

**TO STUDY THE KNOWLEDGE AND PRACTICES OF ADOLESCENTS  
RELATED TO USE OF SMOKELESS FORMS OF TOBACCO IN SELECTED  
STATES OF INDIA**

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**Date of Completion as  
approved by PAC:** 10/2009

**Expected Date of Completion:** 1/12/2010

**General Objective:**

To study the Knowledge regarding the health hazards and Practices related to use of smokeless forms of Tobacco among adolescents in selected states of India

**Specific Objectives:**

1. To assess the knowledge and practices related to smokeless forms of tobacco among the adolescents
2. To find out the knowledge and practices regarding the use of tobacco free or 0% smokeless forms of tobacco among the adolescents
3. To find out the prevalent forms of smokeless tobacco used by the adolescents
4. To find out the frequency of use of smokeless forms of tobacco among the adolescents
5. To find out the reasons of initiation of use of smokeless forms of tobacco among the adolescents
6. To assess the social acceptance of use of smokeless forms of tobacco among the adolescents

**Methodology:**

**Partnerships:** The study would be conducted in partnership with State Tobacco Cell/Unit in all the nine Pilot states where the National Tobacco Control Programme is being undertaken.

## **Operational Strategy:**

- **Core Team:** The core team would consist of Principal Investigators, team of co-investigators of NIHFW, 2 officers from MoHFW and Co coordinators of the State tobacco programme managers from the nine selected States.
- **Responsibilities of core team and Individual State Teams:** The core team would undertake data collection in the States jointly with State Teams. The State teams would analyze the data for their respective and prepare preliminary report and send to NIHFW for compilation and analysis.
- **Data Analysis:** Data Analysis would be the responsibility of coordinators of all five states and NIHFW.
- **Budget:** The disbursement of budget to state teams and overall financial responsibility would be of NIHFW.
- **Report Writing:** Each State team would submit its report to NIHFW and Final Report would be prepared by NIHFW

## **Selection of sample:** Purposive sampling

The sample would consists of school going adolescents from classes /grade five to twelfth in the age group of 10 to 17 years of both sexes in two districts from all the 9 pilot states where National Tobacco Control Programme is going on. 40 students from each grade would be selected at random. Five types of the schools by type of management would be selected; Government, Government –aided, Kendriya Vidyalaya and Private and Missionary schools for the study purposes. In all, about 1600 adolescents from two districts in each State would be selected for the study.

## **Implications of the Research study:**

### **1. Paucity of Research on smokeless forms of tobacco:**

There is a paucity of research in this area in an Indian scenario, and especially when there are reports from GYTS, that an increasing population is resorting to diverse forms of tobacco.

### **2. Advertising Policies for smoke-less forms of tobacco:**

The study would be particularly useful in highlighting what socio-cultural practices influence the young adolescent resort to smokeless forms of tobacco. The study would also give an insight into the perceptions of youth regarding the massive campaigning for “Zero % pan masala” or “no tobacco pan masala”. This would further give an impetus to suggestions and guidelines for policy planners regarding media advertising of such claims.

### 3. Dissemination of research findings:

The study findings when disseminated to various governmental departments health department, like Dept of Education, Dept of Youth Affairs , Ministry of Women & Child development, NGOs etc in India, would help in framing appropriate steps for developing policy guidelines and interventions.

The detail of the composition of the sample in each state is as below:

S.No	Class./Age	Government n=320	Govt. aided n=320	KVS n=320	Private n=320	Missionary n=320	Total Sample (9 states)
1	5 (11 Yrs.)	40	40	40	40	40	1800
2	6 (12 Yrs.)	40	40	40	40	40	1800
3	7 (13 Yrs.)	40	40	40	40	40	1800
4	8 (14 Yrs.)	40	40	40	40	40	1800
5	9 (15 Yrs.)	40	40	40	40	40	1800
6	10(16 Yrs.)	40	40	40	40	40	1800
7	11 (17 Yrs.)	40	40	40	40	40	1800
8	12 (17 Yrs.)	40	40	40	40	40	1800
	9 States	2880	2880	2880	2880	2880	14400

