Bias Detection Report

1. Bias Type: Correlation

2. Relevant Features: Race and Insurance Type

3. Chi-Square Test Results:

   - Chi-Square Statistic: 151.244

   - p-value: 1.075e-10

   - Degrees of Freedom: 56

   - Interpretation: The low p-value indicates a statistically significant association between race and insurance type, suggesting potential bias.

4. Visualization Insight: The stacked bar chart provides a visual representation of the distribution of insurance types across racial groups, enabling further exploration of patterns and potential biases.

Stacked Bar Chart of patient_race vs patient_insurance