



STUDY ON ROLE OF TELEMEDICINE DURING COVID-19 PANDEMIC AND IMPACT ON HEALTHCARE PROVIDER

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INTRODUCTION

1. Telemedicine is a service that is rapidly evolving to provide greater access to high-quality health-care services that are efficient and cost-effective, especially in the midst of the current COVID-19 pandemic.
2. Telemedicine is as yet not broadly received, due to the exacting principles of law, and not to the instalment structure.
3. Telemedicine can enormously expand the capacity to give superior grade and moderate clinical consideration to the patients, and simultaneously as the actual distance, to guarantee the security of the two patients and medical services suppliers.

4. we are in covid time where visit medical clinic isn't fitting except if genuine disease. India with an enormous populace will be hard to deal with the patient if not found a way ways to execute and make an act of telemedicine among individuals.
5. So, keeping in vision the point is to comprehend the perspectives on specialists in regard to telemedicine after the Coronavirus pandemic and issues looked by doctors in the event that they have insight or have any criticism for eventual fate of telemedicine.
6. Furthermore, the goal is to get familiar with the mentality of doctors for development required in the present telemedicine framework and approaches to improve it so it very well may be acknowledged both by doctors and the patients.

METHODOLOGY

STUDY DESIGN: Cross-sectional Observational Study

Inclusion criteria: Healthcare Providers.

Exclusion criteria: Non medicos, not practicing doctors.

Study tools: Questionnaire

DURATION OF STUDY: 22/03/2021 – 19/06/2021

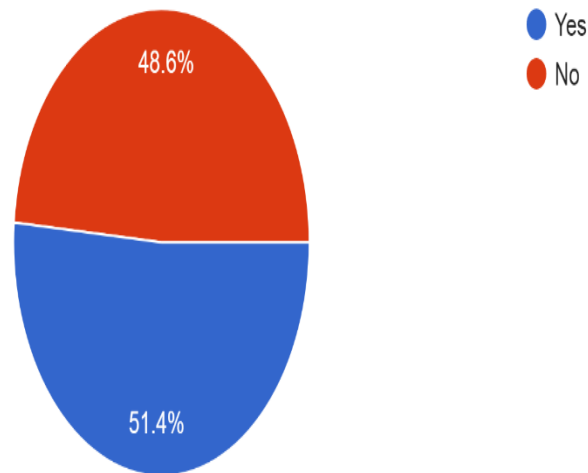
SAMPLE SIZE: Sample collection was done from 111, out of which 108 are doctors and 3 are not doctor. So inclusion is 108 and exclusion is 3.

Sample Technique: Convenience Sampling

RESULTS

CURRENTLY ARE YOU A PRACTICING DOCTOR?

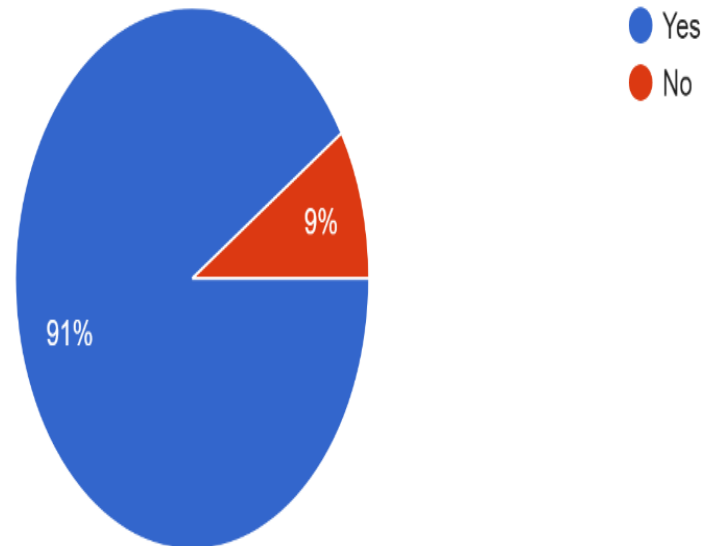
111 responses



Out of the sample majority are practicing doctors, so a clear result can be developed for the study

HAVE YOU HEARD ABOUT TELEMEDICINE?

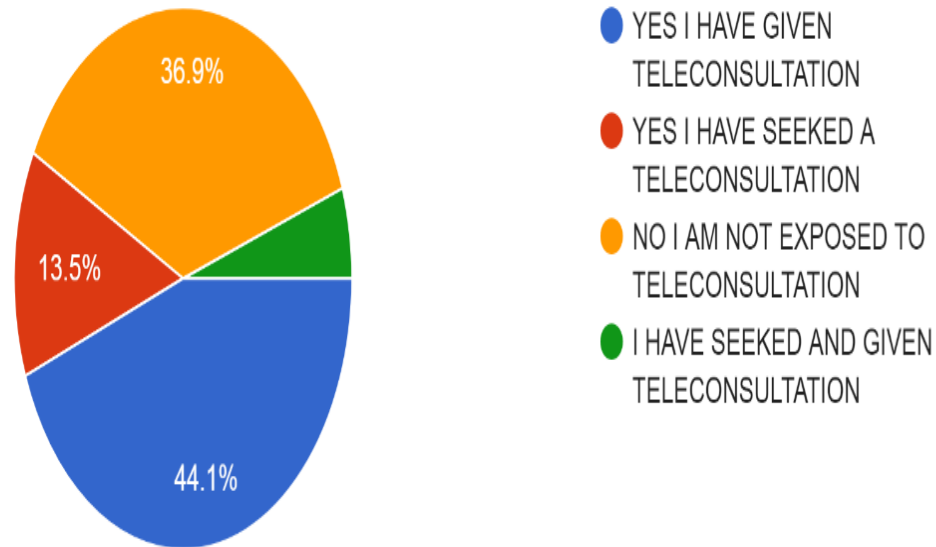
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From the sample almost 91% doctors are aware about the telemedicine which is a good sign that more doctors are involving into telemedicine

