

Assessment of COVID-19 training for NYKS volunteers in Rajasthan

Presented by –

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Introduction

- Coronaviruses are a largest family of viruses that cause illness differ from the common cold to more severe diseases. A novel coronavirus (nCoV) is a new strain that has not been earlier recognize in humans. The new virus was subsequently named the "COVID-19 virus".
- The first case of the COVID-19 pandemic in Rajasthan was announce on March 2 2020 in Jaipur. The Rajasthan Health Department has confirmed a total of 6,098 cases, including 150 deaths and 3,421 recoveries
- COVID-19 symptoms include: 'Cough, Fever, Shortness of breath, Muscle aches, Sore throat, Unexplained loss of taste or smell, Diarrhea, Headache. In some cases, covid-19 can lead to severe respiratory problems, kidney failure or death

About Nehru Yuva Kendras (NYKS)

- NYKS were started in the year 1972 to give rural youth a path to take part in the process of nation building as well providing opportunities for the development of personality and skills of the volunteers.
- NYKS is the largest ground level youth organization in India. It guide the power of youth on the principles of voluntarism, self-help and community participation
- During the COVID 19 pandemic, NYKS volunteers play an important role at the community level with the guidance of UNICEF and NHM Rajasthan by giving training to villagers how to prevent safety major in the pandemic of COVID-19.
- In the time period of lock down (starting March 25 till 31 May 2020) volunteers of NYKS Rajasthan are playing an important role, by providing people essential item, including sanitizer and mask.



➤ **METHODOLOGY**

- **Aims of the study**

To assess the knowledge and perception about covid-19 of NYKS volunteers.

- **Specific Objectives:**

1. Effectiveness of training on COVID 19 of NYKS volunteers.
2. To assess the knowledge on symptom of covid-19.
3. To check the perception about covid-19 while using the mask and sanitizer.

- **Study Design**

This is a descriptive cross-sectional study using an online survey.



- **Study Population & Setting**

NKYS Volunteers were the respondents of the study. All the NYKS volunteers from Jaipur & Jodhpur were enrolled in the study. All together 60 NYKS volunteers in both the district were recruited for the study.

- **Study Tool**

A google survey was created by the researcher with the help of experts dealing with these volunteers. The study too was translated in local language (Hindi) for the convenience of the study subjects. The first part of the questionnaire collected socio-demographic information- age, sex, etc. The other part of the questionnaire consisted of questions related to various aspects of COVID-19 such as preventive and precautionary measures.

- **Ethical Approval**

The study was approved by NHM Rajasthan. The importance of the research study was explained to the participants verbally on telephone before sending them the survey links. Informed Consent was secured and confidentiality was maintained during the entire course of study

- **Data Collection Process**

The researcher administered the questionnaire to the volunteers through a link in their WhatsApp group. A reminder was given by the researcher to fill the survey on time.

- **Data Analysis**

Data was entered in MS Excel. Both numerical & categorical variables were summarized using frequency, percentages & presented in suitable charts.

- **Type of Research**

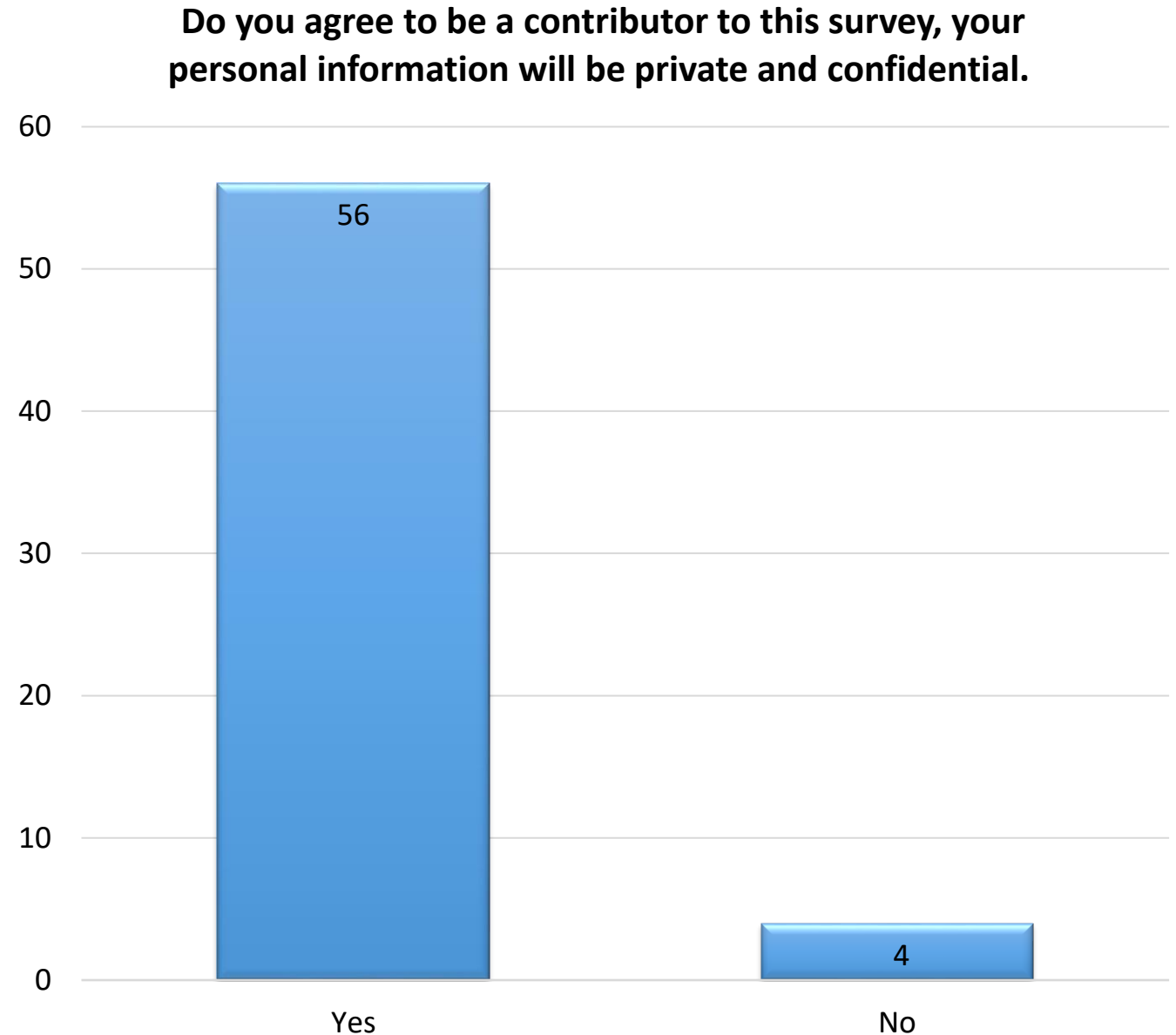
This study is based on primary data collected by circulating a google form link through WhatsApp into their groups of NYKS volunteers in Jaipur and Jodhpur.

