

“A descriptive study to assess the cognizance regarding Ergonomics on physical discomfort among peoples”

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Abstract-

The current study has been undertaken to assess the pre-test Knowledge score regarding ergonomics on physical discomfort among peoples in Khudel, Indore. The research design used for study was descriptive in nature. The tool for study was self-structured knowledge questionnaire which consists of 2 parts-PART- I consisted questions related to Socio-demographic data; PART-II consisted of self -structured knowledge questionnaire to assess the pre-test knowledge score regarding ergonomics on physical discomfort among peoples. The data was analyzed by using descriptive & inferential statistical methods. The most significant finding was that 80.0% subjects have poor knowledge, 20.0% have average knowledge score while 0.0% peoples were having good knowledge score.

Keyword- Ergonomics on physical discomfort and peoples.

I. Introduction

Health is the level of functional or metabolic efficiency of a living organism. In humans, it is the general condition of a person's mind and body, usually meaning to be free from illness, injury or pain (as in good health). The World Health Organization defined health in its broader sense in 1946 as a state of complete physical, mental, and social well-being and not merely the absence of disease or infirmity. Although this definition has been subject to controversy, in particular as lacking operational value and because of the problem created by use of the word "complete," it remains the most enduring. Other definitions have been proposed, among which a recent definition that correlates health and personal satisfaction. Classification systems such as the World Health Organization's Family of International Classifications, including the International Classification of Functioning, Disability and Health and the International Classification of Diseases, are commonly used to define and measure the components of health. Ergonomics may help prevent musculoskeletal injuries at work. Examples of such injuries include lower back pain and carpal tunnel syndrome. Office ergonomics places a special focus on making the workplace conducive to a pain-free place. This is done through setting up employee workstations properly.

II. Objective of the study

1. To assess the knowledge scores regarding ergonomics on physical discomfort among peoples.
2. To find out association between knowledge score regarding ergonomics on physical discomfort among peoples with their selected demographic variables.

III. Hypotheses:

RH₀: There will be no significant association between knowledge score on ergonomics on physical discomfort among peoples with their selected demographic variables.

RH₁: There will be significant association between knowledge score on ergonomics on physical discomfort among peoples with their selected demographic variables.

IV. Methodology

A descriptive research design was used to assess the knowledge score regarding ergonomics on physical discomfort among peoples residing in Khudel, Indore. The study was carried out on 30 peoples selected by convenience sampling technique. Demographical variable and self-structured 30 knowledge questionnaire were used to assess the Knowledge score regarding ergonomics on physical discomfort by survey method.

V. Analysis and interpretation

SECTION-I Table -1 Frequency & percentage distribution of samples according to their demographic variables.

n = 30

S. No	Demographic Variables	Frequency	Percentage
1	Age in Years		
a.	Less than 20	23	76.7
b.	Greater than 20	7	23.3
2	Living area		
a.	Rural	22	73.3
b.	Urban	8	26.7
3	Educational qualification		
a.	Primary	1	3.3
b.	Higher secondary	15	50.0
c.	Graduate & above	14	46.7
4.	Previous knowledge regarding ergonomics on physical discomfort		
a.	Yes	4	13.3
b.	No	26	86.7
5.	Types of family		
a.	Nuclear	20	66.7
b.	Joint	10	33.3
c.	extended	0	0

SECTION-II- Table- 2.1.1- Frequency and percentage distribution of knowledge score of studied subjects:

Category and test Score	Frequency (N=30)	Frequency Percentage (%)
POOR (1-10)	24	80.0
AVERAGE (11-20)	6	20.0
GOOD (21-30)	0	0.0
TOTAL	30	100.0

The present table 2.1.1 concerned with the existing knowledge regarding ergonomics on physical discomfort among peoples were shown by knowledge score and it is observed that most of the peoples 24 (80.0%) were poor (01-10) knowledge, 6 (20.0%) were have average (11-20) knowledge score and rest of the peoples have 0 (0.0%) were from good (21-30) category.

