

2018

# 63rd INSTITUTE DAY Oral Health Awareness and Screening Camp- A Report

Centre for Dental Education and Research  
All India Institute of Medical Sciences  
New Delhi



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## **63rd INSTITUTE DAY**

**25th – 30th SEPTEMBER 2018**

The 63<sup>rd</sup> Institute Day was celebrated at the AIIMS New Delhi on 25<sup>th</sup> September 2018. The theme this year was “Next Generation Healthcare.” Some of the latest innovations in healthcare were displayed in the exhibition which is the highly popular yearly event.

The CDER set up portable dental equipment and DIAGNOdent, an instrument which works on LASER fluorescence technology as a part of the exhibition.

The dental booth, equipped with two fully functional portable dental chairs was operational from 25<sup>th</sup> to 29<sup>th</sup> September 2018. The booth had a footfall of 413 out of which 8.23% registered for dental treatment at the CDER AIIMS whose referral forms we could retrieve from the registration counter. Most others did not have to register as they had a previous dental record or were under treatment.

Five dentists were posted to record the oral health status of the subjects visiting the booth using the WHO Oral Health Assessment 2013. An interesting addition to the booth was an early detection device called DIAGNOdent and an IEC Station.

The DIAGNOdent is a technology which helps identify demineralized tooth structure with an objective risk scoring, before a decay or cavity develops. Aiding extensively in patient education, this device was actively used during screening.

The IEC booth had a television playing the video on significance of oral health. Badges, leaflets with oral health information and oral health game cards for school children were also distributed. School children were screened for early signs of decay and gum disease.

The features of the website under construction for public oral health awareness, “eDantSeva” under the National Oral health Programme were also displayed too. Brushing and oral hygiene measures were demonstrated to all the people visiting the booth.

Some subjects who visited the booth were having their first ever dental check up! Some were referred from the wards in which they were undergoing treatment for a co-morbidities, some had serious medical conditions which may impact the oral health. There was an interesting mix of such case vignettes, a few photographs are attached.(Annexure 1)

A few subjects who were tobacco users and had signs of a potentially malignant oral lesion were referred immediately for medical management and further follow up.

The booth has once again indicated the need for more such community based initiatives for early detection and prevention of oral diseases.

The feedback from the visitors is attached (Annexure 2)

## Scope

- Oral Health Awareness may be extended further on all other health days observed in AIIMS.
- Working in integration with all other departments of medicine could be initiated for assessing oral health needs.
- Strong referral linkages may be built for a comprehensive treatment.
- Other branches of dentistry may also be a part of such initiatives
- Scope for oral health education through CMETI for medical students, residents, nursing staff, health attendants and sanitary attendant.

## Detailed Report

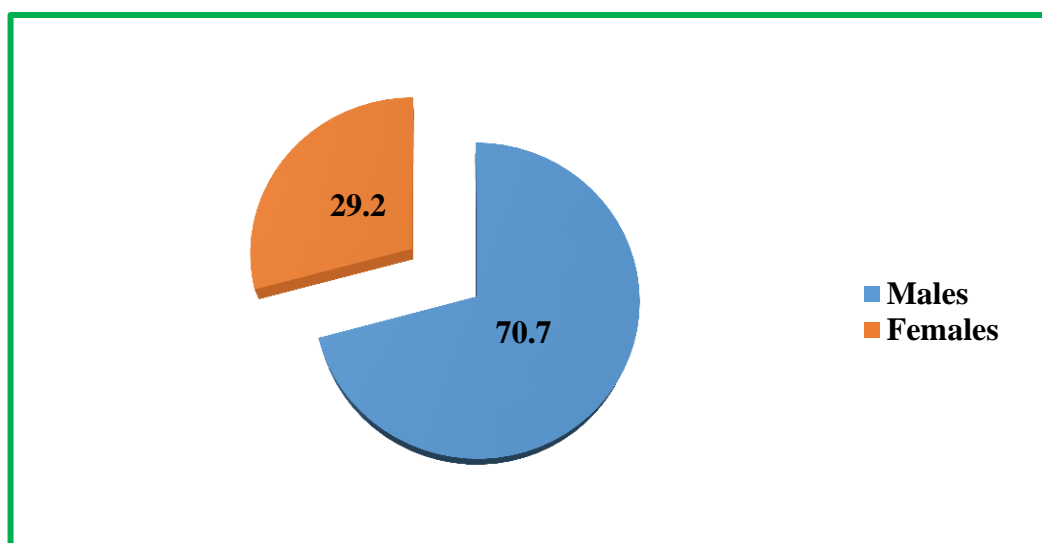
This is the report of the findings from the data collected during the screening camp in which 379 subjects were screened using the WHO Oral Health Assessment Form 2013 as data collection tool. The data is presented in the form of some ready reference tables and few graphs.

## The Demographics:

In addition, to the details reported in the WHO Oral Health Assessment Form the work place distribution of the screened subjects was also assessed. Assessment of the habit history was done using a structured proforma.

