

AWARENESS OF CORONA MULTIVARIATE AMONG SECONDARY TRAINEE TEACHERS

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ABSTRACT

The SARS-CoV-2 virus is the infectious disease known as coronavirus disease (COVID-19). The majority of virus-infected individuals will experience mild to severe respiratory disease and will recover without the need for special care. Corona has an impact on people all around the world. The awareness of corona multivariate among secondary trainee instructors is the topic of this essay. The essay aims to shape the interests and attitudes of secondary training teachers. There are 118 secondary trainee teachers in the study sample. In a conflict situation in higher education, the researcher has discovered the mean deviation and standard deviation. Additionally, we gathered 118 samples from aspiring secondary teachers.

Keywords: Awareness, Corona, multivariate, Trainee Teachers

INTRODUCTION

The majority of virus-infected individuals will experience mild to severe respiratory disease and will recover without the need for special care. However, some people will get serious illnesses and need to see a doctor. Serious sickness is more likely to strike older persons and those with underlying medical illnesses including cancer, diabetes, cardiovascular disease, or chronic respiratory diseases. COVID-19 can cause anyone to become very ill or pass away at any age. Being knowledgeable about the illness and the virus's propagation is the best strategy to stop or slow down transmission. By keeping a distance of at least one metre between people, donning a mask that fits properly, and often washing your hands or using an alcohol-based rub, you can prevent infection in both yourself and other people. When it's your turn, get your vaccination, and abide by any local advice. When an infected person coughs, sneezes, speaks, sings, or breathes, the virus can spread from their mouth or nose in minute liquid particles. From larger respiratory droplets to tiny aerosols, these particles are diverse. It's crucial to use proper respiratory technique, such as coughing into a flexed elbow, and to confine yourself to your home and rest until you feel better.

NEED FOR CORONA MULTIVARIATE AWARENESS

COVID-19 is caused, by a virus that is continually evolving, and new versions are predicted to emerge. Occasionally, new varieties appear and then vanish. New types occur at other times. During this pandemic, multiple types of the virus that causes COVID-19 are being tracked in the United States and worldwide. Consider a virus as a tree that is developing and branching out; each branch is somewhat , different from the others. Scientists can categorize the chapters based on their distinctions, by comparing them. Since the start of the pandemic, these little changes, or variants, have been examined and recognized. By studying each variant and understanding these differences, scientists can display, and often expect, whether a variant is riskier than others. They also can use this invaluable information to track the unfolding of a variant.

As the virus spreads, it will have more opportunities to evolve, making it more challenging to eradicate. These changes can be tracked by comparing physical features (such as treatment resistance) or genetic code changes (mutations) from one version to the next. Scientists can monitor and often forecast if a variant is more harmful than

others by examining each variant and comprehending these characteristics. This information can also be used by scientists to trace the spread of a variant.

Covid variants circumstances now a day is far from satisfactory and severe and new threats loom on the horizon. The authorities like World Health Organization, Central Government and the State Governments take more necessary actions to prevent from covid variant with, the help of Vaccination, people would continue to wear a mask without any obligation and improvement of curfew, but unfortunately, we lost many lives throughout the universe. A special effort is needed to bring corona multivariate awareness education to the classroom so that when citizens begin to play their part in public life, they can help restore the values on which culture-based and practice them in their daily lives. No research has been conducted on this topic or related to this. At the national level, very few investigations have been undertaken and some are completed, and some not. Therefore, the present study felt the need of the hour, and this should be followed by further research on matters, and topics related to corona multivariate awareness among secondary training teachers.

STATEMENT OF THE PROBLEM

The problem selected for the present study is entitled “**AWARENESS OF CORONA MULTIVARIATE AMONG SECONDARY TRAINEE TEACHERS.**”

DEFINITION OF THE TERMS USED

Corona

A corona virus is a type of virus that causes infections in the nose, sinuses, and upper throat. The majority of corona viruses are not harmful. COVID-19 is a sickness produced by the SARS-CoV-2 virus that can cause a respiratory tract infection, according to specialists. It can affect our upper or lower respiratory system (sinuses, nose, and throat) (windpipe, and lungs).

Multivariate

Multivariate indicates that numerous dependent variables are combined to produce a single result. This explains why the vast majority of real-world situations are multivariate. We can't predict the weather of any year based on the season, for example. Pollution, humidity, precipitation, and other factors all play a role. Here, we'll go over multivariate analysis, its history, and its use in many fields.

Awareness

In biological psychology, ‘awareness’ comprises a human’s or an animal’s perception and cognitive reaction to a condition or event. Awareness does not necessarily imply understanding, just an ability to be aware of, feel or perceive or be conscious of. In this study, it is used to mean to state knowing that something is essential and that is crucial too.

