

# Diabetic Patients Analysis

BMI Level \_\_

Normal Weight

Obese

Overweight

Underweight

Total Patients

100K

Average Age

41.89

Average HbA1c

level  
5.5

Average BMI

level  
27.3

Average Blood Glucose

Level  
138.1

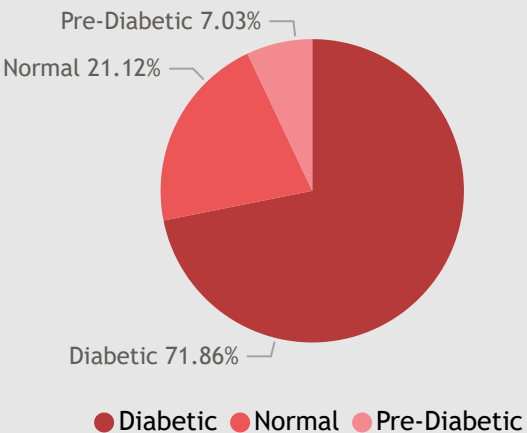
Age Group

All

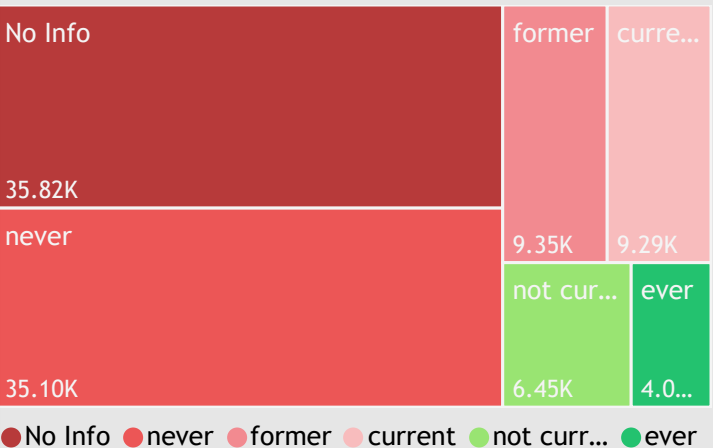
Glucose Level

All

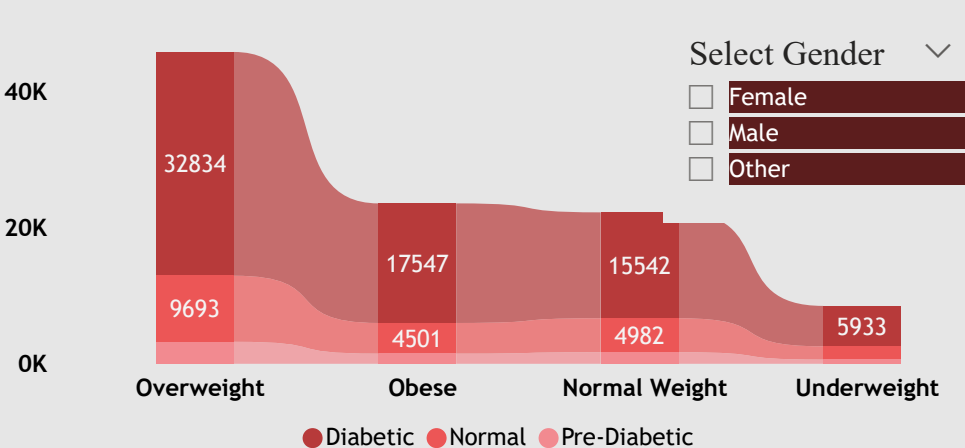