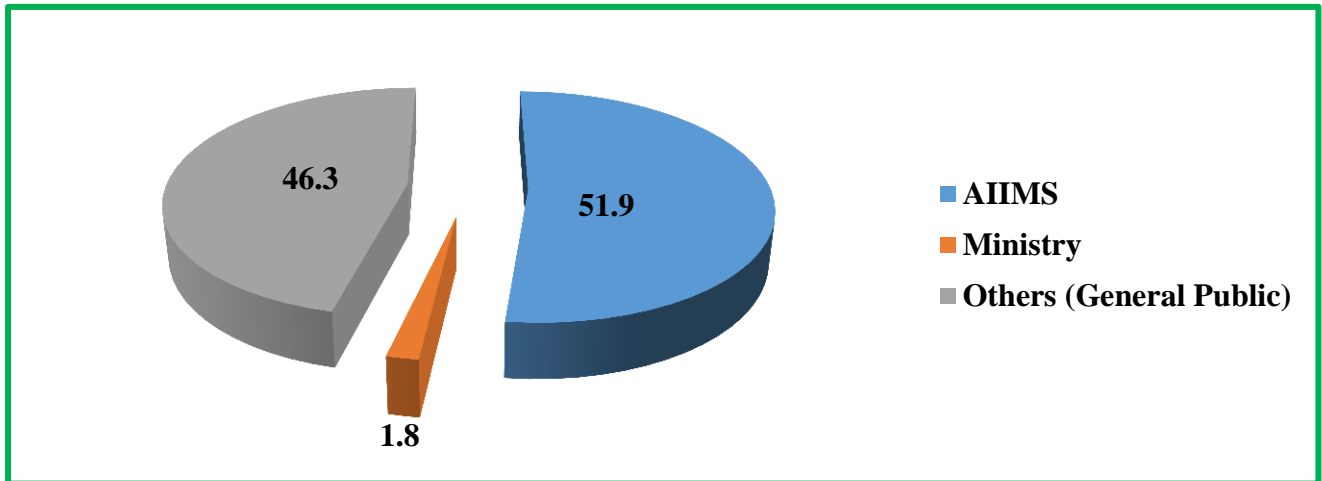
## Gender based distribution

Among the screened subjects, 29.19% were females and 70.8% were males



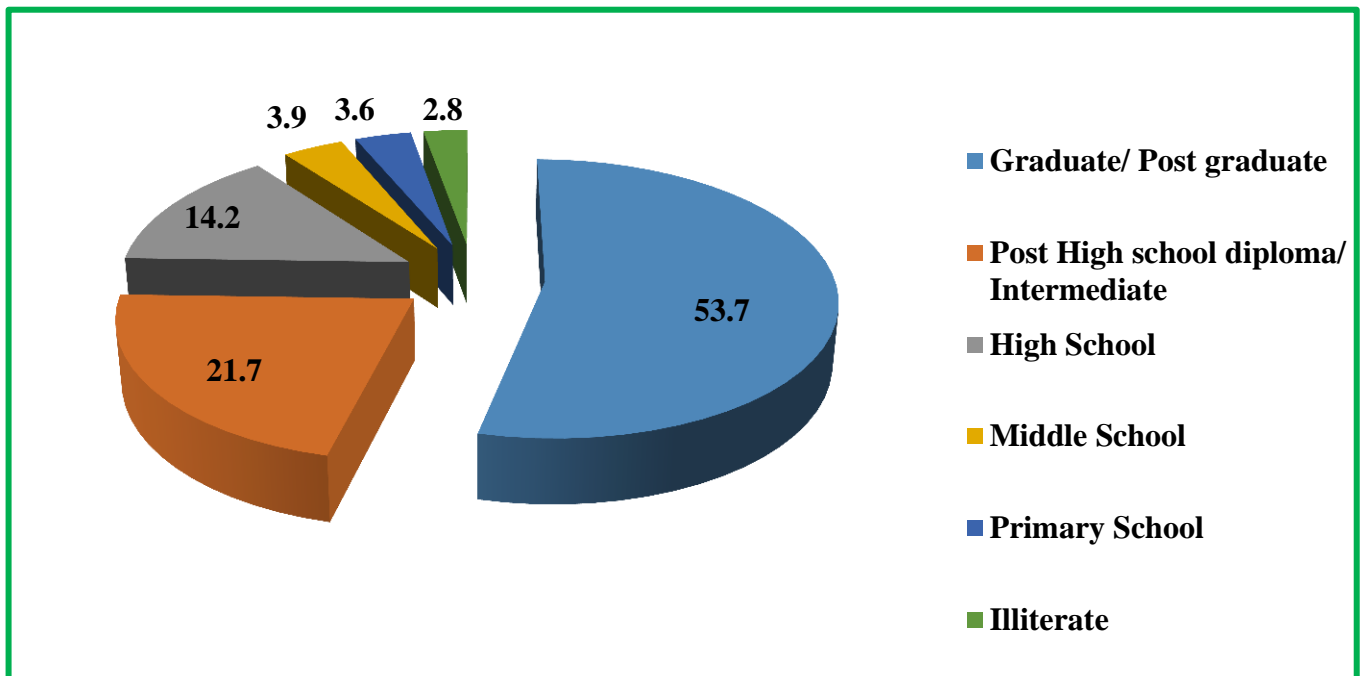
**Figure 1:** Gender wise distribution of the subjects screened (%)

### Work place wise distribution



**Figure 2:** Work place distribution among the screened subjects (%)

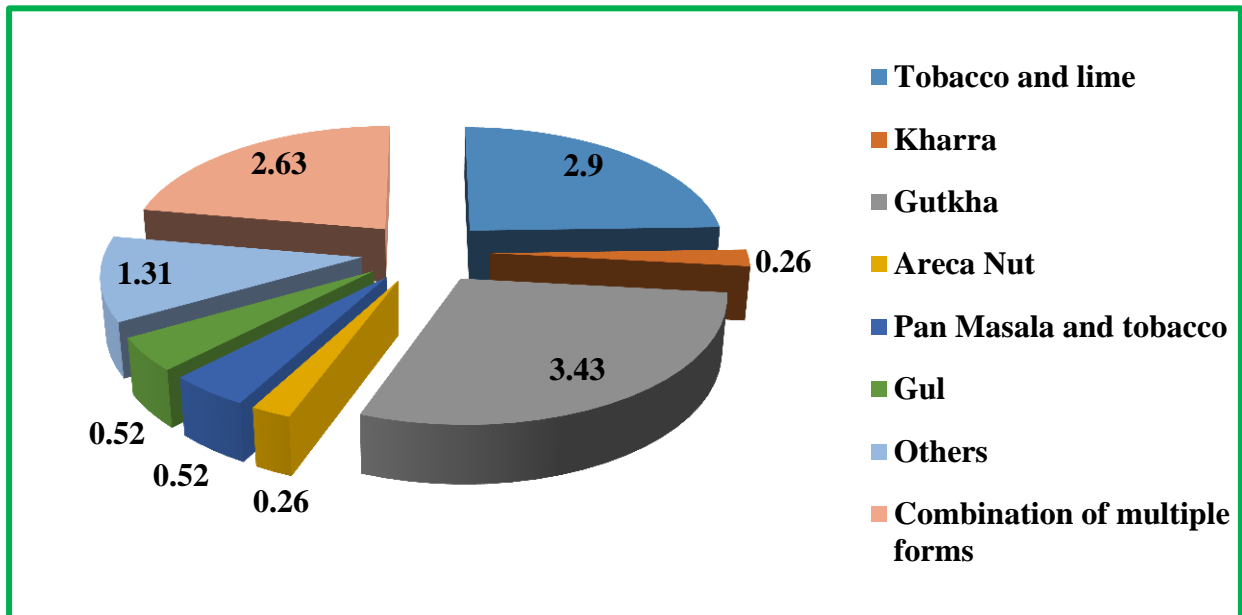
### Level of Education



**Figure 3:** Categorisation of the level of education of the screened population (%)

### Type of Smokeless tobacco consumption

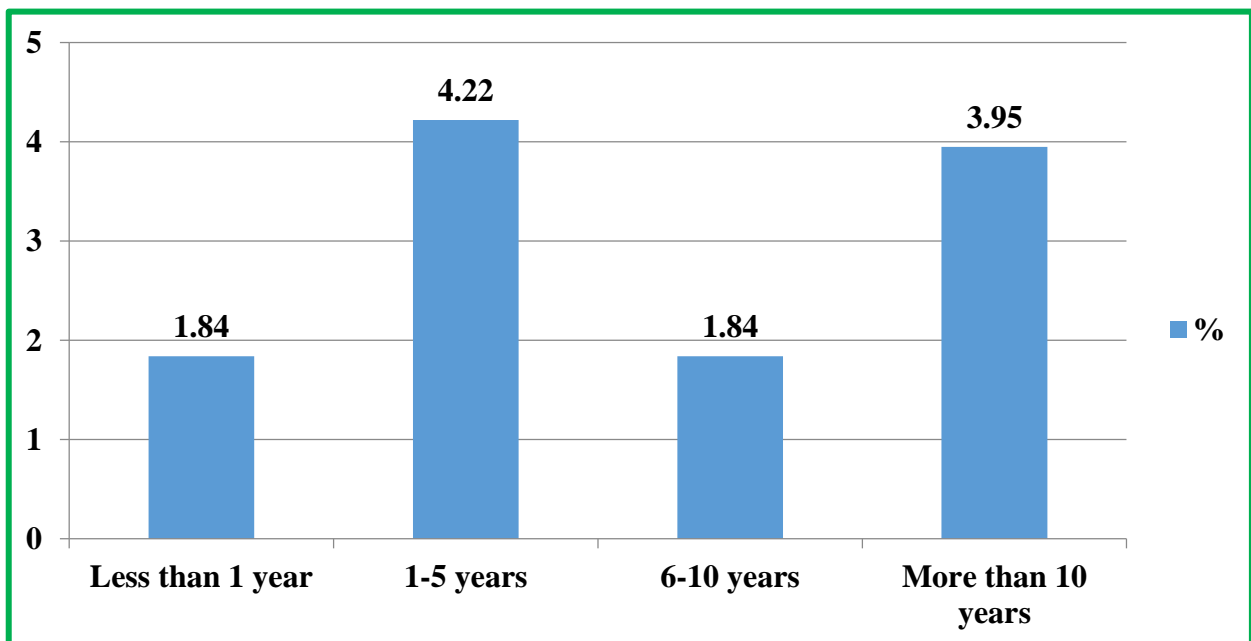
Out of all the screened subjects, 334 (88.12%) reported no consumption of any form of smokeless tobacco



