ANALYSIS OF TOBACCO USE AND ALCOHOL CONSUMPTION AMONG ADULTS IN TELANGANA (AGE 15 YEARS AND ABOVE)

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INTRODUCTION:

Alcohol and tobacco use is becoming more common every day in our society. Tobacco can forever damage a person's internal organs, while alcohol can cause major damage to a person's body as well as the people surrounding him/her. Although the public knows about the negative effects of these products, people still continue to use the substances without thinking twice.

Smoking is a greater cause of death and disability than any single disease. It is responsible for about 3.5 million deaths worldwide every year - or about 7% of all deaths. Women who smoke increase fatality risk by nearly 12 times. Lung cancer is difficult to treat - long-term survival rates are poor. Smoking also increases the risk of oral, uterine, liver, kidney, bladder, stomach, and cervical cancers, and leukemia. Another health problem associated with tobacco is emphysema, which, when combined with chronic bronchitis, produces chronic obstructive pulmonary disease.

Alcohol is highly toxic to almost every organ in the body but when alcohol is taken in allowed limits amounts it is detoxified by the liver and therefore does little or no harm to the body. Alcohol can cause cancer, liver disease, heart attacks, and brain damage, to mention a few. Alcohol and tobacco use does not only affect youth especially students' health-wise it also affects their academic performance, but it also affects them financially, psychologically, physically, and ultimately students may suffer some legal consequences.

In this study we look at; level of consumption of alcohol and tobacco in different areas of Telangana state; shown the ratio of alcohol and tobacco intake by males and females above 15 years at different regions and finally the areas where GOVT should take measures to control the alcoholic dependence of people.

PROMPT: Analysis of Tobacco Use and Alcohol Consumption among Adults in Telangana (age 15 years and above).
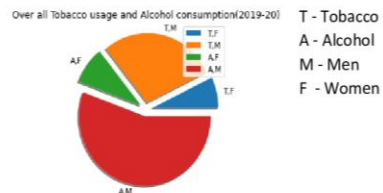
Dataset: We've used NFHS.xlsm dataset.

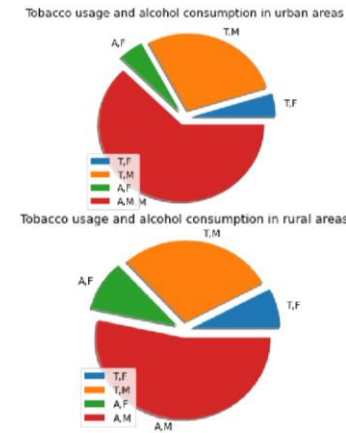| SL.No	Category	Indicators (2019-20)	Urban	Rural	Total (2019-20)
1	Tobacco Use and Alcohol Consumption among Adults	101. Women age 15 years and above who use any kind of tobacco (%)	2.6	7.2	5.6
2	Tobacco Use and Alcohol Consumption among Adults	102. Men age 15 years and above who use any kind of tobacco (%)	15.2	26.5	22.3
3	Tobacco Use and Alcohol Consumption among Adults	103. Women age 15 years and above who consume alcohol (%)	2.6	6.7	6.7
4	(age 15 years and above)	104. Men age 15 years and above who consume alcohol (%)	33.9	49	43.3

Total (2015-16)	Adilabad	Bhadradri	Hyderabad	Jagtial	Jangaon	Jayashankar	Jogulamba	Kamareddy	Karimnagar	Khammam	KumurumBh	Mahabubabad	Mahabubn
na	11	4.7	1.7	11.2	4.1	5.6	9.7	5.6	5.7	2	12.8	5	7.5
na	29.7	28.4	12.4	23.5	27.1	27.4	23.7	25.7	19.3	19.5	32.7	28.1	25.3
na	2.1	2.9	0.7	2.6	11.3	4.3	7.1	16.7	5.6	1.3	3	12.6	8
na	28.3	38.8	28	47.6	60.6	53.1	34.6	41.8	45.8	31.8	38.4	56.5	42.9

RESULT:

