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## Knowledge on selected first aid measures among school children, Puducherry

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**Abstract**

First aid is provided in response to unpredictable illness of injury to preserve life, protect a person, particularly if the person is unconscious, to prevent a condition getting worsened and prompt recovery. The study focussed with the objectives of assess the knowledge regarding selected first aid measures and importance and find out the association between demographic variables and knowledge on selected first aid measures among school children in selected schools, Puducherry.

**Methods:** Quantitative non-experimental research designs was used to achieve the objectives. The study has conducted in government higher secondary school, among 30 students studying 9<sup>th</sup> standard and the samples are selected by convenient sampling method, structured interview schedule used to collect the data.

**Results:** Among 30 students studying 9<sup>th</sup> standard not have adequate knowledge, about 7(23.3%) students have moderately adequate knowledge and 23(76.7%) students have inadequate knowledge.

**Conclusion:** First aid is the aid given in the case of an injury or accident or sudden illness which enables the trained people to render life promote recovery or prevent aggravation of the injury or the condition until the arrival of the proper medical attention by the doctors or during transport.

**Keywords:** Knowledge, First aid measures, school children and teaching.

### 1. Introduction

Provision of first aid is an essential service in all community settings. The capacity to provide prompt basic first aid is particularly important in education and other educational services available where they have the duty of caring of themselves. The statistical view in India about the mortality and morbidity due to accidents is about 16% out of which more than 75% approximately is due to inadequate or ignored care or first aid. Other statistical figure, figures out that children are much more prone to get accidents due to their curiosity and the need to know things which when ignored.

The school children are more are more active and have a high level of motor aggravation which leads them to learn new things quick and as fast as possible. This curiosity may sometime unfortunately lead into accidents which seeks immediate attention failing in which the consequences may be much horrible. The advancement in the field of science is still a mystery and no one knows it has end to touch. In such condition it becomes very easy and mandatory by a school children to know first aid for applying itself and to practice it to their friend if they are really in need of it.

### 2. Review Literature

**2.1. Caruth et al. (2010)** investigated on knowledge attitude and practice of undergraduates regarding first aid measures in Karachi. The eventual sample size achieved 446 and was taken from three medical colleges and three non-medical colleges. Knowledge was assessed regarding various emergency situations with the help of a questionnaire method. A total of 446 students were interviewed, 78 students had formal first aid training. The mean number of correct answer of the student with first aid training was as opposed to 8.58% in those without first aid training with a mean difference of 7.84%. The mean number of correct answer by medical students with first aid training was 11.2% as opposed to 7.2% by non-medical students with a mean difference of 18.14%. Students having received formal first aid trainings cored better than those who had not.

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**2.2. Roxanne A Fredrick (2009)** investigated on safety and first aid behavioural intention of supervised and unsupervised third grade students. This study assessed the safety and first aid behavioural interventions of 285 third grade students. Supervised students should significantly higher than unsupervised students in accident prevention and first aid. Results indicated students behavioural intentions often were dangerous for situation require in judgement about safety or application of first aid.

**3. Problem Statement**

A study to assess the level of knowledge and its importance on First aid measures among 9<sup>th</sup> standard students in government higher secondary school at Puducherry

**4. Objectives**

1. To assess the level of knowledge about selected first aid measures and its importance among high school students in selected school, Puducherry.
2. To find out the association between demographic variables and knowledge about selected First aid measures among school children in selected school, Puducherry

**5. Methodology**

The researcher obtained permission from concerned authority. The investigator introduced herself to subject and explained the purpose of the study to the subject. Informed consent was taken from all 30 students studying 9<sup>th</sup> standard in government Higher Secondary school, Kirumampakkam. The students were selected by non-probability convenient Sampling technique. A structured questionnaire was organized into

Section A: socio demographic variables of school children. Section B: Structured questionnaire which are used to assess knowledge on First aid. The collected data was analysed by using descriptive statistics and inferential statistics.

**6. Results/Discussion**

**Table 1:** Frequency and percentage distribution of knowledge of 9<sup>th</sup> standard students about the selected First aid measures.

| S.No. | Percentage of knowledge level of 9 <sup>th</sup> standard students. | Frequency | Percentage. |
|-------|---|-----------|-------------|
| 1.    | In adequate knowledge   | 23        | 76..7%      |
| 2.    | Moderately adequate knowledge                                       | 07        | 23.3%       |
| 3.    | Adequate knowledge  | Nil.      | -           |

The above table depicts, that the percentage of knowledge level of 9<sup>th</sup> standard students about the selected first aid measures, none of the students have adequate knowledge, about 7(23.3) students have moderately adequate knowledge and 23(76.7%) students have inadequate knowledge.

**Discussion**

1. To assess the level of knowledge about selected first aid measures and its importance among high school students in selected school, Puducherry.

This study shows that,

- None of the students have adequate knowledge
- About 7(23.3%) students have moderately adequate knowledge

- 23 (76.7%) students have inadequate knowledge.
2. To find out the association between demographic variables and knowledge about selected First aid measures among school children in selected school, Puducherry

This study shows

- **Age:** with regards to the age, all the students (30 samples) comes under the category of the age group ranging from 13 to 16 years (100%)
- **Sex:** Among 30 ninth standard students, 16 (53.3%) were male and 14 (46.7%) were female.
- **Religion:** Regarding the religion, 28 (98.3) were Indus and 2 (2.7%) were Christians out of the 30 students.
- **Residential status:** Regarding the residential status, all the 30(100%) students were from rural areas.
- **No.of siblings:** Out of the 30 students (10%) students has one siblings, 13(43.30 student has two siblings, 8(26.7%) students has 3 siblings and 6(20%) students has 4 siblings.
- **Type of family:** with regards to the type of the family, 19 (63.3%) were from joint family and 11(36.7%) were from nuclear family.
- **Source of health information:** about the source of information got about the firstaid, 4(13.3%) students have gained information from friends, 1(3.3%) students has got information from media and 25 (83.3%) students have got information from the health personnel.
- **Availability of the first aid kit:** regarding the availability of first aid and first aid kit in the school, all the 30(100%) has accepted that they have the availability.

**Major Findings**

- None of the students have adequate knowledge on First Aid measures
- About 7 (23.3%) students have moderately adequate knowledge on First Aid Measures.
- 23 (76.7%) students have inadequate knowledge. On First aid measures.

**7. Recommendation**

1. A similar study can be conducted with high school and higher secondary school sample to generalize the findings.
2. A comparative study can be done between private and Govt. school students
3. A comparative study can be done between the high school and primary school teachers.

**8. Conclusion**

The study was conducted among thirty 9<sup>th</sup> standard students which revealed that the students has inadequate knowledge regarding the management of selected first aid measures. On having the field evaluation results found that it was essential for the students must know something about first aid. So we have organized a discussion class on the tools we used and also health educated on basic first aid measures.

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