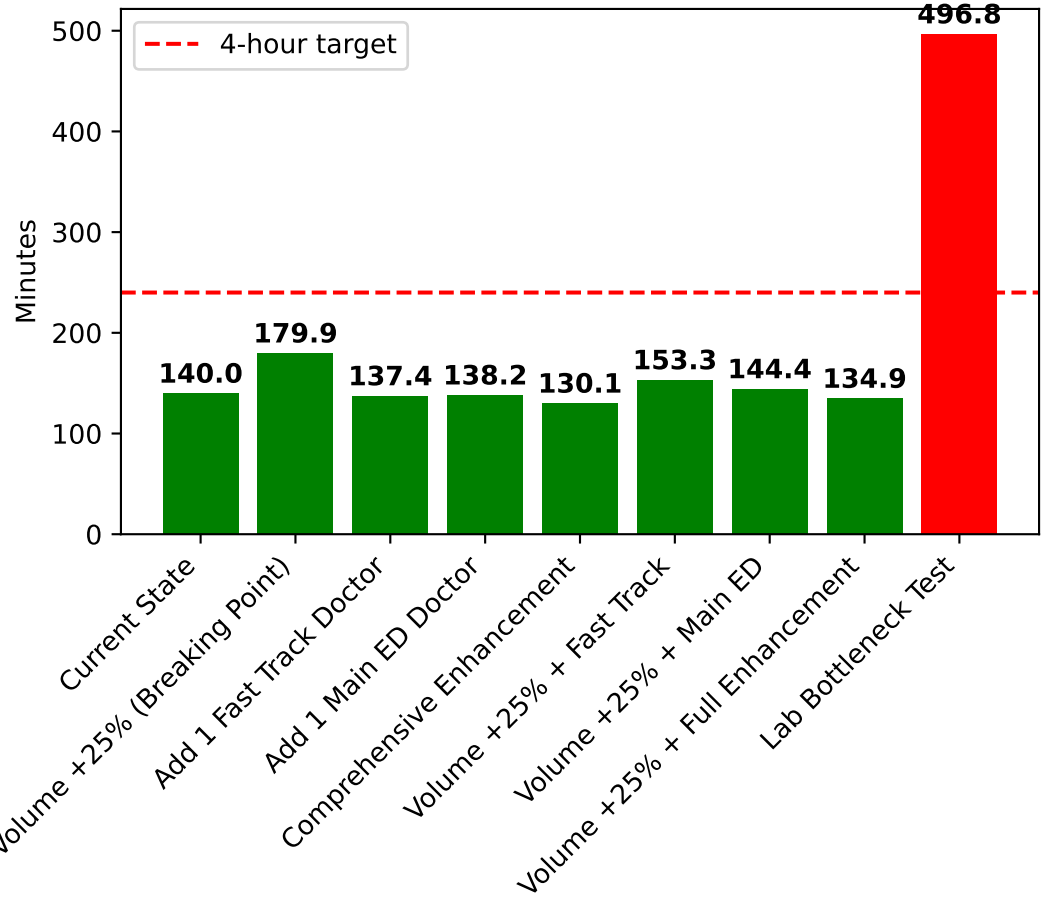
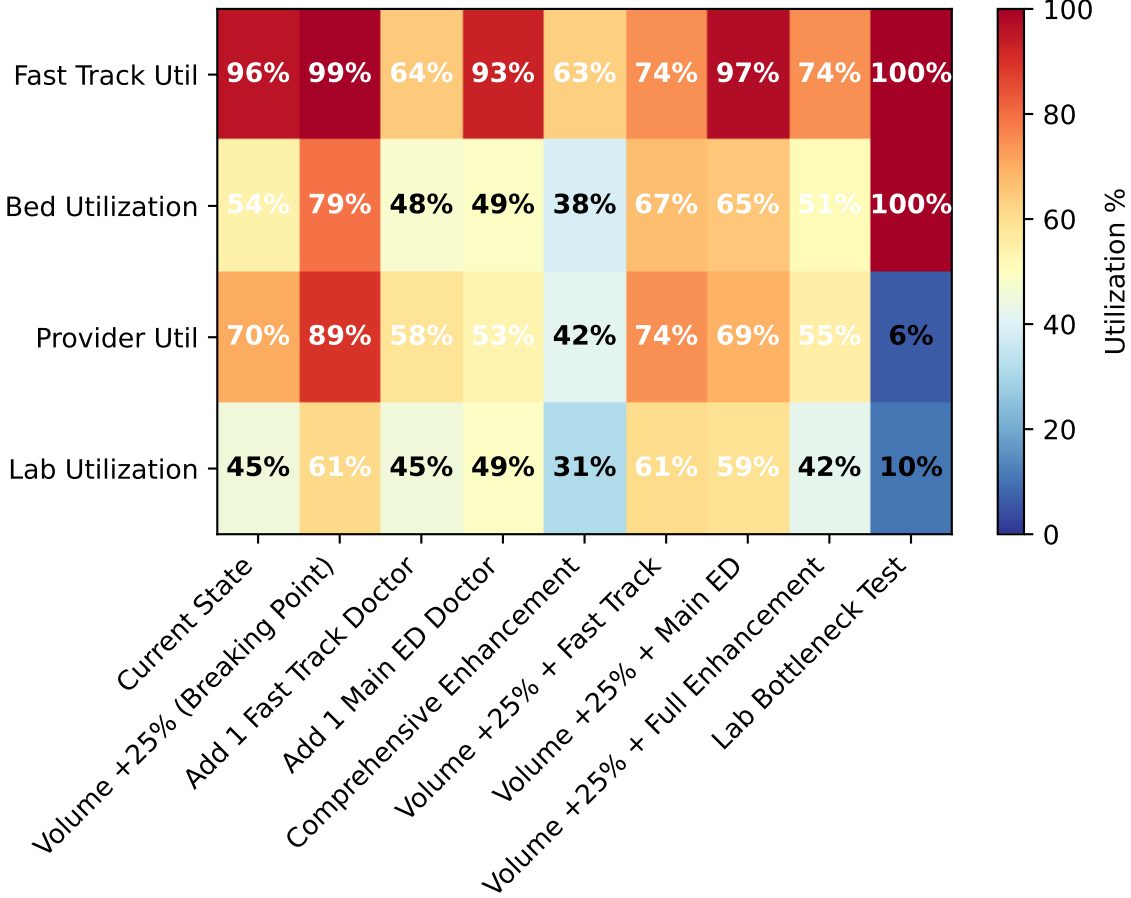


