



Patient Information

Patient_ID 17UA01



Age
42 Yrs



Heart Rate
70 bpm



Family History
Yes



BMI
23.90 kg/m



Blood Pressure (mm Hg)
120 80



Glucose Level (mg/dL)
100 120



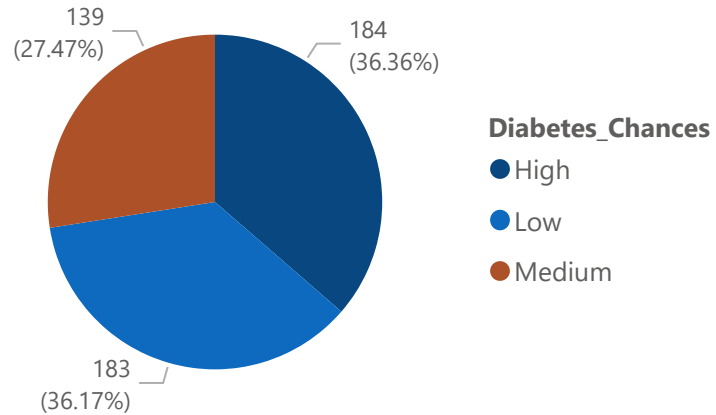
Diabetes Chances
Low

Age	SBP	DBP	Heart_Rate_bpm	Glucose_Level_Before_meals	Glucose_Level_After_meals	BMI	Family_History	Diabetes_Chances
25	120	80	70	90	110	23.90	0	Low
26	120	80	70	90	100	25.60	1	Low
27	110	70	90	80	110	22.90	0	Low
27	110	72	80	80	110	22.60	0	Low
27	110	75	65	90	85	24.80	0	Low
27	112	72	70	92	100	21.50	0	Low
27	115	75	68	80	100	24.80	1	Low
27	118	72	90	84	98	23.70	0	Low
27	120	70	90	95	90	25.30	0	Low
27	125	80	80	105	110	22.60	0	Low

