# A Study to Assess the Prevalence of Tobacco Consumption and Knowledge of Harmful Effect of Tobacco Consumption and Determinates of Quitting Behaviors among the School going Adolescents in Kamrup Metro

# Junu Sarma<sup>1</sup>, Prof (Dr) Jogesh Sarma<sup>2</sup>

<sup>1</sup>Tutor, School of Nursing, Gauhati Medical College & Hospital, Guwahati, Assam, India

<sup>2</sup>Professor, Department of Pulmonary Medicine, Gauhati Medical College & Hospital, Guwahati, Assam, India

Abstract: <u>Background</u>: Tobacco is one of the leading preventable deaths in world wide. Annually nearly 1.3 million people die in India from Tobacco related diseases. Tobacco consumption habit is increasingly taken up at early of the age. Various factors are responsible for adolescents' tobacco consumption and also inadequate knowledge and unfavorable attitudes towards tobacco consumption. <u>Aims & Objectives</u>: This Study was conducted to find out the Prevalence of Tobacco Consumption and Knowledge of Health effect and find their quitting behavior on tobacco among the School going Adolescence in Kamrup Metro Assam. <u>Study design</u>: Descriptive research Design has been taken for this present study. <u>Materials and Methods</u>: "Non probability sampling" has been used for selection of sample. Setting of the study was 2 governments co-educational urban schools, located at Dispur area, Gwahati in Kamrup metro. Study sample was 98 and age group of 12 to 19 years and studying in class 6<sup>th</sup> (VI) to 12<sup>th</sup> (XII) standard. <u>Result</u>: Among the 98 of samples, 27.4% students ever tried cigarettes and bidi. And 46.9% of students were found who ever tried smokeless form of tobacco. In smokeless form of tobacco it has found that 36.7% of the study sample was aware of the ill effect of tobacco consumption on health. The level of education and health effect of tobacco consumption was significantly associated ( $\chi 2=30.673$ ) and among the study sample 58.2% of the sample were want to quit the tobacco consumption. <u>Conclusions</u>: consumption of tobacco in adolescent period is one of the major social and public health problems. There is need to implement public health intervention by family, teacher, community leader and there is need to develop tobacco quitting strategies by imparting health education.

**Keywords:** Tobacco, Adolescent, Health effect, Quitting behaviour

## 1. Introduction

#### **Background of the Study:**

Tobacco use in children and adolescents is reaching pandemic levels. Tobacco is the leading cause of death in the world. About 5 million people die every year due to tobacco use and this figure may increase to 10 million tobacco related deaths per year by 2020[1]. The World Bank has reported that nearly 82,000-99,000 children and adolescents all over the world begin smoking every day. The World Health Organization (WHO) has defined 'adolescents' as persons in the 10 to 19 years age group. People in the age group of 10-19 years, comprise 22% of the Indian population [2]. Tobacco smoking and chewing are the main causes of lung cancer and oral cancer are the second major causes of death in the world. The tobacco death toll is expected to double by 2025 from the present 5 million deaths (approximately). At every 6.5th second, a person dies because of a tobacco related disease, globally [3]. In India, tobacco use is estimated to cause 800,000 deaths annually. The World Health Organization predicts that tobacco deaths in India may exceed 1.5 million annually by 2020

Forms of Tobacco consumption prevalent in north eastern region including Assam and other parts of India include Pan [piper betel leaf sliced with areca nut lime catechu and other spices chewed with or without tobacco], Pan masala or gutkha [chewable gutkha containing areca nut], Mishri/Sadha [A powdered tobacco rubbed on the gums].

