Humana-Mays Healthcare Analytics
2019 Case Competition
LTOT Prediction Analysis

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1. Executive Summary

This study focused on providing Humana a better understanding of Long Term Opioid Treatment (LTOT). Our goal was to develop a classification model to predict the likelihood of a patient experiencing Long Term Opioid Treatment (LTOT) in the future. More importantly, we wanted to generate actionable insights and key indicators aligned to Humana's business needs.

For this study, firstly, we created the target variable i.e. incidence of LTOT (1 if LTOT, happens at least once after Day 0, 0 otherwise). Secondly, since our data was event level data that was longitudinal in nature, we engineered 479 features for each patient (wide format) to capture cost, recency and frequency associated with different events in the data. After data processing, we employed artificial intelligence (AI) platform H2O Driverless AI) to automate the machine learning workflow which tested different model architectures to find the optimal model. We obtained the end result of our best performing classification model - XGBoost implementation of GBM with the optimised hyperparameters. We trained an XGboost classifier using these hyperparameters, and got a Cross Validation Area Under Curve (AUC) of 0.8045 and accuracy of 0.7297.

We discovered interesting insights and found that most of our top features include pharmacy claims (counts, cost and recency) for pain. We also learnt that patient's activity in the time interval 6 - 12 months (prior to Day 0) provided the most predictive power. Additionally, we learnt that features related to rate of change of providers, counts of new diagnoses in the past as well as touchpoints through calls did not matter in predicting opioid addiction.

By using the recommendations of our key indicators and model predictions, Humana will be able to save ~ \$18 million annually in Opioid Treatment cost. Humana will also have a better idea on a member's LTOT likelihood and will thus be able to make more informed decisions on prescription of opioids as well as timely interventions.

2. Case Background

Humana is a leading healthcare company that offers a wide array of insurance products and health and wellness services. It serves around 16.6 million members nationwide. The aim of this analysis is to help Humana better understand Long Term Opioid Treatment (LTOT) through predictive modeling and establish key indicators to inform Humana's business decisions.

In order to understand the magnitude of the problem that Humana is tackling, it is worthwhile to look at a few statistics. The population incidence rate of Long Term Opioid Therapy (LTOT) is 1.04% (as provided by Humana). It is estimated that as many as 1 in 4 patients receiving long term opioid therapy in a primary care setting will struggle with opioid addiction and dependence. This would imply that ~42,000 of the total members that Humana serves would be at risk of LTOT. Opioid Dependence Treatment can cost upwards of \$6,000+ annually for an individual [1]. Assuming that 10% of the ~42,000 members avail this treatment, this would amount to an estimated cost burden of ~\$25 million, which is huge. It is reported that the total burden of Prescription Opioids abuse on the entire US healthcare ecosystem is \$26 billion (as of 2013) [2], which makes it extremely pertinent for this issue to be tackled. Furthermore, prescription opioid abuse begets a much larger problem: it is reported that 4 to 6% of who misuse prescription opioids transition to heroin [3]. Therefore, it is necessary for advancements to be made to proactively identify individuals who are at a higher risk of getting addicted to opioids for tracking and appropriate servicing. This will not only help improve the well being of the members but also reduce the cost burden on the individual as well as the Humana.

3. Data Preparation

3.1. Data Understanding

To perform our analysis, we were given a training dataset of 6,086,969 rows and 20 columns. The data was event level data with information provided on 16 different types of events including calls, medical claims, diagnoses, provider, and pharmacy claims with each event having its own set of attributes. The relative time of the event occurrences as compared to the first occurrence of a naive opioid event in 2016+ (marked as Day 0) was also provided. The data constituted of 4 years of events from 2015 to 2018 for 14,000 unique patients. Earliest event captured for any patient was 3.5 years before Day 0. For these patients, the maximum event occurred was 0.5 years post Day 0. This is in accordance with the fact that 180 days of events are required to determine LTOT occurrence. The maximum event observed for any patient in the training data was 3 years post Day 0. The minimum event observed for this patient was 1 year before Day 0, thus validating the time span of data provided. Following are some of the data nuances that we observed during processing the data:

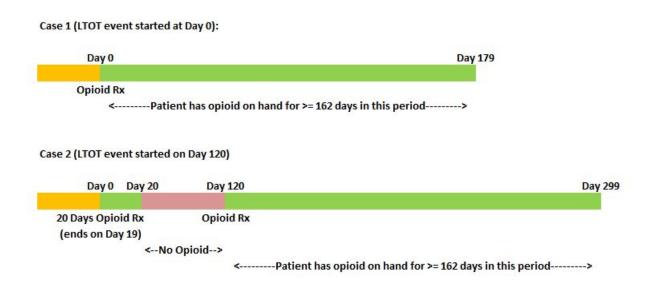
- There are cases where a patient has been prescribed multiple doses of opioids on the same day. e.g. Patient ID10166893764 has 40 days of MORPHINE SULFATE ER prescribed and 30 days of OXYCODONE/ACETAMINOPHEN prescribed on Day 504. In this case, only the records with prescriptions having higher number of Days are considered for target modelling so that we do not double count the prescription days with opioid on hand
- There are 14 IDs with no Days = 0 records
- Since all patients have had at least one naive opioid event, all patients should have at least one record with morphine equivalent > 0 for Days >= 0. However, there are 52 IDs with no records of Morphine Equivalent > 0 after Days >= 0. This is most probably an error since Day 0, which is identified as a naive opioid event should ideally have Morphine Equivalent > 0. For our analysis, these patients will be considered as non-LTOT
- There are three events associated with all records with Morphine Equivalent> 0:
 - o RX Claim Paid

- RX Claim New Drug
- RX Claim First Time Mail Order

However, Every New Drug event or a First Time Mail Order event is associated with an action event like "RX Claim - Paid" or "RX Claim - Rejected". So, it doesn't make sense for us to consider these events into calculations as we may be double counting the opioids. So, we focussed on only "RX Claim - Paid" events with MME > 0 for target modelling.

3.2. Target Modelling

Our aim is to understand whether there is an occurance of Long Term Opioid Treatment post a naive opioid event. A naive opioid event is defined as not having opioid on hand for the preceding 90 day period based on the Days and pay day supply count columns. An LTOT event occurrence is defined as having opioid on hand for >= 162 days in the 180 days post a naive opioid event. The following cases illustrate the two cases where LTOT is observed:



Following are a few nuances:

- Any instance where the claims have overlapping dates of coverage, these are counted as single day of accumulation
- All Naive Opioid events for a patient post Days = 0 are also evaluated for LTOT

We observed that the incidence of LTOT in the training data was 46% (6,463 cases out of the 14,000).

3.3 Feature Engineering:

We explored and extracted features from each of the sixteen types of events to understand the patient behaviour. For most of the features which included aggregation across time, we defined three time buckets, and aggregated the features for each of these. The time buckets are:

- 0 to 180 days prior to Day 0
- 180 to 360 days prior to Day 0
- 360+ days prior to Day 0

The following section highlights in brief the different features that were generated:

1. Call Events

- a. Inbound call by member
- b. Inbound call by provider
- c. Inbound call by other

For three of these, we computed the number of calls made for each of the categories in three time buckets. This provided insights on touch points between Humana and the customers to identify patterns.