- **RESULTS**

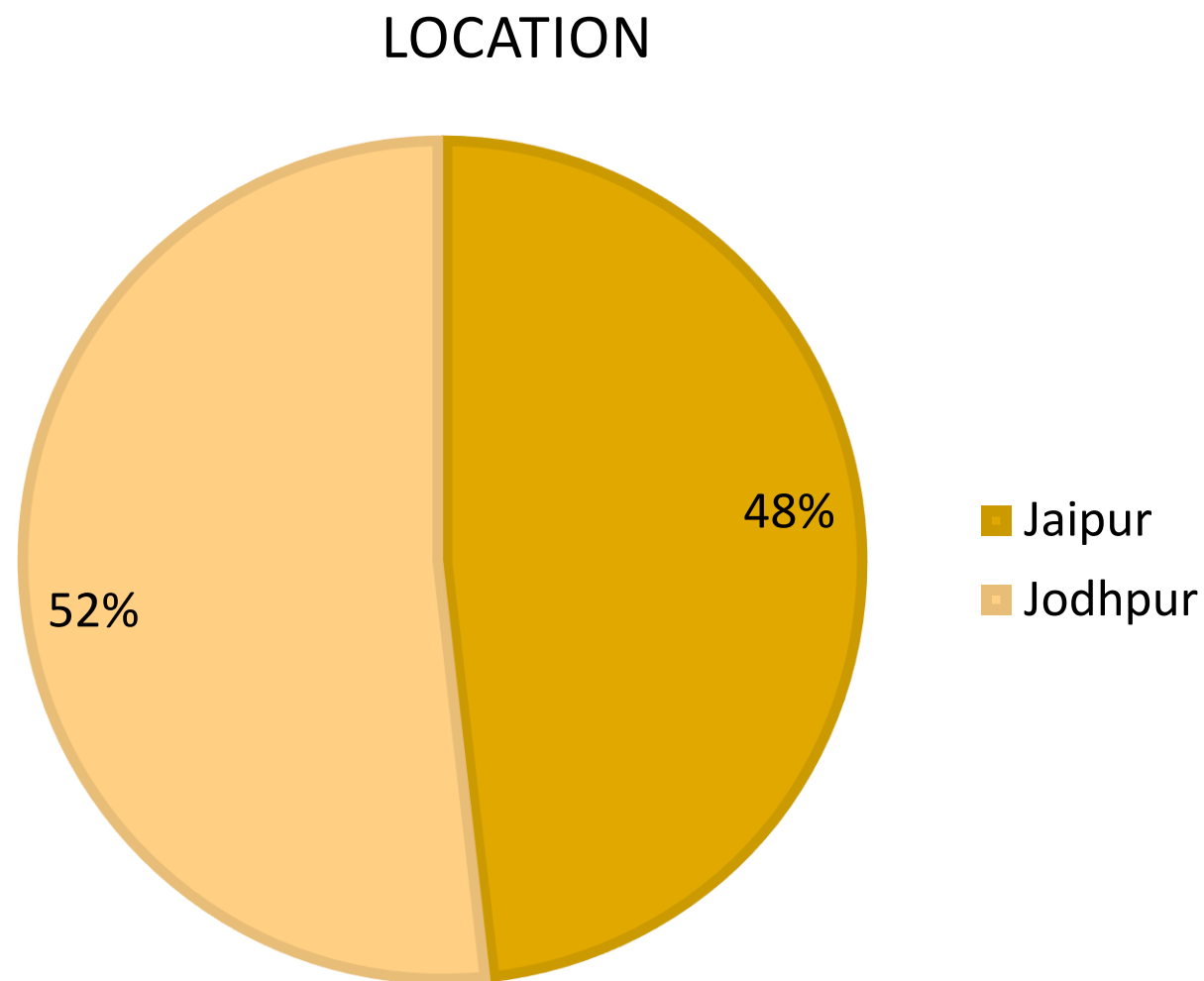
As the result of the study show the positive impact of the training which were held in the month of April. Where the hotspot city of Rajasthan was taken, here all the figure belongs to the questioner which were asked to all the target volunteers of NYKS



The consent and the contribution of the volunteer's total number of responses were 60, but 56 volunteers consented to be the part of the study and 4 NYKS volunteers refused. Thus, the final number respondents were 56.

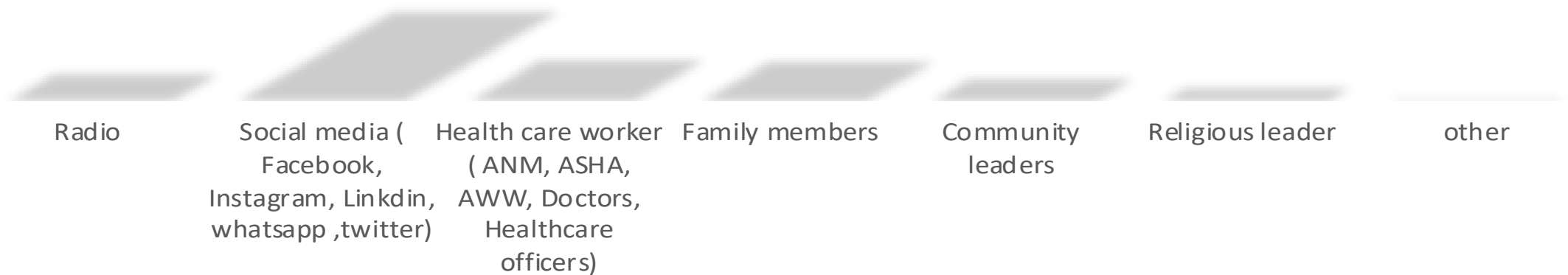


52% of
volunteers are
from Jodhpur
and 48% of
them are from
Jaipur



From where did you hear about the coronavirus, what are the source of information?