Secondary Trainee Teachers

Secondary Trainee Teachers is an undergraduate professional degree that prepares Trainee Teachers for work as a teacher in schools.

OBJECTIVES

1. To determine whether there is any significant difference between male and female Secondary Trainee Teachers in their corona multivariate awareness concerning gender.
2. To determine whether there is any significant difference between urban,, and rural Secondary Trainee Teachers in their corona multivariate awareness concerning location.
3. To determine whether there is any significant difference between Tamil medium, and English medium Secondary Trainee Teachers in their corona multivariate awareness concerning the medium of instruction.
4. To determine whether there is any significant difference among Language, Mathematics, Science, Social science, and commerce Secondary Trainee Teachers in their corona multivariate awareness concerning discipline.
5. To determine whether there is any, no significant difference among high school, higher secondary, and degree Secondary Trainee Teachers in their corona multivariate awareness concerning Father education.

NULL HYPOTHESIS

1. There is no significant difference between male and female Secondary Trainee Teachers in their corona multivariate awareness concerning gender.
2. There is no significant difference between urban, and rural Secondary Trainee Teachers in their corona multivariate awareness concerning location.
3. There is no significant difference between Tamil medium, and English medium Secondary Trainee Teachers in their corona multivariate awareness concerning the medium of instruction.
4. There is no significant difference among Language, Mathematics, Science, Social science and commerce Secondary Trainee Teachers in their corona multivariate awareness concerning discipline.
5. There is no significant difference among high school, higher secondary and degree Secondary Trainee Teachers in their corona multivariate awareness concerning Father Education.

DELIMITATIONS OF THE STUDY:

Delimitations are the boundary of the study. The present study has the following delimitations.

- (i) The analysis was restricted to the Secondary Trainee Teachers only.
- (ii) The analysis has been confined only to the Madurai District of Tamil Nadu state.
- (iii) The sample for the study consists of a limited 118 Secondary Trainee Teachers.

METHOD USED FOR THE STUDY

The researcher has chosen the survey method to study the corona multivariate awareness related to the social maturity of Secondary Trainee Teachers.

John W. Best (2006) "The survey method gathers data from a relatively large number cases at particular time survey method involves interpretation, comparison, measurement, classification, evaluation and generalization. All directed towards a proper understanding solution of significant educational problems."

POPULATION FOR THE STUDY

The population is the aggregate or totality of objects or individuals regarding which inferences are to make in a study. The population for the present study includes Secondary Trainee Teachers in the Madurai district.

SAMPLES FOR THE STUDY

A sample is a small proportion of a population selected for observation and analysis from a given data; the choice of selection is made by various methods.

The investigator used a simple random sampling technique to select the Secondary Trainee Teachers from Madurai District. Thus, the sample consists of 118 Secondary Trainee Teachers.

TOOLS USED FOR THIS STUDY

Research Tools

The research tools are designed to measure the objectives in quantitative terms. As per the need of the study, different tools are used for data collection.

The following are the tools used for data collection:

‘Corona multivariate awareness Questionnaire for Secondary Trainee Teachers

The tools used to measure the corona multivariate awareness from the Trainee Teachers, and Secondary Trainee Teachers/lecturers & principals were named as ‘Corona multivariate awareness Questionnaire for Secondary Trainee Teachers ‘

Corona multivariate awareness Questionnaire for Secondary Trainee Teachers

The ‘Corona multivariate awareness Questionnaire’ is designed to measure, the level of awareness about Corona multivariate for Secondary Trainee Teachers in the Madurai district. It consists of a set of 20 statements. These are objective-type statements chosen from the, different areas and issues related to Corona multivariate awareness. It consists of a request, seeking the cooperation of the respondents, and assurance of confidentiality, the personal data of the respondents, and 20 statements.

The tool was scrutinized by peers and experts and followed by the supervisor’s recommended corrections. The questionnaires were printed with color codes for easy identification: white for Trainee Teachers and yellow for principals and Secondary Trainee Teachers.

Structure-Based Classification of the ‘CORONA MULTIVARIATE AWARENESS QUESTIONNAIRE FOR SECONDARY TRAINEE TEACHERS’

SCORING

Structurally, the ‘CORONA MULTIVARIATE AWARENESS QUESTIONNAIRE FOR SECONDARY TRAINEE TEACHERS’ is framed with 50 questions. Each item has three alternative responses, namely Agree, Undecided, and Disagree. The respondents must select one of the three alternative responses for each item.

Score

A score of 3, 2, and 1 is given to the responses Agree, Undecided, and Disagree, respectively, for items. The corona multivariate awareness score of Secondary Trainee Teachers ranges between 0 and 60.