2. Claim Events

a. Fully Paid Claim

For this category, we created features to understand the total number of fully paid claims, total Rx cost of the fully paid claims, and the total member responsible amount of the fully paid claims in each of the three time buckets. Furthermore, literature indicates that incidence of certain diagnosis is a good indicator of future opioid addiction [4]. Therefore, we were interested in looking into individual diagnosis specific events for creating features. Certain diagnosis claim groups were identified and the

total number of fully paid claims, total Rx cost of the fully paid claims, and the total member responsible amount of the fully paid claims in each of the three time buckets; as well as the claim recency as compared to Day 0 were constructed for each of the groups. The groups are:

- Depression, Anxiety and Stress (identified by the presence of keywords "psych", "depress", "anxiety" or "chronic"+"stress" in the Diagnosis)
- Substance Abuse (Identified by the presence of keywords "tobacco", "nicotine" or "alcohol" in the Diagnosis)
- Prior opioid dependence (Identified by the presence of keywords "opioid" and the absence of "excluding" and "unintentional" in the Diagnosis)
- Sexual Dysfunction (Identified by the presence of keywords "sexual" and "dysfunction" in the Diagnosis)
- Fracture (Identified by the presence of keywords "fracture" in the Diagnosis)
- Myocardial Infarction (Identified by the presence of keywords "myocardial" and "infarction" in the Diagnosis)

b. Surgery

For Surgery, we computed the total number of fully paid claims, total Rx cost of the claim, and the total member responsible amount of the claim in each of the three time buckets; as well as the claim recency as compared to Day 0.

3. Diagnosis

- a. New Diagnosis CAD
- b. New Diagnosis CPD
- c. New Diagnosis CHD
- d. New Diagnosis Diabetes
- e. New Diagnosis Hypertension

For each of the above new diagnosis events, we computed the recency of diagnosis, diagnosis Cost and member responsible cost as our features. We observed that the event "New Diagnosis - Top 5" was always accompanied by one or more of the other new diagnosis events. Hence, we decided to ignore this event for any feature generation.

4. Provider

a. New Provider

This is an interesting category as it is an indication of how frequently a patient adds new providers. A few changes due to incompatibility, location preference is understandable. However, if a patient adds new providers more than a few time every few months, it's suspicious behaviour. It is possible that he/she is doing it in an attempt to make a certain prescription happen. We computed the count of providers for the three time buckets.

5. Rx Claim

a. Rx Claim - Paid

For the pharmacy claims, we were interested in observing if there are any prescription patterns related to the individual drug groups that are more indicative of LTOT. So, for all drug group descriptions, we computed the total number of claims, total Rx cost of the claim, and the total member responsible amount of the claim in each of the three time buckets; as well as the claim recency as compared to Day 0.

b. Rx Claim - Rejected

For each of the time buckets, we counted the number of rejected claims for each patient as features.

c. Rx Claim - First Time Mail Order

For first time mail order, we created just one feature for the recency of occurrence of this event as compared to Day 0.

d. Rx Claim - New drug

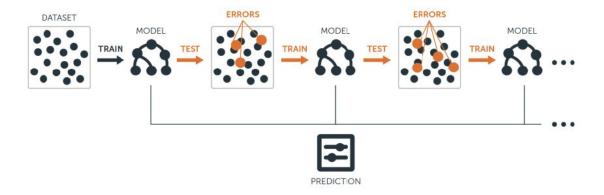
For each of the time buckets, we counted the number of new drug starts for each patient as features.

We ended up constructing a total of 479 features from our data, and felt confident that these would be well-representative of the patient behaviour. Please refer to Appendix 3 for a list of all the features.

4. Modelling

Now that we have computed our target and engineered the features, the next step was modelling. In order to quickly iterate through different models and hyperparameter sets, we utilized the open source automated machine learning module of H2O.ai. This module automatically fit Random Forests, Extremely Randomized Trees, Logistic Regression and Gradient Boosting trees (both XGBoost and H2O implementation) on our final processed patient level dataset. Since our problem is a binary classification problem, the objective function that was minimized was "log-loss". The module performed random grid hyperparameter search for each of these model types and utilized five fold cross-validation to ascertain the most optimal model. The top performing model was a XGBoost gradient boosting tree classifier with hyperparameters: max_depth = 20, learning_rate = 0.05, n_estimators = 129, colsample_bynode = 0.6, subsample = 0.8, colsample_bytree = 0.7, reg_lambda = 100 and reg_alpha = 0.001.