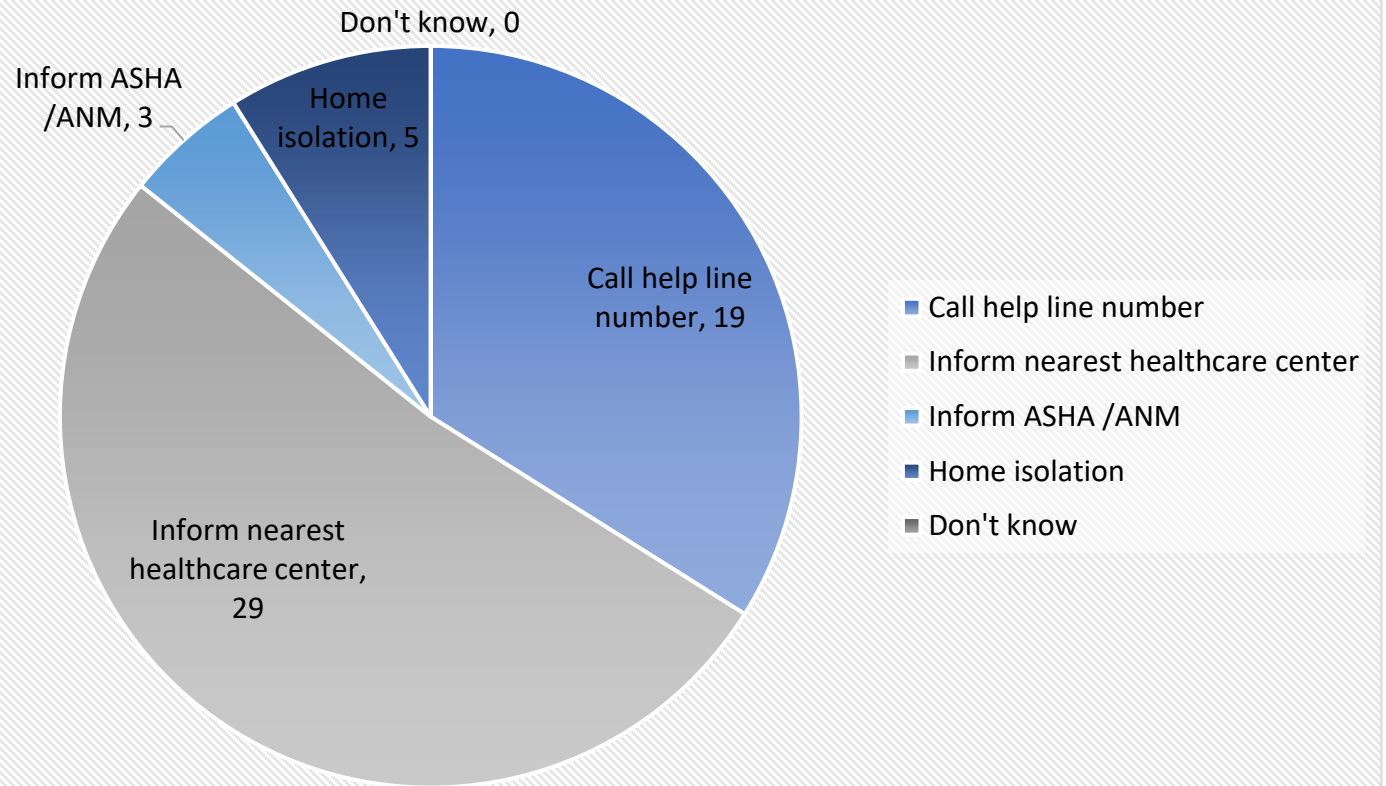
Responses



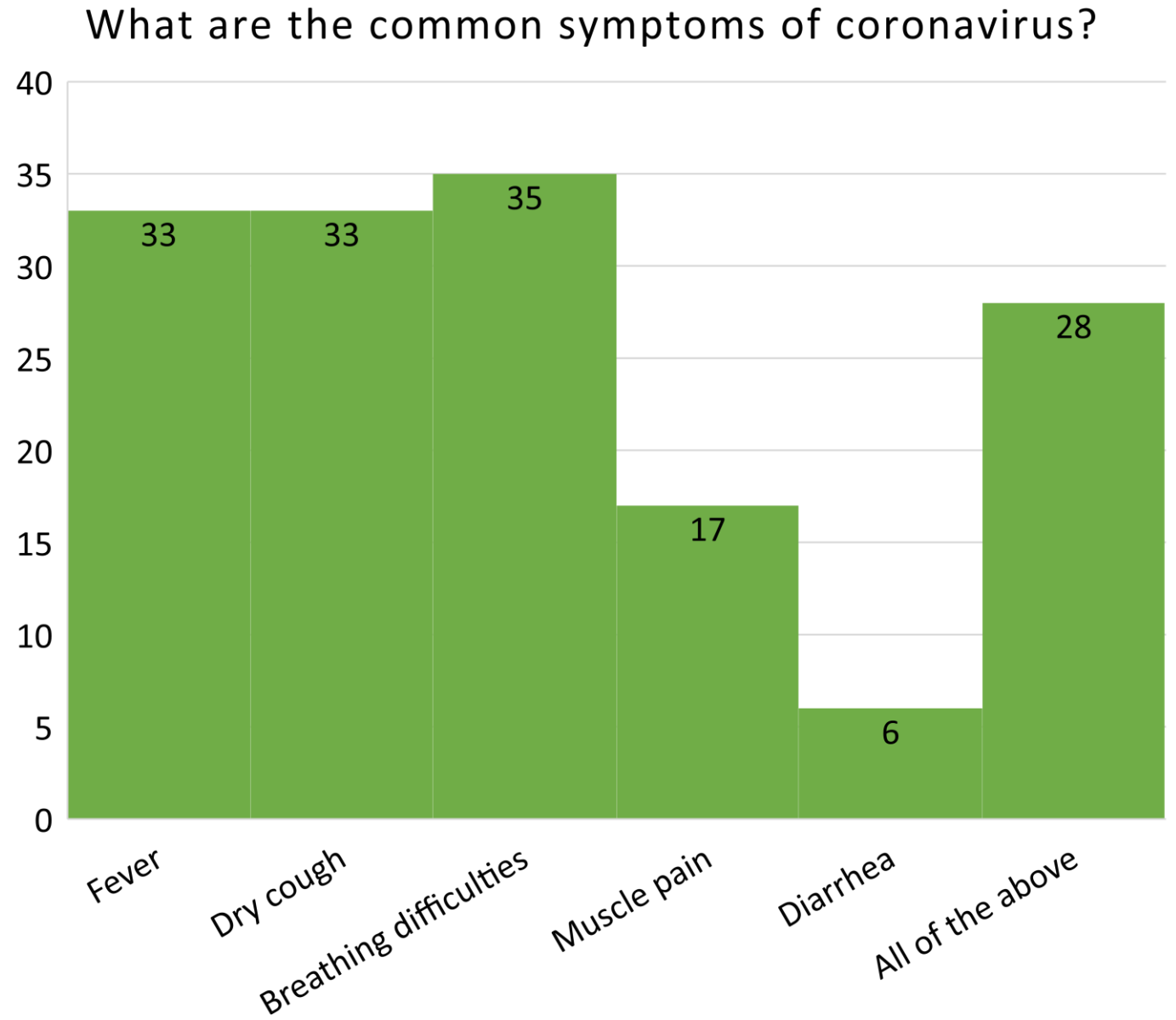
The maximum volunteers responded that they got the information from social media and second maximum got information from health care workers. Which show that health care workers, community leaders and the religious leaders play an important role as source of information on the pandemic of novel coronavirus.