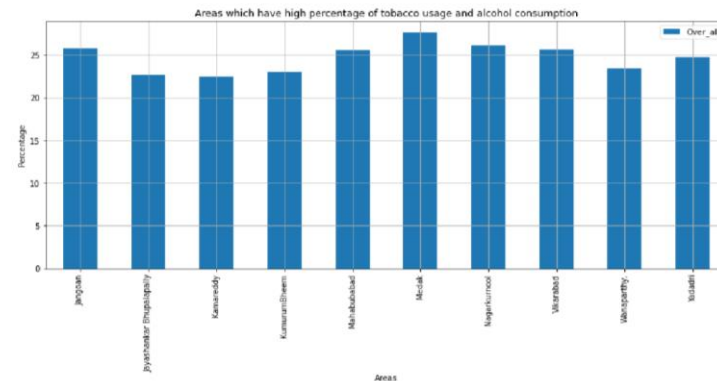### 1. Tobacco usage and alcohol consumption by men and women form 2019-20 in Telangana.

Over all Tobacco usage and Alcohol consumption(2019-20)

T - Tobacco
A - Alcohol
M - Men
F - Women

2. Tobacco usage and alcohol consumption in urban and rural areas.

Tobacco usage and alcohol consumption in urban areas

Tobacco usage and alcohol consumption in rural areas

3. Over all observation on the prompt.

Areas which have high percentage of tobacco usage and alcohol consumption
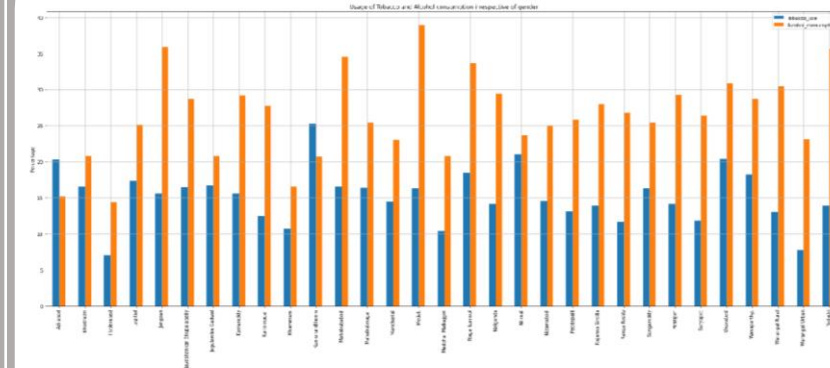
a. Based on analysis, these are the top ten areas where overall consumption of both tobacco and alcohol is high.
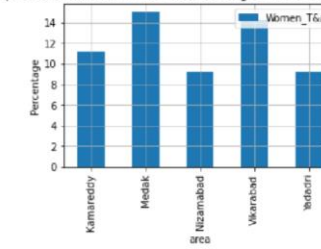
Medak : 27.6, Nagarkurnool : 26.075, Jangoan : 25.775, Vikarabad : 25.625, Mahabubabad : 25.549, Yadadri : 24.775, Wanaparthy : 23.45, KumurumBheem : 22.975, Jayashankar Bhupalapally : 22.6, Kamareddy : 22.45

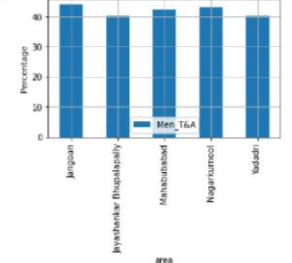### 4. Tobacco usage and alcohol usage irrespective of gender:

5. Men and Women among both tobacco and alcohol consumption:

Top 5 areas based on women tobacco usage and alcohol consumption

Top 5 areas based on men tobacco usage and alcohol consumption

Based on the analysis, there are so many areas where GOVT should take measures to control the alcoholic dependence and tobacco usage among people.

CONCLUSION:

This analysis gives better data visualization on percentage of Tobacco and Alcohol consumption. Based on our analysis, our first finding is that; In the places like Medak, Nagarkurnool , Kamareddy etc., there is less control among people about tobacco and alcohol consumption using bar graphs. GOVT should monitor and control the sales and quality of Tobacco and alcohol. People at those places should be educated about the harms and difficulties they will face by consuming them. Secondly, men are more addicted to them and women percentage is also high using pie chart. This will also affect our next generations. and finally, overall consumption rate is observed visually through bar graphs.

REFERENCES:

1. https://docs.google.com/spreadsheets/d/1DeLYgfnVYtPrNa1nomVzjXHJeFIcz923/edit?usp=sharing&ouid=105336180941317630214&rtpof=true&sd=true
2. https://matplotlib.org/stable/contents.html