No. of Patients w.r.t Diabetics



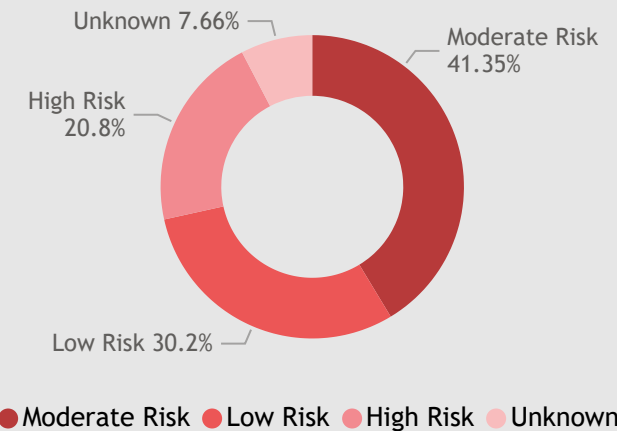
No. of Patients w.r.t Smokers



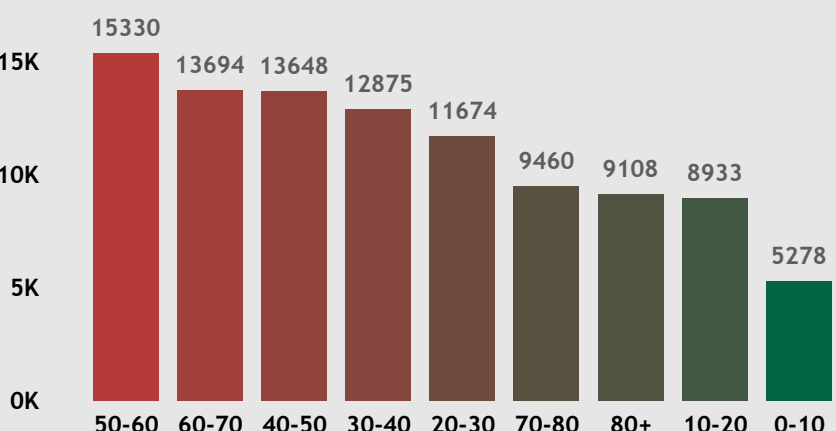
No. of Patients w.r.t BMI & Diabetic



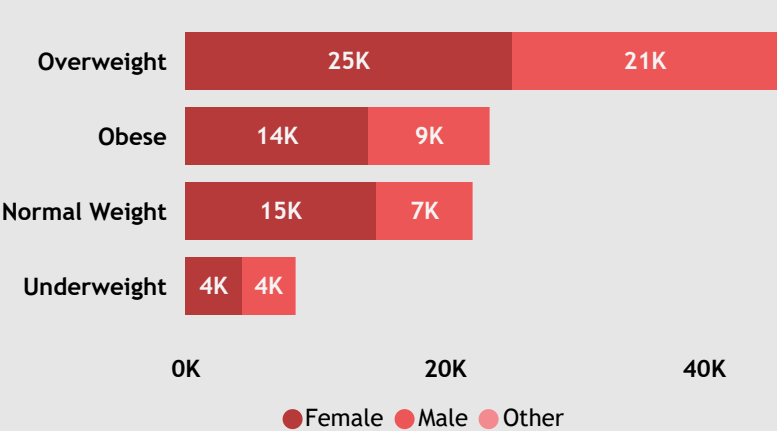
No. of Patients w.r.t HbA1c Level



No. of Patients w.r.t Age



No. of Patients w.r.t BMI



# Diabetic Patients Analysis

Total Patients

