

Explanation of Features in the Healthcare Claims Analysis Tool

1 Claims Average (Previous Period & August 2024)

The number of claims processed during the specified time period. For the previous period (August 2023 - July 2024), we count the total number of claims filed and divide by the number of unique days within the period to get the average number of claims per day. Similarly, for August 2024, we count the total number of claims and divide by the number of unique days in that month.

$$\text{Claims Average} = \frac{\text{Total Claims}}{\text{Number of Days}}$$

2 Cost Average (Previous Period & August 2024)

The total cost of ingredients paid by the client for the claims. For the previous period, we sum the total cost of the ingredients for all claims and divide by the number of unique days in the period. For August 2024, we sum the total cost of the ingredients for all claims in August and divide by the number of unique days.

$$\text{Cost Average} = \frac{\text{Total Cost Paid}}{\text{Number of Days}}$$

3 Days Supply Average (Previous Period & August 2024)

The average number of days a supply of medication covers for each claim. We compute the mean number of days supplied across all claims during both the previous period and August 2024.

$$\text{Days Supply Average} = \frac{\text{Sum of Days Supply for all Claims}}{\text{Total Number of Claims}}$$

4 Quantity Average (Previous Period & August 2024)

The average quantity of medication units dispensed per claim. The average is computed by summing the total quantity (metric units) for all claims and dividing by the number of claims in both the previous period and August 2024.

$$\text{Quantity Average} = \frac{\text{Sum of Metric Units Dispensed}}{\text{Total Number of Claims}}$$

5 Members Average (Previous Period & August 2024)

The average number of unique members submitting claims per day. For both the previous period and August 2024, the total number of unique members submitting claims is counted, and then divided by the number of unique days in the period.

$$\text{Members Average} = \frac{\text{Total Unique Members}}{\text{Number of Days}}$$

6 New Therapeutic Categories

Identifying any therapeutic categories that are new in August 2024 but were not seen in the previous period (August 2023 - July 2024). We compare the therapeutic categories in August 2024 to those from the previous period. Any categories present in August 2024 but not in the previous period are considered new.

$$\text{New Categories} = \text{August 2024 Categories} - \text{Previous Period Categories}$$

7 New Drugs with Cost > \$1000

Identifies drugs that were not present in the previous period and have a cost greater than \$1000 in August 2024. We look for drug codes (NDC) in August 2024 that were not seen in the previous period and filter those that have a cost greater than \$1000.

$$\text{New Expensive Drugs} = \text{Drugs in August 2024 not in Previous Period with Cost} > 1000$$