters such as Awareness, Perception and regarding Covid-19.

Methodology

Study type – Cross sectional and Descriptive

Data collection

- Primary
- Secondary

Data Collection Methods

- Primary data was collected through questionnaire based survey.
- Secondary information was collected from government sources, reports and journals.

Sample size – 62 Healthcare Professionals

Statistical Analysis software: MS -Excel

Study duration : 3 months

Data Analysis

- Data was collected from Healthcare professionals of gynaecology and obstetrics speciality Hospital named Chaitanya Hospital.
- Total of 62 Healthcare Professionals from Chaitanya Hospital responded to the survey. Questionnaire was divided into three sections
 - Section I – Awareness Regarding Covid -19
 - Section II – Perception Regarding Covid-19
 - Section III– Practice towards Covid-19.
- Analysis was done on the basis of Age, Sex and Profession of Section I and II and collective analysis of Section III.

Demographic Distribution of the Responses of Study Participants

N= 62	
Age	Percentage
Below 30	35%
30-40	55%
40-50	10%
Sex	
Male	23%
Female	77%
Profession	
Nurses	55%
Doctors	19%
Lab technician	15%
Management staff	11%

Analysis of Section I (Awareness Regarding Covid 19)

All these graphs below show the percentage of correct responses distributed according to Age, Sex and Profession of questions asked about awareness regarding Covid -19 respectively.

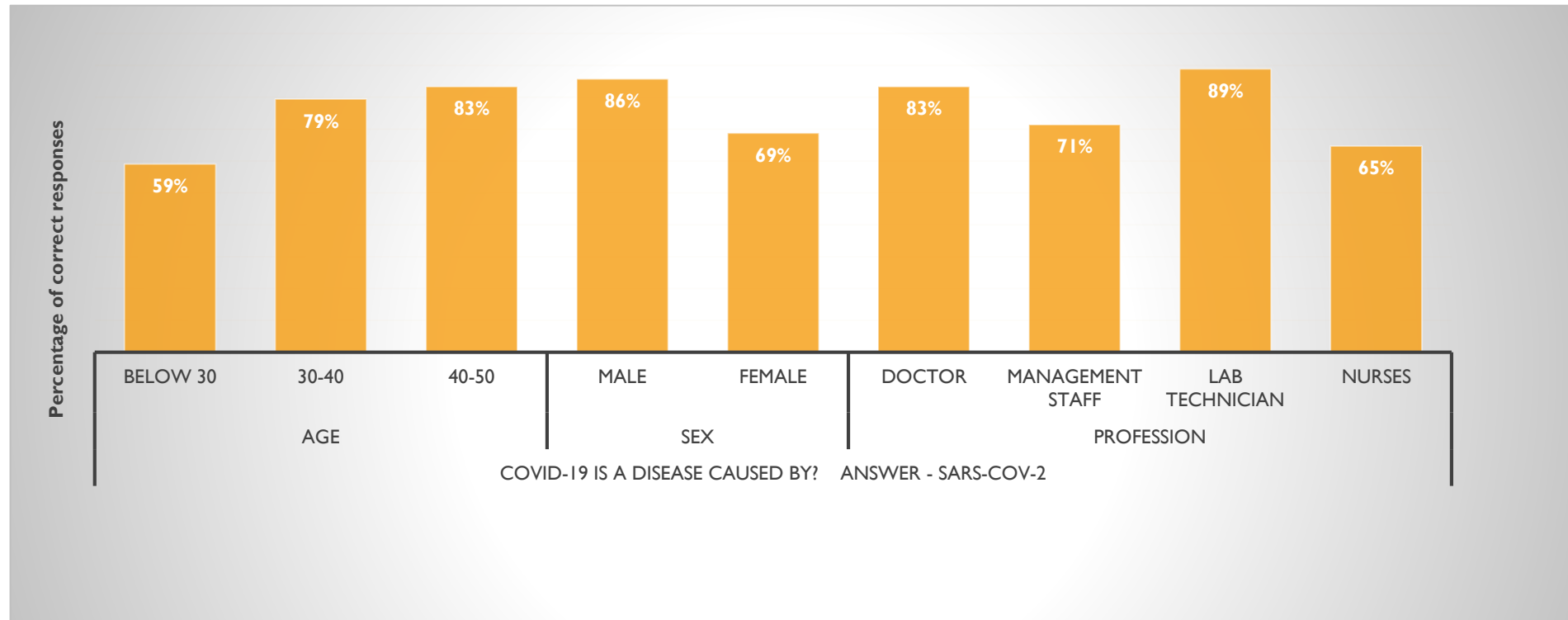


Figure 1 – This graph shows the distribution of correct responses of the study participants in which more than 75% of participants age between 30-40 and 40-50 were aware about cause of Covid-19. Majority of doctors and lab technicians were aware about the same.

