



“Awareness Regarding Climate Changes Among General Population”

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Abstract: In this solar system the earth is the sole planet which provides life, few unique atmospheric situations are responsible to provide life on earth like rich oxygen, water, atmosphere and a convenient or pleasant surface temperature that is why complex process of evolution took place on earth only. The two planets Mercury and Venus that are situated between sun and earth are not supportive to life. That is why because mercury has no atmosphere while temperature at night may reach to -140 degree Celsius. Data, reports, rationalization, and effects show that temperature change as pollutions is a very important and major issue in today's world. Temperature change is directly concerning and/or several times alternate words used for warming. It's the phrase that's explained as a gradual raise within the mean temperature of the earth's atmosphere and its oceans. This alteration is meant to be evermore modifying the earth's climate. Warming could also be outlined as “The slow heating of the earth's surface, atmosphere moreover as the ocean”. Considering all this it is very important to have an awareness regarding climate change among all the general population so as take necessary and corrective actions towards it. Additionally, the study also focuses to find the association between the awareness of climate change with chosen demographic variables.

Methodology: Non-Experimental Descriptive Research approach selected to assess the awareness of Climate Changes among general population of selected area in Pune City. Sample was selected on the basis geographical accessibility, cooperation, and availability. 100 samples, selected by using purposive Sampling Technique who met the inclusion criteria.

Result: Analysis asserts that about 3% of total population have shown poor awareness, 22% of population had average awareness and 75% of the population has shown good awareness regarding Climate Change.

Conclusion: The current study concludes that the general population has 75% of sound awareness regarding climate change and rest had averages awareness about the Climate Change

Key Word: Assess, climate change

Introduction and Background: Our atmosphere is holding the vital role of preserving life supporting conditions on earth, in the resulting way every day, energy from the sun (generally in the detectable piece of the range yet also some in bright and infra-red parts) is consumed by the land, oceans, mountains and so on. All these energies should be captivated throughout the earth would steadily become hotter. But genuinely the earth both absorbs and simultaneously discharges it in the form of infrared red waves. So much rising intensity isn't lost to space however is part of the way charmed by certain gases present in a tiny sum in the climate called ozone depleting substances (GHGs). With the inception of Industrial transformation human exercises have added tremendous amounts of GHGs to the air, consequently between 1750 and 2000 the amount of CO₂, methane and nitrous oxide have grown by about 31% 15% and 17% correspondingly. Augmentation in the level of GHGs could direct to warming, therefore, it could have an adverse influence on the world's environment prompting the disagreeable occurrence known as environmental change. Weather modification at any extended term consider as change in "average weather" that a given area experiences. Standard weather comprises average temperature, precipitation and wind patterns. It changes the unpredictability, average situation of the environment over terms going from a very long time to a long period of time, these progressions can be brought about by dynamic movement on the planet, outer powers remembering inconsistencies for daylight power, and further as of late by human exercises.

Global warming awareness in general public has become the need of the hour. It is only through boosting up this aspect we can entice and lure the young students to work on the issues pertaining to environmental protection and make this earth a more wonderful place to live in. Today we find that "Earth", our ever-cherished habitation is endangered with global environmental problems like environmental pollution, population explosion, degrading human health, deforestation, global warming, extinction of species, depletion of vital natural resources etc. In order to solve these problems fruitfully there is a need for "Environmental Awareness", which has in fact become a matter of global concern. It is the duty of each and every individual to confer attention to it and work for the cause of environmental protection and conservation by economizing resources and controlling pollution. Today the principal obstacle of assurance of climate in India is that there is absence of logical information and the will to act. In such position society should be persuaded about the significance of climate. It is a high time for mankind to realize the fact of changing environment and determine their future. Otherwise, a day will come when the mother Earth will no more suitable for living being. Students being the future grown-ups and responsible citizens of tomorrow ought to be made aware and concentrated about change in environment, thereby reducing the global warming.

The study aims to assess the awareness of Climate Changes among general population of selected area in Pune City also to find out the association between the awareness regarding Climate Change with selected demographic variables.

Objectives

1. To assess the awareness about climate change among general population
2. To find out the association between awareness of climate changes with selected demographic variables

Methodology

Research Design: Researcher applied Non-Experimental Descriptive Survey. The study conducted on general population.

Sampling techniques: Non-probability convenient sampling technique adopted for selecting samples based on inclusion criteria

Sample: 100 People; ready to participate and meeting with inclusion criteria. The participants were informed about the research study.

Tools of data collection: Structured-questionnaire to assess the awareness of Climate Changes among general population. It is divided in two sections: **Section I:** Comprises items related to demographic variables. **Section II:** Consists 20 questions to assess the awareness of Climate Changes among general population based on climate changes, its causes and Remedial measures

Validity & Reliability of tools: Tool validation was done by 7 experts and the reliability is calculated through Cronbach's Alpha coefficient test and the value obtained is $r=0.86$.