**Figure 4-** Percentage of subjects with smokeless tobacco consumption in the screened subjects (%)

### Duration of smokeless tobacco consumption

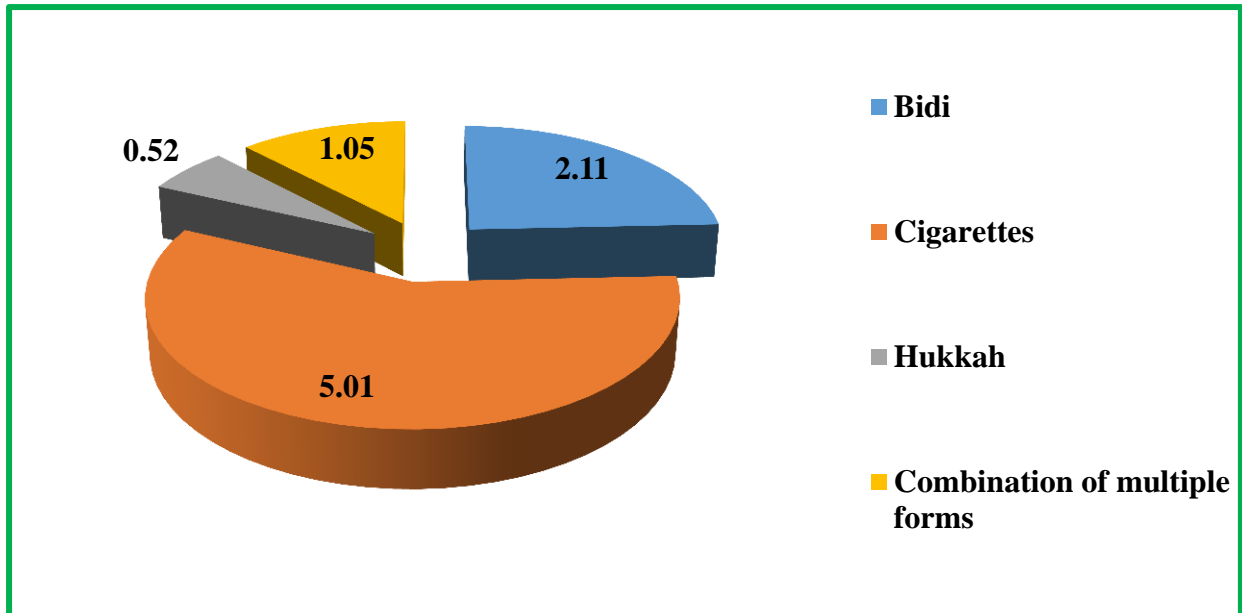
45 subjects (11.87%) reported consumption of smokeless tobacco in one or another form



**Figure 5** – Representation of the duration of consumption of smokeless tobacco among screened subjects

**Type of Smoking form of tobacco consumption**

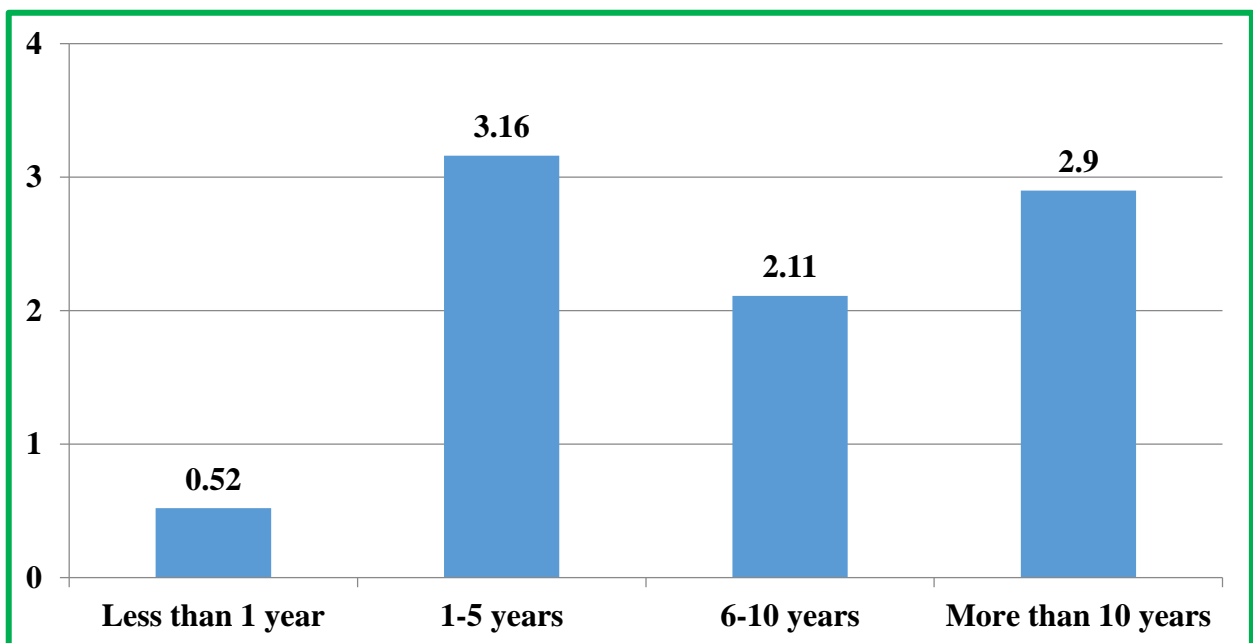
Out of all the screened subjects, 346 (91.29%) reported no consumption of any form of smoking tobacco



**Figure 6**- Percentage of subjects with smoking form of tobacco consumption in the screened subjects (%)

**Duration of smoking form of tobacco consumption**

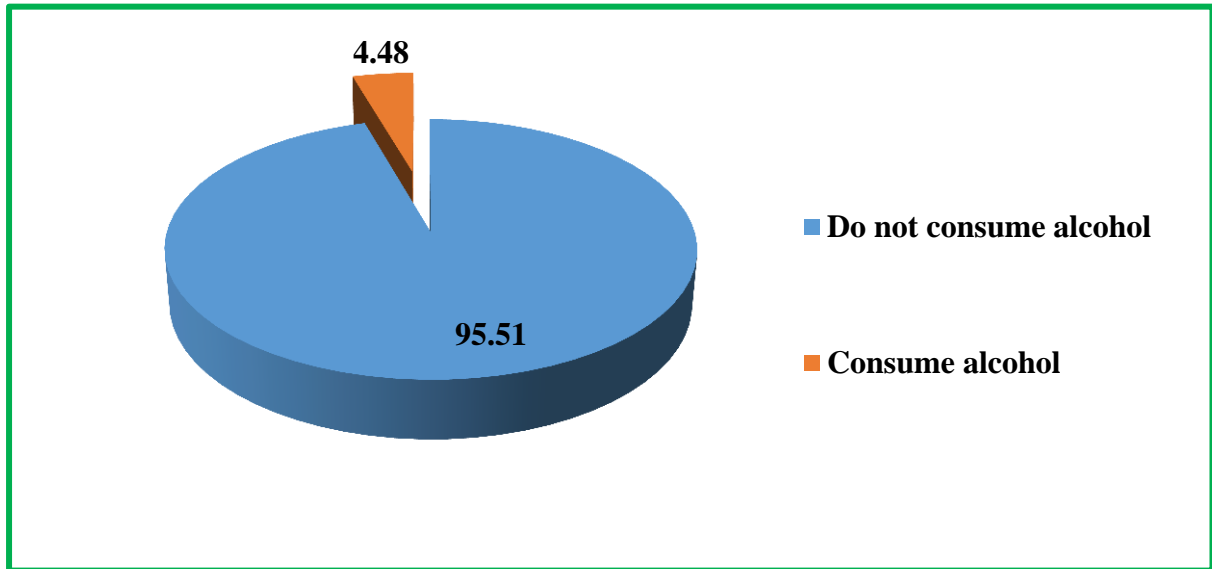
33 subjects (8.70%) reported consumption of smoking form of tobacco in one or another form