Perception of NYKS volunteers According to responses, the pie diagram above show that maximum volunteers answers that they would inform nearest healthcare centre followed by 19 volunteers said that they will call the helpline number, 5 of them agreed with the home isolation without any treatment, and finally 3 of them said they will inform ASHA and ANM of their nearest health centre.

If you feel any symptom of coronavirus or you come to the contact of infected person what will you do?

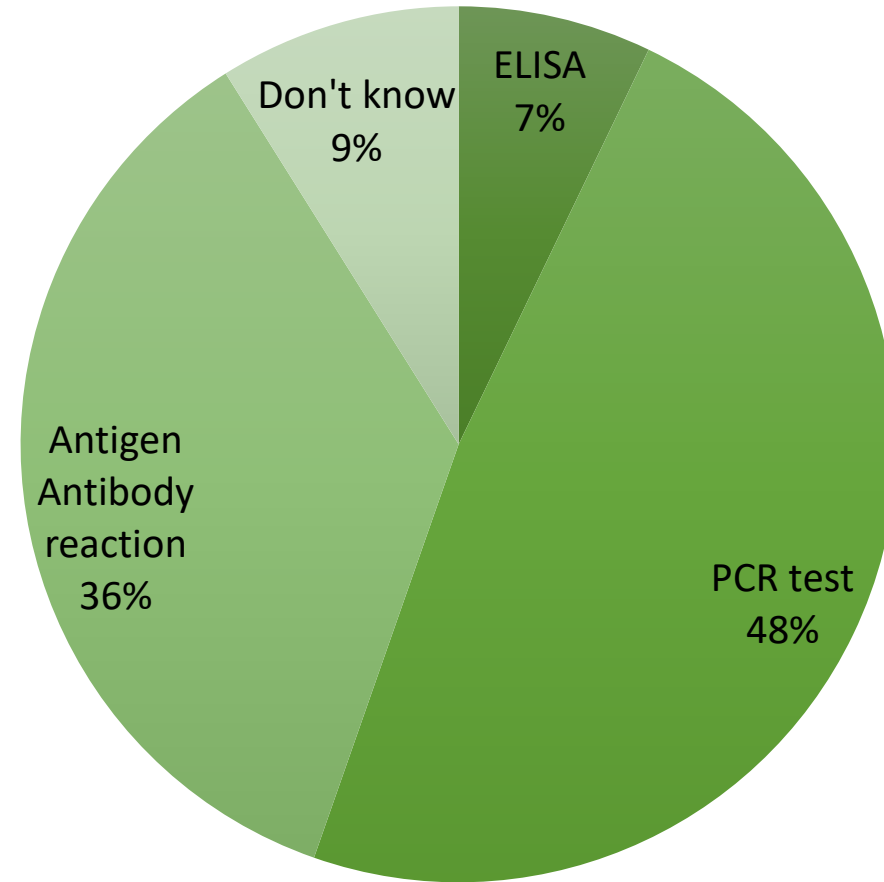


Where 90% volunteers know the common symptoms of coronavirus, which are breathing difficulties, fever, dry cough, diarrhea and in some cases muscle pain.



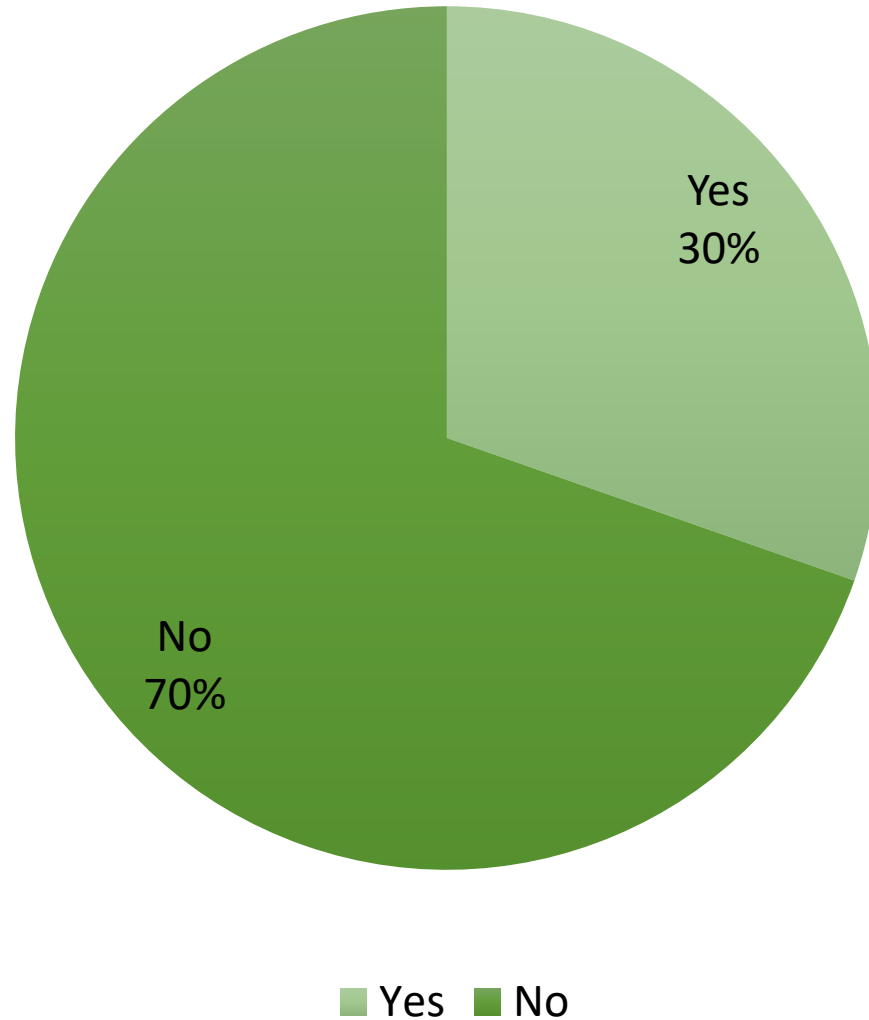
According to the Pie diagram 48% of volunteers mark PCR test, followed by 36% volunteers tell Antigen Antibody reaction is available test for the covid-19, 7% of volunteers mark in ELISA test