ESTABLISHING VALIDITY

To establish validity, the tool, was given to the experts to acquire their recommendations. Having received their opinion, and recommendations, the investigator, with the help of the guide, eliminated some of the items, and chose only 60 of the items as a finalized tool, and modified a few statements to suit the context of the study. Thus, validity of the study has been established.

ESTABLISHING RELIABILITY

To establish the reliability of the tool the investigator employed the test, retest method. The responses of the Secondary Trainee Teachers were carefully scored and tabulated and the coefficient of correlation between the two trials was calculated. The reliability co-efficient correlation was found to be 0.76. Thus, the reliability of the tool was established.

STATISTICAL TECHNIQUES USED

Statistical techniques are necessary to understand of the general trends and measures like mean and standard deviation are calculated for each variable. The t-test is calculated to determine the significant difference between the two means. ANOVA is calculated to determine the significant difference between more than two means variables, which are more than two. In the present investigation, the following statistical techniques are used.

ANALYSIS OF DATA

According to John W. Best (1997), “Statistics is a body of mathematical techniques or process for gathering, organizing, analyzing and interpreting numerical data. Statistics is a basic tool for measurement, evaluation and research. It is used to describe the numerical data that is gathered. Statistical data describe group behavior or group Characteristics abstracted from several individuals’ observations which are combined to make a generalization possible.”

NULLHYPOTHESIS:1

There is no significant difference in Corona multivariate awareness among Secondary Trainee Teachers concerning background variables in terms of, Gender, Locality, and Medium.

TABLE 1
SIGNIFICANT DIFFERENCE CORONA MULTIVARIATE AWARENESS AMONG
SECONDARY TRAINEE TEACHERS CONCERNING BACKGROUND VARIABLES IN TERMS OF,
GENDER, LOCALITY, AND MEDIUM.

Background variable		N	Mean	SD	Calculated ‘t’ value	Table value	Remarks at 5% level
Gender	Male	11	57.91	2.119	3.622	1.96	S
	Female	39	40.87	13.908			
Locality	Rural	66	48.64	10.662	3.214	1.96	S
	Urban,	52	89.94	35.75			
Medium	Tamil	12	48.92	15.779	0.983	1.96	NS
	English	95	45.12	12.201			

It is inferred from the above table that the calculated ‘t’ value is 3.622, Which is greater than the table value of 1.96 at 5% level of significance,. Hence null hypothesis is rejected. Thus, the result is that there is a significant difference between male and female Secondary Trainee Teachers in their Corona multivariate awareness. The mean of Male Trainee Teachers is (M=57.91), and female Trainee Teachers is (M=40.87) 88.96. So Female Trainee Teachers are better than male Trainee Teachers in their corona multivariate awareness.

It is inferred from the above table that the calculated value is 3.214, which is greater than the table value of 1.96 at 5% level of significance,. Hence null hypothesis is rejected. Thus, the result is that there is a significant difference between rural and urban, Secondary Trainee Teachers in their corona multivariate awareness. The mean of rural Trainee Teachers is (M=89.94) and rural Trainee Teachers is (M=48.64). So urban, Trainee Teachers are better than rural Trainee Teachers in their corona multivariate awareness.

It is inferred from the above table that the calculated ‘t’ value is 0.983, which is lesser than the table value of 1.96 at 5% level of significance,. Hence null hypothesis is accepted. Thus, the result is that there is no significant difference between Tami medium and English medium of Secondary Trainee Teachers in their corona multivariate awareness.

NULL HYPOTHESIS:2

There is no significant difference among the Secondary Trainee Teachers in their corona multivariate awareness concerning background variables in terms of discipline, mode of transport and father education.

TABLE 4

SIGNIFICANT DIFFERENCE AMONG THE SECONDARY TRAINEE TEACHERS IN THEIR CORONA MULTIVARIATE AWARENESS CONCERNING BACKGROUND VARIABLES IN TERMS OF DISCIPLINE, MODE OF TRANSPORT, AND FATHER EDUCATION

Background variables	Sources of variation	Sum of Squares	Degrees of freedom	Mean square variance	Calculated 'F' value	Table value at 5% level	Remarks at 5% level
Discipline	Between	569.557	4	142.389	0.885	3.03	NS
	Within	1576.783	98	160.896			
Father Education	Between	1498.453	2	749.226	4.965	3.03	S
	Within	1523.663	101	150.888			

(At a 5% level of significance, the table value of "F" is 3.03)

The calculated 'F' value is (0.085) is lesser than the table value is (3.03) at a 5% level of significance,. Hence the null hypothesis, "There is no significant difference among the Secondary Trainee Teachers in their corona multivariate awareness concerning background variables in terms of discipline." Was accepted. Hence "There is no significant difference among the Secondary Trainee Teachers in their corona multivariate awareness concerning background variables in terms of discipline."

