

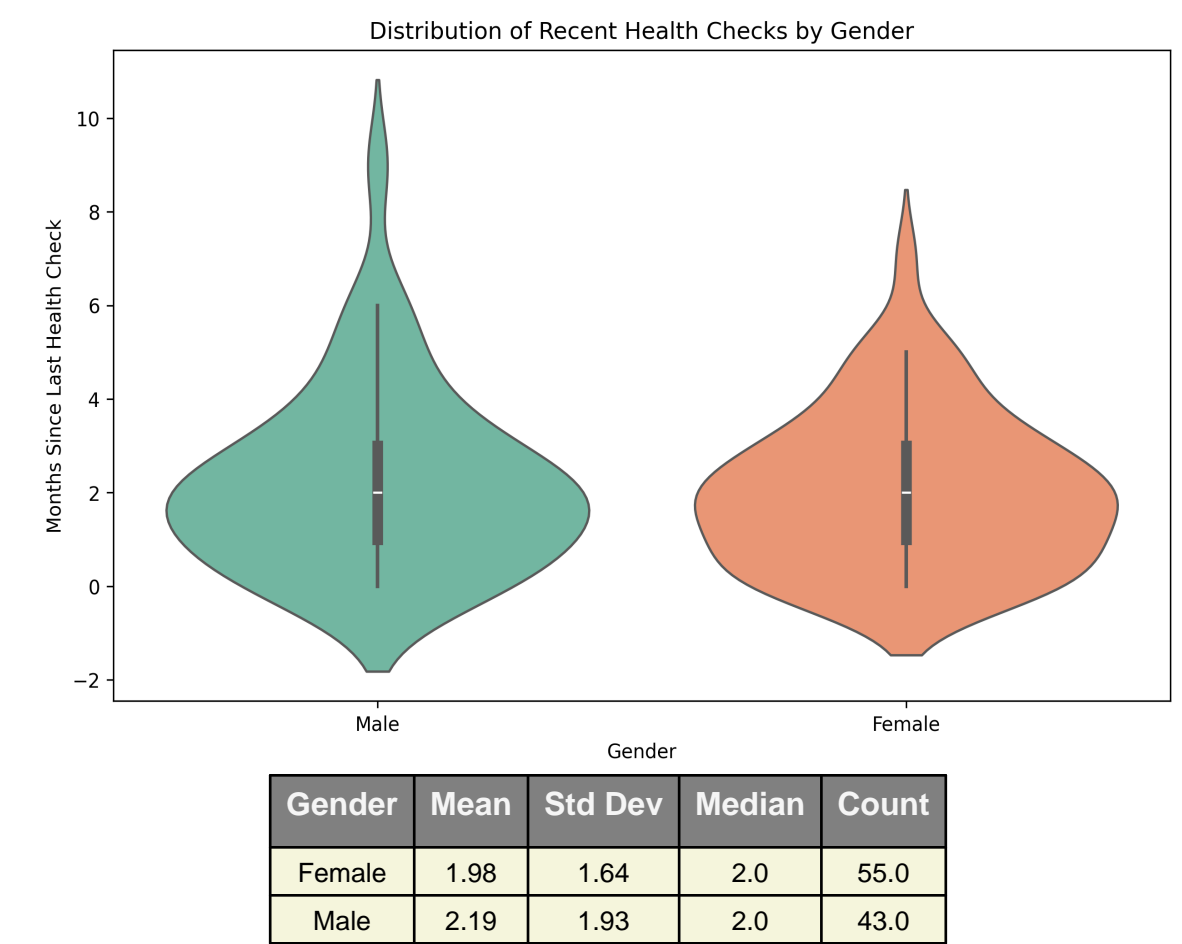
Health Data Analysis Report

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Executive Summary

This report presents a comprehensive analysis of health outcomes, barriers to care, and chronic conditions by gender. The analysis includes statistical tests, visualizations, and detailed breakdowns of key metrics.

1. Health Check Distribution Analysis



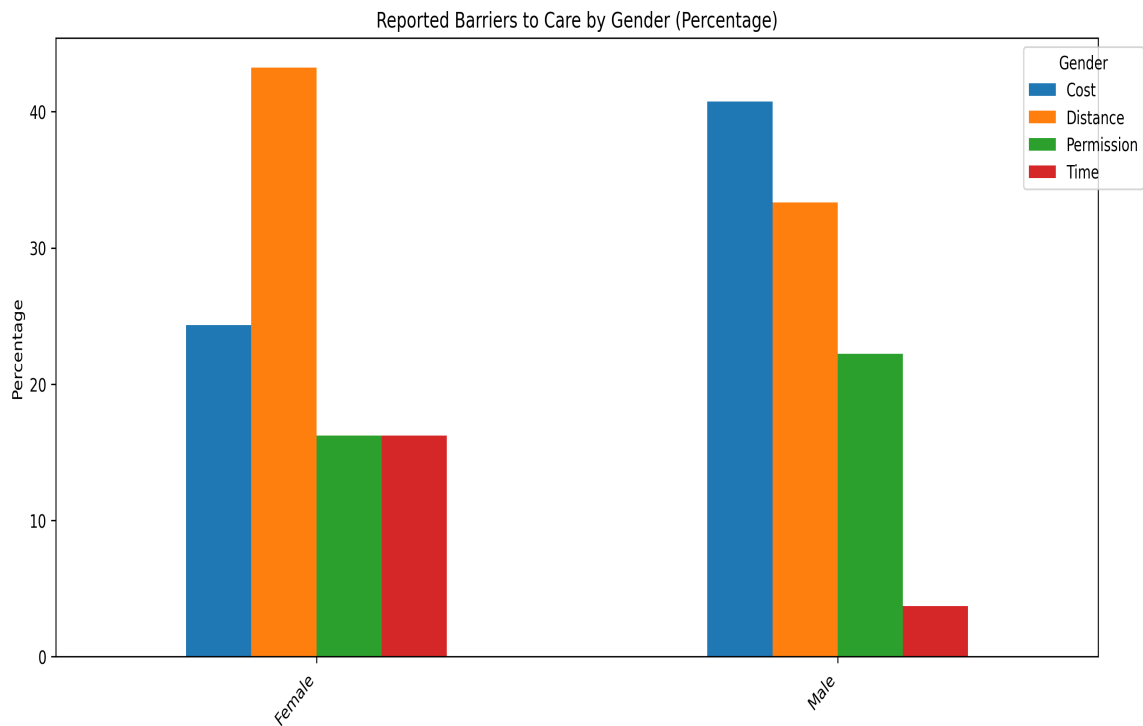
Statistical Test Results:

Test Type: Mann-Whitney U

Statistic: 1225.5000

p-value: 0.7562

2. Barriers to Care Analysis



Barriers to Care		
Barrier	Female	Male
Cost	24.3%	40.7%
Distance	43.2%	33.3%
Permission	16.2%	22.2%
Time	16.2%	3.7%

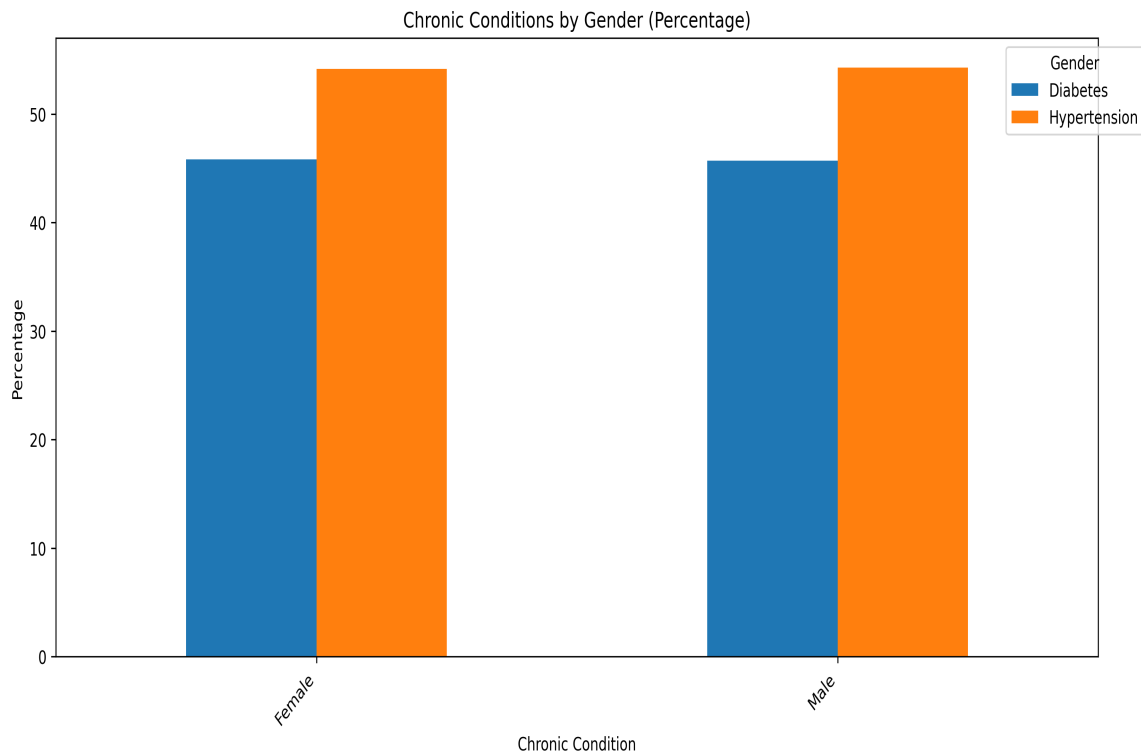
Chi-Square Test Results:

Chi-square statistic: 4.2733

p-value: 0.2334

Degrees of freedom: 3

3. Chronic Conditions Analysis



Chronic Condition		
Condition	Female	Male
Diabetes	45.8%	45.7%
Hypertension	54.2%	54.3%

Chi-Square Test Results:

Chi-square statistic: 0.0000

p-value: 1.0000

Degrees of freedom: 1

Conclusions

1. Health Check Distribution: On average, males had 2.2 months since their last health check, while females had 2.0 months. The statistical test (p-value: 0.7562) suggests that this difference is not statistically significant. 2. Barriers to Care - Cost: 24.3% of females reported Cost as a barrier, compared to 40.7% of males. The chi-square test (p-value: 0.2334) indicates that this difference is not statistically

significant. 2. Barriers to Care - Distance: 43.2% of females reported Distance as a barrier, compared to 33.3% of males. The chi-square test (p-value: 0.2334) indicates that this difference is not statistically significant. 2. Barriers to Care - Permission: 16.2% of females reported Permission as a barrier, compared to 22.2% of males. The chi-square test (p-value: 0.2334) indicates that this difference is not statistically significant. 2. Barriers to Care - Time: 16.2% of females reported Time as a barrier, compared to 3.7% of males. The chi-square test (p-value: 0.2334) indicates that this difference is not statistically significant. 3. Chronic Conditions - Diabetes: 45.8% of females reported Diabetes, compared to 45.7% of males. The chi-square test (p-value: 1.0000) indicates that this difference is not statistically significant. 3. Chronic Conditions - Hypertension: 54.2% of females reported Hypertension, compared to 54.3% of males. The chi-square test (p-value: 1.0000) indicates that this difference is not statistically significant.