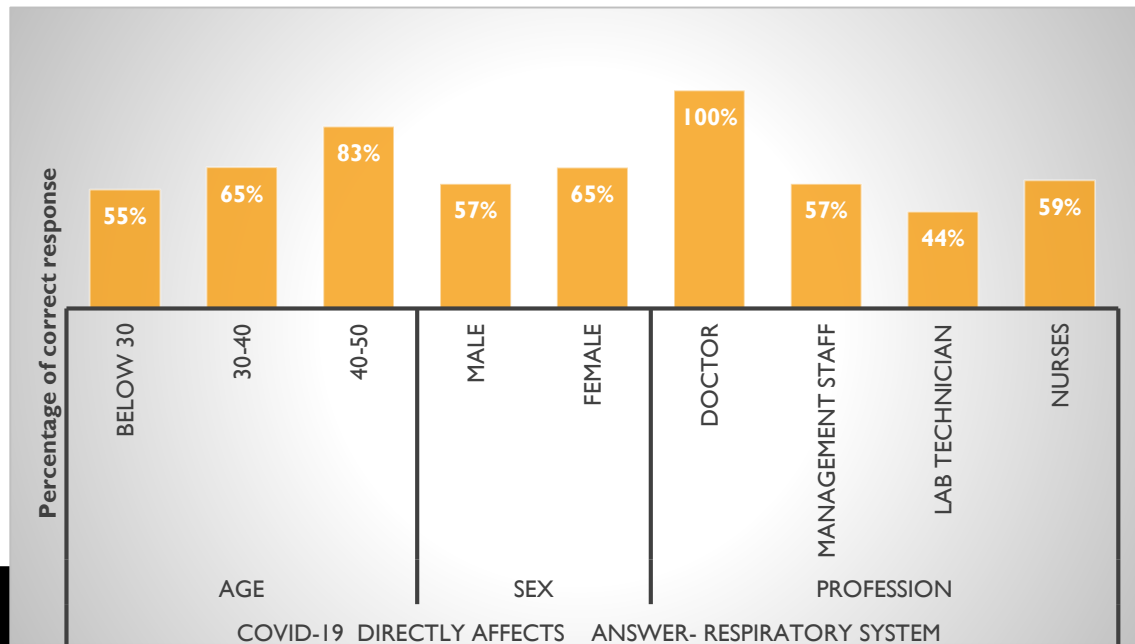


Figure 2- This graph shows the distribution of correct responses of the study participants in which more than 80% of participants age between 40-50 were aware about that the disease directly affects Respiratory system. All the doctors participated were aware about this and more than 55% of the nurses and management staff was aware about the same.

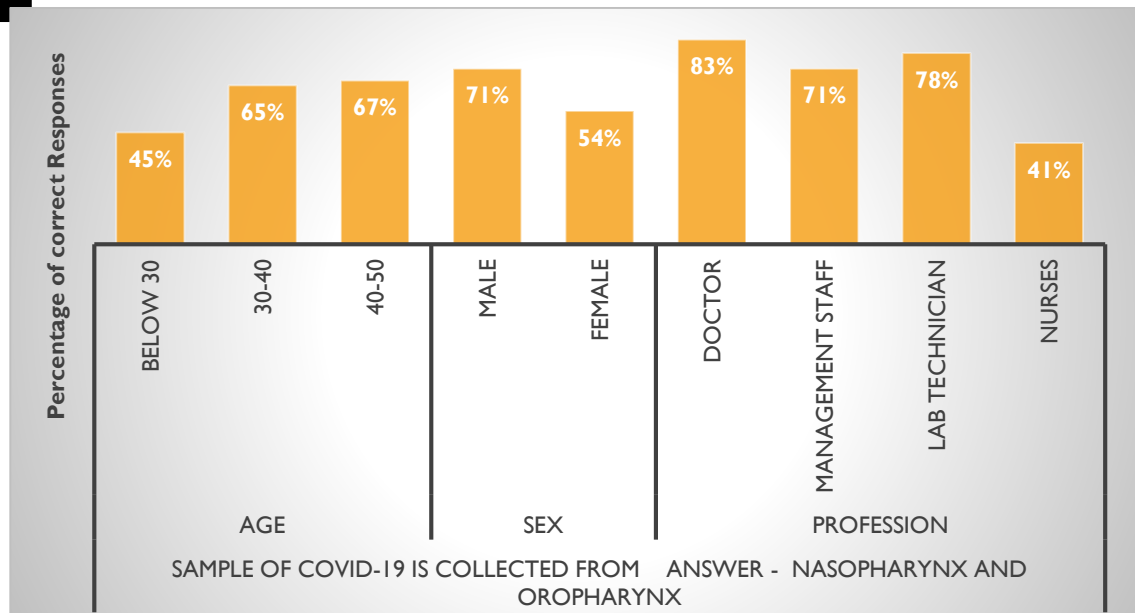


Figure 3- This graph shows the distribution of correct responses of the study participants in which more than 60% of participants age between 30-40 and 40-50 were aware about that the sample of Covid -19 is collected from both Nasopharynx and Oropharynx. More than 80% of the doctors and more than 75% of Lab technician were aware about the same.

Percentage of Correct Responses

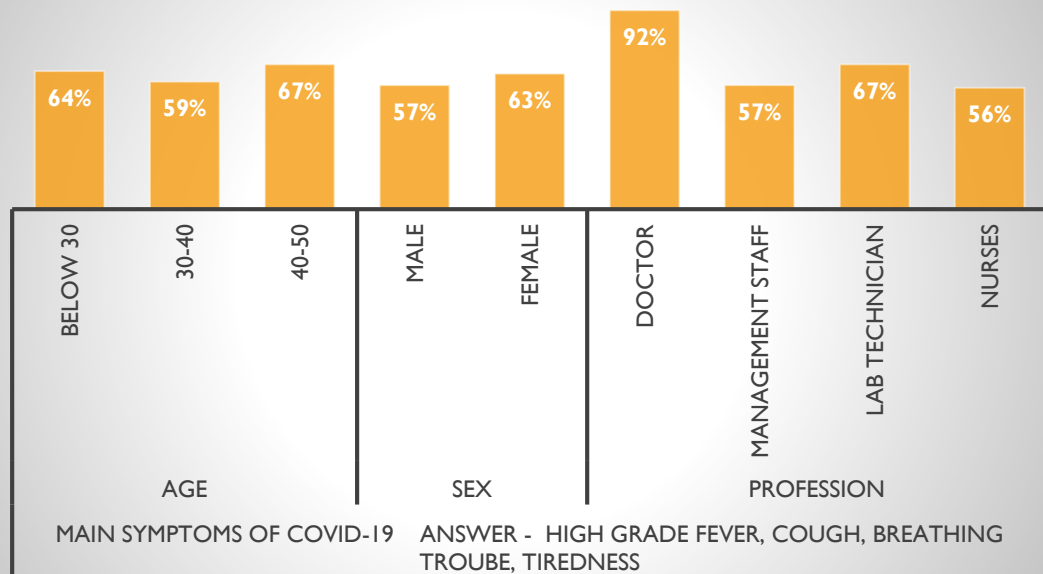


Figure 4- This graph shows the distribution of correct responses of the study participants in which more than 65% of participants age between 40-50 were aware about main symptoms of Covid-19. More than 90% of the doctors were aware about the same.