**Figure 7** – Representation of the duration of consumption of smoking form of tobacco among screened subjects (%)

**Alcohol consumption**

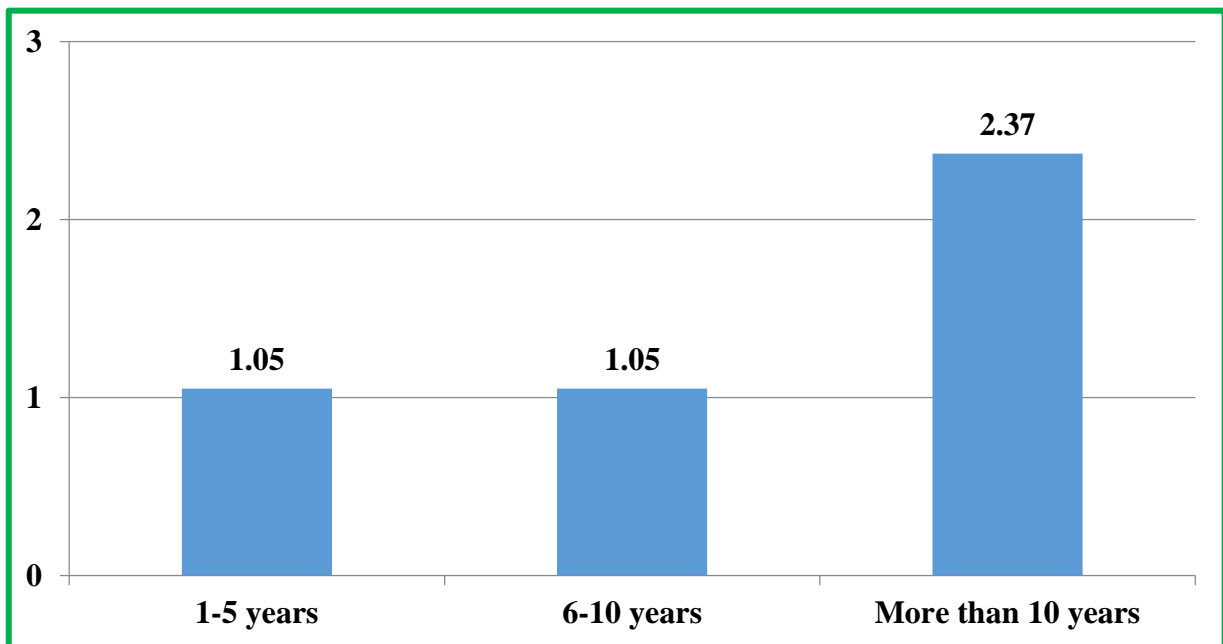
Out of all the screened subjects, 362 (95.51%) reported no consumption of alcohol



**Figure 8**- Percentage of subjects with alcohol consumption among screened subjects (%)

**Duration of alcohol consumption**

17 subjects (4.48%) reported consumption of alcohol among screened subjects

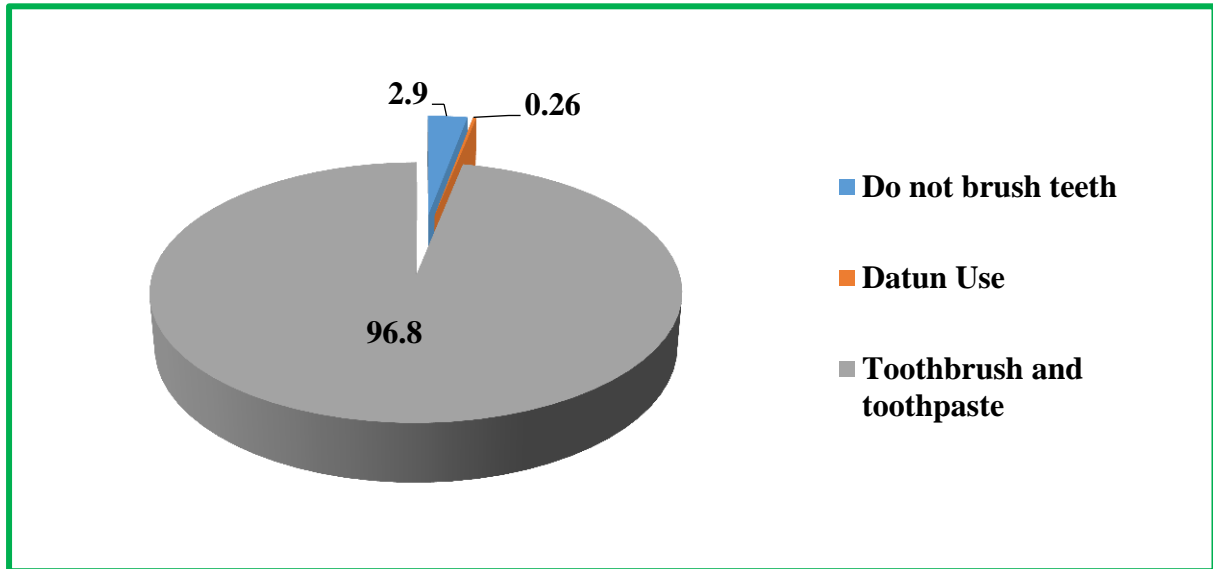




**Figure 9**–Duration of consumption of alcohol among screened subjects (%)

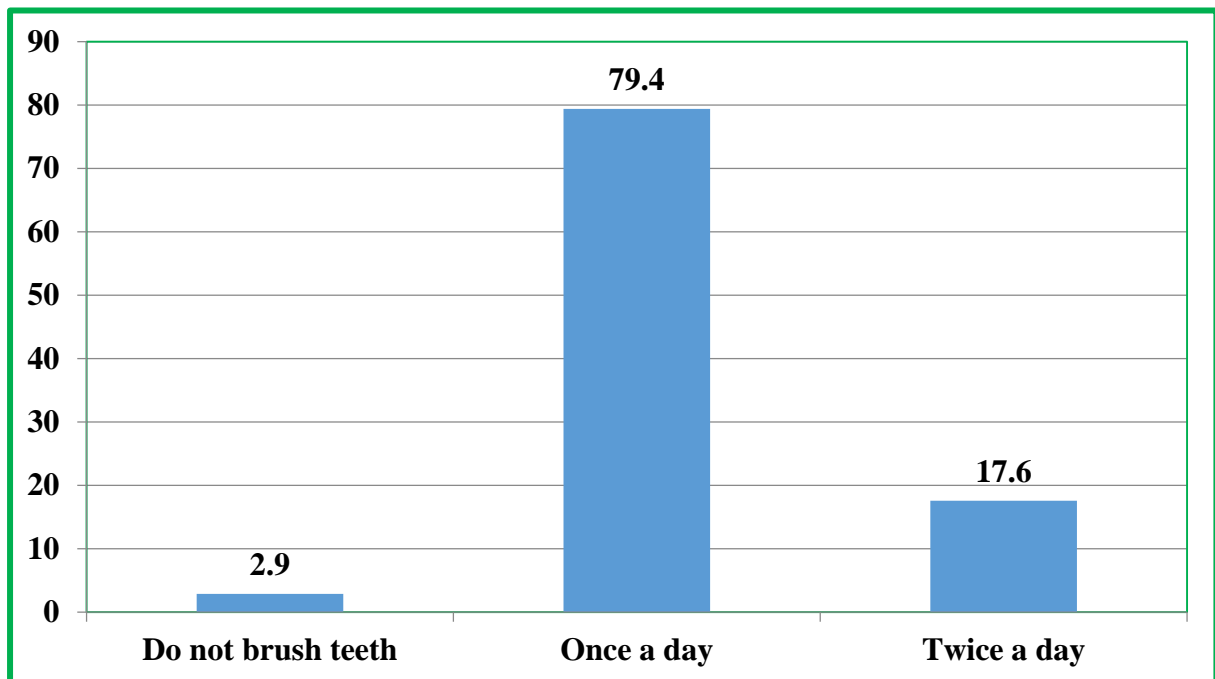
**Brushing Habit**

Out of all the screened subjects, 11 (2.90%) subjects did not brush their teeth, 1(0.26%) individual used datun and 367 (96.8%) reported using toothbrush and toothpaste to clean their teeth



