

Diabetes Risk Prediction Report

Generated on: 2025-04-10 12:38:55

Section 1: User Inputs

| Feature | Value |
|--|-----------------------|
| Do you have high blood pressure? | No |
| Do you have high cholesterol? | No |
| Have you had a cholesterol check in the last 5 years? | No |
| What is your Body Mass Index (BMI)? | 25.0 |
| How would you rate your general health? (1 = Excellent, 5 = Poor) | 3 |
| How many days in the past 30 days was your mental health not good? | 0 |
| How many days in the past 30 days was your physical health not good? | 0 |
| Were you unable to see a doctor due to cost in the past 12 months? | No |
| Have you smoked at least 100 cigarettes in your life? | No |
| Have you done physical activity in the past 30 days? | No |
| Do you consume fruit 1 or more times per day? | No |
| Do you consume vegetables 1 or more times per day? | No |
| Do you engage in heavy alcohol consumption? | No |
| What is your sex? | Female |
| What is your age category? | 18-24 |
| What is your education level? | Never attended school |
| What is your income category? | < \$10,000 |

Section 2: Prediction Results

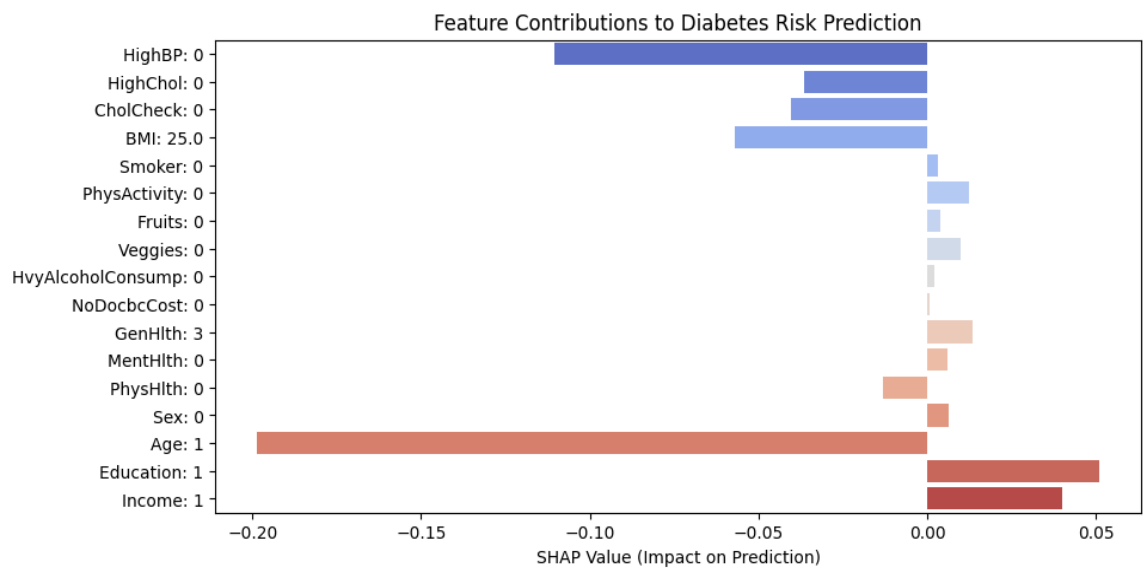
Probability of diabetes: 9.18%

Risk Level: Low risk (<30%)

Section 3: Key Factors Influencing the Prediction

| Feature | Value | Impact | SHAP Value |
|---|-----------------------|-----------|------------|
| What is your age category? | 18-24 | decreases | -0.198 |
| Do you have high blood pressure? | No | decreases | -0.111 |
| What is your Body Mass Index (BMI)? | 25.0 | decreases | -0.057 |
| What is your education level? | Never attended school | increases | 0.051 |
| Have you had a cholesterol check in the last 5 years? | No | decreases | -0.040 |

Section 4: Feature Impact Visualization



Section 5: Health Tips

No specific health tips based on your inputs. Maintain a healthy lifestyle to reduce your risk.

Disclaimer: This prediction is for informational purposes only.

Please consult a healthcare professional for a medical diagnosis.