100K

Diabetes Patients

72K

Normal Patients

21K

Total Pre Diabetic

7025

Age Group

All

Glucose Level

All

BMI Level

All

BMI Level \_\_

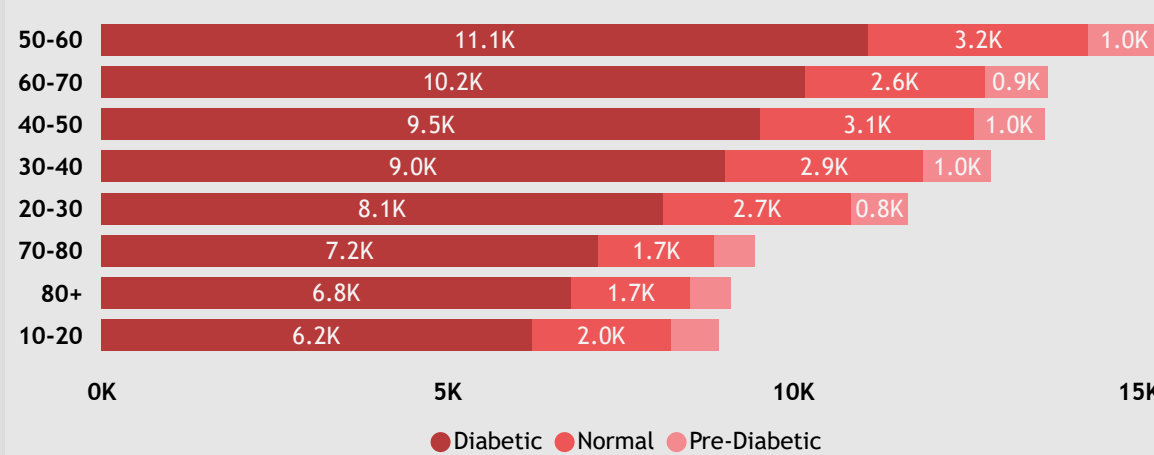
Normal Weight

Obese

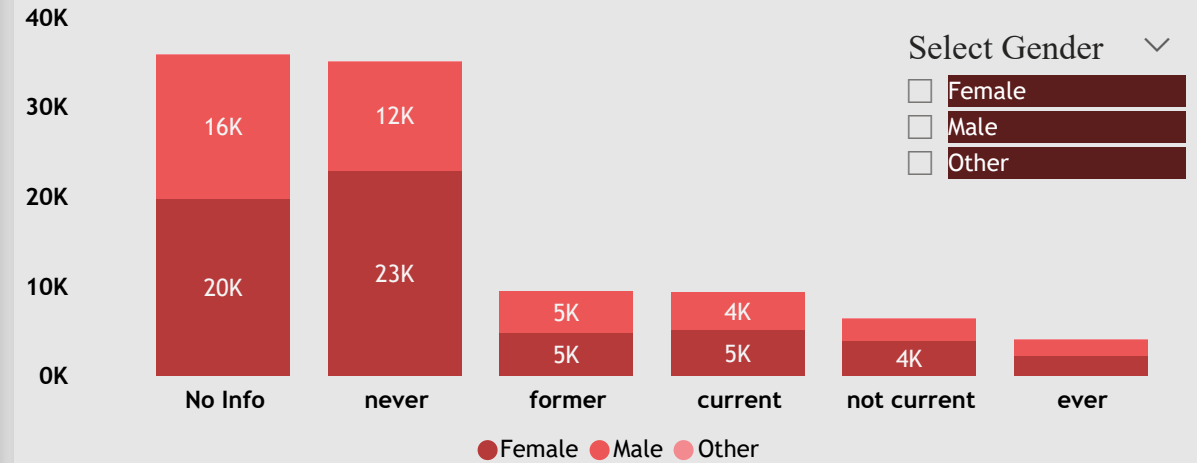
Overweight

Underweight

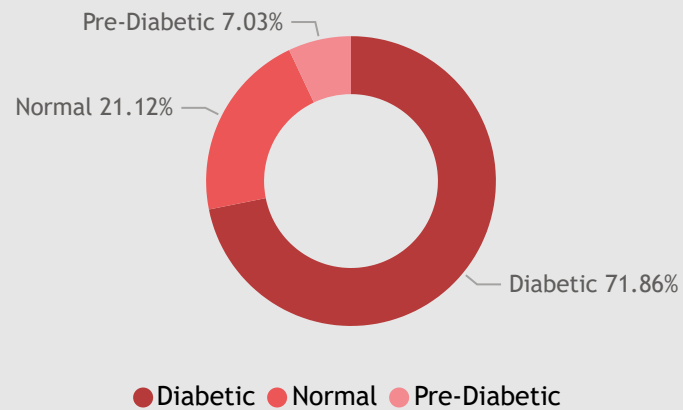
No. of Patients w.r.t Diabetic & Age group