A gradient boosted tree is a supervised learning technique, which produces a prediction model in the form of an ensemble of weaker prediction models (i.e. decision trees). It builds the model in a stage-wise fashion. Below is a visual representation that illustrates how a gradient boosting tree model works:

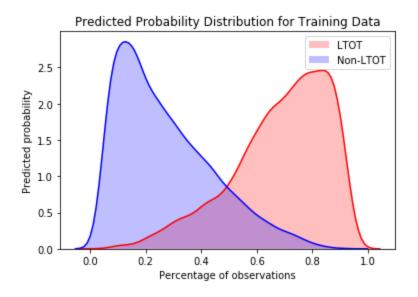


The average five fold cross validation performance metrics for this model are as follows:

| AUC | 0.8045 |
|----------|--------|
| Accuracy | 0.7297 |

| Precision | 0.7128 |
|-----------|--------|
| Recall | 0.6944 |
| f-score | 0.7034 |

Furthermore, we were interested in looking at the probability distributions for the two classes in the training data:

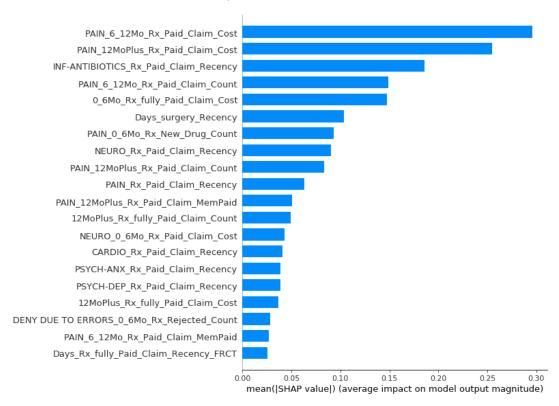


As we can see from the performance metrics as well as the chart above, our classifier does a good job in classifying a particular patient as LTOT probable or not.

5. Key Performance Indicator Analysis:

5.1. Overall Feature Importance

In order to interpret the effects of the different features on the probability of LTOT, we decided to go forward with SHapley Additive exPlanations (SHAP) plots. Please refer to this <u>link</u> for a primer on SHAP and the related plots. Firstly, the following chart illustrates the overall feature importance of the top 20 most impactful features as identified by our model. For our analysis, we focus only on these 20 features, as the rest of the features contribute less than 1% individually to the total observed variance.

