

# Bias Detection Report

## Bias Analysis Report

### Bias Type: Distribution

### Relevant Feature: Ethnic\_Code\_Text

### Analysis Results:

#### Chi-Square Test

- Chi-Square Statistic: 53936.88
- p-value: 0.0
- Indication: Significant deviation from expected uniform distribution

#### Jensen-Shannon Divergence

- Value: 0.5162
- Indication: Moderate bias in the representation of ethnic groups

**Bias Level: Significant Bias (Level 4)**

The analysis indicates a significant bias in the representation of ethnic groups as observed from the statistical tests.

**Visualization:**

- The following pie chart illustrates the distribution of ethnic groups in the dataset.