Global Youth Tobacco Survey (GTYS) conducted in six regions of India on a national level, found a prevalence of 14.6% among the 13 to 15 year adolescents with boys having 3 times higher prevalence than girls.[4] Major determinants include exposure to parental, sibling or peer smoking; peer pressure; easy access to smoking and nonsmoking forms of tobacco; aggressive promotion and advertising; low cost, etc. There is an urgent need to curb tobacco use amongst school children from the early adolescent age because if this habit remains forever at adulthood there will be very bad impact on health as well as nation. Hence this study was conducted to estimate the prevalence of tobacco use amongst school children, and their knowledge on health hazards and to evaluate their attitude on quitting behavior on tobacco consumption. [5,6]

## 2. Material and Methods

**Type of the study:** Descriptive research Design has been taken for this present study. And the Study was carried out in one region in two Government co-educational schools.

Volume 9 Issue 11, November 2020 <u>www.ijsr.net</u> Licensed Under Creative Commons Attribution CC BY

Paper ID: SR201012221155

DOI: 10.21275/SR201012221155

**Target population:** School going adolescents' age group of 12 to19 years studying in both Government school of Kamrup metro.

**Study sample:** 100 study samples were taken in two government co-educational school. From each school 49 samples were carried out

**Ethical consideration:** Permission to carry out the study was sought from departmental ethical committee. In addition to the above Written consent was obtained from the school head master and respective class teachers before the initiation of the study. Verbal consent was sought from every respondents at the beginning of the interview.

**Data collection:** Data was collected by pre-tested anonymous self administered questionnaires (prepared in Assamese and English language) in the classroom in one day. The questionnaires on Tobacco consumption was broadly classified into different categories: smoking, chewing and more than one form of tobacco use. Tobacco smoking includes cigarettes, beedis. Smokeless tobacco use includes Gutka, Khaini and Zarda. In socio demographic background their class standards, religion, parents education and occupation, reasons for consumption of tobacco etc are added. After giving an overview of the objectives of the study the students were instructed to fill in the questionnaire and drop it into a box circulated in the class room. Half an hours' time was given to students for fill up the questionnaire set.

# 3. Data analysis and Result

Statistical analysis was done by applying Chi- square test and Fisher's Exact test. The socio demographic profile of the study participants are given in Table 1(A) and total of 98 students participated in the study with a mean age of 14.67 years. Among them 87.8% were boys and 12.2% were girls. Among the study samples, 21.4% of students were from 12 years of age and 18.4% of students were from age group of 15 to 16 years of age. Most of the student's father's educational level was at high school level (41.8% )and Mother's educational level was at middle school level (30.6%) and from the study samples 62.2% were tried tobacco. Maximum number(16.3%) of sample found consumed tobacco at the age of 14 years and among them consumed Gutkha (36.7%) ,cigarettes (14.3%), thev saddha/khaini (6.1%) and Bidi (5.1%) and only 37.8% were never used any types of Tobacco. 24.5% were consumed tobacco regularly. 52.1% were motivated to consumed tobacco from peer pressure.

Socio demogr	caphic Characteristics	Frequencies	Cumulative percentage				
Gender:	Boys	86	87.8				
	Girls	12	12.2				
Religion	Hindu	79	80.6				
	Muslim	14	94.9				
	others	5	5.1				