**Figure 10**- Percentage of subjects with habit of brushing teeth in screened subjects (%)

**Frequency of cleaning teeth**



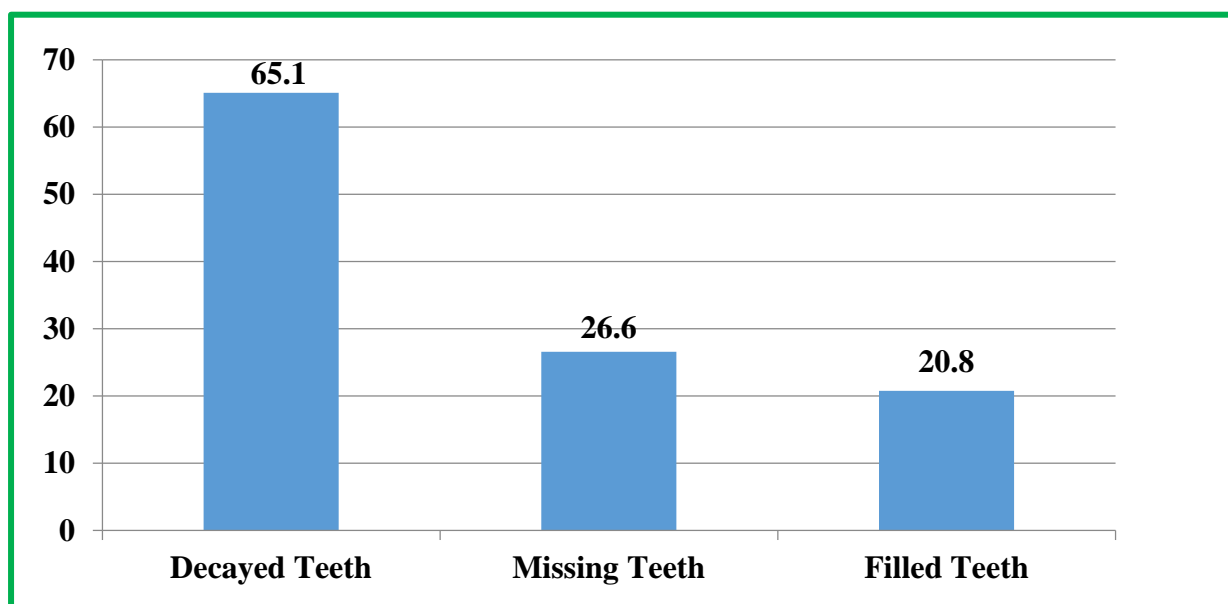
**Figure 11**– Frequency of cleaning teeth among screened subjects (%)

### Clinical Findings:

The clinical findings consisted of an assessment of caries status, periodontal status, denture status and parameters such as dental erosion, dental trauma, oral mucosal lesions and intervention urgency in the subjects.

### Caries Status

Among the screened subjects, 247 subjects (65.1%) had decayed teeth, 101 (26.6%) had missing teeth and 79 subjects (20.8%) had filled teeth



**Figure 12:** Caries experience of the screened subjects recorded as Decayed, Missing and Filled Teeth (%)

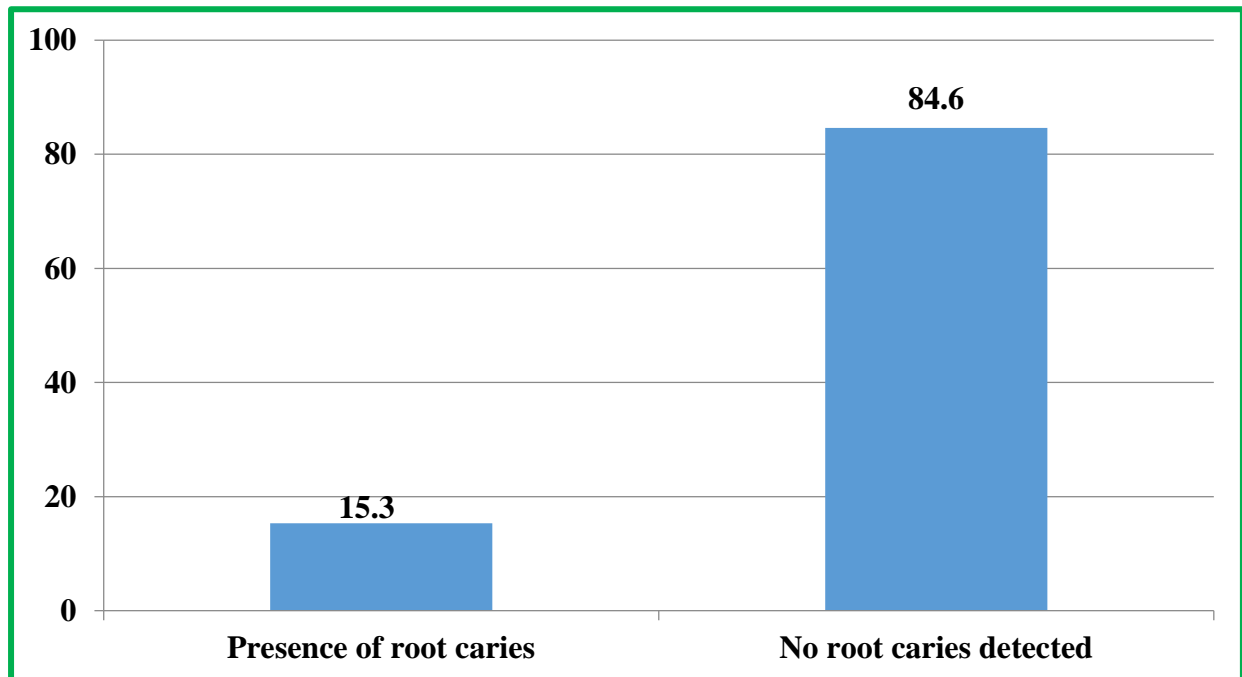
**Table 1:** Mean and median of decayed, missing and filled teeth

Variable	Mean	Standard Deviation	Median	Minimum	Maximum
Decayed Teeth	2.15	2.84	1	0	22
Missing Teeth	0.98	3.03	0	0	32
Filled Teeth	0.52	1.42	0	0	13

