Viz - Prem Mandal

Diabetic Patients Analysis

BMI Level _

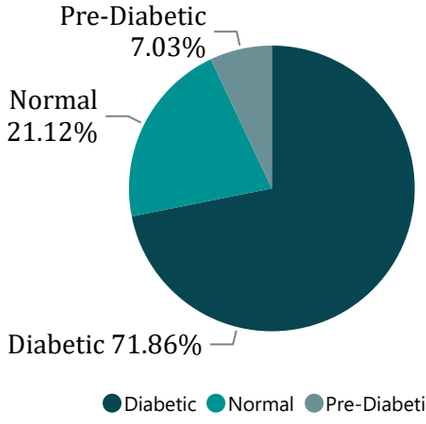
Normal Weight | Obese | Overweight | Underweight

Total Patients	Average Age	Average HbA1c level	Average BMI level	Average Blood Glucose Level
100.0K	41.9	5.5	27.3	138.1

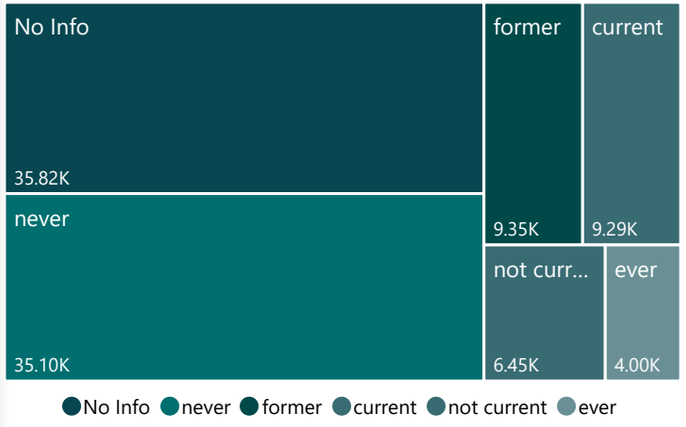
Age Group: All

Glucose Level: All

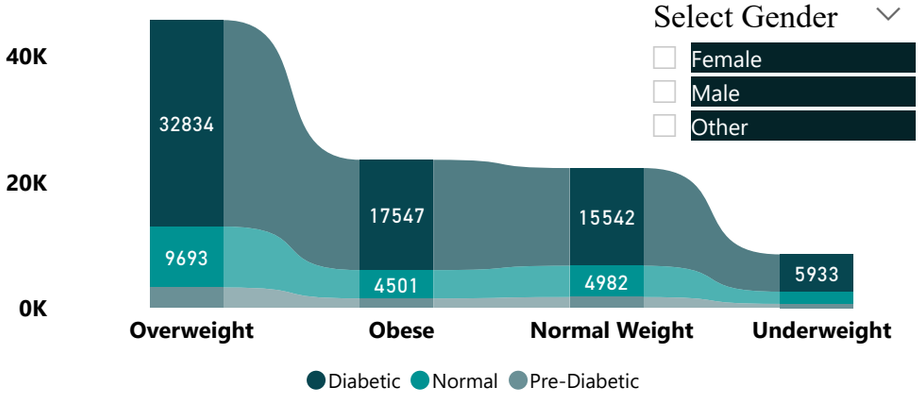
No. of Patients w.r.t Diabetics



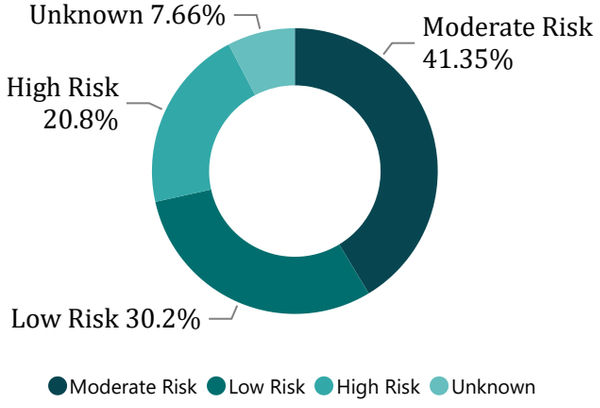
No. of Patients w.r.t Smokers