The calculated 'F' value is (4.965) is greater than the table value is (3.03) at 5% level of significance,. Hence the null hypothesis, "There is no significant difference among the Secondary Trainee Teachers in their corona multivariate awareness concerning background variables in terms of father education." Was rejected. Hence "There is a significant difference among the Secondary Trainee Teachers in their corona multivariate awareness concerning background variables in terms of father education."

INTERPRETATIONS

The result is a significant difference between male and female Secondary Trainee Teachers in their Corona multivariate awareness. The mean of male Trainee Teachers is (M=57.91), and female Trainee Teachers is (M=40.87) 88.96. So Female Trainee Teachers are better than Male Trainee Teachers in their corona multivariate awareness.

The result is that there is a significant difference between rural, and urban, Secondary Trainee Teachers in their corona multivariate awareness. The mean of rural Trainee Teachers is(M=89.94) and rural Trainee Teachers is (M=48.64). So urban, Trainee Teachers are better than rural Trainee Teachers in their corona multivariate awareness.

There is a significant difference among the Secondary Trainee Teachers in their corona multivariate awareness concerning background variables regarding father education.

RECOMMENDATIONS

1. Corona multivariate awareness, in the curriculum, could be given at least at the B.Ed. Level.
2. Schools/colleges should be a micro-society where there should be the whole exercise of Corona multivariate awareness, and the institutions should provide ways and means to implement, and practice Corona multivariate awareness.
3. Textbook contents should have relevant local literature, art, culture, history, and Environmental science ,etc. Trainee Teachers need not put themselves in a strange world. There should be an adequate number of their common illness, and their precautions.
4. The Government should insist people, repeatedly, to Make sure the mask covers our entire face, including our nose, mouth, and chin, clean our hands before putting on our show, before and after removing it, and every time we contact it. When we release our cover, store it in a clean plastic bag and wash it if it's a fabric

show or throws it away if it's a medical mask every day. Masks with valves should not be used. Avoid the 3Cs: closed, crowded, or close-contact environments, meet people, on the street; outdoor meetings are safer than interior parties, especially if the indoor area is small and there is no access to fresh air. If we can't avoid being in a crowded or enclosed environment, When we are indoors, open a window to get more natural airflow and wear a mask, clean our hands with soap and water, or an alcohol-based hand massager regularly. This kills any germs, including viruses that may be on our hands. When we cough or sneeze, cover our mouth and nose with our bent elbow or a tissue. Immediately dispose of the used tissue in a closed bin and wash hands. Surfaces frequently handled, such as door knobs, faucets, and phone screens, should be cleaned and disinfected regularly.

5. Education is the tool to change the attitude of some people who ignore corona multi-variant. Therefore, corona multi-variant should be included in the curriculum. A single organization like. Teachers need to be trained. As the inclusion of environment science, fundamental knowledge of corona multi-variant in the curriculum had a significant effect upon the Trainee Teachers along with teacher knowledge. The contents from the textbooks need analysis for awareness of corona, multi-variant.
6. For the above teachers' training on corona multi-variant is crucial. Teachers pre-service and in-service training on corona multi-variant understanding should be activated not alone to impart corona multivariate awareness, but also to build a robust human attitude and action. Provisions should be available to promote corona multi-variant awareness for teachers.
7. This could be done by offering distance mode courses on corona multi-variant awareness education. The teachers, who undertake studies and keep updating themselves, should be motivated through proper means. Observation of international and national science days and environmental protection days in schools/colleges should be mandatory to promote awareness and compliance.

RECOMMENDATIONS FOR FURTHER RESEARCH

Following are a few areas of research related to the present investigation which deserve exploration.

1. Studies need to be conducted to answer the following questions: media found less useful sources for female than male.
2. The contents and illustrations in the textbooks promote corona multi-variant awareness.
3. The ways to coordinate the textbook contents and make space available for the inclusion of contents related to corona multi-variant awareness.
4. A full-scale, extensive study could be conducted to assess the knowledge, attitude, and values of teachers about corona multi-variant awareness education.
5. The practical implementation of internally assessed subjects at the primary, secondary, and tertiary level so school education could be conducted.

CONCLUSION

The government, both state and general take necessary action against Covid multivariate; as a human, we have some social responsibilities to join together to help the Government because we are struggling in our life with this kind of disease. As a citizen of the world, we have to eradicate this one not only from our home but also from this universe "All men are born free but everywhere they are in chains." All human beings by nature, love peace. Peace makes the advancement of civilization possible." The foundation of peace demonstrates our commitment to human dignity, the promotion of an adequate standard of life for everyone and finally the promotion of world peace and prosperity for all. Fundamental health-related freedom to all without distinction of creed, race, caste, and gender, economic or political awareness is also needed to guide everyone. We have to do something for the people, by the people, and of the people.

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