
A STUDY TO ASSESS THE KNOWLEDGE ON SWATCH BHARAT AMONG ADULTS IN VAVILLA, NELLORE.



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ABSTRACT: Swatch Bharat was launched by Prime Minister Narendra Modi on 2nd October 2014 at Rajghat New Delhi with an aim to make clean India to provide sanitation facilities to every family including toilets, solid and liquid waste disposal system, village cleanliness and safe and adequate drinking water supply by 2nd October 2019. The campaign of clean India movement is the biggest step taken over as a cleanliness drive till date, on the day of launch of campaign around 3 million government employees including students from schools and colleges participated in the event to make it popularize globally and make common public aware of it. **Objectives:** To assess the level of knowledge on Swatch Bharat among adults in Vavilla, Nellore. To find out the association between the level of knowledge on Swatch Bharat among adults with their selected socio-demographic variables. **Methodology:** The settings selected for the present study were conducted in Vavilla at Nellore. This is located in a rural area and 26 kilometers away from Nellore town. The total population 2562, males are 1351 and females are 1211, living in 810 houses. The total area in Vavilla is 458 hectares. Facilities are present like transport facilities, high school, water facilities, toilet facilities are not available, one primary health centre in Vavilla. The data collection procedure was carried out after obtaining formal written permission from the principal, Narayana College of Nursing and medical officer of PHC, Vavilla, Nellore. The data collection procedure was conducted from 04-04-2019 to 09-04-2019, 50 samples were selected by using non-probability convenience sampling technique. The nature and purpose of the study were explained, confidentiality of information was assured by taking informed consent from the adults. Minimum of 8-9 samples per day were selected. The duration of data collection was 1 week. It took 20 minutes to complete the questionnaire for each sample. The structured questionnaire was administered to assess the knowledge on Swatch Bharat among adults in Vavilla, Nellore. The analyzed data was presented in the form of figures and tables. **Result:** With regards to level of knowledge regarding Swatch Bharat, 5 (10%) scored 'B' grade, 16 (32%) awarded C grade and 29 (58%) had D grade knowledge and the mean value among adults was 16.38 and the standard deviation was 2.70185. There is no significant association between age, gender, marital status, religion, occupation, types of family, monthly income, and education. **Conclusion:** The present study results show that majority is 29 (58%) had D grade. Majority of adults had poor knowledge on Swatch Bharat. Hence, adults need to learn and update their knowledge on Swatch Bharat through participating in various programs. **Key words:** Assess, knowledge, study, and Swatch Bharat, adult.



Introduction: Swatch Bharath was launched by Prime Minister Narendra Modi on 2nd October 2014 at Rajghat New Delhi with an aim to make clean India to provide Sanitation facilities to every family. Including toilets, solid and liquid waste disposal system, village cleanliness and safe and adequate drinking water supply by 2nd October 2019. The campaign of clean India movement is the biggest step taken over as a cleanliness drive till date, on the day of launch of campaigns around 3 million government employee including student from schools and colleges had participated the event to make it popularize globally and makes common public aware of it. This event was flagged off by the Indian President Pranab Mukarjee.

Need for study:

The Government appointed CPWD with the responsibility to dispose of waste from Government offices. The Ministry of Railways planned to have the facility of cleaning on demand, clean bed-rolls from automatic laundries, bio-toilets, dustbins in all non-AC coaches. The Centre will use its Digital India project in conjunction with the Swatch Bharat to have solar-powered dustbins, which send alerts to sanitation crew once they are full. The Swatch Bharat Swatch Vidhaleya campaign was launched by the Minister of Human Resource Development, Government of India by participating in the cleanliness drive along with the school's teachers and students. The government has constructed 86 million toilets since 2014, reducing the number of persons who openly defecate from 550 million to fewer than 150 million in 2018.

Statement of the Problems:

A study to assess the knowledge on swatch bharat among adults in vavilla, nellore.

Objectives:

❖ To assess the level of knowledge regarding swatch bharat among adults in vavilla.

