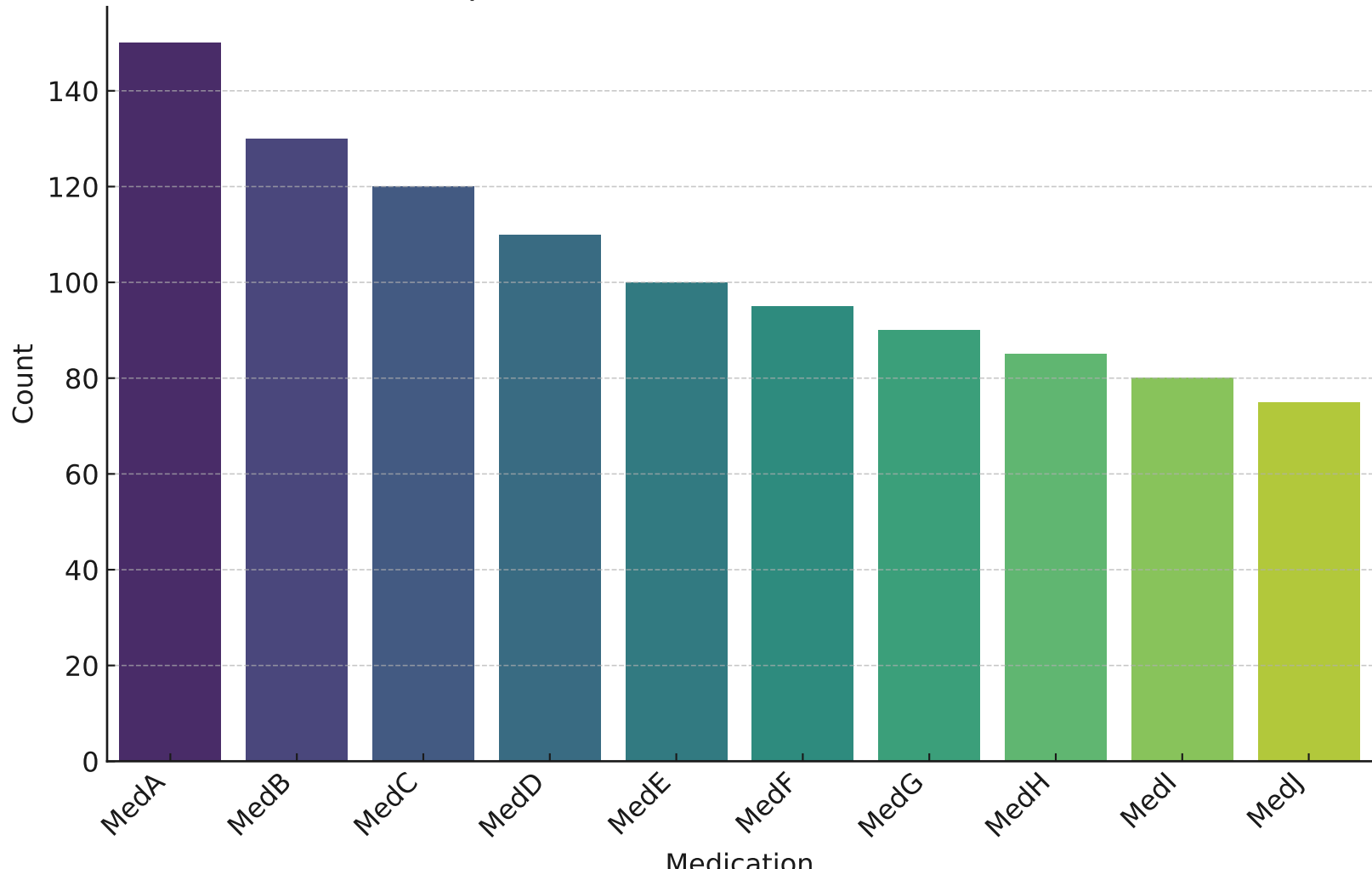