Minitab

INSIGHTS

How to fix bottlenecks and speed up patient flow

Crowded emergency departments, delayed discharges, uneven bed utilization, and patient readmissions are symptoms of deeper system constraints. These bottlenecks interact across departments, creating ripple effects that increase your team's workload and burnout. Minitab helps healthcare leaders understand how their system actually behaves, identify true constraints, and test operational changes safely before making real-world decisions.

Learn more

See our impact in healthcare





COMMON PAIN POINTS

Throughput delays driven by system interactions	1
Bottlenecks hidden by averages and static reports	2
Capacity decisions made without downstream visibility	3
Improvement efforts that increase pressure without clear ROI	4

Minitab

How Cathay General Hospital saved $4.4 million in resources with Minitab

Heart attacks require quick action, and Cathay General Hospital in Taipei needed to speed up the average time from arrival to angioplasty, which was consistently exceeding the recommended 90-minute window. Using Minitab, a Lean Six Sigma project team analyzed every step of the process, identified the biggest delays, and re-engineered how patients were diagnosed, prepped, and moved to the operating room. The result was a dramatically faster treatment time, shorter hospital stays, and millions saved in medical resources.

HOW MINITAB CAN HELP YOU

1. Map end-to-end patient flow to identify constraints
2. Build digital twins using real arrival patterns and task times
3. Simulate staffing, scheduling, and capacity changes with zero risk
4. Quantify impact on wait times, patient throughput, and resource utilization



40 cases analyzed in Minitab over a nine-month period.

58.4% improvement in door-to-balloon time.

3 days less in average hospital stays for heart attack patients.

Read the case study ▸▸▸

TALK TO US



Build your next breakthrough

Whether you're a large health system or a community care center, we can help you improve operations and move faster.

+400K
global Minitab users across all industries.

+30K
companies powered by insights in Minitab.

+50
years of trust in healthcare and beyond.

Explore our services ↗