ED Strategic Performance Dashboard

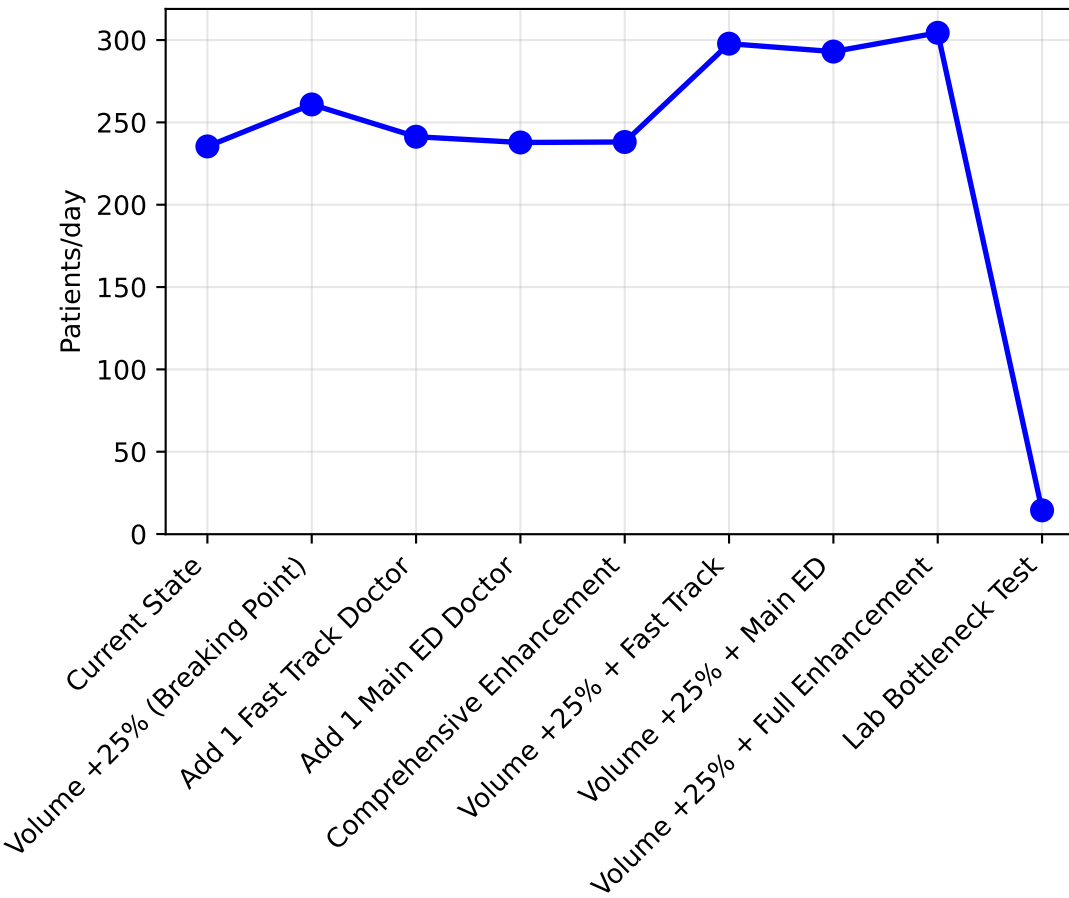
90th Percentile Length of Stay  
(Strategic KPI)