	12 years	21	21.4
	12 years	21 7	7.1
	14 years	17	17.3
Age :		17	17.5
	15 years		
	16 years	18	18.4
	17 years	7	7.1
	18 years	10	10.2
	VI(six standard)	30	30.6
Class	VII(seventh standard)	17	17.3
	VIII(eight standard)	9	9.2
	IX(nine standard)	11	11.2
	X(ten standard)	20	20.4
		-	
	XI(eleven standard)	6	6.1
	XII(twelve standard)	5	5.1
	Primary	8	8.2
Eath an's	Middle	22	22.4
Father's	High school	41	41.8
education	Higher secondary	20	20.4
	Graduate	20 7	7.1
	Primary	21	21.4
Mother's	Middle	30	30.6
Education	High school	29	29.6
Laucation	Higher secondary	15	15.3
	Graduate	3	3.1
	No occupation	3	3.1
	Govt job	11	11.2
Father's			
occupation	Private job	31	31.6
ovvupunon	Business	47	48.0
	Farmer	6	6.1
	Govt job	3	3.0
Mother's	Private job	14	14.2
occupation	business	15	15.3
occupation		-	
	House wives	66	67.3
Pocket money	Father	77	78.6
get from	Mother	18	18.4
get nom	Others family members	3	3.1
Try to			
experience of	No	37	37.8
consume	Yes	61	62.2
tobacco		37	37.8
tobacco	Not consume		57.0
tobacco	Not consume		2.1
tobacco	11 years	3	3.1
tobacco	11 years 12years	3 3	3.1
	11 years	3	3.1 10.2
Age when first	11 years 12years	3 3	3.1
	11 years 12years 13years 14years	3 3 10 16	3.1 10.2 16.3
Age when first	11 years 12years 13years 14years 15years	3 3 10 16 10	3.1 10.2 16.3 10.2
Age when first	11 years 12years 13years 14years 15years 16years	3 3 10 16 10 11	3.1 10.2 16.3 10.2 11.2
Age when first	11 years 12years 13years 14years 15years 16years 17years	3 3 10 16 10 11 3	3.1 10.2 16.3 10.2 11.2 3.1
Age when first	11 years 12years 13years 14years 15years 16years 17years 18years	3 3 10 16 10 11 3 5	3.1 10.2 16.3 10.2 11.2 3.1 5.1
Age when first	11 years 12years 13years 14years 15years 16years 17years 18years Not used	3 3 10 16 10 11 3 5 37	3.1 10.2 16.3 10.2 11.2 3.1 5.1 37.8
Age when first try tobacco	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette	3 3 10 16 10 11 3 5 37 14	3.1 10.2 16.3 10.2 11.2 3.1 5.1 37.8 14.3
Age when first try tobacco Types of tobacco	11 years 12years 13years 14years 15years 16years 17years 18years Not used Circrette	3 3 10 16 10 11 3 5 37	3.1 10.2 16.3 10.2 11.2 3.1 5.1 37.8
Age when first	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette	3 3 10 16 10 11 3 5 37 14	3.1 10.2 16.3 10.2 11.2 3.1 5.1 37.8 14.3
Age when first try tobacco Types of tobacco	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha	$     \begin{array}{r}       3 \\       3 \\       10 \\       16 \\       10 \\       11 \\       3 \\       5 \\       \overline{} \\       14 \\       6 \\       36 \\       \end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ \hline 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \end{array}$
Age when first try tobacco Types of tobacco	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi	$ \begin{array}{c} 3 \\ 10 \\ 16 \\ 10 \\ 11 \\ 3 \\ 5 \\ 37 \\ 14 \\ 6 \\ 36 \\ 5 \\ \end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ \hline 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \end{array}$
Age when first try tobacco Types of tobacco	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume	$ \begin{array}{r} 3 \\ 10 \\ 16 \\ 10 \\ 11 \\ 3 \\ 5 \\ 37 \\ 14 \\ 6 \\ 36 \\ 5 \\ 23 \\ \end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ 23.5 \end{array}$
