



Claims Data Analysis

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Introduction

- This analysis focuses on analyzing healthcare claims data to provide actionable insights and generate reports that simplify the understanding of costs, claims distribution, and insurance coverage.
- Also, it highlights patterns in medical (Med) and behavioral health (BH) claims across key diagnosis, including Diabetes, High Blood Pressure, COPD and Asthma. These insights aim to support informed and efficient decision-making.

• Diagnosis Codes •

Analyzing Claims Related to the Following Conditions:

- Diabetes
- High Blood Pressure
- Asthma and Chronic Obstructive Pulmonary Disease (COPD)

Key Terms and Abbreviations:

- DX - Diagnosis
- I - Inpatient
- O - Outpatient
- ER - Emergency Room
- BH - Behavioral Health
- Med - Medical
- COPD - Chronic Obstructive Pulmonary Disease

Overview

CLAIMS COST

A detailed breakdown of the total cost associated with Medical and Behavioral Health claims for each diagnosis, emphasizing areas where costs are highest.

CLAIMS COUNT

An overview of the number of claims processed for each diagnosis, highlighting claim volume trends and potential areas for optimization.

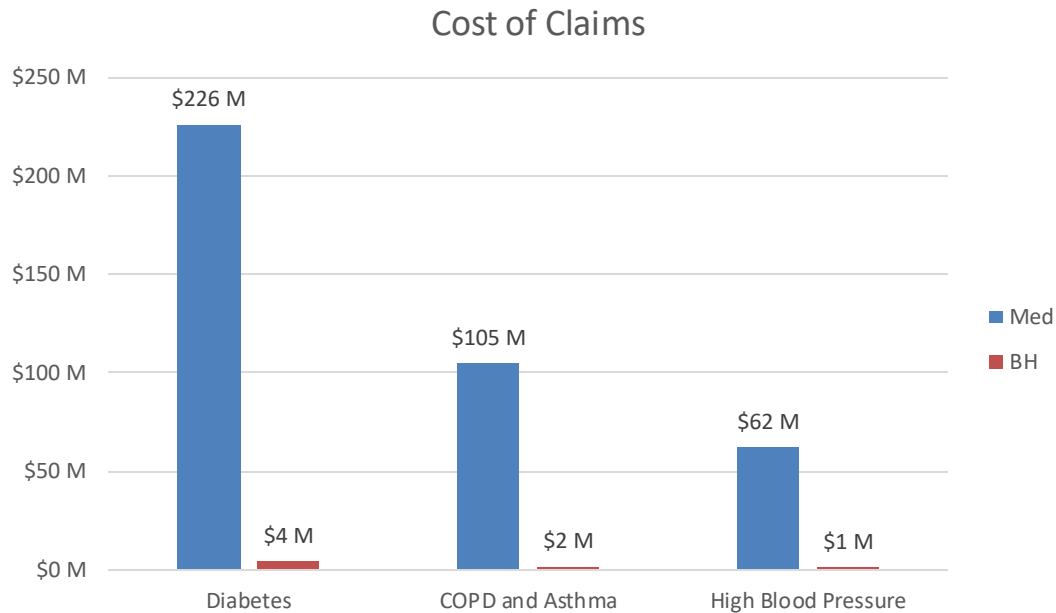
PERCENTAGE OF EACH DIAGNOSIS

A comparative analysis showing the share of total claims costs and counts for each diagnosis, offering insight into their financial and operational impact.

COST AND NUMBER OF STAYS

An exploration of costs and claims categorized by Inpatient (I), Outpatient (O), and Emergency Room (ER) stays, providing a deeper understanding of where resources are being utilized.