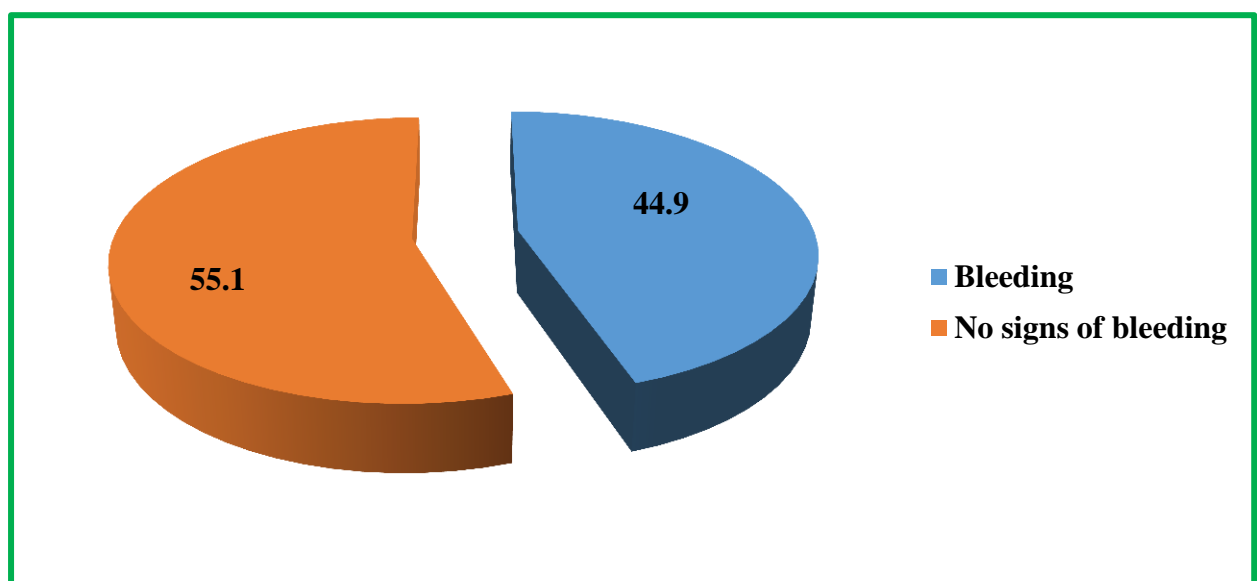
### Root Caries

84.6% of the subjects showed no signs of root caries whereas 15.3% of the subjects had root caries

**Figure 13:** Percentage of the screened subjects with root caries (%)



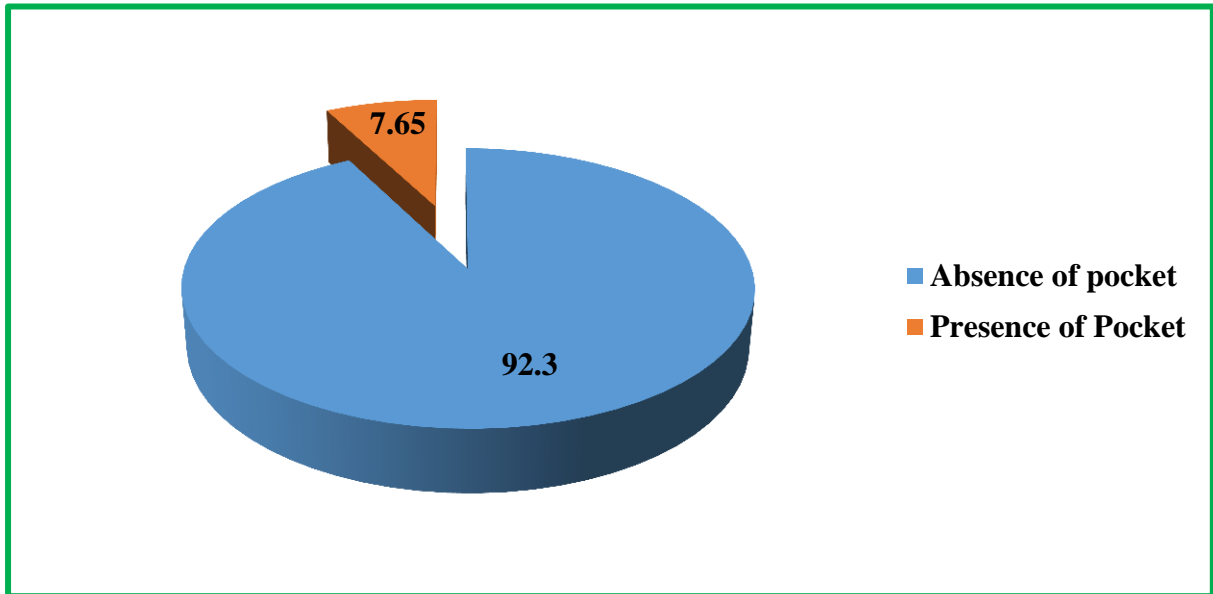
### Bleeding Gums



**Figure 14-** Percentage of the screened subjects with gingival bleeding (%)

### Periodontal Pockets

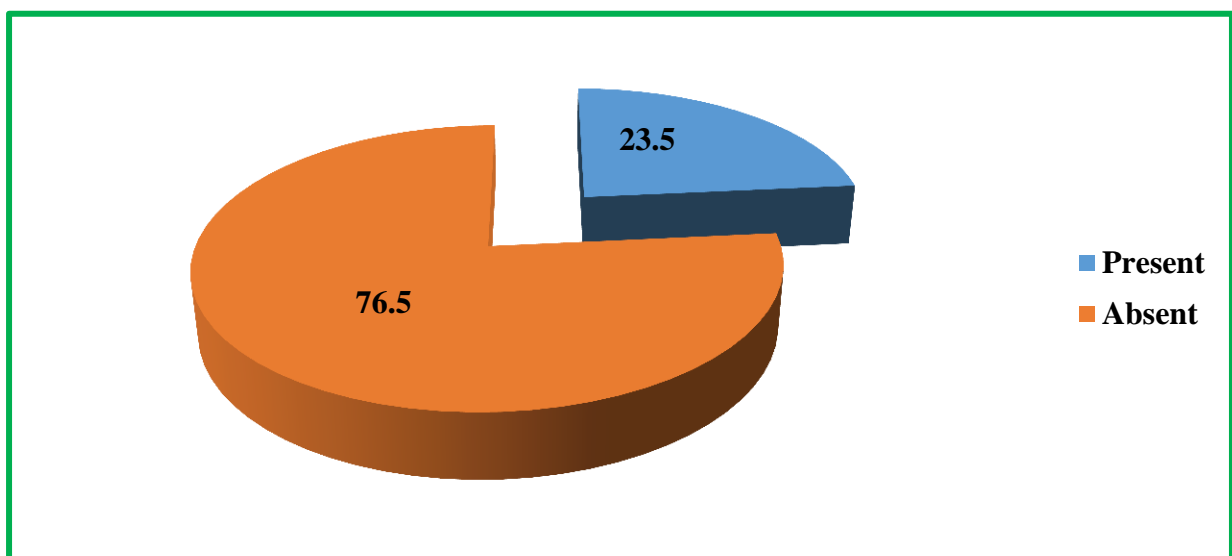
The condition of pocket was not present among 92.34% of the screened population