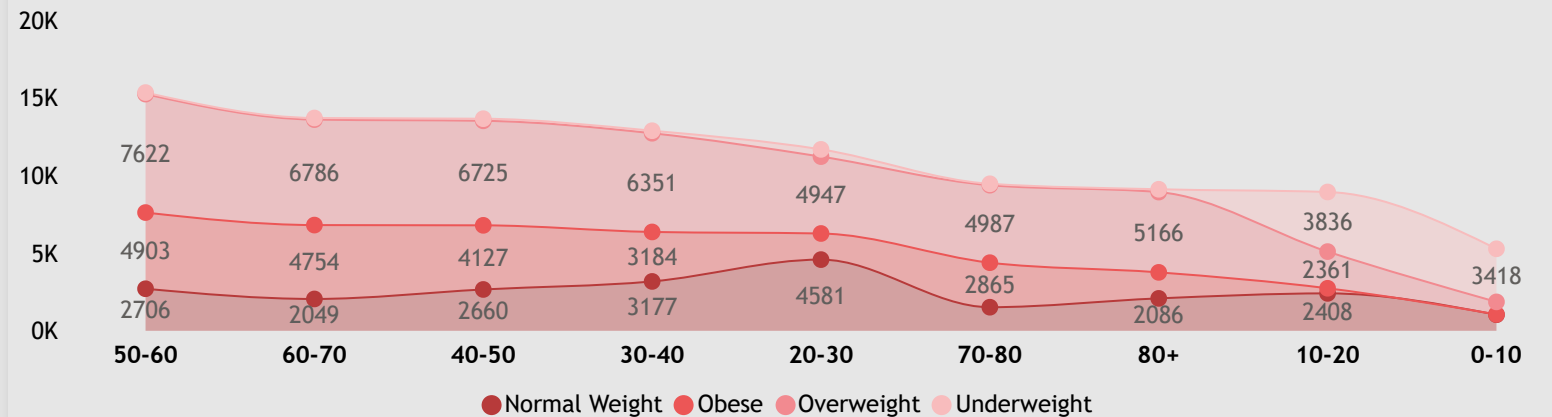
Count of Patients by smoking\_history and Gender



No. of Patients w.r.t Diabetics



No. of Patients w.r.t Age and BMI



## Diabetic Patients Analysis

### Key Insights Recommendation

- 1. High HbA1c Levels:** A considerable number of patients have HbA1c levels indicating moderate to high risk. Recommendations include targeted interventions and closer monitoring.
- 2. BMI Distribution:** A significant percentage of patients fall into overweight and obese BMI categories. Encourage lifestyle modifications and weight management programs.
- 3. Age and Diabetic Status:** Diabetic patients are distributed across various age ranges, indicating the need for age-specific diabetes management strategies.
- 4. Smoking and Diabetes:** Explore the impact of smoking on diabetes. Consider implementing smoking cessation programs for diabetic patients who smoke.

### Conclusion:

This report provides a comprehensive analysis of the **diabetic patient dataset**, blending **DAX** powered insights with traditional analytics. The utilization of DAX enhances the **granularity** and **specificity** of the analysis, **offering actionable insights** for healthcare professionals and **policymakers**. By leveraging these insights, targeted interventions can be implemented, leading to improved **patient outcomes** and contributing to the broader goal of **public health**.

This report aims to showcase not only the **traditional analytics** but also the power of DAX in extracting **granular insights** from the dataset. The combination of both approaches enhances the **depth** and **accuracy** of the analysis, providing a **robust foundation for data-driven decision-making in diabetes management**.