Age when first try tobacco Types of tobacco used	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume Father	$ \begin{array}{r} 3 \\ 10 \\ 16 \\ 10 \\ 11 \\ 3 \\ 5 \\ 37 \\ 14 \\ 6 \\ 36 \\ 5 \\ 23 \\ 50 \\ \end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ 23.5 \\ 51.0 \end{array}$
Age when first try tobacco Types of tobacco used Family used	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume Father Mother	$ \begin{array}{c} 3 \\ 10 \\ 16 \\ 10 \\ 11 \\ 3 \\ 5 \\ 37 \\ 14 \\ 6 \\ 36 \\ 5 \\ 23 \\ 50 \\ 4 \\ \end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ 23.5 \\ 51.0 \\ 4.1 \end{array}$
Age when first try tobacco Types of tobacco used	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume Father Mother Brother	$ \begin{array}{c} 3 \\ 10 \\ 16 \\ 10 \\ 11 \\ 3 \\ 5 \\ 37 \\ 14 \\ 6 \\ 36 \\ 5 \\ 23 \\ 50 \\ 4 \\ 11 \\ \end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ 23.5 \\ 51.0 \\ 4.1 \\ 11 \end{array}$
Age when first try tobacco Types of tobacco used Family used	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume Father Mother	$ \begin{array}{c} 3 \\ 3 \\ 10 \\ 16 \\ 10 \\ 11 \\ 3 \\ 5 \\ 37 \\ 14 \\ 6 \\ 36 \\ 5 \\ 23 \\ 50 \\ 4 \\ 11 \\ 2 \\ \end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ \hline 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ \hline 23.5 \\ 51.0 \\ 4.1 \\ 11 \\ 2.0 \end{array}$
Age when first try tobacco Types of tobacco used Family used	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume Father Mother Brother	$ \begin{array}{c} 3 \\ 10 \\ 16 \\ 10 \\ 11 \\ 3 \\ 5 \\ 37 \\ 14 \\ 6 \\ 36 \\ 5 \\ 23 \\ 50 \\ 4 \\ 11 \\ \end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ 23.5 \\ 51.0 \\ 4.1 \\ 11 \end{array}$
Age when first try tobacco Types of tobacco used Family used tobacco	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume Father Mother Brother Sister Relatives	$ \begin{array}{c} 3 \\ 10 \\ 16 \\ 10 \\ 11 \\ 3 \\ 5 \\ 37 \\ 14 \\ 6 \\ 36 \\ 5 \\ 23 \\ 50 \\ 4 \\ 11 \\ 2 \\ \end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ 23.5 \\ 51.0 \\ 4.1 \\ 11 \\ 2.0 \\ 8.2 \end{array}$
Age when first try tobacco Types of tobacco used Family used tobacco Friend used	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume Father Mother Brother Sister Relatives Not consume	$ \begin{array}{c} 3 \\ 3 \\ 10 \\ 16 \\ 10 \\ 11 \\ 3 \\ 5 \\ 37 \\ 14 \\ 6 \\ 36 \\ 5 \\ 23 \\ 50 \\ 4 \\ 11 \\ 2 \\ 8 \\ 16 \\ \end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ 23.5 \\ 51.0 \\ 4.1 \\ 11 \\ 2.0 \\ 8.2 \\ 16.3 \end{array}$
Age when first try tobacco Types of tobacco used Family used tobacco	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume Father Mother Brother Sister Relatives Not consume Some of them	$ \begin{array}{c} 3 \\ 3 \\ 10 \\ 16 \\ 10 \\ 11 \\ 3 \\ 5 \\ 37 \\ 14 \\ 6 \\ 36 \\ 5 \\ 23 \\ 50 \\ 4 \\ 11 \\ 2 \\ 8 \\ 16 \\ 35 \\ \end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ 23.5 \\ 51.0 \\ 4.1 \\ 11 \\ 2.0 \\ 8.2 \\ 16.3 \\ 35.7 \end{array}$