❖ To find out the association between the level of knowledge on swatch bharat with their selected socio demographic variables.

Operational definition:

Assess: The critical analysis and valuation and judgment of the status or quality of a particular condition situations or other subject of the appraises.

Knowledge: It is defined as knowing a fact or about a subject.

Study: It is defined as a detached investigation and analysis of a subject or situations.

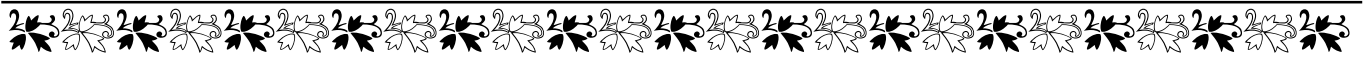
Swatch Bharat: Swatch Bharat: English, clean India mission and abbreviated as for “Swatch bharat mission” is a national campaign by the government of India, covering 4,041 statutory cities and town to clean the streets, roads and infrastructure of the country.

Adult: It is defined as a person who has attained maturity a grown up.

Methodology: This chapter deals with the methodology adopted for the present study that is a study to assess the knowledge regarding swatch bharat among adults in the Vavilla at Nellore district. This chapter deals with the research approach, research design, variables accessible population, target population, sample, sample size, sampling techniques, inclusion criteria, development of description of tools, content validity, reliability, pilot study, procedure for data collection and plan for data analysis.

Research Approach: A quantitative research approach will be adopted to determine knowledge regarding swatch bharat among adults in Vavilla.

Research Design: Cross sectional descriptive design will be adopted to assess the knowledge regarding swatch bharat among adults in Vavilla at Nellore.



Setting of the Study: The setting selected for the present study was conducted in Vavilla at Nellore. This is located in rural area and 26 kilometers away from Nellore town. The total population 2562 male are 1351 and female are 1211 are living in 810 houses. The total area in Vavilla 458 hectares. Facilities are present like transport facilities, high school, water facilities, toilet facilities are not available, one primary health centre in Vavilla.

Target population: The target population for the present study includes all adults.

Accessible population: The accessible population of the study comprised of adults in the Vavilla at Nellore.

Sample: The sample for the present study includes adults in the Vavilla at Nellore district, who fulfill inclusion criteria.

Sample Size: The sample size selected for the study will be 50 samples.

Sample Techniques: Non probability convenience sampling technique will be adopted based on inclusion criteria.

Criteria for Sample Selection:

Inclusion criteria: Adults who are

- ❖ Age between 20-60 years.
- ❖ Available during data collection period and willing to participate in the study.
- ❖ Living in Vavilla, Nellore.

Exclusion Criteria: Adults who are

- ❖ Not available at the time of data collection and not willing to participate

Development and Description of the Tool: With the help of extensive review from text books, nursing experts, journals and website. The tools are developed to assess the knowledge regarding Swatch Bharat among adults in the Vavilla village at Nellore district. The tool consists of two parts.

Part - A: Demographic variables such as age, gender, religion, education, occupation, family income, marital status, types of family

Part - B: It consists of structured questionnaire to determine the knowledge regarding Swatch Bharat among adults in Vavilla, Nellore.

Score Interpretation: The tool consists of 36 questions each correct answer awarded by '1' and wrong answers scored as '0' based on the total score. The knowledge level was categorized as follows.

Grade	Score	Percentage (%)
A+	33-36	91-100
A	29-32	81-90
B+	26-28	71-80
B	22-25	61-70
C	18-21	50-60
D	<18	<50

Content Validity: The content validity will be obtained from experts in nursing department based on experts opinion the tool was modified.