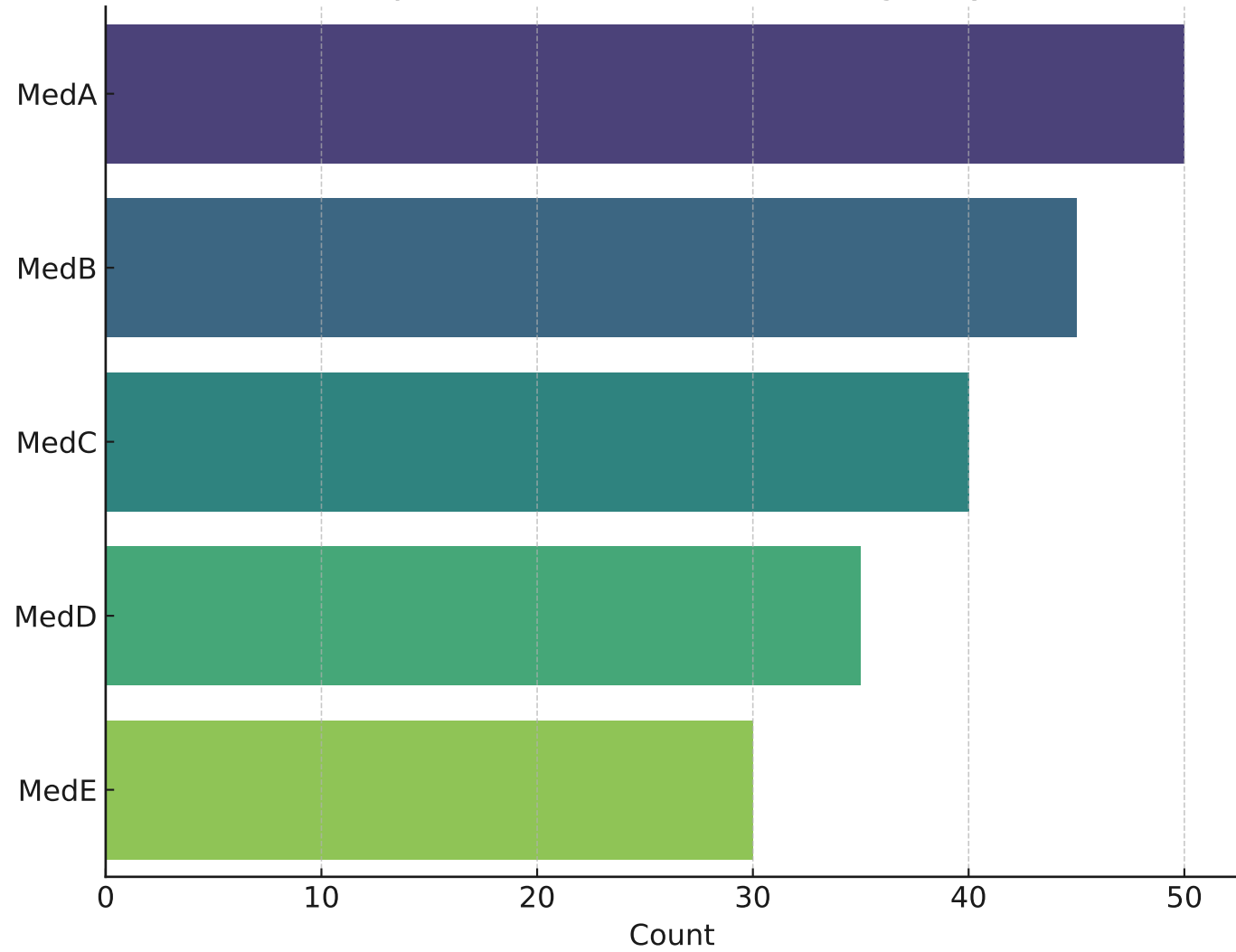Top 10 Most Common Medications