What test are available for COVID-19?



■ ELISA ■ PCR test ■ Antigen Antibody reaction ■ Don't know

Is there any treatment for the coronavirus?

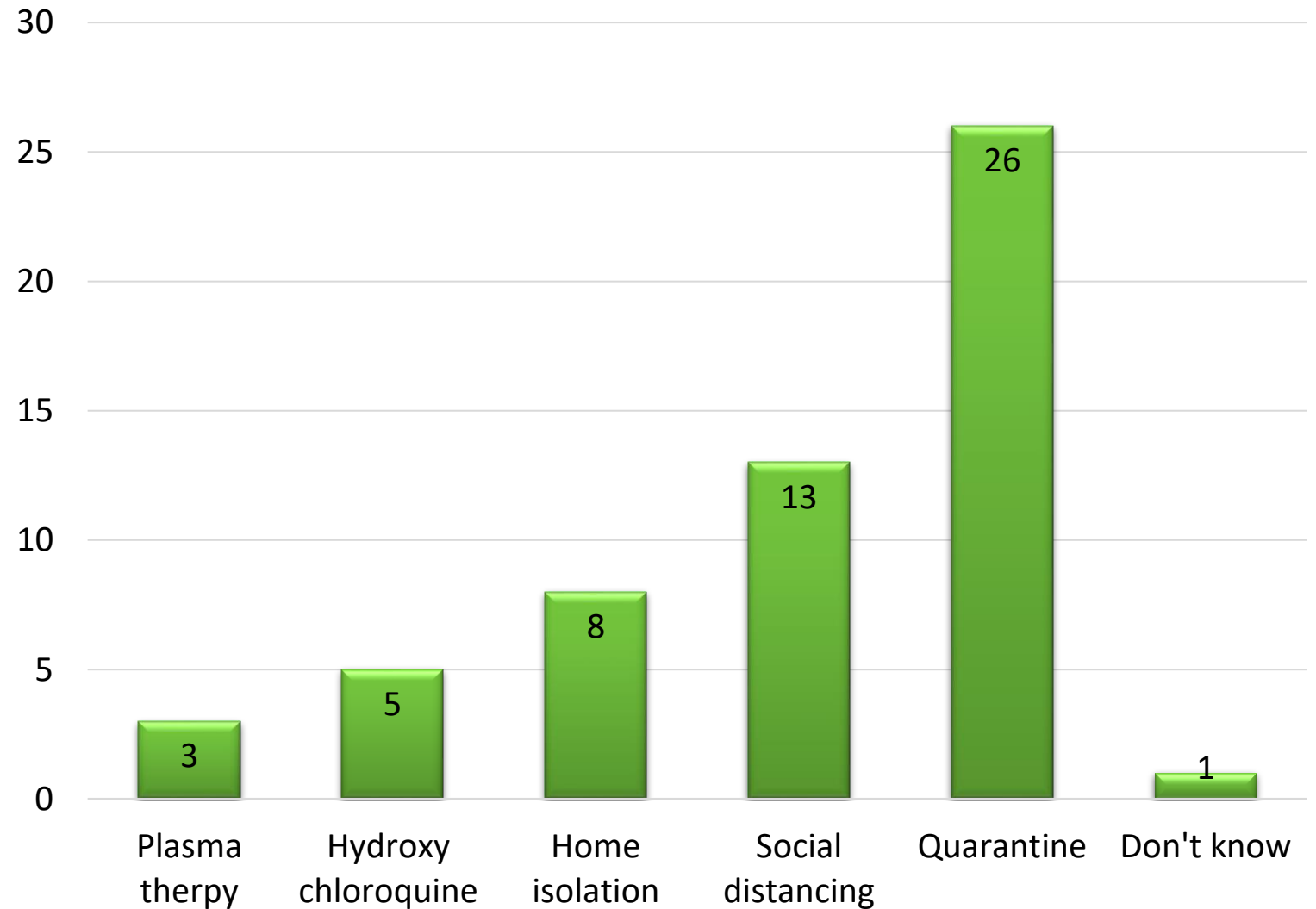


30% of them believe that a treatment of coronavirus patients is possible while 70% of them said that there is no treatment of novel coronavirus. But fact is that there is no specific treatment and no vaccine against COVID 19.

According to this 26 of them mention that quarantine is the best treatment, then 13 of them said social distancing, 8 told home isolation, 5 of them told Hydroxy chloroquine and 3 of them mention plasma therapy is the best treatment for corona asymptotic person.

But recent study says, there is no any specific treatment for COVID 19, However some drugs are used for treatment of COVID 19 patient.