Percentage of Correct responses

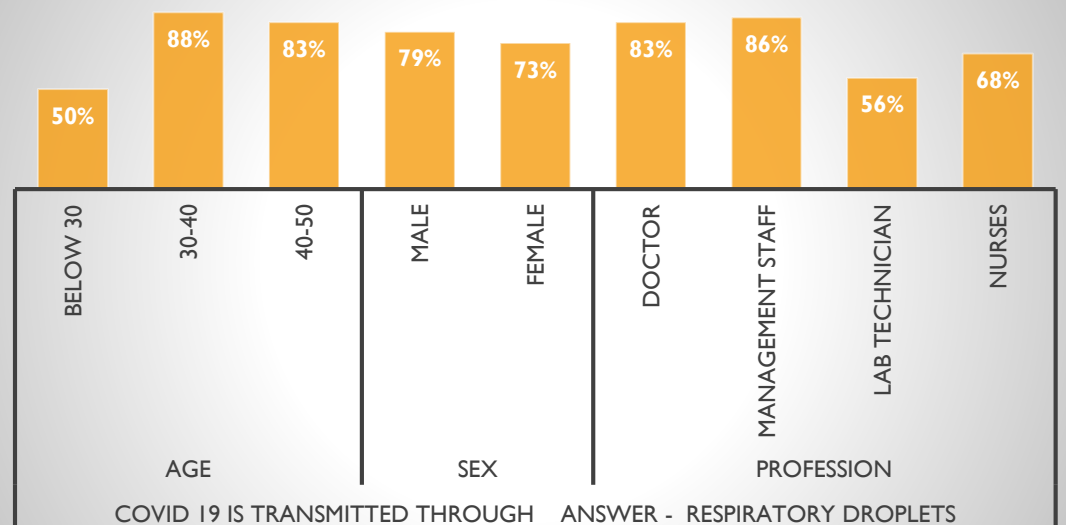


Figure 5- This graph shows the distribution of correct responses of the study participants in which more than 85% of participants age between 30-40 were aware about transmission mode of Covid-19. More than 80% of the doctors and management staff were aware about the same.

Analysis of Section II (Perception Regarding Covid 19)

All these graphs shown below are various questions asked to know the Perception of Healthcare Professionals about Covid-19. Analysis is done on the basis of profession, sex and age.

Analysis On the basis of Profession (Figure 6 -9)

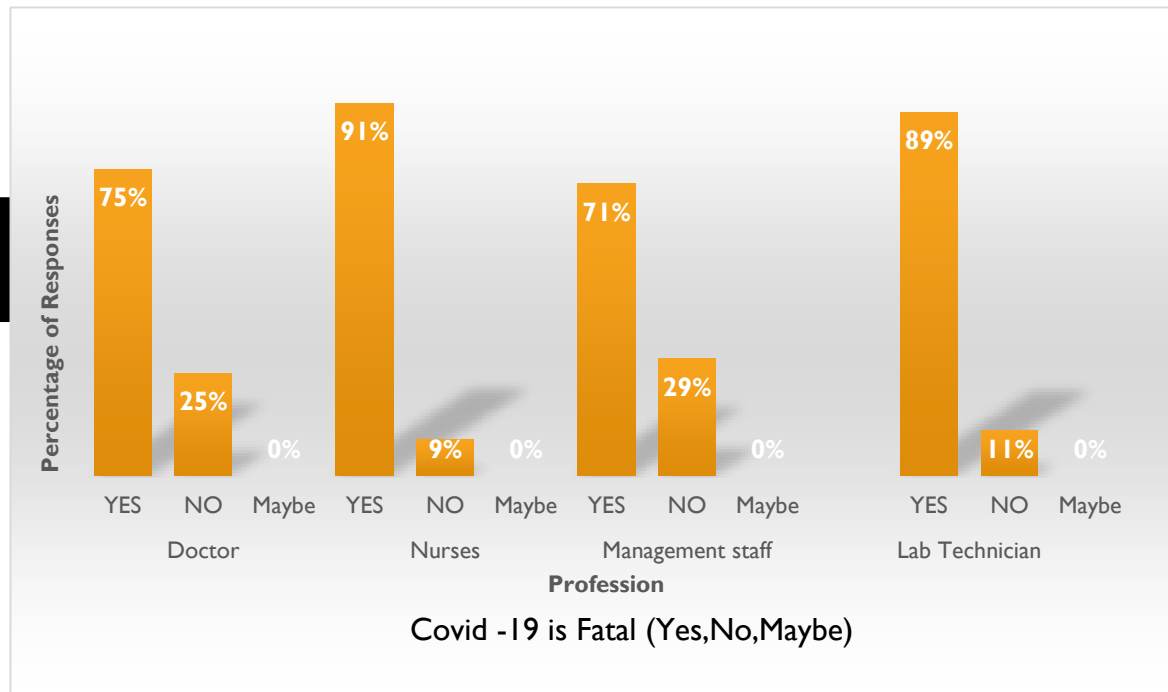


Figure 6 - Distribution of responses according to profession which includes opinion about fatality of covid-19.

