

A STUDY OF IMPACT OF COVID-19 ON SOCIETY USING STATISTICAL METHODS

**Mr. Prakash S. Chougule*¹, Dr. T. S. Kurane*², Dr. K. V. Gaikwad*³, Mr. Yash J. Sawant*⁴,
Mr. Nishant T. Matale*⁵, Mr. Vishwajit R. Patil*⁶, Miss. Aishwarya K. Chougule*⁷,
Miss. Seema S. Godase*⁸**

*¹Associate Professor, Rajarshi Chhatrapati Shahu College, Kolhapur (Ms), India.

*^{2,3}Assistant Professor, Rajarshi Chhatrapati Shahu College, Kolhapur (Ms), India.

*^{4,5,6,7,8}Research Students, Department Of Statistics,Rajarshi Chhatrapati Shahu College,
Kolhapur (Ms), India.

ABSTRACT

The end of the year 2019 was marked by the introduction of a third highly pathogenic coronavirus, after SARS-CoV (2003) and MERS-CoV (2012), in the human population which was officially declared a global pandemic by the World Health Organization (WHO) on March 11, 2020. Indeed, the pandemic of COVID-19 (Coronavirus Disease 19) has evolved at an unprecedented rate: after its emergence in Wuhan, the capital of the province of Hubei of the People's Republic of China, in December 2019, the total number of confirmed cases did not cease growing very quickly in the world.

In this article we have provided an overview of the impact of COVID-19 on human health. We analyse the different health aspects of people who suffered from this disease. Our aim is to check the awareness in the society (rural and urban) regarding to their health after the COVID-19. Our analysis is trying to help where we can put extra efforts to pursue good health, which loopholes government has to overcome, which areas government, NGO's has to pay extra attention. Overall we are trying to study the impact of COVID-19 on human health and present weaker points which has to work on them for better health and hence better life.

Keywords: COVID-19, Chi-square Test, Graphical Representation, Level Of Significance, Nonparametric Tests.

I. INTRODUCTION

In December 2019, the SARS Covid-2 virus was introduced to the world. A virus that was much more contagious than SARS Covid-1 and spread to different parts of the world in a short time. The World Health Organization had to declare a global health emergency.

The COVID-19 pandemic has led to a dramatic loss of human life worldwide and presents an unprecedented challenge to public health, food system and the world of work. The economic and social disruption caused by the pandemic is devastating. The pandemic has affected crores of people who were either sick or killed in this wave. This viral disease affected human for the first time so no one is prepared to handle the wave as well as no one is 100% capable to avoid the consequences of it.

From the reopening of schools, to the cessation of preventive isolation and mass vaccination, much has been said about the post-pandemic recovery of country. However the system that has not stopped in the last three years and has undoubtedly been consistently hard hit, is the HEALTHCARE SYSTEM. As we know 'Health is not valued till sickness comes'. The human health is one of the important factors need to be recognised after this pandemic.

Coronaviruses are frequent ribonucleic acid viruses, of the Coronaviridae family, which are responsible for digestive and respiratory infections in humans and also in animals. The virus owes its name to the shape of its viral particles, bearing growths that evoke a crown. It is an invisible threat that worries the whole world. COVID-19 first appeared in Wuhan in December 2019 and caused fatal respiratory infections, and then, it spread gradually in the world and, thus, became a global pandemic, triggering a health crisis (WHO declared a global pandemic on March 11, 2020). Also, COVID-19 is a new disease born from viral recombination which occurred recently, and that collective memory has forgotten the great epidemics of previous centuries. Several