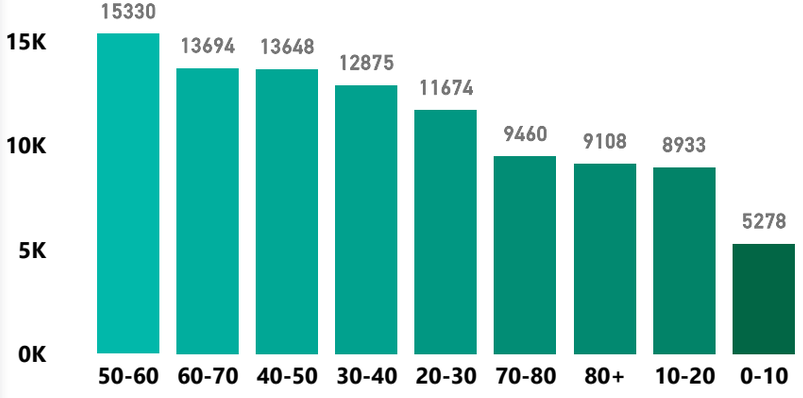
No. of Patients w.r.t BMI & Diabetic



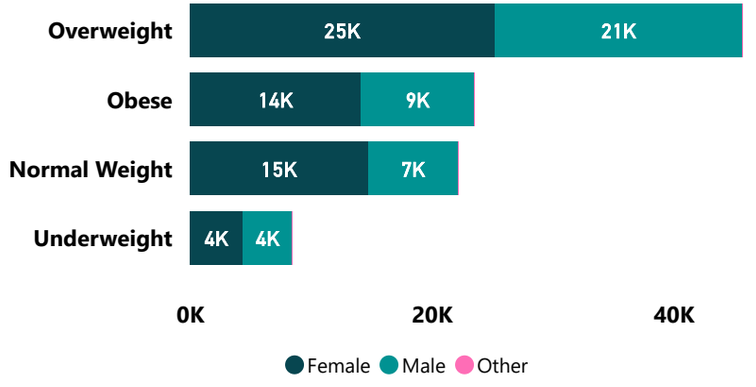
No. of Patients w.r.t HbA1c Level



No. of Patients w.r.t Age



No. of Patients w.r.t BMI



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Diabetic Patients Analysis

BMI Level _

Normal Weight | Obese | Overweight | Underweight

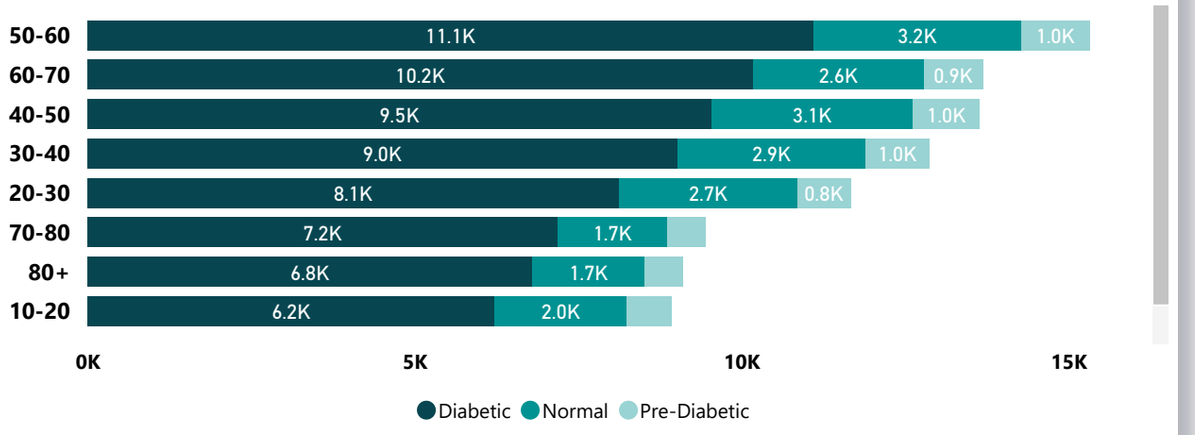
Total Patients	Diabetes Patients	Normal Patients	Total Pre Diabetic
100.00K	72K	21K	7025