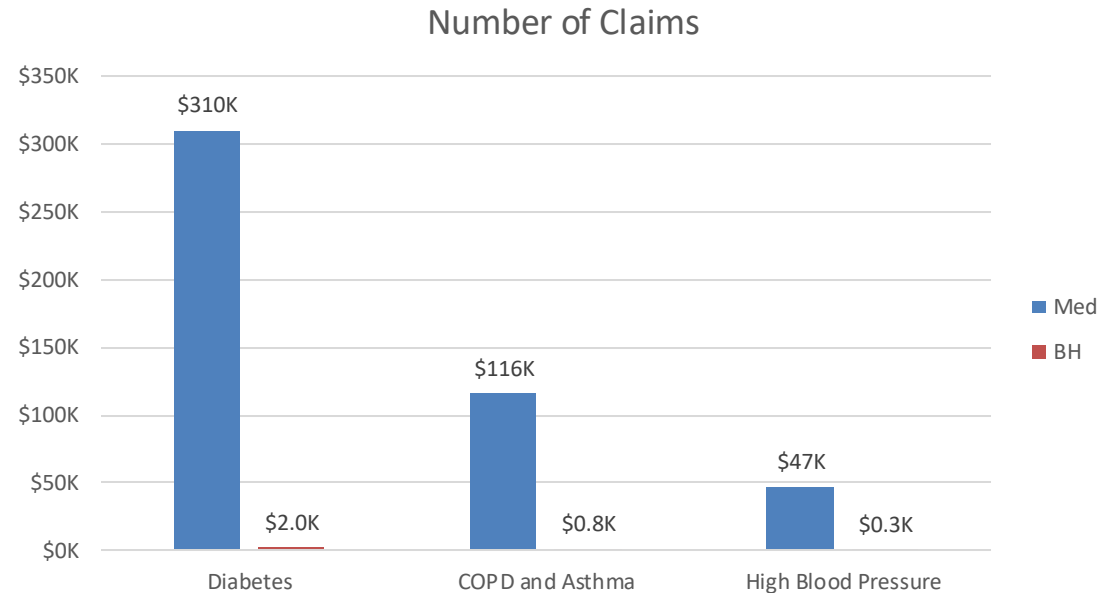
Cost of Claims



- Diabetes:
 - Medical: \$226,213,277.89
 - Behavioral Health: \$4,453,367.61
- COPD and Asthma:
 - Medical : \$104,606,184.75
 - Behavioral Health : \$1,757,934.56
- High Blood Pressure:
 - Medical: \$62,229,861.99
 - Behavioral Health: \$1,220,166.60
- Observation:
 - **Medical claims** account for most costs across all diagnosis, with **Behavioral Health claims** contributing a smaller share.
 - **Diabetes** is the costliest diagnosis in both **Medical claims** (\$226,213,277.89) and **Behavioral Health claims** (\$4,453,367.61).
 - **High Blood Pressure** have the lowest costs among the diagnosis in both categories, with **Medical claims** (\$62,229,861.99) and **Behavioral Health claims** (\$1,220,166.60).

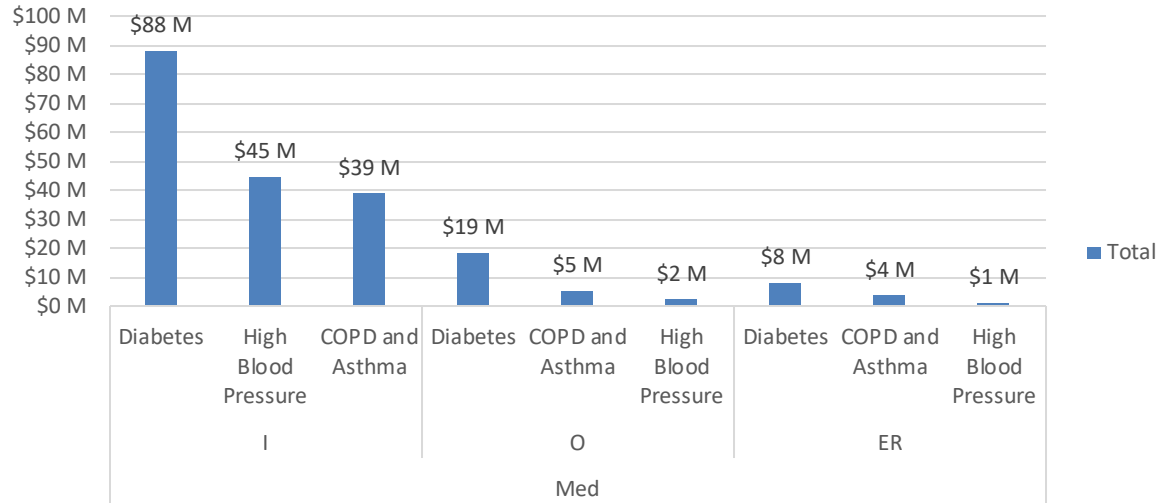
Number of Claims

- Diabetes:
 - Medical: 310,023
 - Behavioral Health: 2,003
- COPD and Asthma:
 - Medical : 115,612
 - Behavioral Health : 799
- High Blood Pressure:
 - Medical: 47,185
 - Behavioral Health: 342
- Observation:
 - **Medical claims** dominate in volume with **472,820** claims, while **Behavioral Health claims** total **3,144** claims.
 - **Diabetes** leads in the number of claims for both **Medical claims (310,023)** and **Behavioral Health claims (2,003)**.
 - **High Blood Pressure** have the fewest claims overall for both **Medical claims (47,185)** and **Behavioral Health claims (342)**.