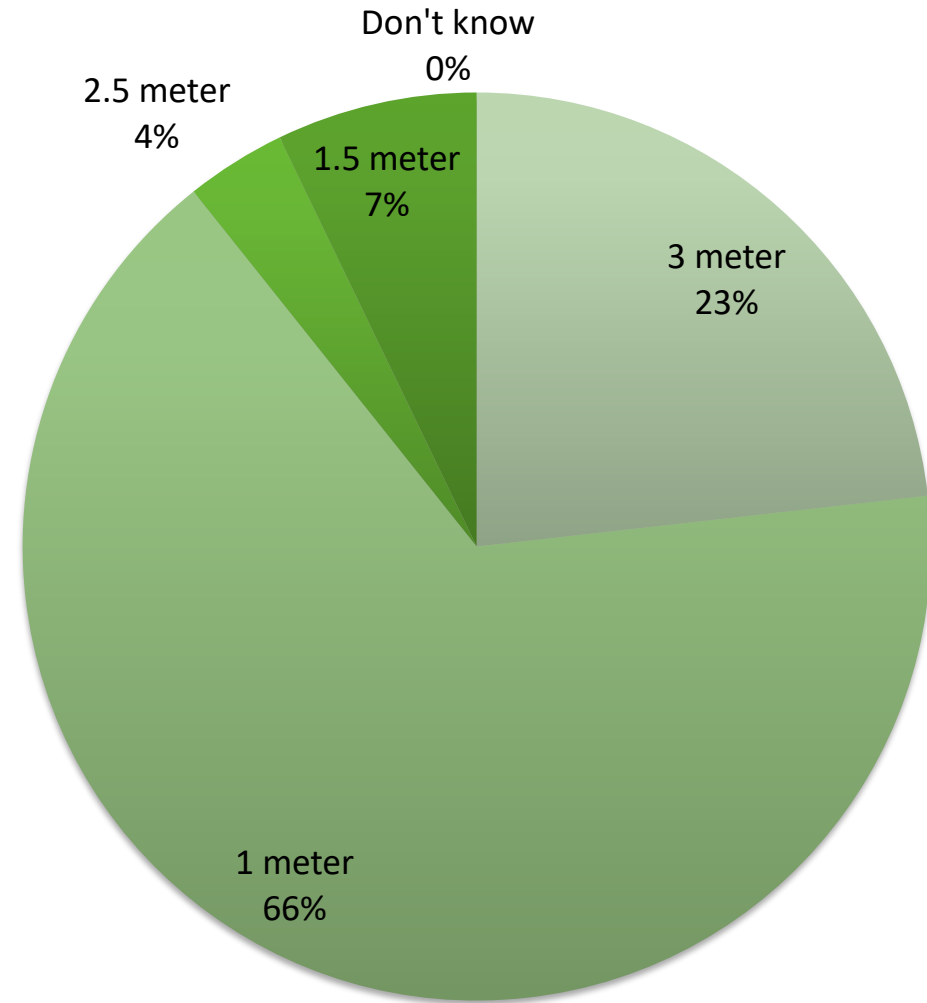
If the person has corona symptoms so,which is the best treatment for this?



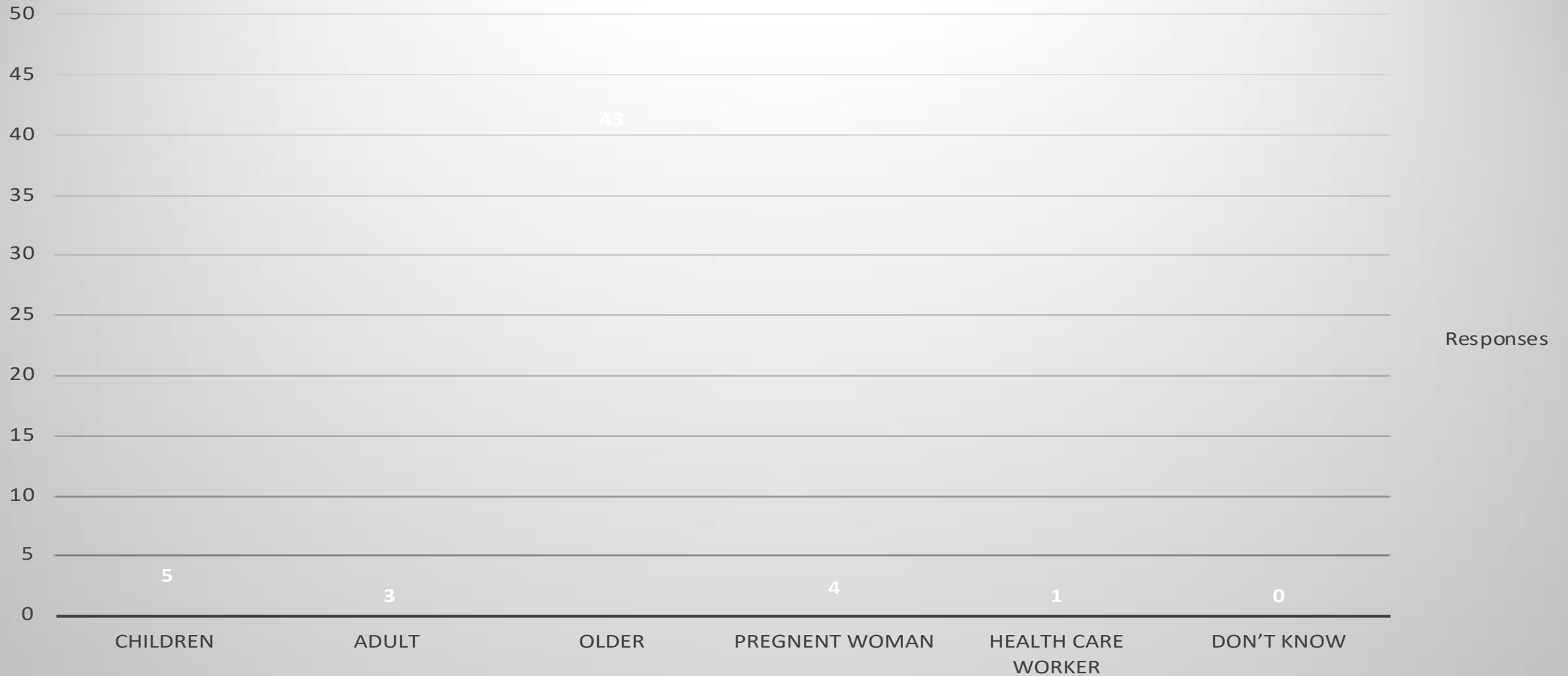
66% of responses were for 1meter.
Then 23% of volunteer's
responded that 3 meter is the
minimum distance for physical
distancing

But recommendation is that there
should a minimum 1meter of social
distance should be maintained.

