

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:

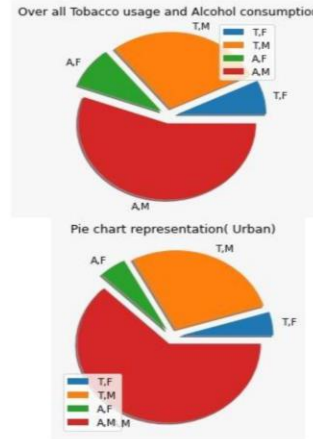
We've used NFHS.xlsm dataset.

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	9	6.7
4	Tobacco Use and Alcohol Consumption among Adults	104. Men age 15 years and above who consume alcohol (%)	33.9	49	43.3

Total (2019-20)	Adilabad	Bhadrachalam	Hyderabad	Jagati	Jangoan	Jayashankar	Jogulamba	Kamareddy	Sarimamra	Khammam	Kumarambath	Mahabubabad	Mahabubnagar
na	11	4.7	1.7	11.2	4.1	5.6	9.7	5.6	5.7	2	12.8	9	7.5
na	29.7	28.4	12.4	23.5	27.1	27.4	23.7	25.7	19.3	19.5	37.7	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	49.8	31.8	38.4	56.5	42.9

RESULT:

1. Pie chart representation of Percentage of Tobacco usage and alcohol consumption by males and females form 2019-20 in Telangana.

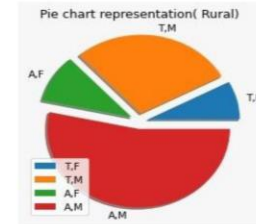


T.F = Tobacco consumption percentage of females

T.M = Tobacco consumption percentage among males

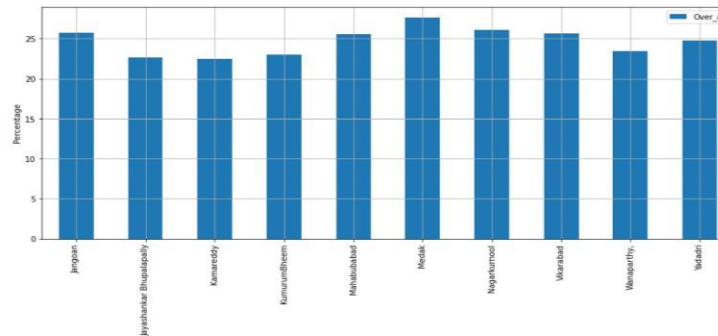
A.F = Alcohol consumption among females

A.M = Alcohol consumption among males



- We can observe Alcohol consumption among males in Telangana is a major concern.
- There are some places, where tobacco is major concern compared to alcohol consumption based on bar graph visualization.

2. Overall observation on this prompt:

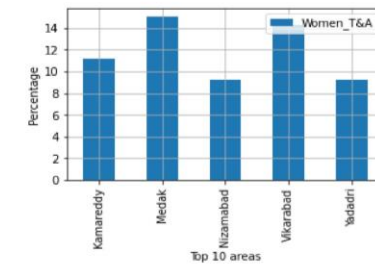


- Based on analysis, these are the top ten areas where overall consumption of both tobacco and alcohol is high.

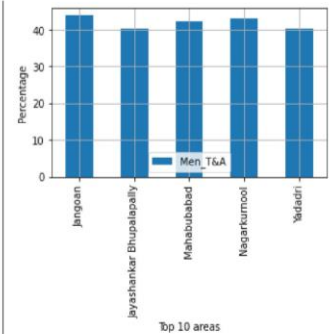
Medak : 27.6,
Nagarkurnool : 26.075
Jangoan : 25.775
Vikarabad : 25.625
Mahabubabad : 25.549

Yadadri : 24.775
Wanaparthy : 23.45
Kumarambath : 22.975
Jayashankar Bhupalapally : 22.6
Kamareddy : 22.45

3. Men and Women towards Alcohol consumption:



Top 5 areas where Women's Tobacco and Alcohol consumption percentage is high.



Top 5 areas where Men's Tobacco and Alcohol consumption percentage is high.

- 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/1DeLYqfnVYtPrNa1nomVzjXHJeFicz923/edit?usp=sharing&oid=105336180941317630214&rtopof=true&sd=true>
2. <https://matplotlib.org/stable/contents.html>