HAVE YOU GOT AN EXPOSURE TO TELEMEDICINE?

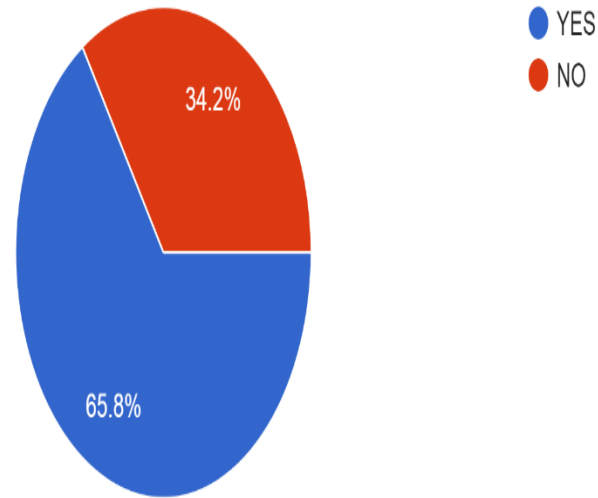
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From the study sample we can observe that 44% have given teleconsultation during pandemic, which defines we are heading towards tele consultation and have better opportunity in future

DO YOU THINK PATIENT ARE ADAPTING WITH TELECONSULTATION?

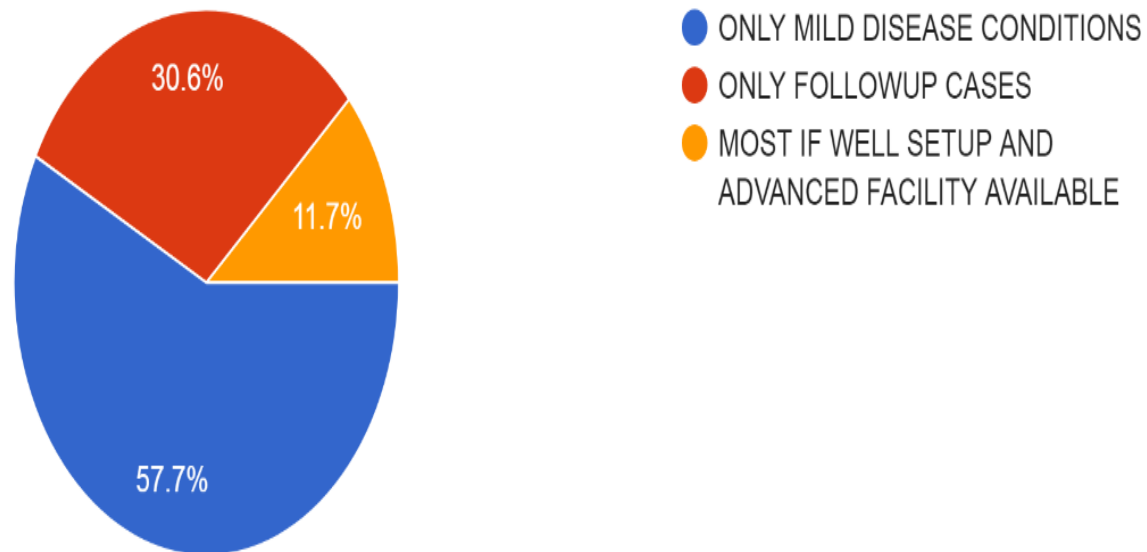
111 responses



Majority from the doctors from the sample have opinion that patients are adapting to telemedicine which given more strong positive point for the study.

WHAT PERCENTAGE OF DISEASE CAN BE MANAGED USING TELEMEDICINE OVER PHYSICAL CONSULTATION?