**Development of Tools: The schedule have been developed for assessment of each objective**

**Revised Budget by NIHFV**

<b>S.No.</b>	<b>Activity</b>	<b>Budget-Unit wise</b>	<b>Total Budget</b>
<b>1</b>	<b>Development of tools</b>		
a	Development of tools at national level,	5000	5,000
b	Printing, translation of tools for 9 States(@Re. 1 per page x 10 pages approx. X 1600 sample)	1600 x 10 x 9	1,44,000
	<b>Sub Total</b>		<b>1,49,000/-</b>
<b>2</b>	<b>Training and Data collection by State level team travel cost, per diem</b>		
a	Perdiem 4 Investigators per district x 18 districts @ Rs. 400/- per day for 5 days	400 x 18 x 5	36,000
b	Transportation/Travel @ 2 state investigators x 4 districts @ Rs. 2000/- as per actuals (air/train/others)	2 x 4 x 2000	16,000
c	Boarding Lodging charges as per rule @ Rs. 1000 per day for 2 Investigator x 4 districts x 5 days	1000 x 2 x 4 x 5	40,000
	<b>Sub Total</b>		<b>92,000/-</b>
<b>3</b>	<b>Data Collection in States by NIHFV Team</b>		
a	TA for data collection (TA) by 2 NIHFV staff @ 2 x 16 Districts @ Rs. 12000/-	2 x 16 x 12000	3,84,000
b	Boarding lodging charges for 1 faculty @ Rs. 3000 per day for 16 districts x 5 days as per rule	3000 x 1 x 16 x 5	2,40,000
c	Boarding lodging charges for 1 Research Staff @ Rs. 1500 per day for 16 districts x 5 days as per rule	1500 x 1 x 16 x 5	1,20,000
d	Training Materials and stationery for 18 districts x 6 investigators (per investigator @ 110 x Rs. 50/-)	110 x 50	5,500
e	Hiring vehicle / POL for data collection in 18 districts @ Rs. 10000/ per District / 5 days	18 x 10000	1,80,000
f	Miscellaneous/ Contingency Rs. 2000 x 18 District	2000 x 18 x 5	1,80,000
	<b>Sub Total</b>		<b>11,09,500/-</b>
	<b>Grand Total</b>		<b>13,50,500/-</b>

**Total : Thirteen Lakhs Fifty Thousand and Five Hundred Rupees Only**

**Progress:** The following progress has been made in the study:

1. **Development of Tools for Data Collection.** The schedule was developed and sent to experts in the field for suggestions. The suggestions were incorporated and schedule was finalized.
2. **Pilot –testing of the tools:** Pilot-testing was conducted in three states: namely Assam, Gujarat, Tamil Nadu in all types of schools with the help of MoHFW and State Tobacco consultants. The schedule was modified as per the suggestions given.
3. **Translation of the tools in 5 languages:** The tools have been translated in Hindi, Bengali, Tamil, Kannada, and Assamese.
4. **Net –working with the State Nodal offices for identification of schools:** NIHFW wrote to MoHFW for collaboration and further net-working with the State Tobacco cells. The State Nodal Centers have been informed by the concerned unit of MoHFW to coordinate with the schools and work out Data-Collection Plan.
5. **Formation of Research Teams:** Research Teams have been formed at NIHFW. The consultants/officers from each State have been identified at the State level for data collection. Each research team is under planning process to chalk out data collection plan.

**Summary of the result so far:**

1. Development of Tools for Data Collection has been undertaken
2. Pilot –testing of the tools in four states has been undertaken
3. Translation of the tools in 5 languages has been done
4. Net –working with the State Nodal offices for identification of schools also achieved

**Any other Comments:**

**Comments by TAC:**

The following suggestions were given in the TAC held on 15/1/09:

- I. The experts suggested that in the light of ever growing use of smokeless forms of tobacco, the study should be conducted for following types: Current users, Ever users and non-users.
- II. Suggestions related to Sample:
  1. The study sample may be restricted to school students.
  2. The age of students should be from 10 to 18 years.
  3. The schools should represent all main types by management such as:

- a. Government schools
  - b. Government aided schools
  - c. Private schools
  - d. Missionary schools
  - e. Kendriya Vidyalayas.
4. Sample to represent balanced number in different classes in the specified age group.
  5. There should not be any differentiation with respect to male/females.
- III. Suggestions related to Questionnaire:
- a. The questionnaire should ask some basic questions about parental and socio-cultural aspects also.
  - b. The study should also aim to assess whether those using smokeless forms:
    - Are Current smokers
    - Were smoking in the past and quitted smoking and resorted to smokeless forms
    - Never smoked
- IV. The data should be collected in the State Headquarters where NTCP is going on. The suggestions given by TAC have been included.

#### **Remarks of PAC 2009**

- To be funded by WHO
- Collaboration with IIPS, Mumbai recommended.

The research proposal at the time of submission to PAC held in 2009 was under discussion with MoHFW/WHO for funding. The grant has not been approved.

It is proposed that the research activity may be undertaken from the institute's fund. The revised Research Proposal with revised budget is being proposed again.