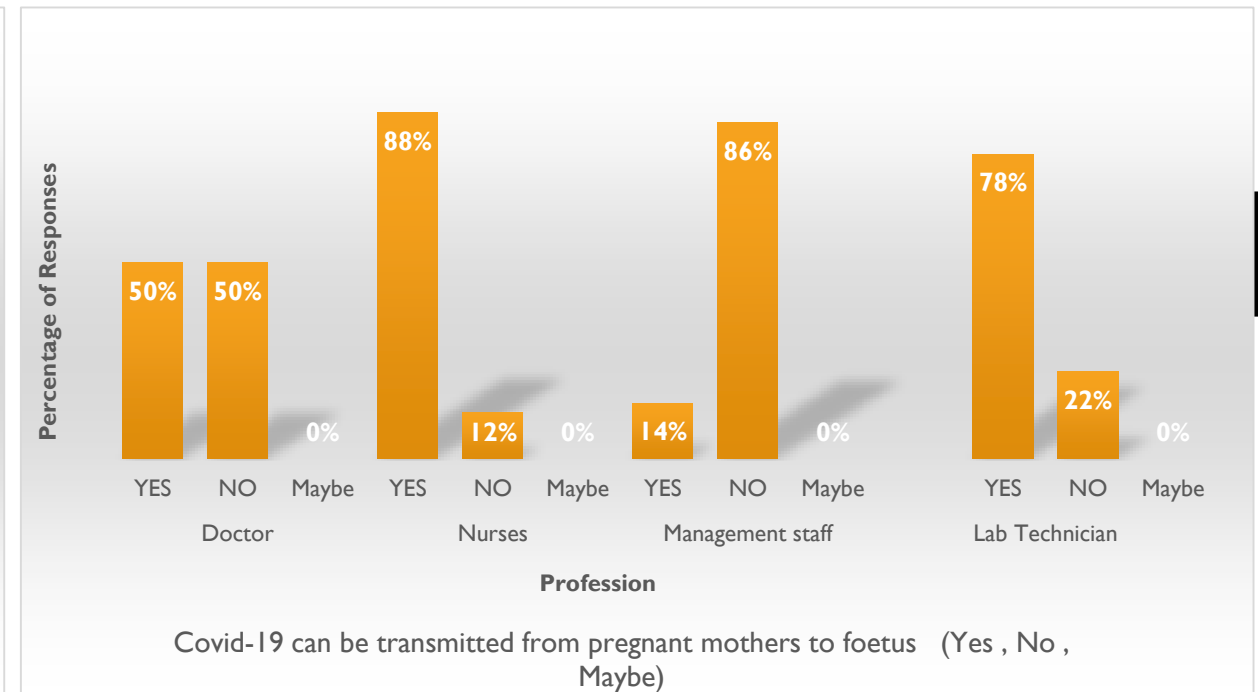


Figure 7- Distribution of responses according to profession which includes opinion about transmission of Covid -19 from pregnant mothers to foetus.

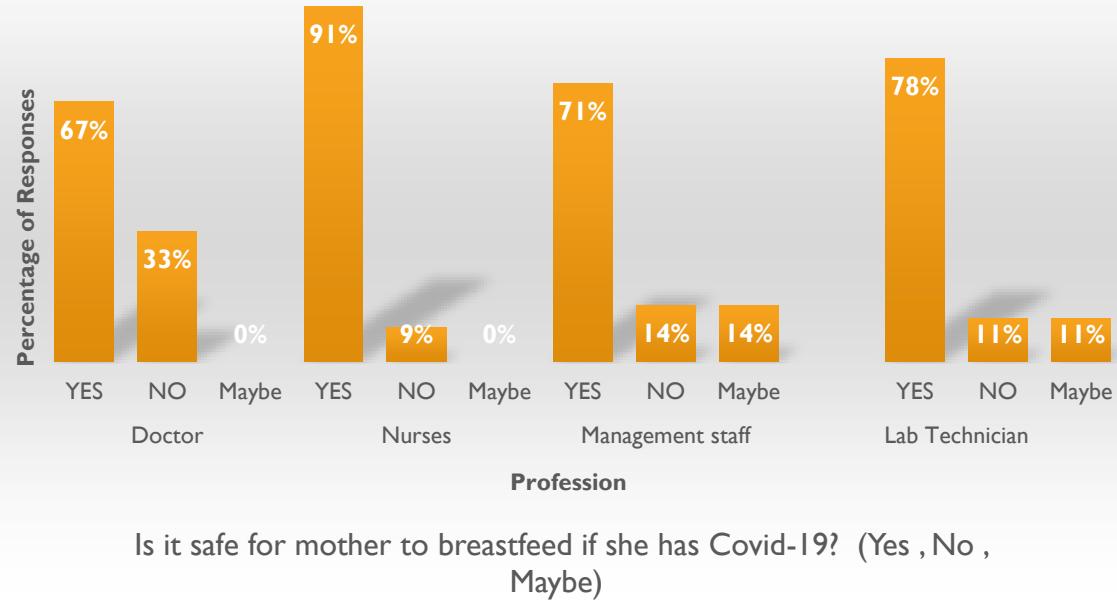


Figure 8- Distribution of responses according to profession which includes opinion Is it safe to breastfeed if mother has Covid-19.

