### ****Key Performance Indicators (KPIs) for Thyroid Disease Analysis****

**Patient Demographics**

* 1. **Total Patients**: Total number of patients in the dataset.
  2. **Average Age**: Average age of the patients.
  3. **Gender Distribution**: Percentage of male and female patients.
  4. **Smoking Prevalence**: Percentage of patients who are smokers.

**Disease Characteristics**

* 1. **Thyroid Function Distribution**: Percentage of patients with different thyroid function statuses.
  2. **Physical Examination Findings**: Distribution of physical examination results (e.g., multinodular goiter, single nodular goiter).
  3. **Types of Thyroid Cancer**: Percentage of each type of thyroid cancer (e.g., Papillary, Micropapillary).

**Risk and Severity Indicators**

* 1. **Cancer Risk Levels**: Distribution of cancer risk levels (low, intermediate, high).
  2. **Tumor Size Distribution**: Distribution of tumor sizes (e.g., T1a, T2).
  3. **Lymph Node Involvement**: Percentage of patients with lymph node involvement (e.g., N0, N1a, N1b).
  4. **Metastasis Status**: Percentage of patients with and without metastasis.

**Treatment Outcomes**

* 1. **Treatment Response Rates**: Distribution of treatment responses (e.g., excellent, structural incomplete).
  2. **Cancer Recurrence Rate**: Percentage of patients who experienced cancer recurrence.
  3. **Stage of Cancer at Diagnosis**: Distribution of cancer stages (e.g., Stage I, II, III, IV).

**Survival and Prognosis**

* 1. **Survival Rates**: If available, survival rates based on stages, treatment, etc.
  2. **Prognosis Correlation**: Correlation between different risk factors and treatment outcomes.