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# Increasing Access to Data through Microsoft's Power BI

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# Increasing Access to Data through Microsoft's Power BI

## Rumana Ahmad and Kristi Patterson, RN, BSN, CPHQ

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## **Background**

#### What is Power BI?

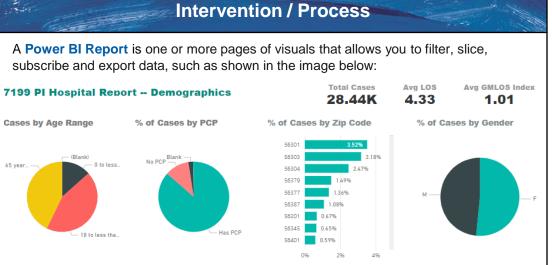
A collection of software services, apps, and connectors that work together to turn unrelated sources of data into coherent, visually immersive, and interactive insights.

#### What's in it for me?

Users can quickly & easily explore trends for CC inpatients across common outcome measures including case counts, length of stay, mortality, & unplanned readmissions to help identify variation & opportunity for improvement. For example, compare COPD patient case counts, length of stay, and in-house mortality across CC hospitals.

## **Team Members**

Rumana Ahmad, Senior Database Report Writer Tasha Denson-Byers, Quality Data Analyst I Dan Kotsmith, Manager Business Intelligence Tom Lenarz, Sr Dir Bus Intell / Data Warehouse Kayla Mieczkowski, Quality Data Analyst I Kristi Patterson, PI Clinical Consultant II Jone Schlangen, Quality Data Analyst II





Access can be requested from your manager through a Service Now ticket. Open Power BI from app.powerbi.com.

The requested reports can be opened from the Home tab > Shared with me section.

You can view the multiple pages on the left-hand side, modify the data by applying filters or export data.

Click the star in the top right-hand corner to add to your favorites. To share a page based on the filters you applied, click on Share at the top of the page.

## Results

In effort to provide data transparency and ease in access, Microsoft's Power BI has been used to develop the following CC reports:

•7199 PI Hospital Report – includes Inpatient Volumes, LOS, Encounters by MS-DRG, Diagnosis and Provider, Demographics, Readmissions, Outliers, Mortality, Cost

•13519 Readmissions 30 Day Unplanned – includes Demographics, Readmission Rates,

Demographics, Readmission Rates Readmission Volumes, Days to Readmit 7199 PI Hospital Template Report

13519 Readmissions 30 Day Unplanned

"Data and tables can be copied and shared with providers and leadership right from the main page itself for understanding and impact."

– Dr. Dalal, Hospitalist

### References / Resources

#### Tip Sheets on the Power BI reports:

- •7199 PI Hospital Report
- •13519 Readmissions 30 Day Unplanned

Knaflic, N. C. (2015). Storytelling with Data: A Data Visualization Guide for Business Professionals (1st ed.). Wiley.

Durkota, S. (2021). NAHQ: Truthful and Useful – Presenting Data for Change in the Age of Fake News [PowerPoint Slides].