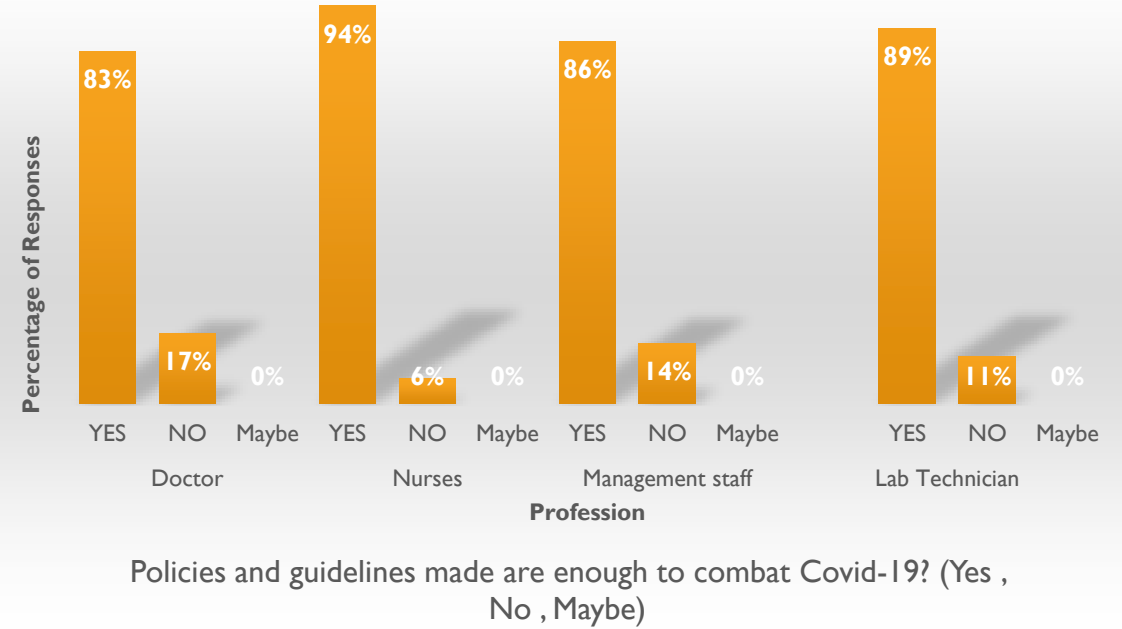


Figure 9 -Distribution of responses according to profession which includes opinion about policies and guidelines made are enough to combat Covid-19

Analysis On the basis of Age and Sex (Figure 10-13)

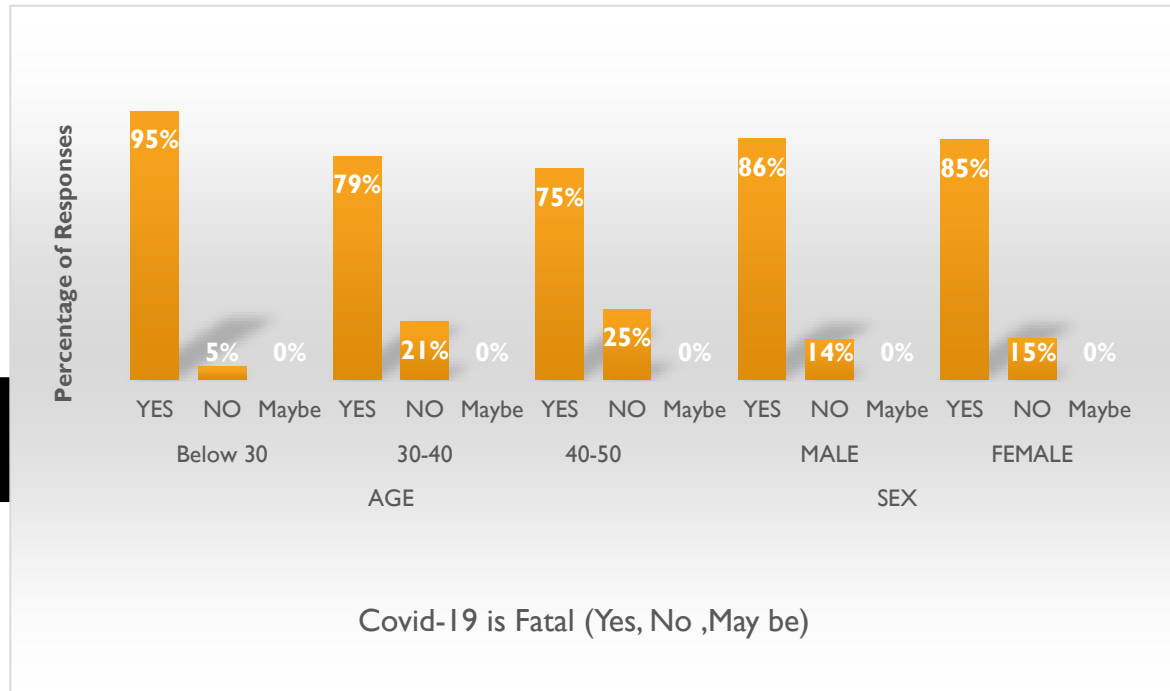


Figure 10- Distribution of responses according to age and sex which includes opinion about fatality of covid-19