Inpatient (I), Outpatient (O) and Emergency Room (ER) Stays Claims

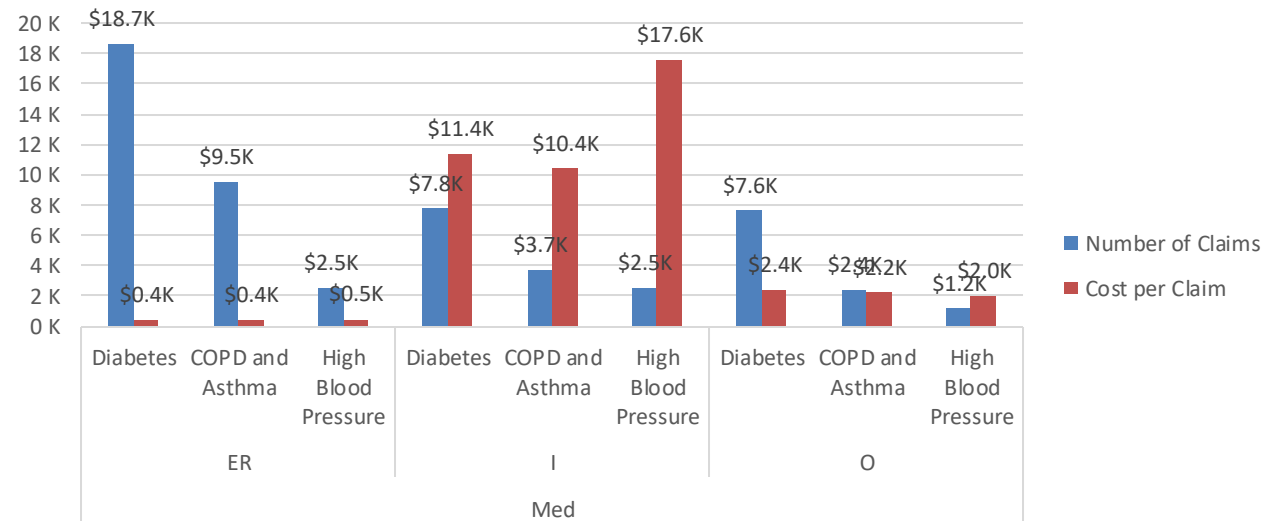
Cost of Claims based on Inpatient (I), Outpatient (O) and Emergency Room (ER) Stays



- Observation:
 - Inpatient (I) claims dominate Medical claim costs, totaling \$171,872,453.99 with 14,063 claims.
 - Emergency Room (ER) claims have the lowest costs within Medical claims, amounting to \$13,145,577.99, but have the highest number of claims (30,690).
 - Outpatient (O) claims total \$26,468,982.20, with the lowest claim count at 11,234.

- Inpatient (I):
 - Claims Cost: \$171,872,453.99
 - Claims Count: 14,063
 - Average Cost per Claim: \$12,222
- Outpatient (O):
 - Claims Cost: \$26,468,982.20
 - Claims Count: 11,234
 - Average Cost per Claim: \$2,356
- Emergency Room (ER):
 - Claims Cost: \$13,145,577.99
 - Claims Count: 30,690
 - Average Cost per Claim: \$428

Number of Claims against Cost (avg) based on Inpatient (I), Outpatient (O) and Emergency Room (ER) Stays



Conclusion

- **Medical claims** are significantly higher than **Behavioral Health claims** in both cost and volume.
- **Diabetes** is consistently the most significant diagnosis, leading across cost, claims count, and percentage of claims for both Medical and Behavioral Health claims.
- **COPD and Asthma**, though less dominant overall, have consistent representation in both Medical and Behavioral Health claims.
- There were no **Behavioral Health claims** for Inpatient, Outpatient or Emergency Room stays.
- On average, **High Blood Pressure** incurred higher costs for inpatient claims compared to **Diabetes** and **COPD and Asthma**, despite having fewer claims.



Thank You