

## Extent of Knowledge, Preparedness and Perception on Telemedicine among Family Medicine Resident Physicians in Different Training Institutions in Cebu City, PH during COVID-19 Pandemic

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**Abstract :** Telemedicine is providing health care services using electronic means at a distance, including the diagnosis, treatment, and prevention of diseases as well as the research and evaluation and education of health care providers. The role of telemedicine in this time of the COVID-19 pandemic is vital, especially in the practice of medicine. General Objective: To determine the extent of knowledge, preparedness and perception of telemedicine among Family Medicine Resident Physicians in different training institutions in Cebu City during the Coronavirus Disease 19 pandemic. Methods: A descriptive, cross-sectional survey research study was conducted in four hospital training institutions in Cebu City. A total of 41 respondents gave their consent and were given the online survey questionnaire pertaining to the extent of knowledge, preparedness and perceptions on telemedicine, including respondents' demographic data and problems encountered in Telemedicine. Results: Out of the 41 respondents, 56.10% were young adults (26 to 30 years old), mostly females (70.73%), single (68.29%), first-year residents (43.90%), employed at a government hospital (70.73%) and are in the traditional residency pathway (82.93%). On relevant experience, 82.93% experienced telemedicine during residency, with 100% on follow-up consultations, and 95% were consulted due to infections. Respondents' extent of knowledge was average, while the extent of preparedness and perception were great. Problems with low connectivity (80.48%) were noted by most of the respondents. Conclusion: Resident physicians moderately understood the information about telemedicine but with a great extent of preparedness and perception. They are always prepared for telemedicine modality because they are fully aware of its existence and need in the delivery of health care services among their patients at the time of the pandemic. Challenges to low connectivity and handling patients' data privacy were the major concerns met by the resident physicians in the use of telemedicine.

**Keywords :** telemedicine, knowledge, preparedness, perception, family medicine, residents, COVID 19

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