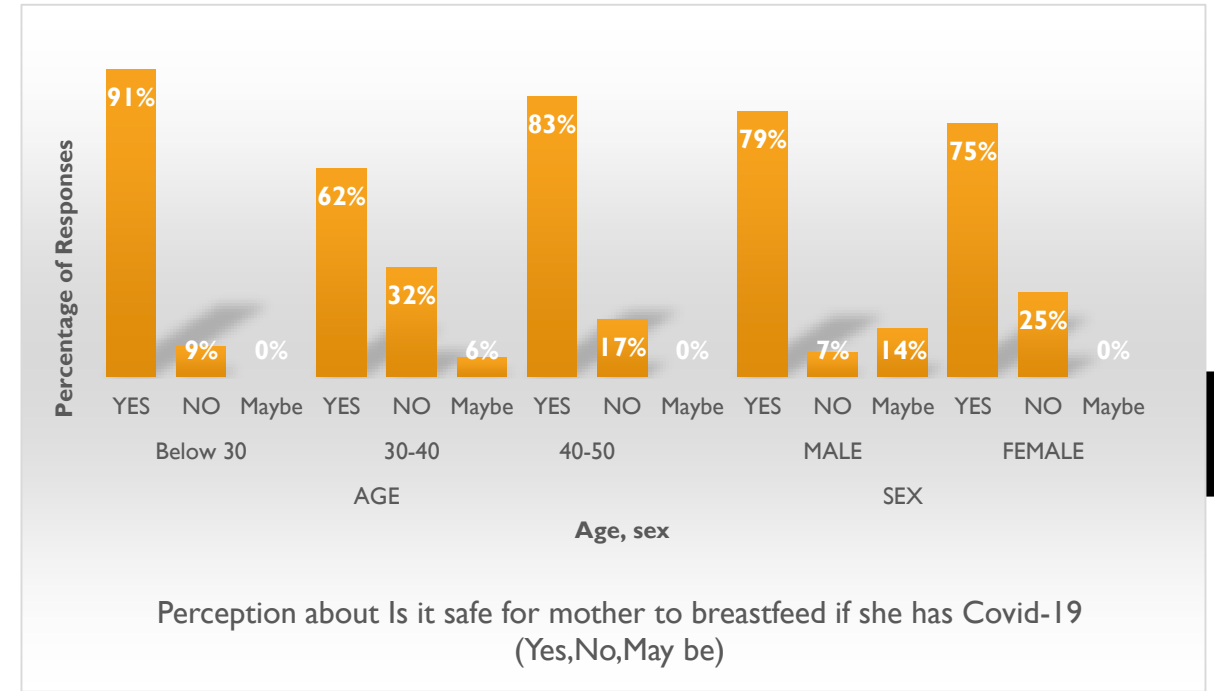
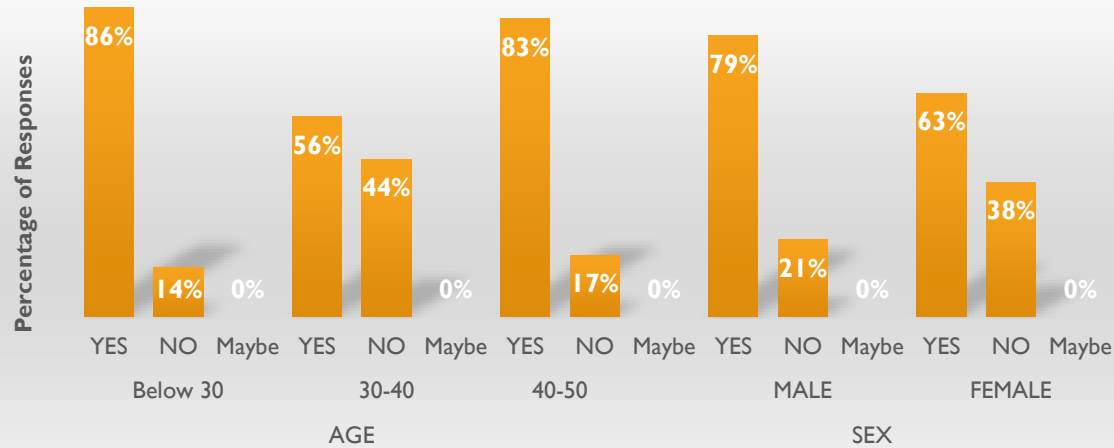
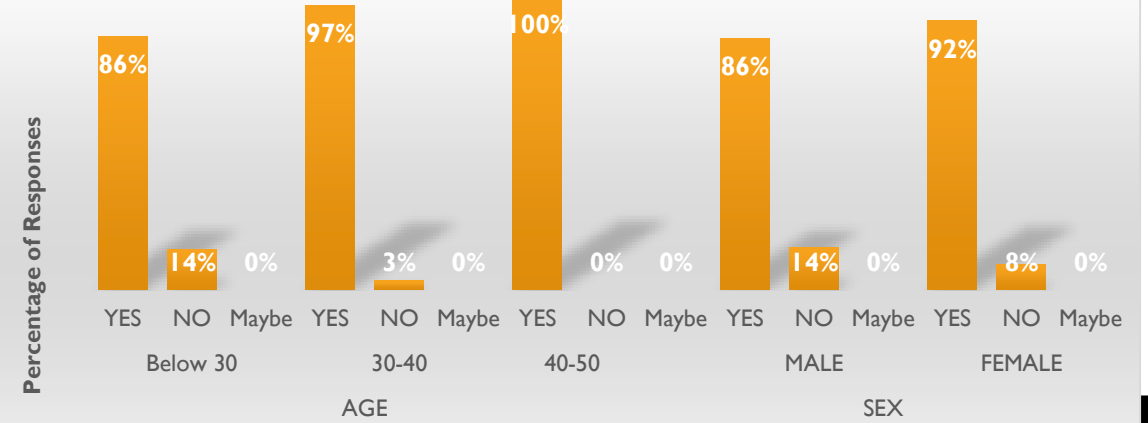


Figure 11- Distribution of responses according to profession which includes opinion Is it safe to breastfeed if mother has Covid-19.



Covid-19 can be transmitted from pregnant mothers to foetus
(Yes,No,May be)

Figure 12- Distribution of responses according to age and sex which includes opinion about transmission of Covid -19 from pregnant mothers to foetus.



Policies and guidelines made are enough to combat Covid-19
(Yes,No,May be)

Figure 13- Distribution of responses according to age and sex which includes opinion about policies and guidelines made are enough to combat Covid-19

Section III (Practice Regarding Covid 19)

All these charts below shown are the analysis of the questions asked regarding Practice during Covid -19 and about the counselling facility for the patients.

