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### A STUDY ON KNOWLEDGE OF COMMUNICABLE DISEASES AND ITS RELATION WITH ENVIRONMENTAL AWARENESS ABILITY

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#### ABSTRACT

**T**he main goal of this paper is to find out about the relationship between knowledge of communicable diseases and environmental awareness ability of higher secondary students. Normative survey method has been used and by using simple random sampling



**Communicable Disease**

technique 800 higher secondary students were selected from Ramanatha Puram educational district. Gathered data was analyzed by using the statistical techniques. The results show that the higher secondary students shows average level of communicable diseases knowledge and environmental

awareness ability. There is significant positive relationship between knowledge of communicable diseases and environmental awareness ability of higher secondary students.

**KEYWORDS** : Knowledge of Communicable diseases, Environmental awareness ability, Normative survey method, Random sampling technique, etc.

#### INTRODUCTION

The double burden of communicable diseases is an increasing trend in low- and-middle income developing countries. Rural and minority populations are underserved and likely to be affected severely by these burdens. Knowledge among young people could provide immunity to such diseases within a community in the long term. In this study we aimed to assess the knowledge of several highly prevalent communicable diseases and moreover environmental awareness ability is the influencing factor of knowledge of communicable diseases among higher secondary students in a Ramanatha Puram district in Tamil Nadu.

**NEED AND IMPORTANCE OF THE STUDY:**

The role of research assistants is thus ever more important. Encouraging and motivating students' research activity can fill up the void of physician and scientists and help developing countries to achieve self-reliance in health care and research. Developing countries like India now faces several diseases and which threaten the economic level and people of the country among these Communicable diseases is a main one. Communicable diseases are also known as infectious diseases. They spread from one person to another, that is, a healthy person may catch it from a patient. The new trends in health education focus on acquisition of skills, knowledge and attitudes rather than factual learning. The investigator selected variable which is closely related to Communicable diseases namely Environmental Awareness Ability because; the students who are having good level of Environmental Awareness Ability may have desired level of Knowledge of Communicable Diseases. Hence, there is the need therefore for research position on this study. It is on this note that the present study seeks to investigate "A Study on Knowledge of communicable diseases and its relation with Environmental awareness ability"

**OBJECTIVES:**

- 1.To study the level of Knowledge of communicable diseases of higher secondary students,
- 2.To study level of Environmental awareness ability of higher secondary students ,
- 3.To study if there is any significant relationship between Knowledge of communicable diseases and Environmental awareness ability of higher secondary students.

**HYPOTHESES:**

- 1.The level of knowledge of Communicable diseases among higher secondary students is low.
- 2.The level of Environmental awareness ability among higher secondary students is low.
- 3.There is no significant relationship between the knowledge of Communicable diseases and Environmental awareness ability of higher secondary students.

**TOOLS USED FOR THE PRESENT STUDY:**

- + Knowledge of communicable diseases scale constructed and validated by the investigator.
- + Environmental awareness ability test by

**METHOD AND SAMPLE OF THE STUDY:**

Normative survey method was used in the present study and Random sampling technique was used in the selection of sample of as many as 800 higher secondary students from Ramanatha Puram educational district.

**HYPOTHESES TESTING NO: 1**

The level of knowledge of Communicable diseases among higher secondary students is low.

**Table -1**  
**Mean and Standard Deviation of Knowledge of Communicable Diseases**

Variable	N	Mean	S.D
Knowledge of Communicable diseases	800	25.42	4.20

### Interpretation

The hypothesis No.1 is analyzed in the light of the mean scores for the total group. The means score for the present study is found to be 25.42 which is laid in between the scores of 21.22 to 29.62. Therefore, it can be concluded that the higher secondary students have average level of knowledge of Communicable diseases.

### HYPOTHESES TESTING NO: 2

The level of Environmental awareness ability among higher secondary students is low.

**Table - 2**  
**Mean and Standard Deviation of Environmental Awareness Ability**

Variable	N	Mean	S.D
Environmental awareness ability	800	32.65	5.33

### Interpretation

The hypothesis No. 2 is analyzed in the light of the mean scores for the total group. The mean score for the present study is found to be 32.65 which is laid in between the scores of 16 and 36. Therefore, it can be concluded that the higher secondary students have average level of Environmental awareness ability.

### HYPOTHESES TESTING NO: 3

There is no significant relationship between the knowledge of Communicable diseases and Environmental awareness ability of higher secondary students.

**Table - 3**  
**Relationship between Knowledge of Communicable Diseases and Environmental Awareness Ability**

Knowledge of Communicable diseases and Environmental awareness ability	Correlation value 'r'	Level of significance at 0.05 level
	0.50	Significant

### Interpretation

The 'r' value is found to be 0.50 and it is positive and significant. Hence, the hypothesis No.3 is rejected. It is concluded that there is significant relationship between the knowledge of Communicable

diseases and Environmental awareness ability of higher secondary students.

### FINDINGS:

The following are the important findings obtained from the present investigation.

- + The level of knowledge of Communicable diseases among higher secondary students is average.
- + The level of Environmental awareness ability among higher secondary students is average.
- + There is significant positive relationship between the knowledge of Communicable diseases and Environmental awareness ability of higher secondary students.

### CONCLUSION:

The present investigation aimed at to measure the higher secondary students' knowledge of Communicable diseases, Environmental awareness ability and also find the relationship between knowledge of Communicable diseases, Environmental awareness ability. The findings of the study revealed that level of knowledge of Communicable diseases, Environmental awareness ability among higher secondary students is average. There is a significant positive relationship between the knowledge of Communicable diseases and Environmental awareness ability among higher secondary students. So, the educationists and policy makers should take care to impart new knowledge of communicable diseases as well as environmental awareness is also to be developed among them.

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