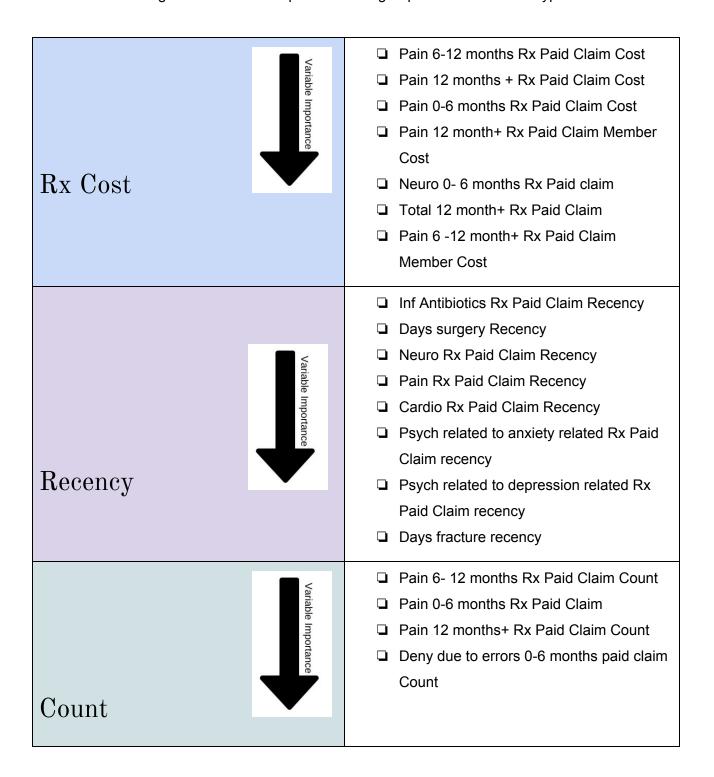


5.2. Grouping features in 3 main categories

It's very interesting to see that all our features can be grouped into: Rx Cost, Count and recency features; and most of the features follow a pattern of importance of cost, recency and then count. It's also very interesting to note that the features derived from the pharmacy claims for pain related medication are the most impactful in determining future LTOT occurance in a patient. Thus, we can say that for patients who have a history of requiring pain medication (includes prior opioid drugs, muscle relaxants,

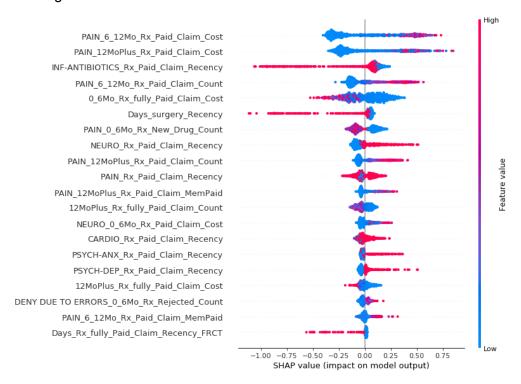
analgesics, anesthetics etc.), it can be determined with good accuracy whether they would see the occurrence of LTOT or not.

The following table shows the top 20 features grouped into the feature type buckets:



5.3. Relationship with the Response Variable

Now that we have determined the top key performance indicators, we were interested in understanding the relationship between these and LTOT. e.g. does more pain prescriptions lead to higher or lower risk of opioid addiction? For this, we plotted the SHAP tree plot which summarized the general direction of impact for the top 20 variables in a single chart.



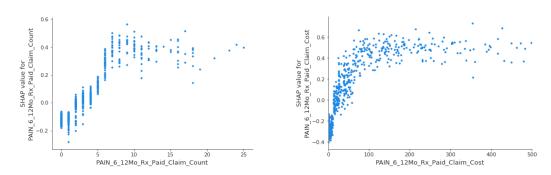
As it can be seen, the variables PAIN_6_12Mo_Rx_Paid_Claim_Cost and PAIN_12MoPlus_Rx_Paid_Claim_Cost positively influence the LTOT probability. These means as these variables increase, the probability of a patient to undergo LTOT in the future increases. On the other hand, the variable INF-ANTIBIOTICS_Rx_Paid_Claim_Recency negatively influences the LTOT probability. Similar interpretations can be derived for the rest of the variables.

The above chart only provides a general direction of influence. We were interested in understanding the actual relationships and whether any actionable insights can be derived from them. For this, we looked at the dependency plots for individual variables.

5.4. Deeper dive in main effects and interaction effects of variables and Recommendations

For this deep dive, we look at evaluating few specific features of interest among the top 20. The dependence plots for the rest of the features are provided in Appendix 2.

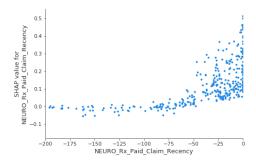
• PAIN_6_12Mo_Rx_Paid_Claim_Cost and PAIN_6_12Mo_Rx_Paid_Claim_Count



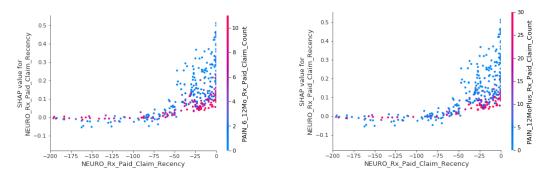
Observation: As observed above, it can be seen that these variables positively influence the probability. However, the relationship is not linear. For PAIN_6_12Mo_Rx_Paid_Claim_Cost, It is observed that influence keeps increasing till about \$100 and flattens later. Similarly, the threshold observed for PAIN_6_12Mo_Rx_Paid_Claim_Count is ~7 claims. Another interesting point to note is that the overall medical history before 6 months is more important than the most recent 0 - 6 months.