**Figure 15:** Percentage of subjects having pockets seen in the screened subjects (%)

### Loss of Attachment

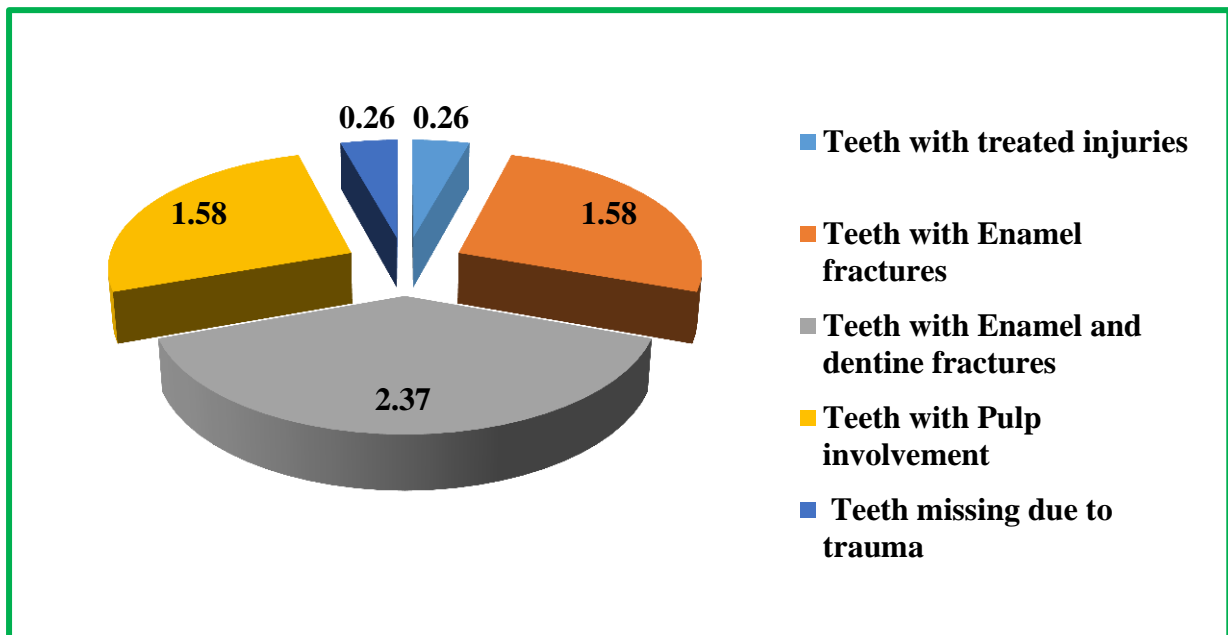
The condition of loss of attachment was not present among 76.5% of the screened population



**Figure 16:** Percentage of subjects having loss of attachment seen in the screened subjects (%)

### Trauma to teeth

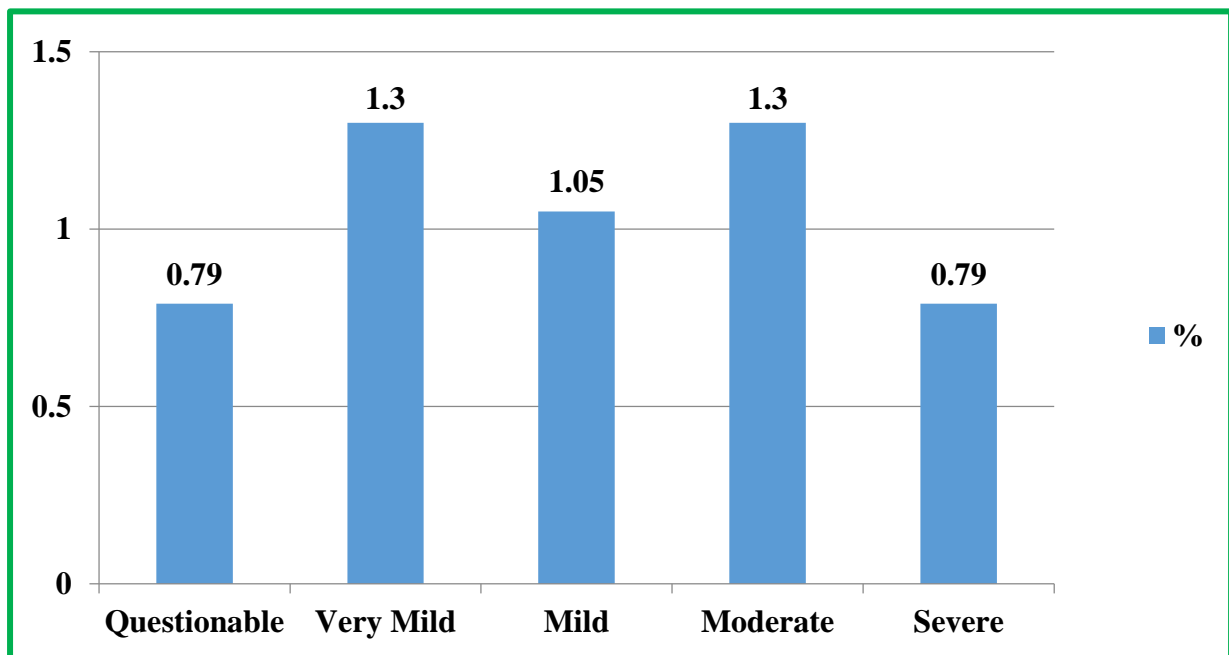
No signs of dental trauma were seen among 93.9% of the subjects



**Figure 17:** Categorisation of traumatic dental injuries seen in the subjects screened based on WHO 2013 classification (%)

### Dental Fluorosis

94.72% of the screened subjects showed no signs of dental fluorosis



**Figure 18:** Represents the dental fluorosis detected in the subjects categorised based on Dean's Fluorosis Index (%)

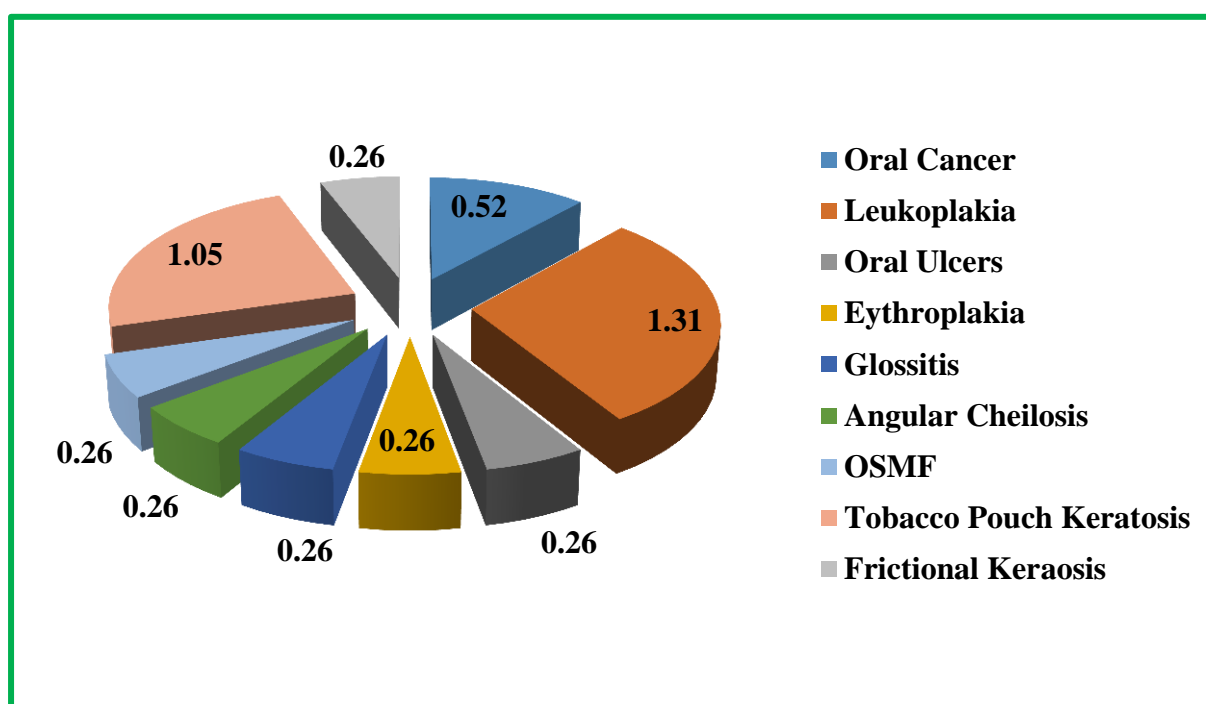
## Dental Erosion

**Table 2:** Percentage of Dental Erosion seen in the screened subjects (%)

Dental Erosion	Number	Percentage
No sign of erosion	367	96.8
Enamel lesion	3	0.79
Dentinal lesion	8	2.11
Pulp involvement	1	0.26