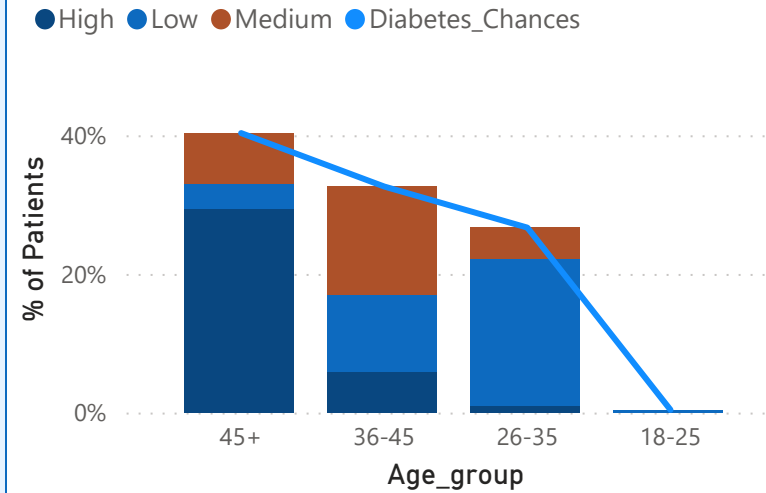


Effect of Health Vitals on Chances Level

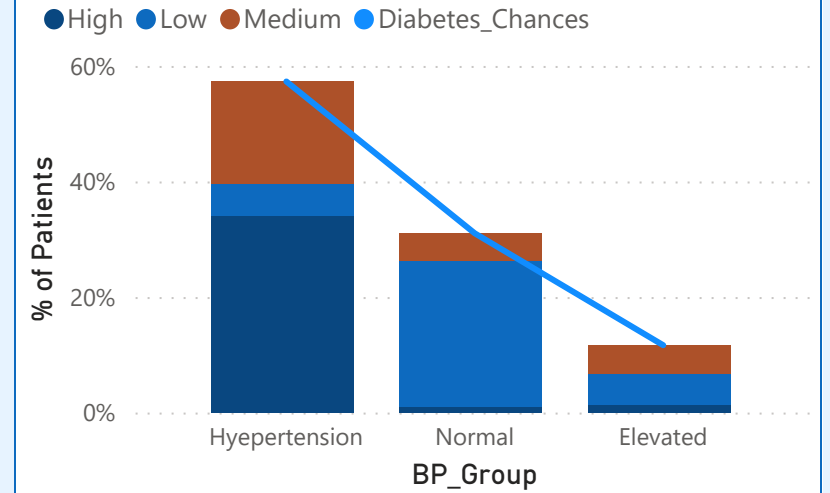
Chances Level Distribution



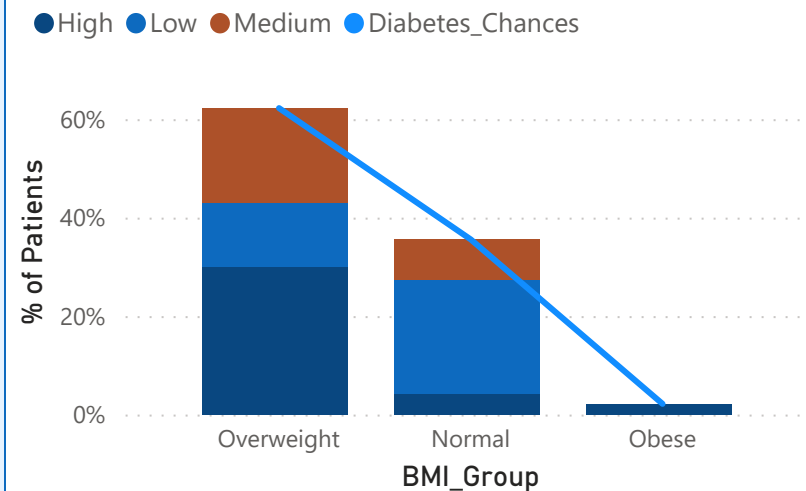
Chances Level by Age Group



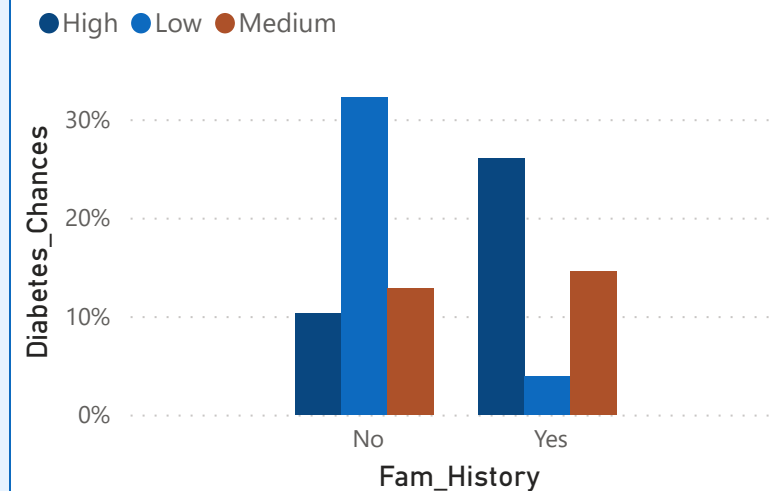
Chances Level by BP Group



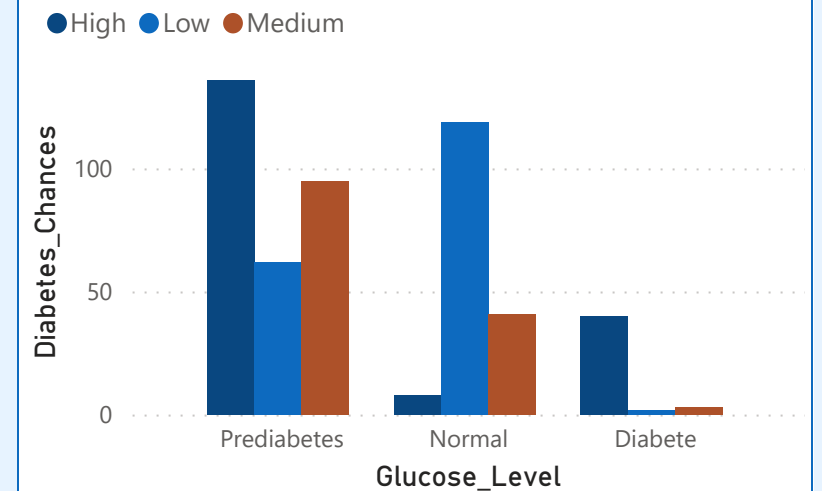
Chances level by BMI



Chances Level by Family History



Chances Level by Glucose Level





ML Model for Prediction Accuracy



Total Patients

506



High Chance Patients

Random Forest Classifier

85%

Prediction Accuracy

Recall



Precision



Feature Importance