Reliability:

The reliability of the tool will be split half method by using Karl Pearson's correlation coefficient and 'r' value is 0.9. $R = 2r / 1 + r$

Pilot study: The pilot study was conducted in Vavilla, Nellore. After obtaining formal permission from the Principal Narayana College of Nursing and medical officer of Vavilla, Nellore. The study was conducted from 04/04/2019 to 09/04/2019. Five samples were selected by using non-probability convenience sampling techniques. Nature and purpose of the study was explained confidentially of information was assured by taking informed consent from adults. Structured questionnaire was administered to assess the knowledge on Swatch Bharat among adults. It took 20 minutes the questionnaire for each sample. The statistical analysis was done by using descriptive and inferential statistics. The pilot study that tool was reliable and feasible for conducting main study.

Data Collection Procedure:

The data collection procedure carried out after obtaining formal written permission from the principal, Narayana College of Nursing and Medical Officer of



PHC, Vavilla, Nellore. The data collection procedure was conducted from 04-04-2019 to 09-04-2019, 50 samples were selected by using non-probability convenience sampling technique. The nature purpose of the study was explained, confidentiality of information was assured by taking informed consent from the adults. Minimum of 8-9 samples per day was selected. The duration of data collection was 1 week. It looks 20 minutes to complete the questionnaire for each sample. The structured questionnaire was administrated to assess the knowledge on Swatch Bharat among adults in vavilla Nellore. The analyzed data was presented in the form of figures and tables.

Frequency and Percentage distribution of knowledge of adult regarding Swatch Bharath (n=50)

Level of Knowledge	Frequency (F)	Percentage (%)
A+	-	-
A	-	-
B	5	10
C	16	32
D	29	58
Total	50	100

Table No.1 shows with regard to knowledge on adult 0(0%) has A+, 0(0%) A grade, 5(10%) B grade, 16(32%) C and 29(58%) D grade.

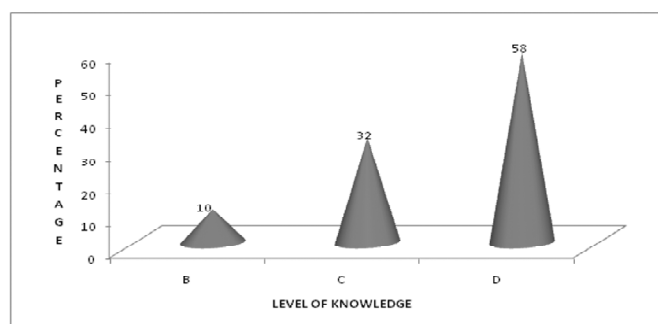


Fig. No 1 Percentage distribution of adult based on level of knowledge

Section - III

Table No: 2 Mean and Standard Deviation of knowledge among adults. N (50)

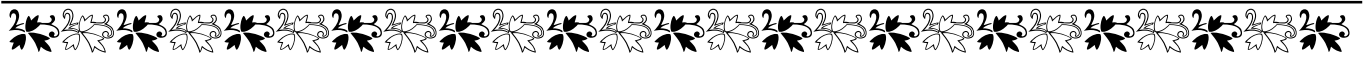
Category	Mean	SD
Swatch Bharath among adults	16.38	2.70185

Table No.2 The mean is 14.8 and standard deviation is 4.5 for the level of knowledge regarding non communicable disease among adults.

SECTION – 3

Table No.3: Association between levels of knowledge on swatch bharat among adults with their socio demographic variables.