Recommendation: Since Humana has access to the patient's medical history, these thresholds provide a good indication of whether the patient's claims should be closely monitored for LTOT or not. If during the interval 6 - 12 months, the patient has had total claim cost higher than \$100 and/or the count is higher than 7, the dosage should be monitored and if possible, reduce the frequency or dosage of opioids.

NEURO_Rx_Paid_Claim_Recency

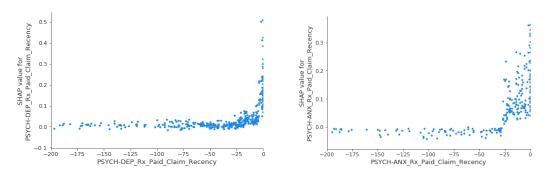


Observation: The more recent occurrence of prescription neuro drugs leads to a higher likelihood of occurrence of LTOT with the effect increasing substantially if the neuro prescription was given with the last 50 days. Furthermore, we can observe that the variance increases for values > -50. This indicates that there may be interaction effects between NEURO_Rx_Paid_Claim_Recency and other variables. Looking at the top two interaction effects for this feature:



Both the above charts portray the same story i.e. if a patient has had a higher number of pain prescription related claims in the time period 6months+ prior to Day 0, a neuro claim does not have a significant impact on the LTOT probability. However, for patients not having a lot of pain claims, the probability increases with the recency of a Neuro drug prescription claim.

Recommendation: If a particular patient does not have a history of taking pain medication (in the period 6 months+ prior to Day0), but is observed to have a neuro medication in the most recent 50 days, the patient should be closely monitored for potential LTOT.



Observation: The more recent occurrence of prescription depression or anxiety drug leads to a higher likelihood of occurrence of LTOT with the effect increasing exponentially if the depression prescription was given with the most recent 25 days.

Recommendation: If within the most 25 days, a depression or anxiety drug claim has been fulfilled for a patient, Humana should closely monitor dosage of opioid and if possible, reduce the frequency or dosage of opioids.

For the dependence plots for the rest of the features in the top 20 list, please refer to Appendix 2. Furthermore, we have computed similar thresholds to indicate increased propensity to LTOT for all the variables in the top 20 most impactful variable list and have provided the same in Appendix 1.

6. Overall Takeaways

Following are our overall takeaways:

- Commenting on the feasibility of the data provided for modelling, we are able to identify patients at risk of LTOT with high accuracy
- Patients with a history of pain medication specifically in the 6-12 months period prior to Day 0 have a higher propensity of experiencing LTOT
- Patients for whom we observe psychological (depression and anxiety) or a neuro drug prescriptions being filled in the most recent one month have a higher propensity of LTOT
- As an immediate step for Humana, we have identified thresholds for the top 20
 most impactful features (present in Appendix 1) to identify patients at higher risk
 of LTOT based on their activity so that early intervention can be provided
- Using the SHAP independence plots, we identified thresholds for the top 20 most impactful features that can serve as initial indicators for Humana to focus on when evaluating a member's propensity to LTOT
- Features related to rate of change of providers, counts of new diagnoses in the past as well as touchpoints through calls did not matter in predicting LTOT