Age when first try tobacco Types of tobacco used Family used tobacco Friend used	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume Father Mother Brother Sister Relatives Not consume Some of them All of them	$ \begin{array}{c} 3 \\ 3 \\ 10 \\ 16 \\ 10 \\ 11 \\ 3 \\ 5 \\ 37 \\ 14 \\ 6 \\ 36 \\ 5 \\ 23 \\ 50 \\ 4 \\ 11 \\ 2 \\ 8 \\ 16 \\ 35 \\ 47 \\ \end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ 23.5 \\ 51.0 \\ 4.1 \\ 11 \\ 2.0 \\ 8.2 \\ 16.3 \\ 35.7 \\ 47.9 \end{array}$
Age when first try tobacco Types of tobacco used Family used tobacco Friend used tobacco	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume Father Mother Brother Sister Relatives Not consume Some of them All of them	$ \begin{array}{r} 3\\3\\10\\16\\10\\11\\3\\5\\37\\14\\6\\36\\5\\23\\50\\4\\11\\2\\8\\16\\35\\47\\42\end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ 23.5 \\ 51.0 \\ 4.1 \\ 11 \\ 2.0 \\ 8.2 \\ 16.3 \\ 35.7 \\ 47.9 \\ 24.9 \end{array}$
Age when first try tobacco Types of tobacco used Family used tobacco Friend used tobacco Day of tobacco	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume Father Mother Brother Sister Relatives Not consume Some of them All of them Regularly	$ \begin{array}{c} 3\\3\\10\\16\\10\\11\\3\\5\\37\\14\\6\\36\\5\\23\\50\\4\\11\\2\\8\\16\\35\\47\\42\\24\end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ 23.5 \\ 51.0 \\ 4.1 \\ 11 \\ 2.0 \\ 8.2 \\ 16.3 \\ 35.7 \\ 47.9 \\ 24.9 \\ 24.5 \end{array}$
Age when first try tobacco Types of tobacco used Family used tobacco Friend used tobacco	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume Father Mother Brother Sister Relatives Not consume Some of them All of them	$ \begin{array}{r} 3\\3\\10\\16\\10\\11\\3\\5\\37\\14\\6\\36\\5\\23\\50\\4\\11\\2\\8\\16\\35\\47\\42\end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ 23.5 \\ 51.0 \\ 4.1 \\ 11 \\ 2.0 \\ 8.2 \\ 16.3 \\ 35.7 \\ 47.9 \\ 24.9 \end{array}$
Age when first try tobacco Types of tobacco used Family used tobacco Friend used tobacco Day of tobacco	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume Father Mother Brother Sister Relatives Not consume Some of them All of them Regularly Once in a week	$ \begin{array}{c} 3\\3\\10\\16\\10\\11\\3\\5\\37\\14\\6\\36\\5\\23\\50\\4\\11\\2\\8\\16\\35\\47\\42\\24\end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ \hline 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ \hline 23.5 \\ 51.0 \\ 4.1 \\ 11 \\ 2.0 \\ 8.2 \\ \hline 16.3 \\ 35.7 \\ 47.9 \\ \hline 24.9 \\ 24.5 \\ 14.3 \end{array}$
Age when first try tobacco Types of tobacco used Family used tobacco Friend used tobacco Day of tobacco	11 years 12years 13years 14years 15years 16years 17years 18years Not used Cigarette Sadha Gutkha Bidi Not consume Father Mother Brother Sister Relatives Not consume Some of them All of them Regularly	$ \begin{array}{c} 3\\3\\10\\16\\10\\11\\3\\5\\37\\14\\6\\36\\5\\23\\50\\4\\11\\2\\8\\16\\35\\47\\42\\24\\14\end{array} $	$\begin{array}{c} 3.1 \\ 10.2 \\ 16.3 \\ 10.2 \\ 11.2 \\ 3.1 \\ 5.1 \\ 37.8 \\ 14.3 \\ 6.1 \\ 36.7 \\ 5.1 \\ 23.5 \\ 51.0 \\ 4.1 \\ 11 \\ 2.0 \\ 8.2 \\ 16.3 \\ 35.7 \\ 47.9 \\ 24.9 \\ 24.5 \end{array}$

