

Analyzing Hospital Performance and Benchmarking

CASE STUDY: ANALYZING HEALTHCARE DATA IN POWER BI



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Looking back



- 151 hospitals in New York State performed elective hip replacement surgeries.
- 26,286 total discharges.
- The average LOS was 2.65 days.
- Variability between hospitals not yet explained.

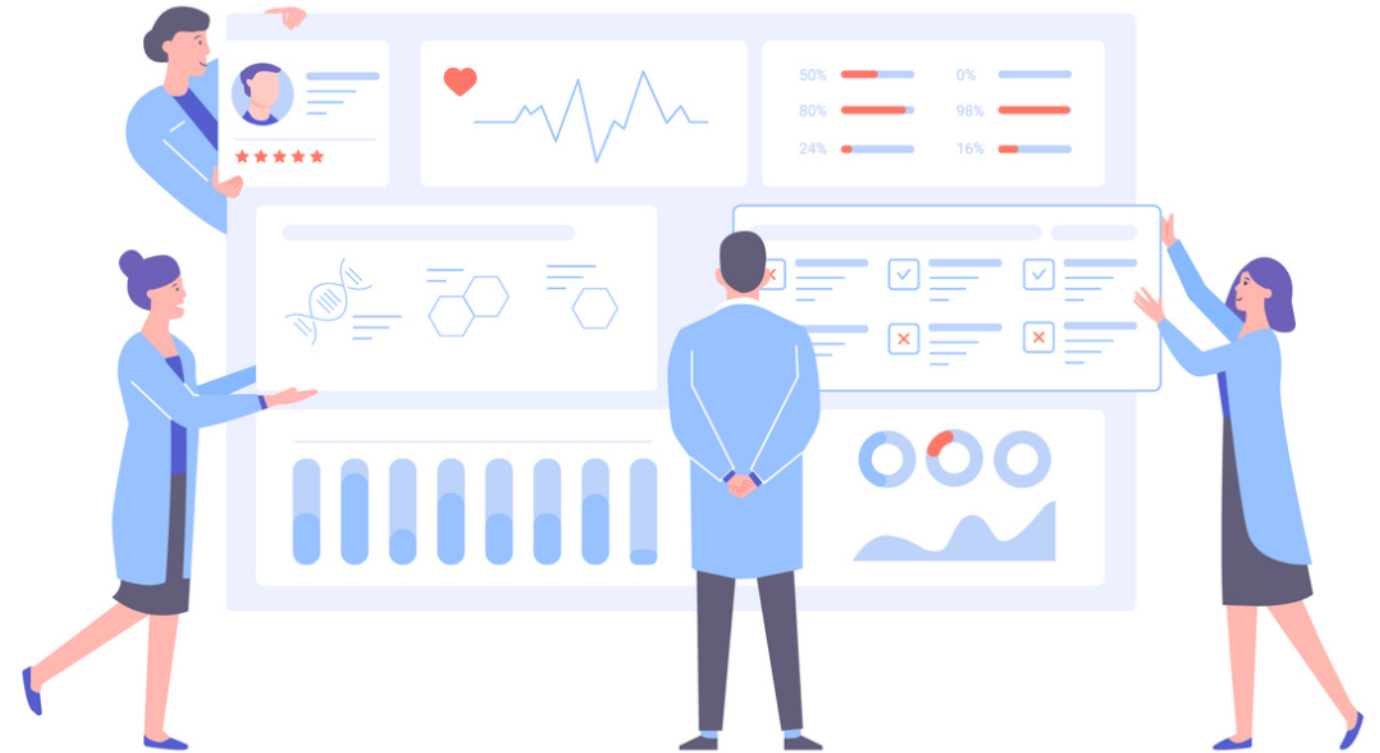
Introducing cost to the equation

- Average cost per discharge = total costs / total discharges.
- Useful benchmark to compare cost efficiency between hospitals.
- Cost variance is driven by multiple factors (e.g. patient severity, age, hospital size, procedures and equipment used).



Insights to explore

- Which hospitals stand out with highest cost and LOS relative to the state average?
- Which hospitals stand out as biggest outliers overall?
- Does larger surgical program size impact LOS and cost?
- Root cause analysis: what factors influence LOS and cost the most?



Let's practice!

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