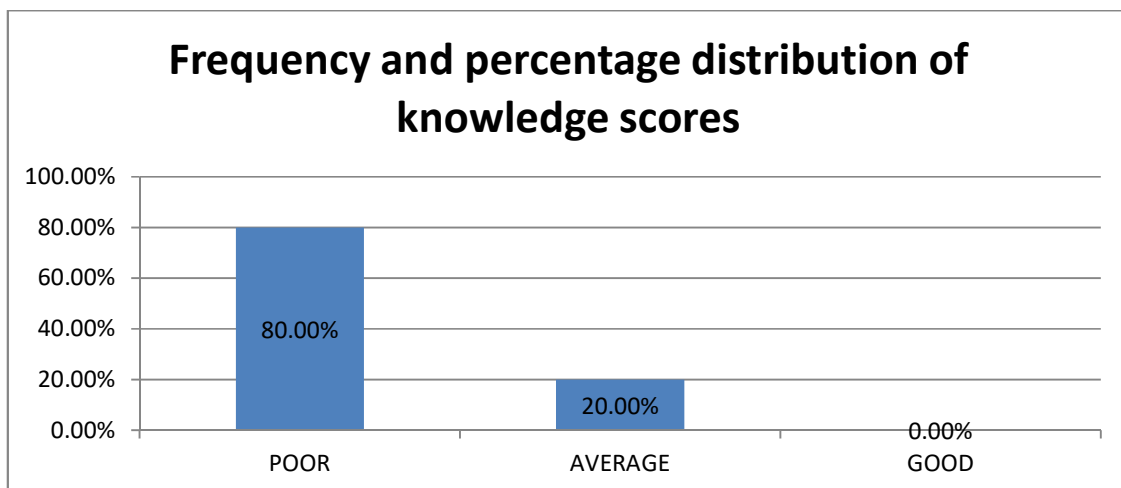


FIG.-2.1.1- Frequency and percentage distribution of Knowledge score of studied subjects

Table-2.1.2. - Mean (\bar{X}) and standard Deviation (s) of knowledge scores:

Knowledge	Mean	Std Dev
Pre –test	(\bar{X})	(S)
Pre-test score	8.77	2.08

The information regarding mean, percentage of mean and standard deviation of test scores in shown in table 2.1.2 knowledge in mean knowledge score was 8.77 ± 2.08 while in knowledge regarding ergonomics on

physical discomfort among peoples in Khudel, Indore.

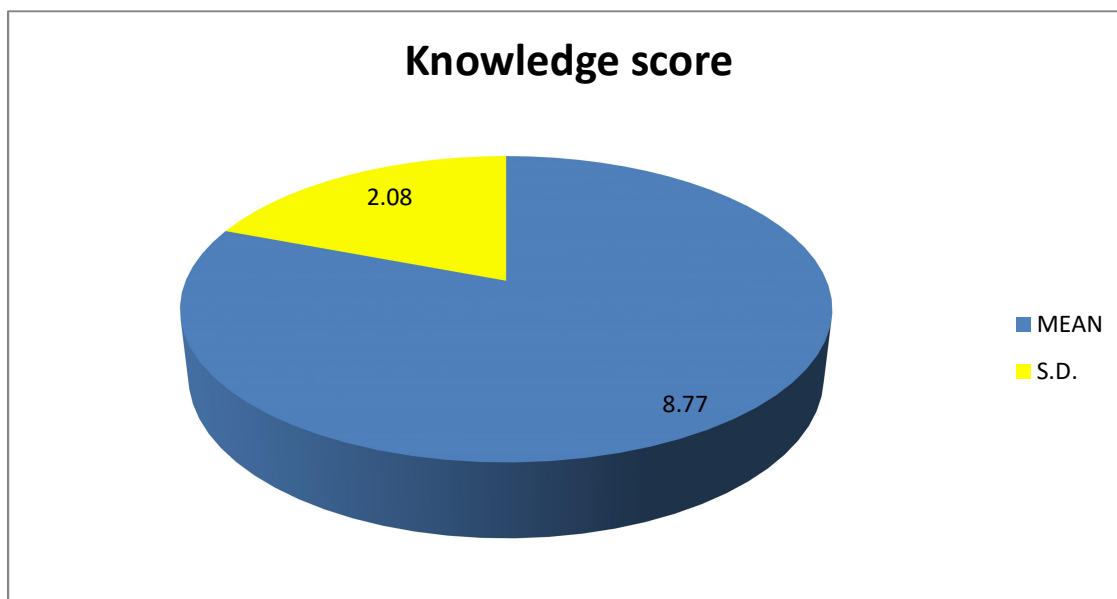


Figure no.-1 Mean and SD of knowledge score of peoples.

SECTION-III Association of knowledge scores between test and selected demographic variables:**Table- 3.1 Association of age of peoples with knowledge score:**

Age	Test scores			Total
(In years)	POOR (1-10)	AVERAGE (11-20)	GOOD (21-30)	
Less than 21	18	5	0	23
Greater than 21	6	1	0	7
Total	24	6	0	30
X= 0.18 p>0.05 (Insignificant)				

The association of age & test scores is shown in present table 3.1. The probability value for Chi-Square test is 0.18 for 1 DF which indicated insignificant value (p>0.05). Hence, it is identified that there is insignificant association between age & test scores. Moreover, it is reflected that age isn't influenced with current problem.

Table- 3.2 Association of living area with knowledge score:

Living area	Test scores			Total
	POOR (1-10)	AVERAGE (11-20)	GOOD (21-30)	
Rural	17	5	0	22
Urban	7	1	0	8
Total	24	6	0	30
X= 0.38 p>0.05 (significant)				

The association of living area & test scores is shown in present table 3.2. The probability value for Chi-Square test is 0.38 for 1 df which indicated living area & test scores. Moreover, it is reflected that living area is influenced with current problem.

IX. Reference

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