## Volume 9 Issue 11, November 2020

www.ijsr.net

Licensed Under Creative Commons Attribution CC BY

#### DOI: 10.21275/SR201012221155

International Journal of Science and Research (IJSR) ISSN: 2319-7064 SJIF (2019): 7.583

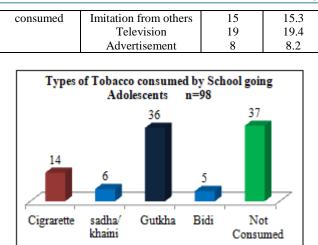
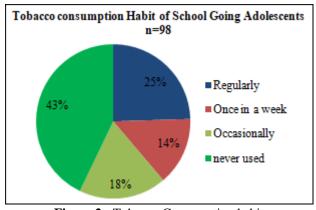
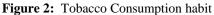


Figure 1: Types of Tobacco Consumption





#### Table 2: Motivational factors of Tobacco initiations, n=98

Motivational factors for tobacco initiation	Count / %	High	Average/ Moderate	Low	Total	Pearson Chi-Square	
0	Count	4	0	0	4	$X^2 = 23.300$	
0	%	9.3%	.0%	.0%	4.1%	df = 8	
Peer pressure	Count	24	26	2	52	P=.003*	
	%	55.8%	56.5%	22.2%	53.1%		
Imitation	Count	1	9	5	15		
Initation	%	2.3%	19.6%	55.6%	15.3%		
Television	Count	10	7	2	19	Fisher's Exact Test=20.309	
Television	%	23.3%	15.2%	22.2%	19.4%	P=.003*	
Advertisement	Count	4	4	0	8		
Advertisement	%	9.3%	8.7%	.0%	8.2%		
Total	Count	43	46	9	98		
Total	%	100.0%	100.0%	100.0%	100.0%		

Significant level is at P<0.01 (1%) level

### **Table 2:** Education and knowledge of health effect of tobacco consumption, n=98

<b>Table 21</b> Zaataalon and hilo (100ge of health effect of toolates tonsamption, if yo								
Education	Count / %	High	Average/ Moderate Low Total		Pearson Chi-Square			
VI	Count	5	10	15	30			
V I	%	22.7%	27.0%	38.5%	30.6%			
VII	Count	6	7	4	17	$X^2 = 30.673$		
VII	%	27.3%	18.9%	10.3%	17.3%	df = 12		
VIII	Count	0	4	5	9	P=.002		
VIII	%	.0%	10.8%	12.8%	9.2%			
IX	Count	3	3	5	11			
IA	%	13.6%	8.1%	12.8%	11.2%			
X - XI -	Count	2	12	6	20			
	%	9.1%	32.4%	15.4%	20.4%			
	Count	1	1	4	6	Fisher's Exact Test=24.141		
	%	4.5%	2.7%	10.3%	6.1%	Pisher's Exact Test=24.141 P = .009		
XII	Count	5	0	0	5	1 = .009		
	%	22.7%	.0%	.0%	5.1%			
+	Count	22	37	39	98			
Total	%	100.0%	100.0%	100.0%	100.0%			

Significant level is at P<0.01 (1%) level

#### Table 3: Knowledge of dangerous of consumption of tobacco, n=98

Knowledge on dangerous of tobacco consumption	Count / %	High	Average/ Moderate	Low	Total	Pearson Chi-Square	
Yes	Count	38	42	7	87	$X^2 = 1.395$	
	%	88.4%	91.3%	77.8%	88.8%	df = 2	
No	Count	5	4	2	11	P=.498	
	%	11.6%	8.7%	22.2%	11.2%		
Total	Count	43	46	9	98	Fisher's Exact Test=1.707	
	%	100.0%	100.0%	100.0%	100.0%	P=.400	

Significant level is at P<0.01 (1%) level

# Volume 9 Issue 11, November 2020

<u>www.ijsr.net</u>

Licensed Under Creative Commons Attribution CC BY

## 4. Discussion

Adolescent age group is more vulnerable for addiction of tobacco. Present study reflects that 87.8% boys and 12.2% of girls consumed tobacco. In the present study, the mean age of initiation of tobacco use was 14.67 Yrs, SD=1.93 Yrs, Range 12-18 Year. Similar findings regarding age of initiation was 12 years as per the study done by J Muttapppallymyalil et.al [7] in Kerala and Preeti Soni et.al in Delhi. As per the recent GYTS survey in India, the age of initiation of tobacco was before 10 years of age among middle age adolescents In the current study, smokeless form of tobacco is more prevalent than smoked form of tobacco i.e.36.7% and 14.2% were involved in smoked form of tobacco. The study also observed and supported the similar findings the study conducted in Gujarat by Makwana et. al [8] observed that the prevalence of tobacco chewing increases with age, that among the users, 66.2% had the habit of only tobacco chewing, 14.6% had the habit of only smoking, and 19.2% had the habit of both smoking and tobacco. In the current study, family members majority 51.0% of fathers and 11.2% of brother were consumed any forms of tobacco. In this study it was found that motivational factors of tobacco consumption was peer pressure chi-square =23.3 df=8 significant at 0.01(1%) level.kirubakaran S.Dongre et al [9].found that the major reasons initiating tobacco usage were peer pressure of (97.2%).Nearly (91.3%) of adolescent students were having moderate Knowledge on danger of tobacco consumption and 97% of adolescents were wanted to quit the tobacco consumption habit.