Analysis of Practice regarding Covid-19(Figure 14-17)

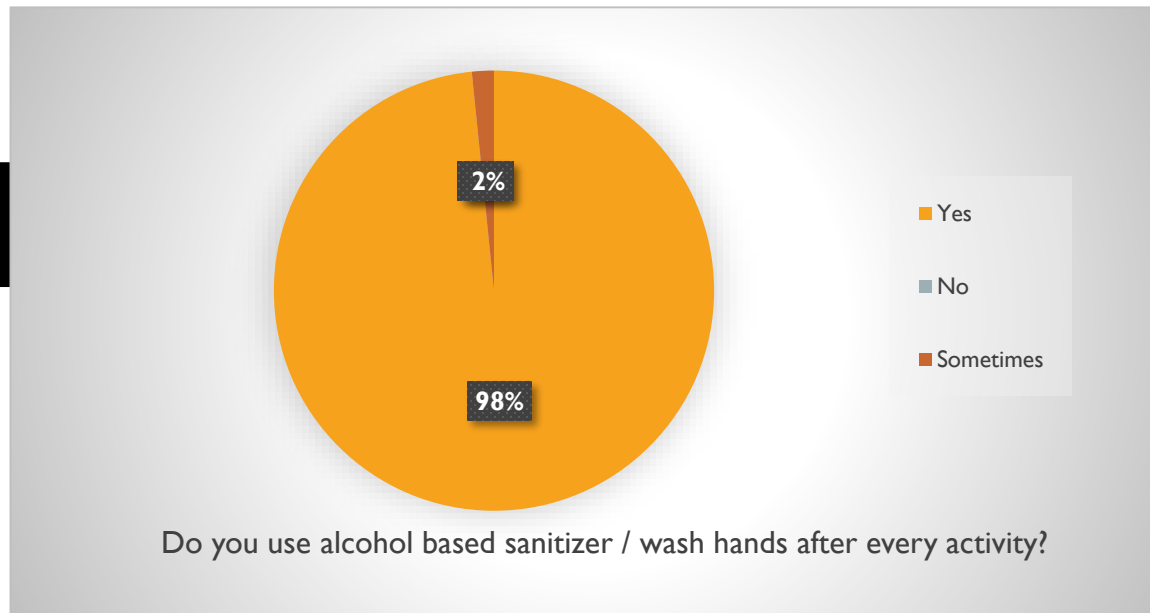


Figure 14- Distribution of responses regarding using alcohol-based sanitizer / wash hands after every activity. More than 95% of participants use alcohol-based sanitizer after every activity.

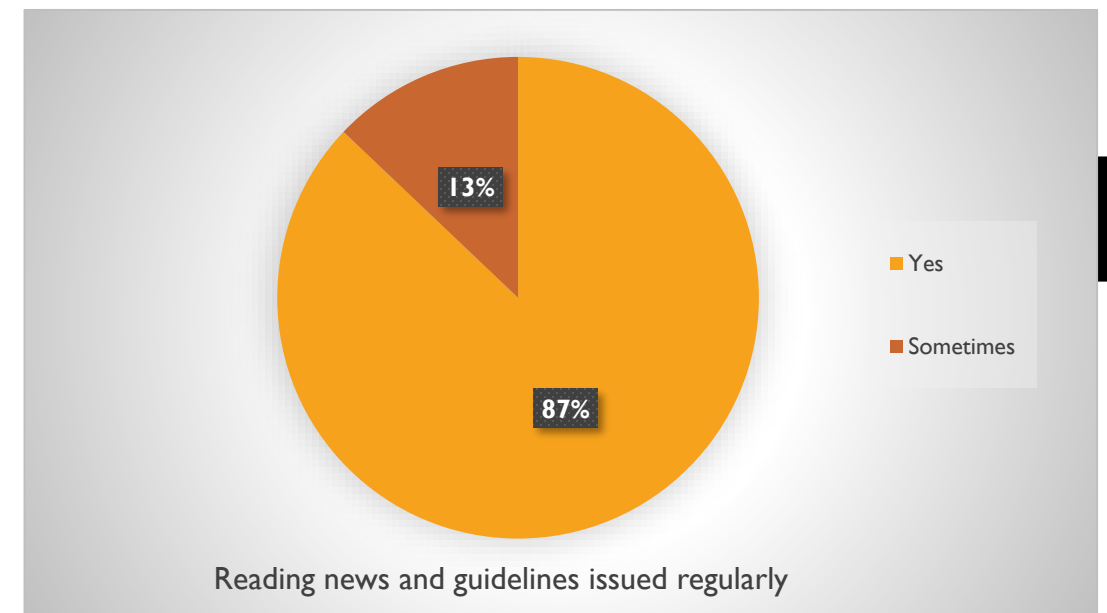


Figure 15 - Distribution of responses regarding reading news and guidelines issued regarding Covid-19 regularly. More than 85% of the participants read news and guidelines issued regularly.