Demographic Variables	B		C		D		Chi-Square
	F	%	F	%	F	%	
Age							
a.18-24 years	1	2	7	14	7	14	CV=5.678
b.25-30 years	1	2	5	10	8	16	Tv=12.59
c.31-35years	1	2	1	2	9	18	Df=6
d.>35 years	2	4	3	3	5	10	P=0.05; NS
Gender							
a. Male	3	6	12	24	21	42	Cv=0.749
b. Female	2	4	4	8	8	16	Tv=5.99
							Df=2
							P=0.05;NS
Marital Status							
a. Married	4	8	6	12	22	44	Cv=10.047
b. Unmarried	1	2	7	14	5	5	Tv=12.59
c. Divorced	-	-	3	6	1	1	df=6
d. Widow	-	-	-	-	1	1	P=0.05NS
Religion							
a. Hindu	4	8	9	18	19	38	Cv=5.56
b. Muslim	1	2	5	10	9	18	Tv=12.59
c. Christian	-	-	2	4	-	-	df=6
d. Others	-	-	-	-	1	2	P=0.05NS
Occupation							
a. Govt. Emp	1	2	2	4	5	10	Cv=3.791
b. Private Emp	1	2	4	8	8	16	Tv=12.59
c. Self Employee	2	4	2	4	3	6	df=6
d. Daily wages labor	1	2	8	16	13	26	P=0.05
							NS
Type of Family							
a. Nuclear Family	1	2	6	12	12	24	Cv=3.528
b. Joint Family	2	4	6	12	14	28	Tv=9.49
c. Extended Family	2	4	4	8	3	6	df=4
							P=0.05; NS
Family Monthly Income							
a. Rs.<5000/-	1	2	3	6	8	16	Cv=6.878
b.Rs.5000-10,000/-	2	4	5	10	6	12	Tv=12.59
c.Rs.10,000,20,000/-	2	8	16	8	16	16	df=6
d. Rs.>20,000/-	-	-	2	4	3	6	P=0.05NS
Education							
a. Illiterate	2	4	4	8	13	26	Cv=11.948
b. Higher Secondary	3	6	6	12	2	4	Tv=12.59
c. Graduate	-	-	4	8	11	22	df=6
d. Post Graduate	-	-	2	4	3	6	P=0.05NS



Note:

N: Non Significant S: Significant
Tv: Tabulated Value Cv: Calculated Value
df: Degree of Freedom P: Probability
df = (r-1)(c-1)

Table no: 3 shows that association between the level of knowledge on swatch bharat among adult with their selected socio demographic variables. There was no significant association between socio demographic variables like age, gender, marital status, religion, occupation, types of family, family monthly income and education.

DISCUSSION: The aim of present study was to assess the knowledge on swatch bharat among adults in vavillavillage at Nellore district.

The quantitative approach and descriptive research design was adopted for the study. The study was conducted in vavilla at Nellore. The sample for the present study includes the adults and probability method was for selecting subjects. The sample size selected for the study was 50 adults. The data was analyzed by using descriptive statistics like (frequency, percentage, mean, standard deviation, and inferential statistics, like chi square) The findings of the study were discussed with reference to the objectives and frame work of the study.

OBJECTIVES

- To assess the level of knowledge on swatch bharat among adults.
- To find out the association between the level of knowledge on swatch bharat with their selected socio demographic variables.

FINDINGS RELATED TO DEMOGRAPHIC VARIABLES

Description of demographic variables among adults

- In context to age, 15(30%) belongs to 18-24 years, 14(28%) belongs to 25-30years 11(22%) belongs to 31-35 years, and 10(20%) belongs to >35years of age.
- In relation to gender 36(72%) are males, and 14(28%) are female.
- In show with marital status 32(64%)were married 13(26%)were unmarried 4(8%)were divorced 1(2%)were widow
- In with context to religion of adults, 32(64%) were Hindus, and 15(30%) were muslims2 (4%) were Christians and 1(2%) were others.
- In show with occupation 8(16%) were govt. employee 13(26%) were private employee 7(14%) were self employee and 22(44%) were daily wage laborers.
- Exhibits types of family 19(38%)were nuclear family 22(44%)were joint family 9(18%)were extended family
- Presents income among adults 12(24%)earns Rs<5000/-, 13(26%) earns Rs. 5000-10000, 17(34%) are 10001-20000 & 8(16%) earns >20000/-
- Show that education qualifications of adults 19(38%) were illiterate 11(22%) were higher secondary school 15(30%) were graduation 5(10%) were post graduation.

CONCLUSION

The present study results shows that majority, ie 29(58%)had D grade knowledge. Awareness programme on SWATCH BHARTH has to be created among the adults as this programmes emphasizes both cleanliness and sanitation are integral parts of healthy and peaceful living.



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