# 5. Conclusion

After conducting this study, it is clear that tobacco consumption among adolescents is on rising trends. Smokeless form of tobacco is more prevalent among adolescents. The common factors found responsible for tobacco consumption was peer pressure, use by family members. It need urgent public intervention like school based educational programs to discourage the uptake of tobacco among the adolescents, parental counseling is also very important. Various Health education programs should be provided to raise the level of awareness of the danger of tobacco consumption.

# References

- World Health Organization (WHO). Tobacco Free Initiative. Available at: http://www.who.int/ tobacco/en/. Accessed on 8 December 2009.
- [2] "WHO; Adolescent Development". Who.int. N.p., 2017. Available at: http://www.who.int/maternal \_child adolescent/topics/adolescence/dev/en/. Accessed on 8 March 2017.
- [3] Abdullah AS, Husten CG. Promotion of smoking cessation in developing countries: A framework for urgent public health interventions. Thorax. 2004; 59: 623-630. 4. Country profile India. Journal of Indian.
- [4] Global Youth Tobacco Survey: India 2009 Fact Sheet. Available at: http://www.who.int/fctc/reporting/

Annexoneindia.pdf [Accessed on December 25, 2015] Narain R, Sardana S, Gupta S, Sehgal A. Age

- [5] Ministry of Health and Family Welfare, Government of India. Global Adult Tobacco Survey: India Report 2009-10. New Delhi, India, 2010. Available from: http://whoindia.org/EN/Section 20/ Section 25\_1861.htm. [Last Accessed on 2011 Sep.
- [6] Singh V, Pal HR, Mehta M, Kapil U. Tobacco consumption and awareness of their health hazards amongst lower income group school children in National Capital Territory of Delhi. Indian Pediatr. 2007 Apr;44(4):293-5. PubMed PMID: 17468526.[PubMed]
- [7] J Muttapppallymyalil1, J Sreedharan, B Divakaran
   :Smokeless tobacco consumption among children
   :Indian Journal of Cancer: publication of year : 2010 |
   Volume : 47 | Issue : 5 | Page : 19-23.
- [8] Makwana Naresh R., Shah Viral R., Yadav Sudha: A Study on Prevalence of Smoking and Tobacco Chewing among Adolescents in rural areas of Jamnagar District, Gujarat State :Journal of Medical Sciences Research (JMSR) September 30, 2007.
- [9] Kirubakaran S, Dongre AR. Prevalence and Determinants of Tobacco Usage Among Youth (Age Group 15-24) in Peri-Urban area of Villupuram, Tamilnadu. Online J Health Allied Scs. 2014;13(3):3. Available at URL
- [10] Chadda R K &Sengupta S N :Tobacco use by Indian adolescents: TobInduc Dis. 2003; 1(2): 111–119. Published online 2002 Jun 15. doi:10.1186/1617-9625-1-2-111availableat https://www.ncbi.nlm.nih.gov/ pmc/articles/PMC2671647/ 3/12.
- [11] Park K. Park's textbook of Preventive and Social Medicine. 21st ed. Jabalpur: M/S Banarsidas Bhanot Publishers; 2011. p.633, 774,77
- [12] Medhi GK, Hazarika NC, Mahanta J. Tobacco and alcohol use among the youth of the agricultural tea industry in Assam, India. Southeast Asian J Trop Med Public Health 2006; 37(3): 581-6.