What is the minimum distance to be maintain for physical distancing?

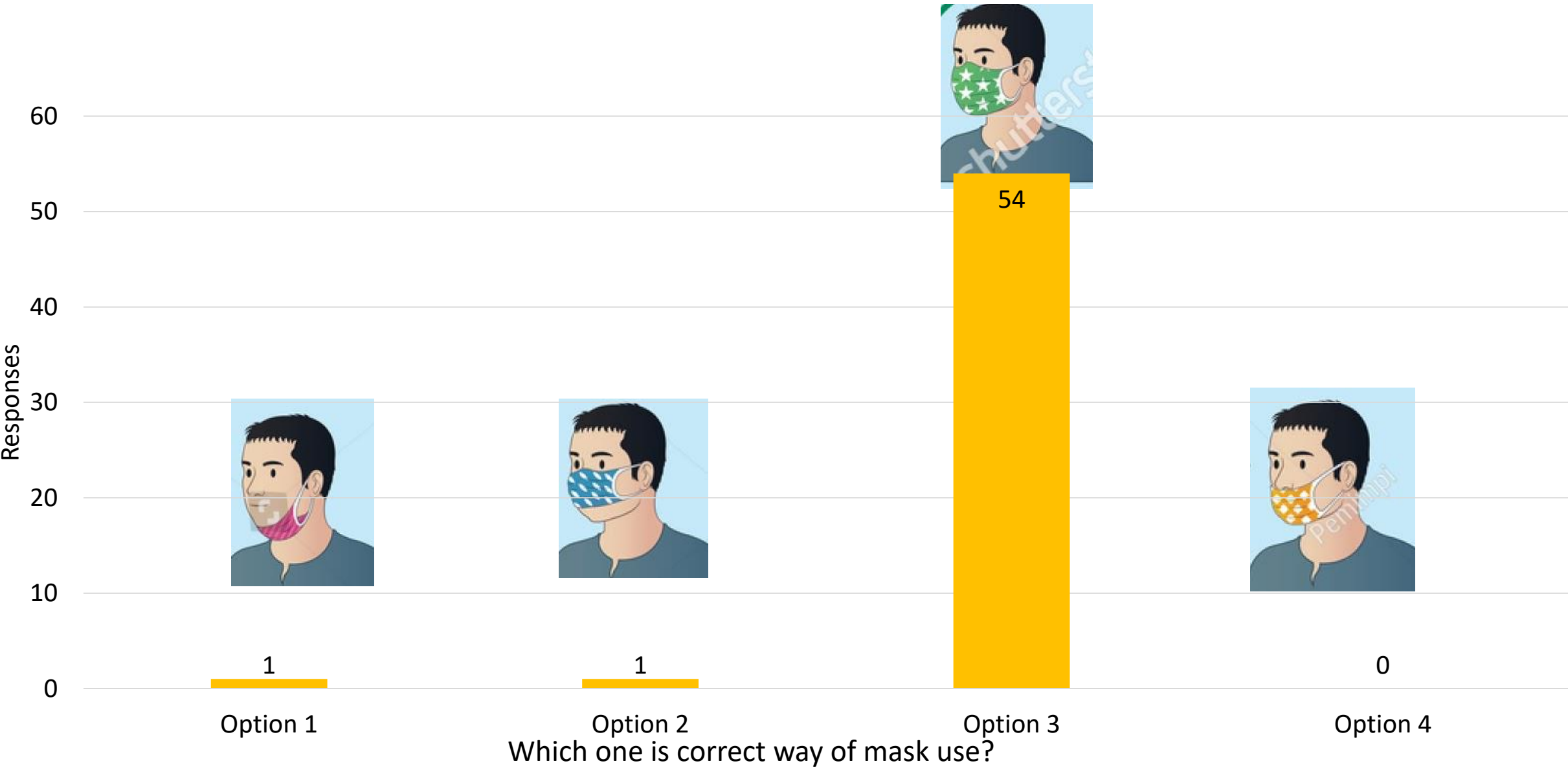


Who do you think is at the highest risk of getting the coronavirus?



According to the NYKS volunteers understanding the older population is at highest risk than children and pregnant women, Responses show that adults and Health care worker are at minimum risk. But according to the study health care worker are in highest risk than the older age group.

This question is an attitude-based question which shows the correct use of mask out the following pictorial options.



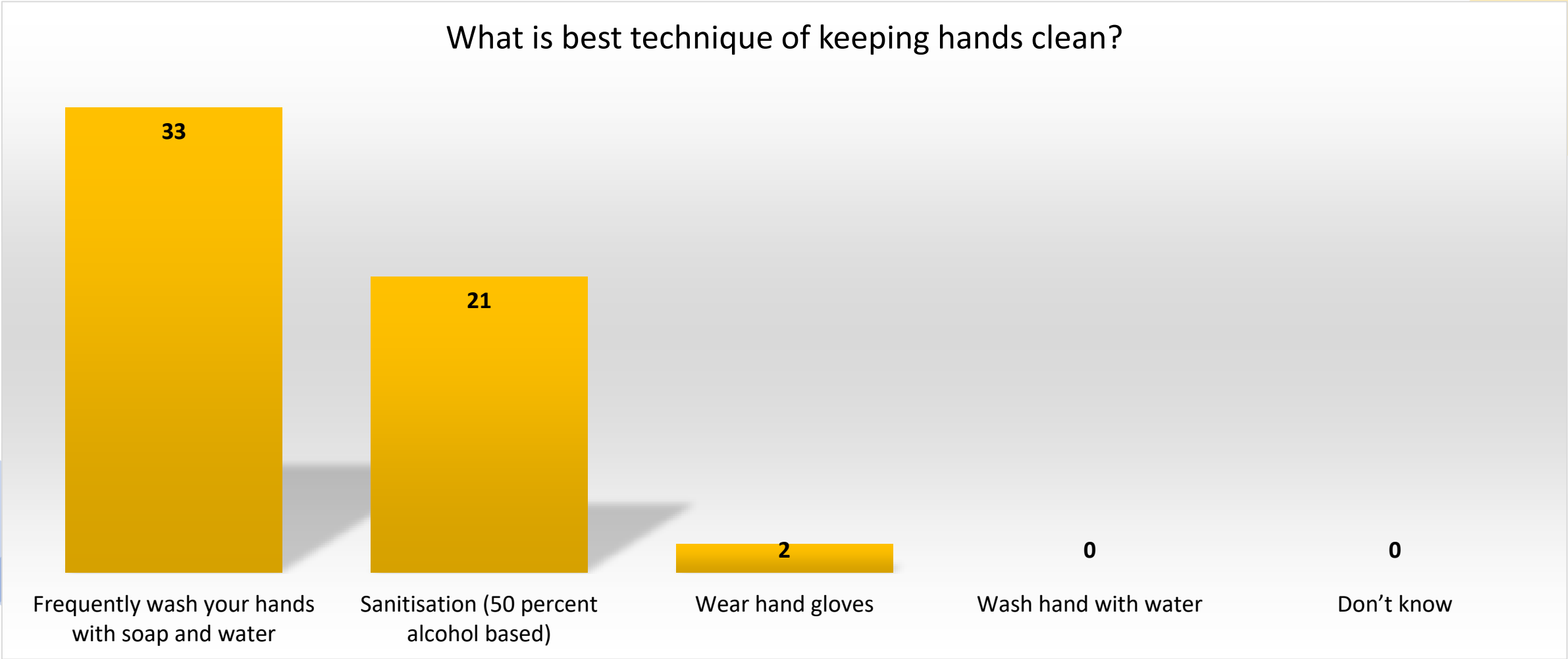
Which one is
correct way of
mask use?