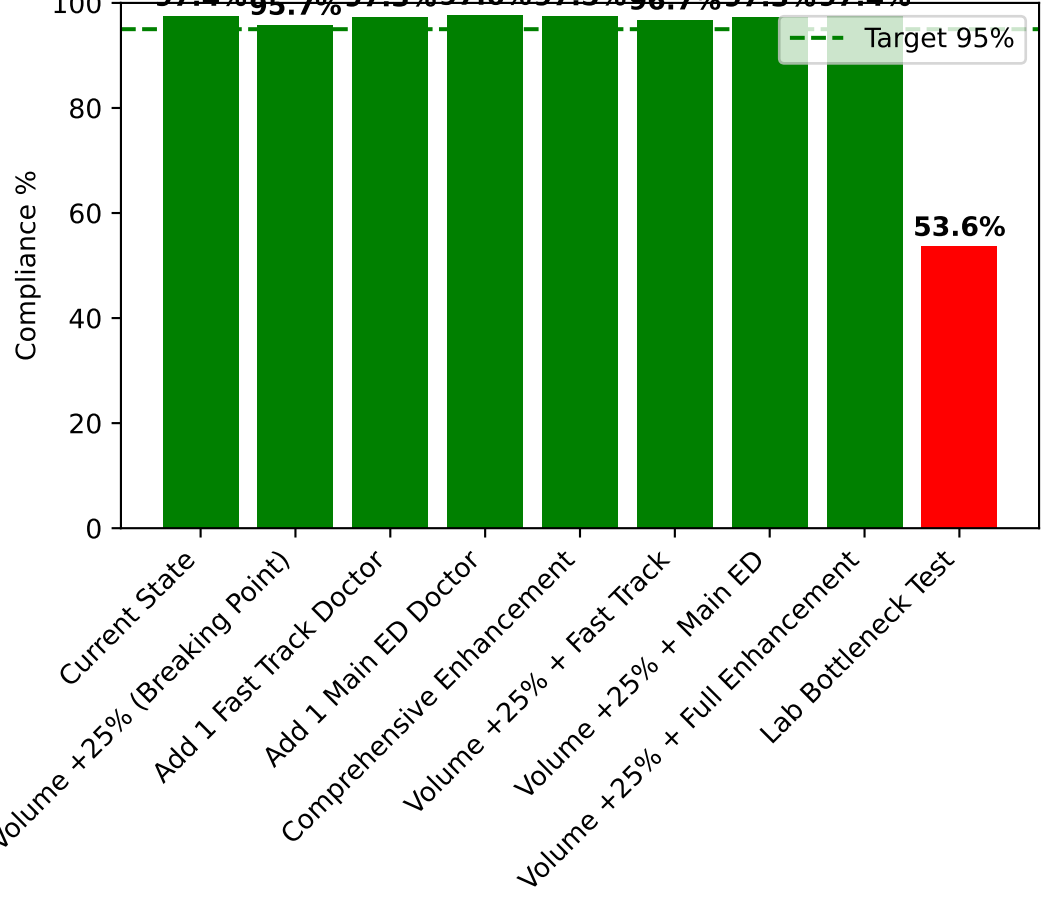
Resource Utilization Heatmap



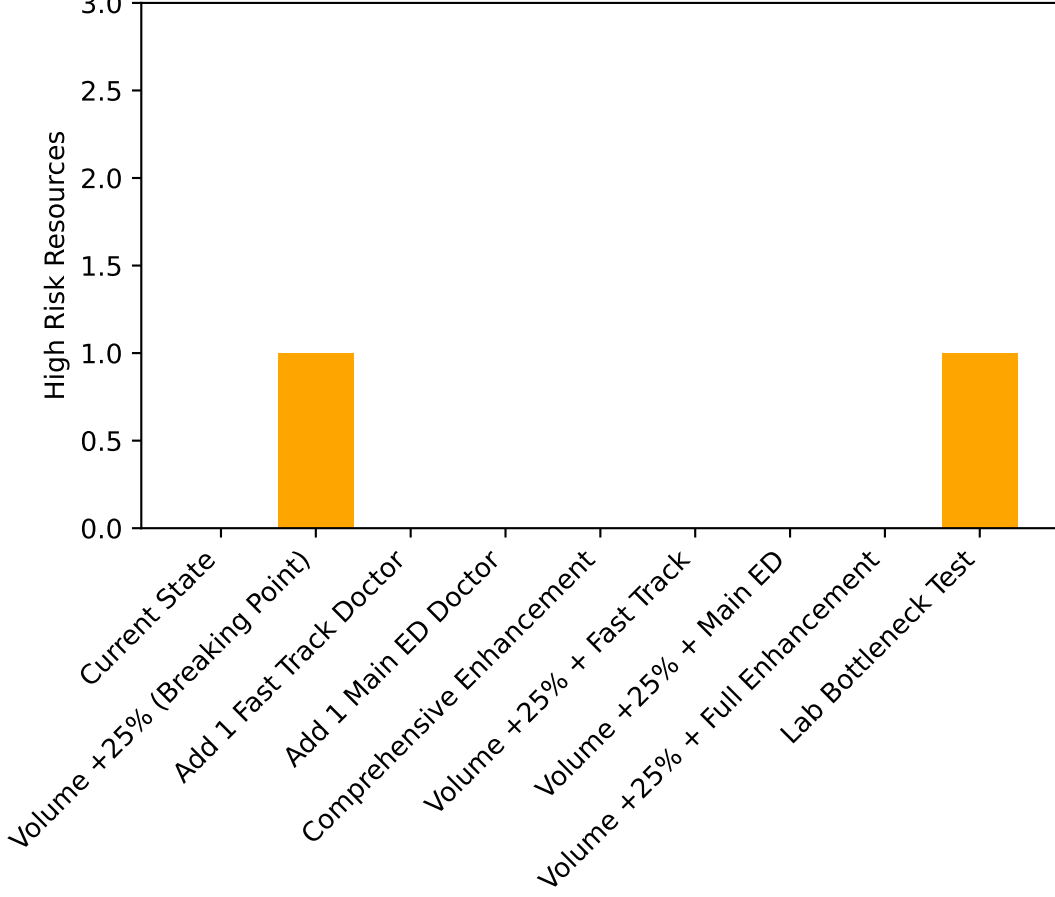
System Throughput



4-Hour ED Target Compliance



Resource Constraint Risk  
(# High Utilization Resources)



ROI ANALYSIS vs Baseline:

Volume +25% (Breaking Point):

LOS p90: -39.9 min  
Throughput: +25.5 pts/day  
Compliance: -1.7%

Add 1 Fast Track Doctor:

LOS p90: +2.6 min  
Throughput: +5.9 pts/day  
Compliance: -0.1%

Add 1 Main ED Doctor:

LOS p90: +1.8 min  
Throughput: +2.4 pts/day  
Compliance: +0.2%

Comprehensive Enhancement:

LOS p90: +9.9 min  
Throughput: +2.7 pts/day  
Compliance: +0.1%

Volume +25% + Fast Track:

LOS p90: -13.3 min  
Throughput: +62.4 pts/day  
Compliance: -0.7%

Volume +25% + Main ED:

LOS p90: -4.4 min  
Throughput: +57.6 pts/day  
Compliance: -0.1%

Volume +25% + Full Enhancement:

LOS p90: +5.1 min  
Throughput: +69.0 pts/day  
Compliance: +0.0%

Lab Bottleneck Test:

LOS p90: -356.8 min  
Throughput: -221.0 pts/day  
Compliance: -43.8%