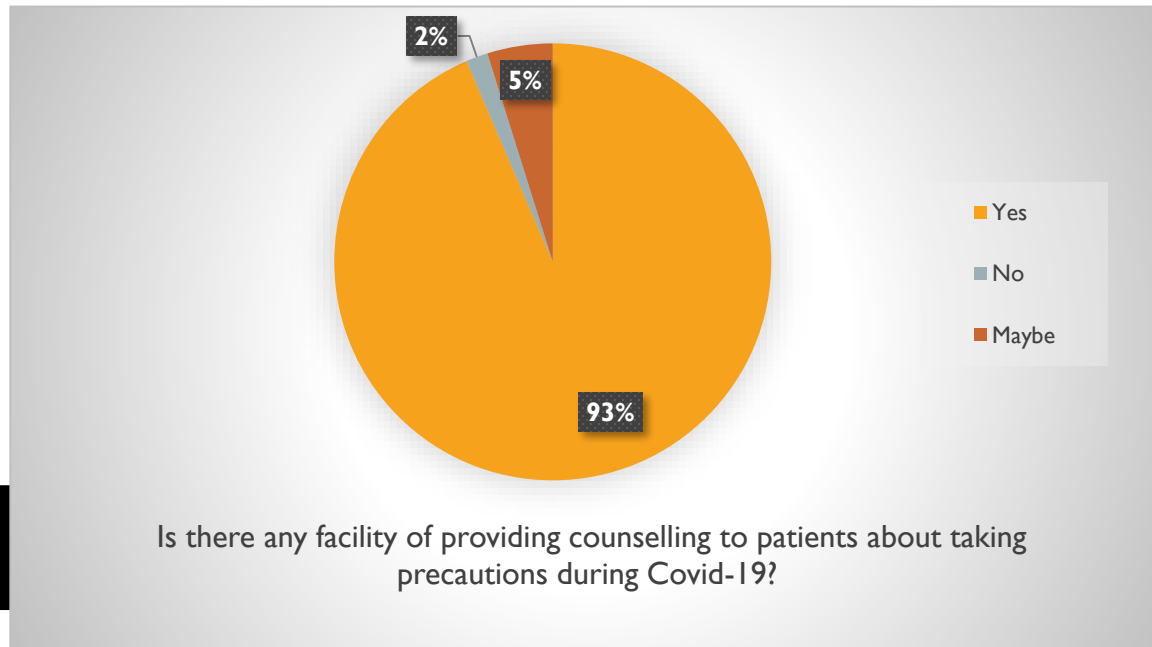


Figure 14- Distribution of responses regarding facility of providing counselling regarding Covid-19. More than 90% of the study participants said there is facility of counselling patients regarding Covid-19.

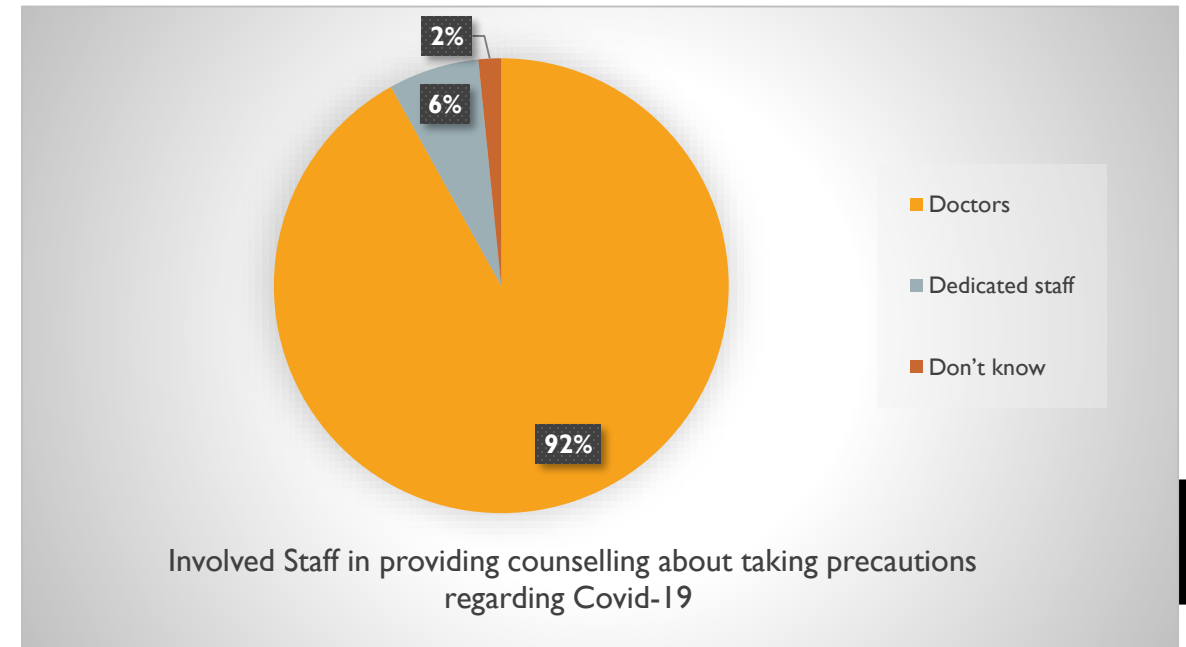


Figure 15- Distribution of responses regarding who all are involved in providing counselling regarding Covid-19. This chart shows that more than 90% of the participants said the doctors are involved in counselling patients regarding Covid-19.

Suggestions

Some of the suggestions that can be considered to strengthen our Healthcare Professionals in terms of creating adequate Awareness and creating positive attitude are:

For enhancing Awareness:

- Healthcare Professionals need to be trained to raise awareness regarding Covid-19.
- All the healthcare professionals need to be updated regarding updated information, practice via regular sessions.
- Nurses and other health professionals need to be encouraged to attend webinar; sessions conducted online regarding Covid-19.
- Online training sessions can be conducted to create awareness about the disease.

For creating positive perception:

- Pamphlets and online posters can be generated and circulated to create positive attitude.
Example: Myth buster posters.
- Experts can be made as a point of contact to handle any query regarding any information about Covid-19.

For good practice:

- Posters can be made to enhance good practice regarding Covid-19.
- Training sessions on practice during Covid -19 can be conducted.

Conclusion

- Our Healthcare Professionals are Frontline workers so must be fully aware about the disease and right perception about the disease is necessary for them and patients visiting them and having good practice toward Covid-19 is one of the important aspect to be considered.
- In this study we found that 70% of the healthcare professionals were having adequate knowledge about Covid-19 and most of them falls in the group of 30-40 and 40-50. 61% of professionals have positive attitude towards Covid-19 and 95% of the professionals had good practice towards Covid-19.
- Seeing according to profession maximum no of doctors are having adequate knowledge and having positive attitude towards Covid-19. So, we need to focus on rest health care professionals in terms of awareness, and creating positive attitude towards Covid-19.

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THANK YOU