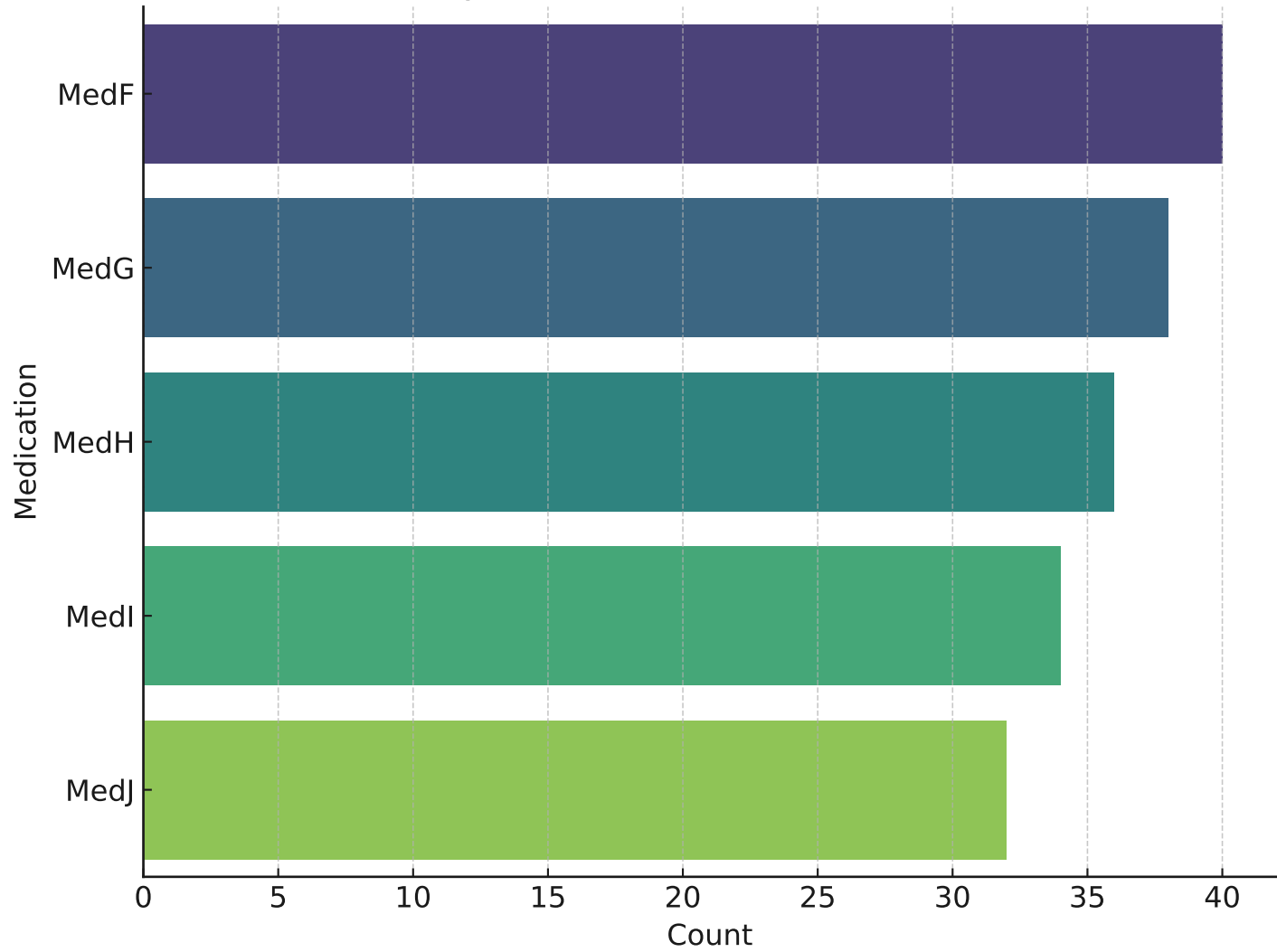# Top 10 Most Common Medications

This bar chart displays the ten most frequently prescribed medications. The frequency count is based on how many times each medication