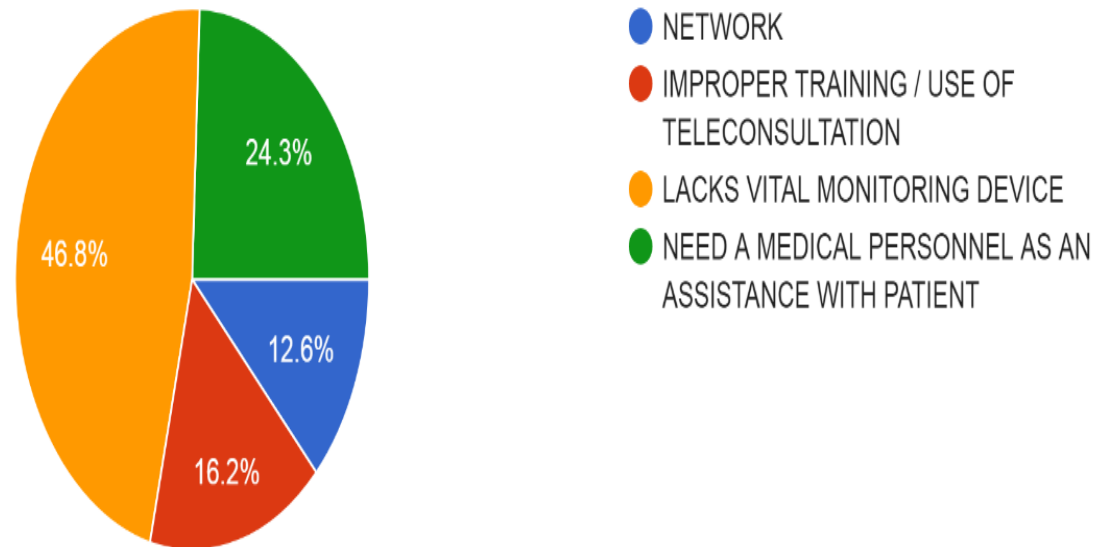
111 responses



From the study of sample we can see that for now tele consultation is not fully optimized for high end treatment of disease only mild can be done. So there is scope for improvement

WHAT ISSUE DID YOU FACE THE MOST DURING TELECONSULTATION?

111 responses

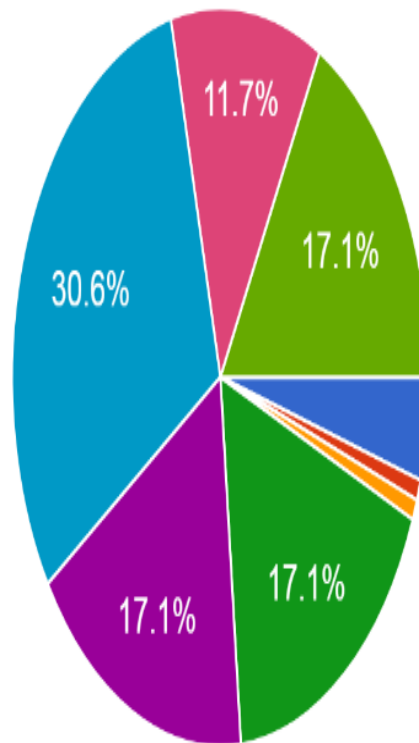


Drawback like lacking vital monitoring is missing for which teleconsultation apps needs to work on.

This is a great feature it can be enabled will make telemedicine a better environment for consultation

BEING A DOCTOR WHATS YOUR PERCEPTION ABOUT TELEMEDICINE?

111 responses



- Telemedicine saves time
- Telemedicine saves efforts
- Telemedicine saves Transportation cost
- Telemedicine can increase the reach of remote places to healthcare facilities
- TELEMEDICINE IS GOOD FOR FOLLOWUP OR 2ND TIME CONSUL...
- ALL OF THE POSITIVE POINTS ABO...
- TELEMEDICINE IS NOT EFFECTIVE...
- TELEMEDICINE IS ONLY EFFECTIV...

CONCLUSION

1. Out of data $49/108 = 45.37\%$ doctors have given tele consultation but unfortunately $40/108 = 37.03\%$ have not at all exposed to telemedicine.
2. Doctors around $73/108 = 67.59\%$ think that patients are adapting with telemedicine which is a good sign for future perspective.
3. May be some of the reasons behind doctors not preferring telemedicine is that they lack vital monitoring device and second to that is need of medical personnel as an assistant with patient. If we see in percentage its around $52/108 = 48.14\%$ for the need of vital monitoring device and $27/108 = 25\%$ for the need of assistant for patients.
4. Most doctors $44/108 = 40.74\%$ from data it can be analysed that telemedicine will be applicable for follow-up cases.
5. Also it can be seen from the data analysis that maximum doctors feel that telemedicine can increase that reach to remote places with healthcare facilities and telemedicine is good option in follow-up patients.

5. And lastly but not the least doctors from the sample taken wanted to have features in telemedicine like:
 - a. Recording of the consultation
 - b. Doctors can see live reports
 - c. Smart artificial based device connected to monitor the vitals
 - d. National based server with previous history of the patient and past prescriptions.
 - e. Multispeciality consultation linking in app with laboratory as well as pharmacy reminder.

SUGGESTIONS

1. As after the primary study it can be interpreted and recommended that there is need for more awareness regarding telemedicine among the people. Also need to encourage to do teleconsultation so as to be safe during this pandemic.
2. Need for the improving app that is available for teleconsultation incorporating friendly interface that will help both doctors and patients. Also need artificial intelligence-based feature for vital monitoring.
3. As we may have to live with covid-19 in near future so its essential that we adapt to teleconsultation ecosystem.

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THANK YOU