

**RESEARCH**

**METHODOLOGY**

## Chapter- 06

# RESEARCH METHODOLOGY

### I. STUDY DESIGN:

**Place of the study:**

The present study was conducted in all the Twenty six districts of Gujarat state. The state was divided into Four Parts- Region I, II, III & IV.

**Type of the study:**

Epidemiological and Cross-sectional study

**Sample size:**

250 Participants

**Sample Design:**

Random Sampling

**Study group:**

Region I.

Region II.

Region III.

Region IV.

**Selection criteria:**

**Inclusion criteria-**

1. Voluntary participants were included in the study.

2. Participant who have/had history of consumption of tobacco and/or arecanut in any form were included in the study .
3. Person using Tobacco and/ or Arecanut in any form from atleast three months.
4. Any person who have discontinued consumption of tobacco and/or betel nut in any form within 10 years.
5. Any age group patient.

**Exclusion criteria-**

1. Participants who are not willing to sign the informed consent form / to participate in the study will be excluded from the study.
2. Participants with Severe illness, Unable to communicate, lunatic and uncooperative patients will be excluded from the study.

**II. MATERIAL & EQUIPMENTS :**

1. Set of Diagnostic Instruments-
  - Mouth mirror
  - Probe
  - Explorer
  - Tweezer
2. Materials-
  - Cotton Rolls

- Gauze Pieces

**3. Accessories -**

- Head strap focus Light / Torch
- Magnifying Lens

**ASSESSMENT OF:**

1. Deleterious effects on oral and general health.
2. Any complaint pertaining to the deleterious effect.
3. Most common age groups indulging in the habits.
4. Most common gender indulging in the habits
5. Causes of harmful habits.
6. Various types of habits in age groups, gender, region.
7. Any social and cultural factor associated in consumption of tobacco and/or betel nut.
8. Habitual and Non-Habitual Participants
9. Correlation of Age with or without Harmful oral Habit.
10. Co-relation of Gender according to Habit
11. Different types of tobacco and arecanut habit
12. Age of First Use (Initiation) of Habit
13. Factors influencing habit

### **III. METHODOLOGY :**

- 1. The Permission to undertake this Study was obtained from the Head of the Dept., Dept. of Sociology, M.S.University, Vadodara.**
- 2. Information about this Study was to each participant in the local language- Gujarati or in Hindi. The Participation in this study was Voluntary.**
- 3. The Informed Consent form (in Gujarati) was signed by each participant who wished to participate in this study, before Examination.**
- 4. Each Participant was interviewed whereby structured questions related to vital statistics, education, Income, Occupation, Medical & Family history, social and cultural aspect and other details were asked to each participant and the outcome for the same was recorded in the pretested "Proforma" designed for this study.**
- 5. Thorough Oral and Maxillofacial Examination was performed and the findings were recorded in the Proforma. The Oral examination was performed with the help of Diagnostic instruments with necessary aseptic precautions and with both- Direct and Indirect light.**
- 6. The collected data was then entered at the end of the study in the Master chart prepared in Microsoft Excel 2007 on the**

**computer. Statistical analysis was conducted by using SPSS soft ware version. The mean value, standard deviation, chi square test, 't' test and Anova test were applied.**