was recorded in the merged prescriptions dataset.
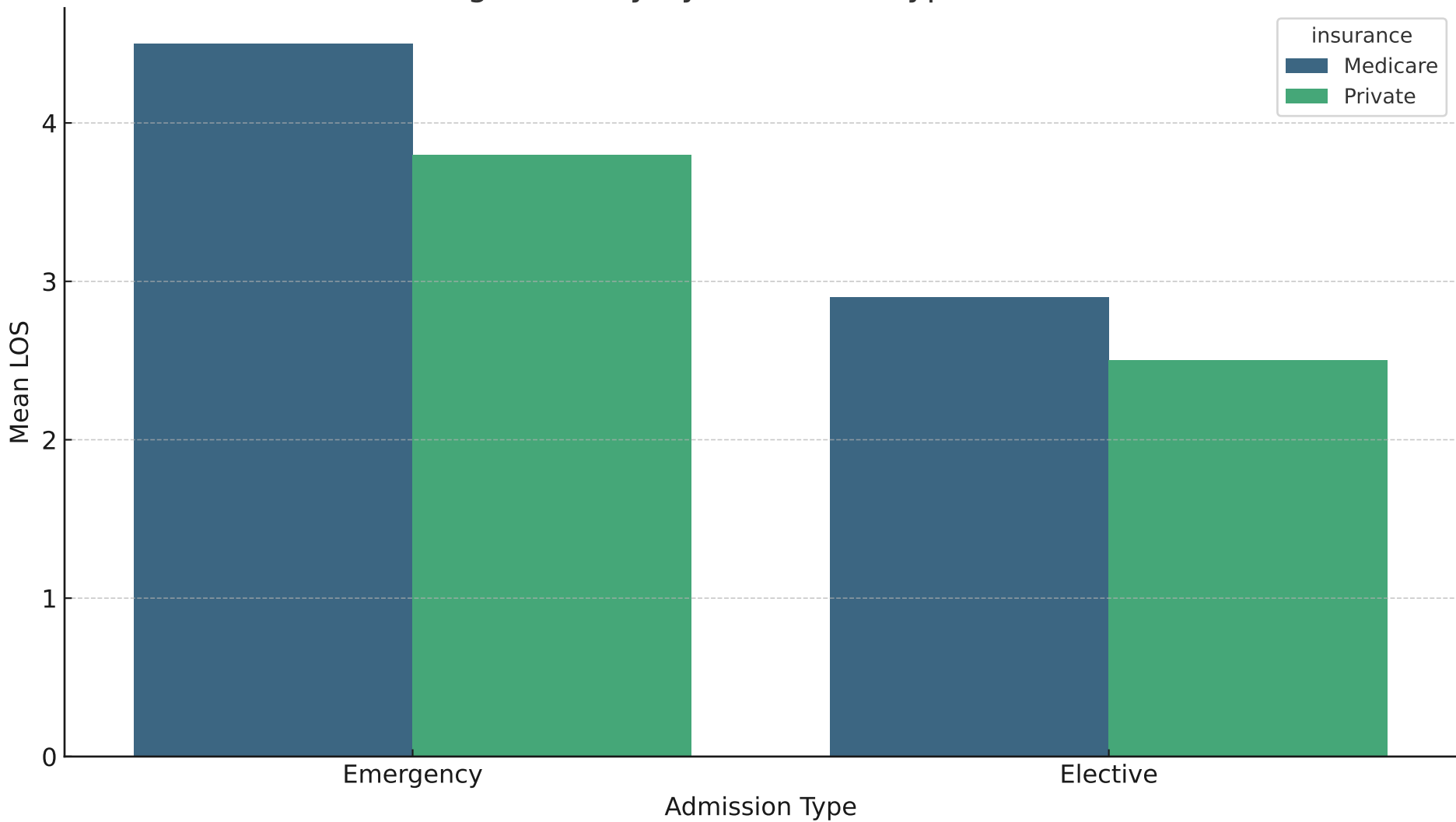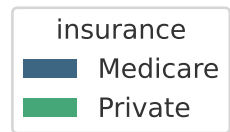
Top 5 Medications for Emergency — **Top 5 Medications for Elective**

