

## **An overview of tobacco related cancers in Patan district, Gujarat state**

**Author:** Jivarajani Parimal J\*, Solanki Jayesh B\*\*, Shah Prachi K.\*\*\*, Patel Himanshu V\*\*, Pandya Vishruti B\*\*\*\*

**ABSTRACT:** Tobacco is the single most important cause of avoidable morbidity and early mortality in many countries. In India approximately 700,000-900,000 new cancers are diagnosed every year. Nearly half of all cancers in men and one fifth of cancers in women are tobacco related cancers. The present study was conducted to examine the proportion of tobacco related cancers, their age distribution and geographical variations in Patan district, Gujarat. All new cases of tobacco related cancers diagnosed during the year 2011 were included in the study. Apart from Gujarat Cancer & Research Institute, cancer data were also obtained from government hospitals, private hospitals& consultants, pathology laboratories and death registration units of Patan district and other districts. During the year 2011, a total of 472 new cases (Males: 310; Females: 162) were registered. Among them 214 cases were tobacco related cancers with a male preponderance (189 cases). Majority of the cases were in the age group of 35-64 years. Tongue Cancer was the commonest site in both sexes. Patan taluka had highest tobacco related cancers. This study implies an urgent need for tobacco control among the population of Patan district as tobacco is the most common risk factor of cancer occurrence.

**Key Words:** Tobacco related cancers, Proportion, Age, Gender, Taluka

---

\* Associate Professor and Head, M.D. (P.S.M.)

\*\* Statistical Assistant, B.Sc. (Statistics)

\*\*\*Biostatistician, M.Sc. (Statistics)

\*\*\*\* Jr. Statistical Assistant , M.Sc. (Statistics)