

CAPSTONE FINAL PROJECT PROPOSAL REPORT – WEEK 11

Project Overview:

This week, we shifted the project's focus to analyzing six key HEDIS measures to provide a broader evaluation of Medicare Advantage plan performance from 2016 to 2024. These measures cover preventive care, chronic disease management, and medication adherence.

What We Did:

We identified and selected the following six HEDIS measures for analysis:

1. Breast Cancer Screening (C 01)
2. Colorectal Cancer Screening (C 02)
3. Comprehensive Diabetes Care – Blood Sugar Controlled (C10)
4. Medication Adherence for Hypertension (D 09)
5. Medication Adherence for Cholesterol (D11)
6. Medication Adherence for Diabetes (D12)

• Data Preparation:

We cleaned and merged multi-year datasets to ensure consistency in timeframes and plan-level comparisons. Each measure was organized by year, plan, and performance percentage for accurate trend analysis.

• Visualization Work:

Initial visualizations were created for several measures using Tableau. These include line graphs and bar charts to show year-over-year trends in performance. The visuals are designed to compare plans and highlight improvements or declines over time.

Next Steps:

- Complete visualizations for all six HEDIS measures
- Begin integrating visuals into the interactive Tableau dashboard
- Refine layout and ensure filters function as intended
- Prepare to summarize key insights for each measure

Conclusion:

Refocusing on the six HEDIS measures has allowed for a more structured and comprehensive analysis. We've made solid progress with data preparation and initial visualizations, and the next phase will focus on completing the dashboard to deliver a full view of Medicare Advantage plan performance.