Top Medications by Admission Type

Each subplot shows the five most common medications administered for a specific type of hospital admission. This analysis helps identify drug usage trends across emergency and elective admissions.
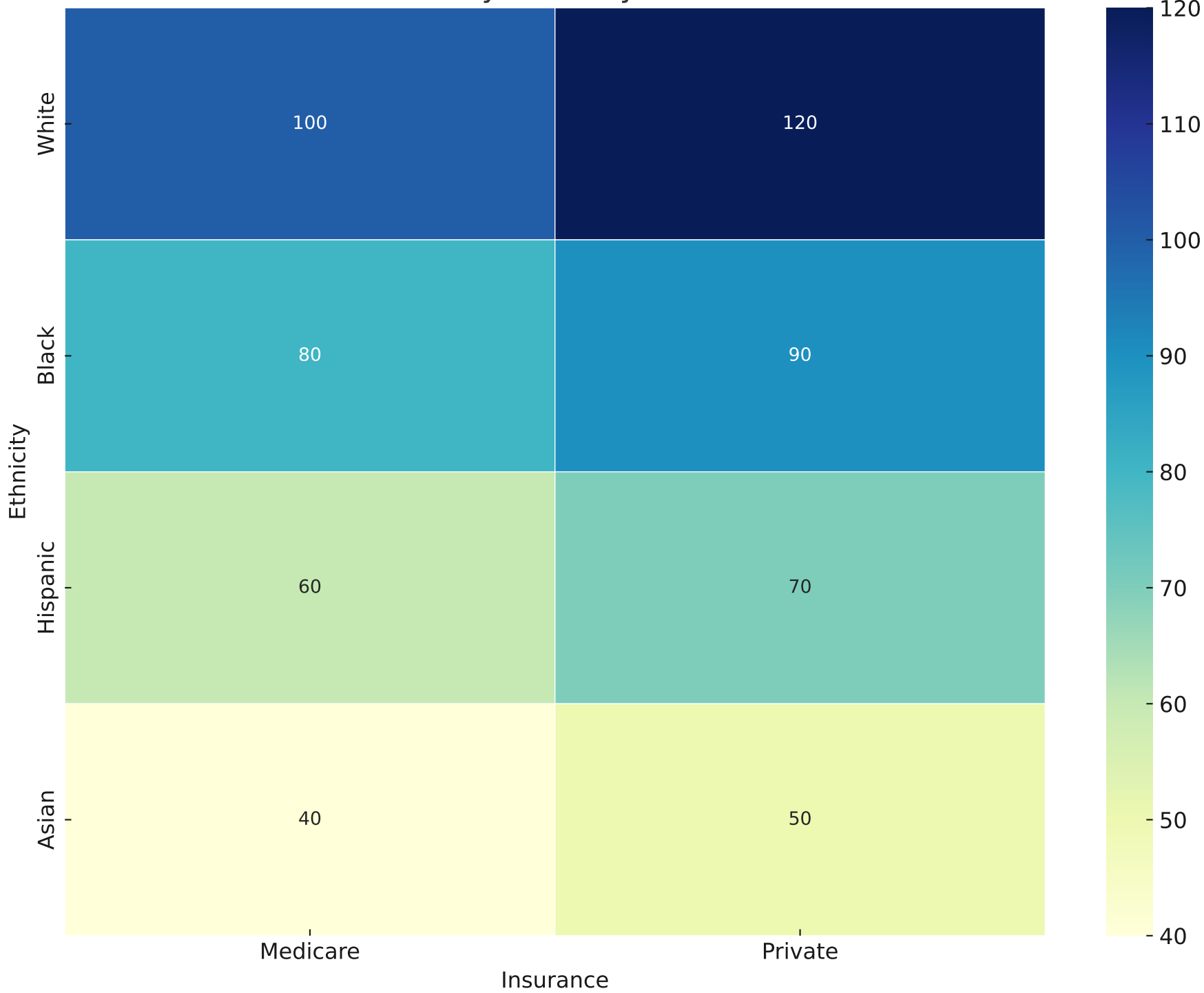
Mean Length of Stay by Admission Type and Insurance

Mean Length of Stay (LOS)

This grouped bar chart compares the average length of hospital stay (LOS) for patients based on their admission type and insurance coverage. It helps evaluate how insurance affects hospital utilization.

