

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

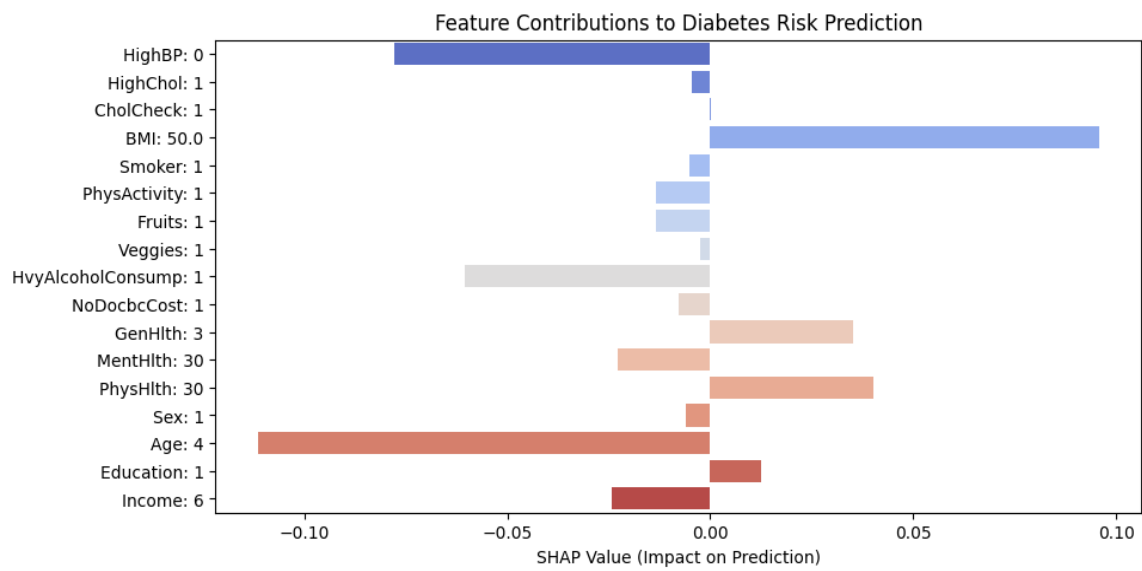
Probability of diabetes: 23.45%

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.