Age Group: All

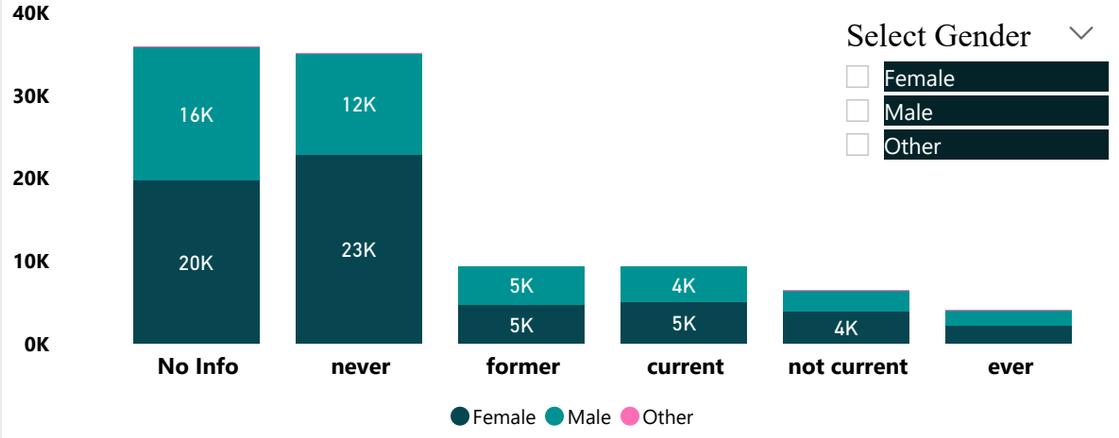
Glucose Level: All

BMI Level: All

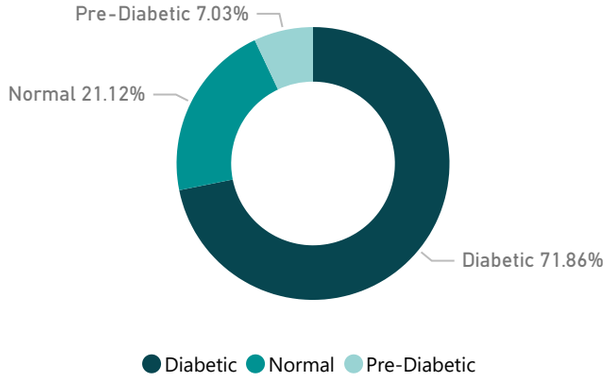
No. of Patients w.r.t Diabetic & Age group



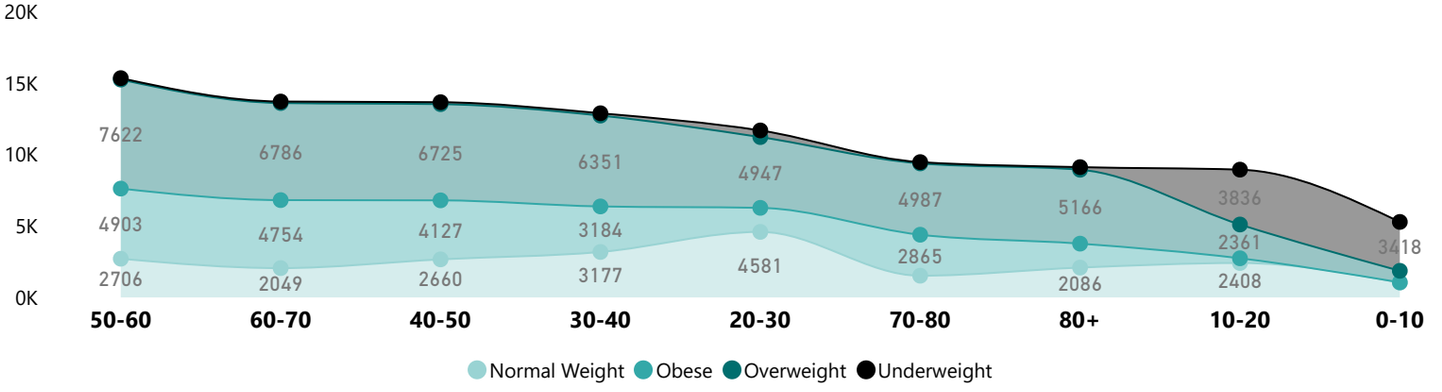
Count of Patients by smoking_history and Gender



No. of Patients w.r.t Diabetics



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



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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.**