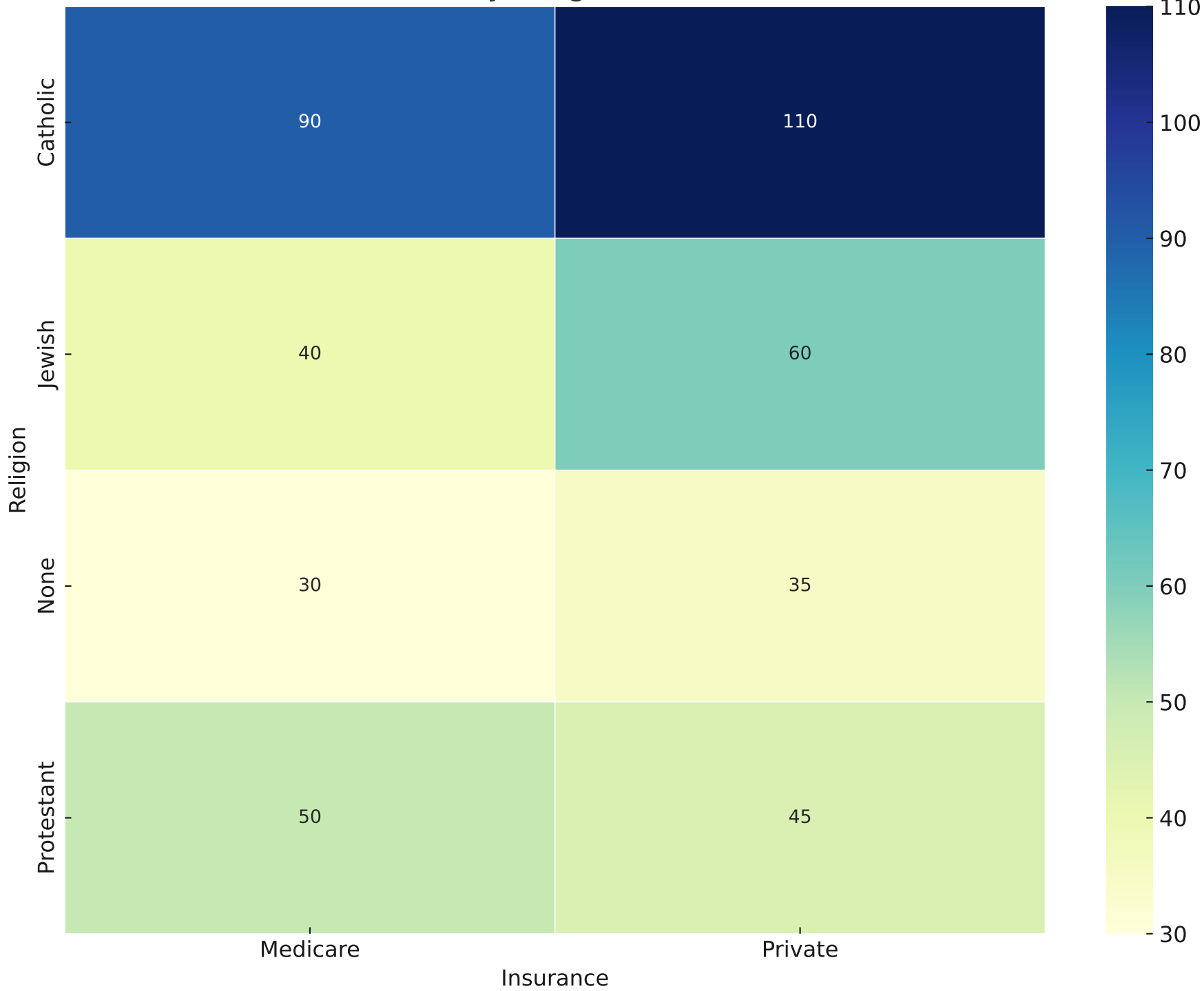Patient Count by Ethnicity and Insurance

Patient Distribution: Ethnicity vs Insurance

This heatmap visualizes how patient counts vary across different ethnic groups and insurance types. It highlights demographic disparities in health coverage.

Patient Count by Religion and Insurance

Patient Distribution: Religion vs Insurance

This heatmap shows how patient counts are distributed by religious affiliation and insurance type. Such visualizations help uncover socio-economic patterns.