During the period of COVID-19 using mask or face cover is mandatory, because coronavirus spread through the droplet of the infected person.

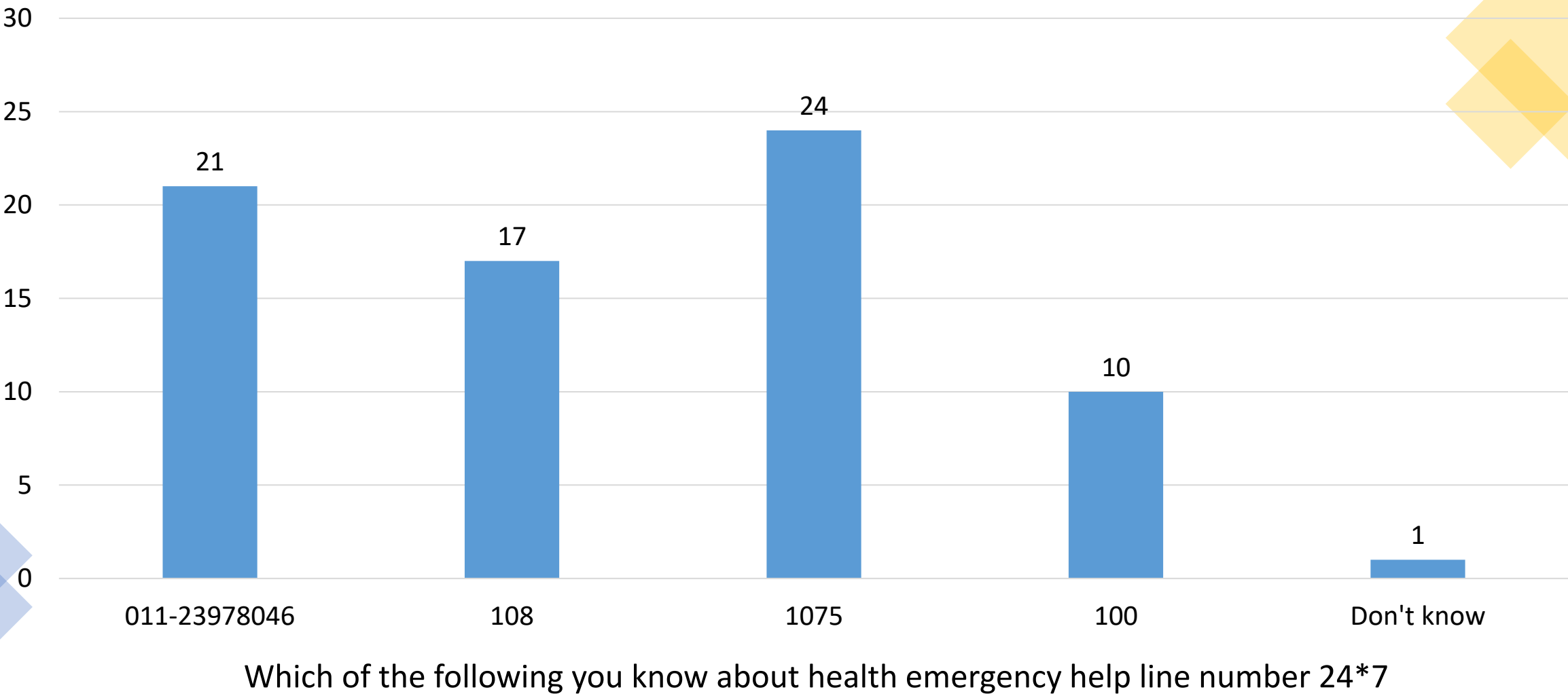
As graph shows that 96% of volunteers know the proper use of mask/ mouth cover and remaining 4% mentioned it wrong.

As all the volunteers were trained that what is the correct use of mask and how to cover and how much should be cover while using the mask. And after doing the assessment of this it's clear that maximum number of volunteers know the correct use of mask.

Shows the perception and awareness of volunteers on hand washing or sanitizing. It shows gap in knowledge. 60% of the volunteers reported frequently wash your hands with soap and water is the best technique for keeping hand clean.



34% of volunteers said that they would call the help line number if they have any symptom or they come in the contact with an infected person.
Here the respondents said that they would call 011-23978046, 108, 1075 help line number and 10 of them said 100 as a health emergency number.



Conclusion

- In conclusion, our findings show that Social media is one of the main channels updating the COVID-19 information. Out of total volunteers. 90% of them know the common symptoms of coronavirus which are breathing difficulties, fever, dry cough, diarrhoea and in some cases muscle pain, 48% of volunteers know about the available test of COVID 19. Which show lack of knowledge about coronavirus disease.
- The volunteers were trained on Zoom, an online platform. NYKS volunteers play an essential role by providing health care services and health facility to public, also during the lockdown period all the volunteers distribute mask, food pack to door to door, sanitize the village & city. Provide the right information about the coronavirus.



Thank you