# Creating a dynamic dashboard

CASE STUDY: ANALYZING HEALTHCARE DATA IN POWER BI



**Lyndsay Girard**Healthcare Analytics Consultant



### Measuring hospital efficiency

Safety

**Effectiveness** 

**Timeliness** 

Patient-Centered

**Equity** 

Efficiency

Avoiding harm to patients from the care that is intended to help them.

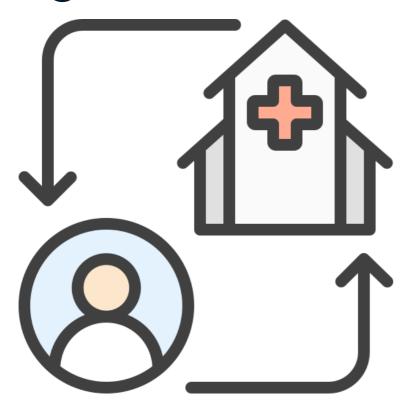
How well a healthcare service achieves its intended purpose. Reducing delays for both those who receive and those who give care. Providing care that is respectful of and responsive to individual patient preferences, needs, and values.

Providing care that does not vary in quality because of personal characteristics.

Avoiding waste, including waste of equipment, supplies, ideas, and energy.

- Average LOS days
- Average cost per discharge

### Key insights uncovered



- Average cost per discharge was \$20,910
- Top influencers increasing average LOS and cost:
  - Extreme illness severity
  - Extreme/ Major mortality risk
  - Hospitals in New York City
  - Patient disposition to skilled nursing home



### The final product



# Let's practice!

CASE STUDY: ANALYZING HEALTHCARE DATA IN POWER BI



### Wrap-up

CASE STUDY: ANALYZING HEALTHCARE DATA IN POWER BI



Lyndsay Girard
Healthcare Analytics Consultant



#### Our final dashboard





#### Recap

- Data modeling
- Exploratory Data Analysis
- Root Cause Analysis
- DAX Calculations
- Report design



#### **Power BI Case Studies**

- Case Study: Analyzing Customer Churn in Power Bl
- Case Study: HR Analytics in Power Bl
- Case Study: Analyzing Job Market Data in Power BI
- Case Study: Inventory Analysis in Power Bl
- Case Study: Competitor Sales Analysis in Power Bl
- Case Study: Supply Chain Analytics in Power Bl



# Congratulations

CASE STUDY: ANALYZING HEALTHCARE DATA IN POWER BI