Findings:

The analysis and interpretation of the research is to assess the awareness of Climate Changes among general population. It focuses on

1. To assess the awareness about climate change among general population
2. To find out the association between awareness of climate change with selected demographic variables

The result comprised of IV Sections

Section I- Representation of demographic variables

Section II- Description of awareness regarding Climate Change.

Section III: Shows Association of demographic variables with climate change among general population.

Section I: Demographic Details

n=100

Sr. No	Demographic variables		Frequency	Percentage
1.	Age	20 -30 years	79	79 %
		31 -40 years	14	14 %
		41 -50 years	6	6 %
		51 years and above	1	1 %
2	Gender	Male	38	38 %
		Female	62	62 %
		Other	00	00
3	Education	Primary Schooling	3	3 %
		Diploma	5	5 %
		Graduate	63	63 %
		Post-Graduate and above	29	29 %
4	Occupation	Farming	00	00
		Self employed	32	32 %
		Private sector	56	56 %
		Government Sector	12	12 %
5	Area of Living	Urban	78	78 %
		Rural	22	22 %
6	Source of information about Climate Change	Television	15	15 %
		Radio	00	00
		Newspaper	8	8 %
		Internet	65	65 %
		Self-Known	12	12 %

Table 1: Describes demographic details related to assessment of the awareness of Climate Changes among general population.

Section II: Description of awareness regarding Climate Change.

Sr. No.	Score	Level of Awareness	Percentage
1	0 to 6	Poor Awareness	3%
2	7 to 12	Average Awareness	22%
3	13 to 20	Good Awareness	75%

Table 1: Describes awareness regarding Climate Change..**Section III:** Shows Association of demographic variables with climate change among general population.

Sr. No.	Demographic Variables	Calculated Value	Tabulated Value	Degree Of Freedom	Significance
1.	Age * Lifestyle Implication	1.667	7.81	3	NS
2.	Gender * Lifestyle Implication	0.278	3.84	1	NS
3.	Education * Lifestyle Implication	1.667	7.81	3	NS
4.	Occupation* Lifestyle Implication	1.667	7.81	3	NS
5.	Comorbidity* Lifestyle Implication	4.444	5.99	2	NS
6.	Family History of Comorbidity * Lifestyle Implication	1.667	3.84	1	NS
7.	Area of admission * Lifestyle Implication	0.278	3.84	1	NS
8.	Post COVID Period * Lifestyle Implication	1.667	3.84	1	NS

Table.1 – Describes the association between awareness regarding climate and selected demographic variables.

Discussion

The study focused on assessing the Climate Changes among general population of selected area in Pune City. The data was obtained from the participants and analysis was done to interpret the result.

Findings related to demographic data of the samples

Table 1: In this descriptive research study, the samples consist of 100 people of general population of Pune city in which the demographic findings include as follows: 79 % of the population was having age 20 years -30 years, 14 % of them having 31 years -40 years of age, 6 % of them were having age 41 years -50 years and 1 % of them were 51 years and above. 38% of them were males and 62% of them were females. 3% people completed their primary schooling, 5% did diploma, 63% of them were graduates and 29% of them were post graduates. 32% of people were self-employed, 56% of population works in private sector and 12% works in government sector. 78% of people lives in urban areas and 22% lives in rural areas. 15% of population were having Source of information about Climate Changes through television, 8% got the information through Newspaper, 65 % of them got it from Internet and 12% of them were Self-Known

Findings related to the awareness about climate change among general population

Table 2: In this descriptive research study, the samples consist of 100 people of general population of Pune city in which the findings related to the awareness about climate change among general population of Pune City as follows. 3% of the population obtained score in between 0 to 6 which signifies Poor Awareness regarding climate changes. 22% obtained score in between 7-12 which indicates Average Awareness regarding climate changes 75% of the population obtained score of 13 to 20 which indicates Good Awareness regarding the climate changes.

Findings related to the association between awareness of climate change and selected demographic variables

In this descriptive research study, the samples consist of 100 people of general population of Pune city in which the findings related to the association between awareness about climate change and selected demographic variables through structured questionnaire.

All the tabulated values corresponding to Age, Gender, education, occupation, area of living and Source of information about Climate Change are less (less than tabulated p-values 0.05), none of the demographic variable was found to have significant association with the awareness of climate changes and selected demographic variables.

Conclusion

The result of the study indicates that questionnaire was an efficacious strategy in assessing the awareness regarding the climate changes among general population. The aim of the study is to assess the awareness among general population regarding the climate changes. The result signifies that 75% of the population were having good awareness regarding the climate changes where as 22% have average awareness and 3% were having poor awareness. Through the results it has been concludes that the people were having good awareness about the climatic changes.

Conflict of Interest- Nil

Source of Funding- Nil

Ethical Clearance: Ethical clearance was obtained from ethical committee of Symbiosis College of Nursing. Participants were informed about the research study and consent was taken. Informed consent was taken.

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