## Mucosal Condition

362 (95.5%) of the screened individual showed no sign of oral mucosal lesion



**Figure 19-** Percentage of subjects with oral mucosal lesions in screened subjects (%)

## Denture Wearers

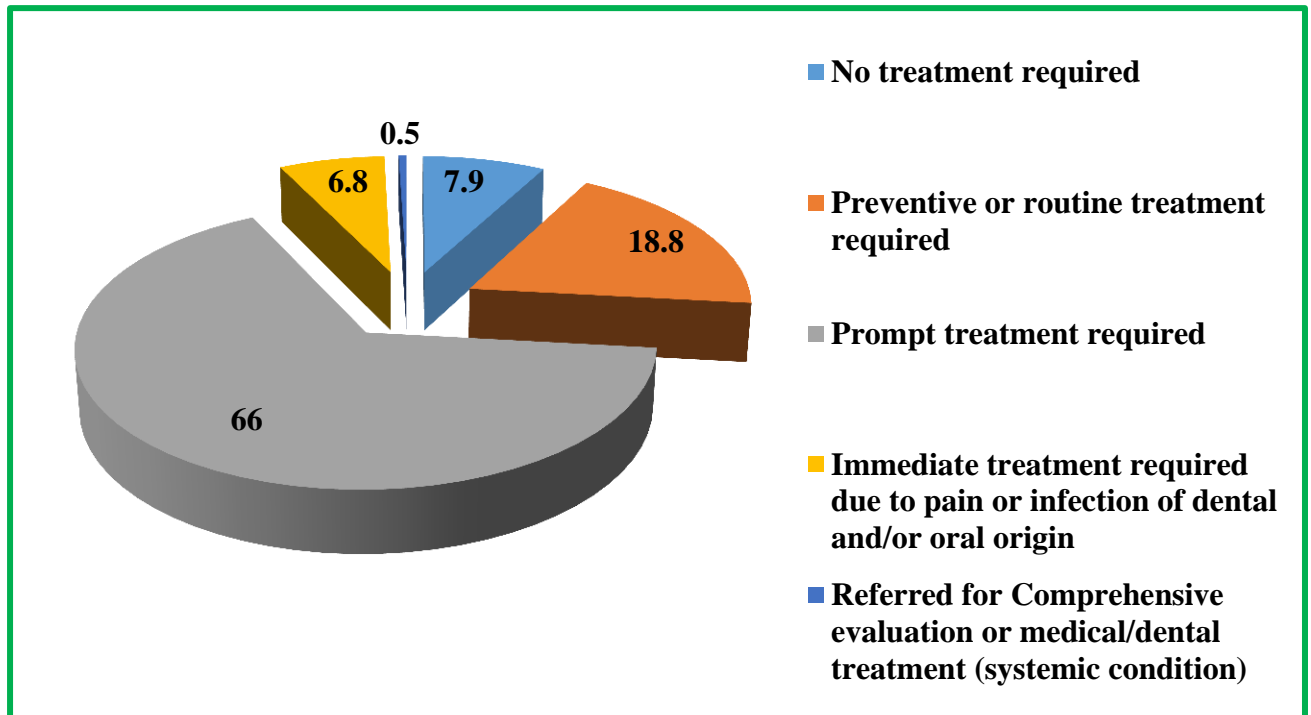
Denture wearer was also recorded as a part of the screening; it was observed that 9 subjects who were edentulous used dentures as tabulated below

**Table 3:** Percentage of subjects using Dentures seen in the screened subjects (%)

Variable		Number	Percentage
Upper Dentures wearer	Partial Denture	2	0.52
	Complete Denture	4	1.05
	Total	6	1.58
Lower Dentures wearer	Partial Denture	1	0.26
	Complete Denture	2	0.52
	Total	3	0.79
Total		9	2.37

## Intervention Urgency

Out of the total subjects screened, 66% of the subjects required prompt treatment (including scaling). 18.8% required preventive or routine treatment, 7.9% of them required no treatment, 6.8% of the subjects required immediate treatment due to pain or infection of dental and/or oral origin and 0.5% subjects screened were referred for comprehensive evaluation or medical/dental treatment (systemic condition) (Figure 11)



**Figure 20:** Representation of the treatment need identified and the level of intervention urgency (%)

## Photographs of the Screening Camp



**Shri Ashwini Choubey**, Minister of State for Health and Family Welfare inaugurating the 63<sup>rd</sup> Institute Day



Doctors from CDER, AIIMS-New Delhi screening patients at the Oral Health Awareness and Screening Camp



Demonstration of Correct Brushing Method



IEC Material Display at dental Booth



**Prof. O.P Kharbanda** Chief, CDER, AIIMS- New Delhi receiving award by **AIIMS-Director Dr. Randeep Guleria** for the Best Exhibits



**ANNEXURE No. 1**

**SPECIAL CASES**

**Photos of few cases that reported at the Oral Health Awareness and Screening Camp from 25<sup>th</sup> Sept to 30<sup>th</sup> Sept 2018**

**1- Traumatic Ulcer**



**2- Burn**



### 3- Tobacco Pouch Kertosis



### 4- Ulcerations of unknown etiology



## 5- Scleroderma



## 6- Duchenne Muscular Dystrophy



## ANNEXURE No. 2

## PATIENTS FEEDBACK FORM

FEEDBACK FORM			
		classmate	
		Date	26/9/18
		Page	
S.No.	Name	Mob.No	Feedback
1)	Shammi	8800181482	good for this test
2	Sarot	9868538763	Very Good for this test
(3)	AMIT YADAV	9950000724	good for this test
(4)	DHIRAJ YADAV	9011922107	good in this
5	Kanta	9250714681	good
6	VEENA CHANDOLA	9810177532	Very Good
7	RENU	9873791885	V. Good
8	Aditya	9818146752	fine test
9	Pooja Pandey	9650615598	good
10	Nriyanka Mandil	7011662618	good
11	Neha Agrawal	7906546229	V. good
12.	SANJEEV KUMAR	9718455989	very good
13.	Sunil	9968266211	V. good high
14.	Pankaj		V. good Pankaj
15	Rabif Hashmi	7065557122	Nice
16	Rishi	"	"
17	Zarecha	"	Good

# FEEDBACK FORM

29/09/2018  
NAME

MOBNO-

① Nepal Singh - 7011084575 -  
It is very good treatment for us.

Hymatis

② SURUSHO THAKUR KUMAR 8826072548.  
Thank you. It is very nice service.

POSE

③ Anjan Chowdhury 9999324624  
Doctors are very curious & very well advised to treatment

④ A Harsh Priya, Chau Very supportive, observant eye for detail, and helpful. Excellent -

⑤ An Sunita w/o Lt. Sh. Surender kumar  
Treatment advised. Dental Self 29-9-18

⑥ Phina Banya - Its nice to see such a friendly staff and talented too.  
- Thank You

7 अमन शर्मा ए अति उत्तम चिकित्सा 29/9/18

⑦ It a great idea to take a initiative patient offer to check the teeth. That is a great helpful.  
All the best

⑧ अति उत्तम चिकित्सा सेवा  
Smileep  
29-9-18

⑨ Great experience  
29/09/18

⑩ Pankaj  
29/9/18 - Very good Experience with Dr. HARSH PRIYA (MHA)  
Thank You So much. 😊



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*Further Information*

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