

Diabetes Risk Prediction Report

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Section 1: User Inputs

Feature	Value
HighBP	No
HighChol	Yes
CholCheck	Yes
BMI	50.0
GenHlth	3
MentHlth	30
PhysHlth	30
NoDocbcCost	Yes
Smoker	Yes
PhysActivity	Yes
Fruits	Yes
Veggies	Yes
HvyAlcoholConsump	Yes
Sex	Male
Age	35-39
Education	Never attended school
Income	\$35,000-\$50,000

Section 2: Prediction Results

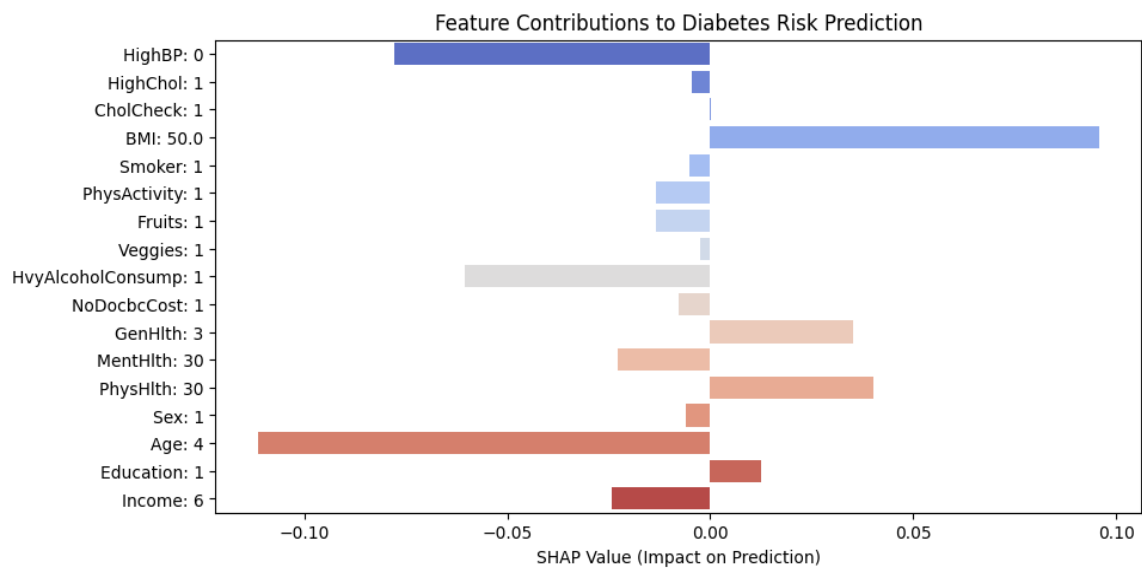
Probability of diabetes: 23.45%

Risk Level: Low risk (<30%)

Section 3: Key Factors Influencing the Prediction

Feature	Value	Impact	SHAP Value
Age	35-39	decreases	-0.112
BMI	50.0	increases	0.096
HighBP	No	decreases	-0.078
HvyAlcoholConsump	Yes	decreases	-0.060
PhysHlth	30	increases	0.040

Section 4: Feature Impact Visualization



Section 5: Health Tips

- Your BMI is high. Consulting a dietitian or starting a weight management
- program may help reduce your diabetes risk.

Disclaimer: This prediction is for informational purposes only.

Please consult a healthcare professional for a medical diagnosis.