7. Future steps - Analysis

- Optimising threshold time interval for prescription of opioid so that we can reduce
 the risk of opioid addiction. For instance, it is possible that people are more likely
 to be addicted to opiod if they are prescribed to them for longer than 6 months. It
 will also be very interesting to explore the probabilities of addiction with time to
 find the most optimum time to give early intervention
- The main effects of the factors gives us very interesting insights. In the future, we
 would like to look at interaction effects in-depth to explore more relationships
 within the factors that account for the majority of predictability
- Since we notice that Rx claimed prescription mostly gives us predictability for LTOT, it will be interesting to see the effect of Rx claimed prescription - count, cost and recency when we bucket them at a month level instead of (0 - 6 months, 6 - 12 months, 12+ months). This will also give us a better idea to understand the threshold time interval to mitigate opioid addiction risk
- Additionally, exploration about the demographic of the patients will give us a
 better idea about the strata of society which is at highest risk. It's also possible
 that the probability of addiction of opioids decreases with age. Hence, it will be
 interesting to explore distribution of addiction probabilities corresponding to age,
 gender, income bracket etc.
- It would be interesting for us to study the relationships between the specific
 patient behaviour and the insurance plans that they have availed from Humana.
 We suspect that a certain threshold of deductible, out of pocket maximum as
 well as premium could be a good indicator of likelihood of LTOT, if the
 information is available

8. Proof of Concept - Model Deployment, Lifecycle & Testing

- Model Deployment: The current proof of concept is entirely built in Python. We
 can develop and provide a flask application with a user interface which can serve
 as a one-click solution to ingest data, train model, provide predictions and track
 model performance. This application can be deployed in-house in Humana's data
 server and should be able to integrate directly with Humana's data infrastructure
- Model Lifecycle: The current prediction model is trained on the event level data from 2015 to 2018. As time passes and new data is administered, the underlying data relationships can change and the model performance can degrade. To prevent the model from being ununable, the model performance should be tracked and the model retrained using new data if necessary
- Model Testing: The current model is built using the method of cross-validation
 for model hyperparameter optimization and model selection. Since we need to
 use past data to predict future, this methodology may not yield a good model to
 predict on future data. We recommend implementing out-of-time validation to
 tackle the same wherein the validation set is constituted of future data points.
 The current format of the data ,with actual dates masked was not conducive to
 conduct this.

9. Business Value creation for Humana





Correctly identifying individuals at the highest risk of opioid addiction will make it possible to provide earlier intervention by providing an alternate way to combat pain etc through physical therapy etc

By correctly identifying individuals at the highest risk of opioid addiction, Humana could provide earlier intervention and possibly save ~\$18 million (~73% model accuracy * 25 million derived in the Case Background section) annually surplus cost of Opioid addiction treatment.

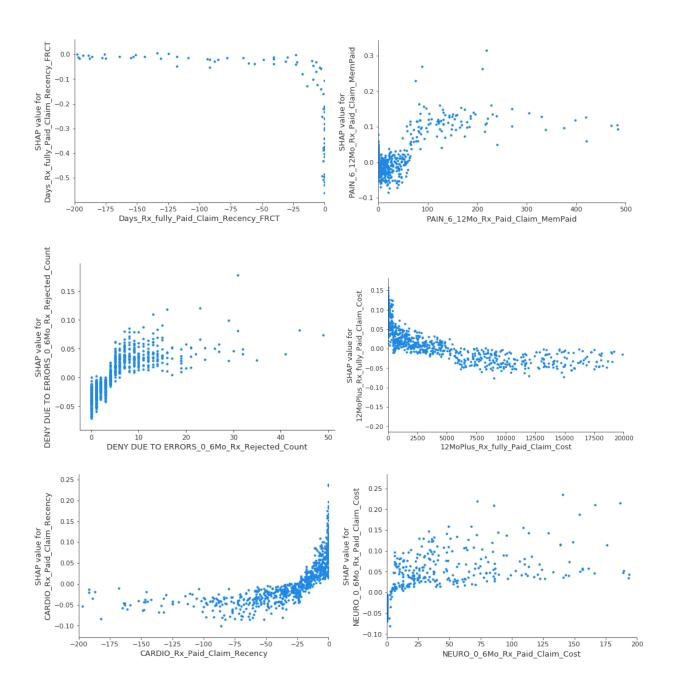
10. Appendix:

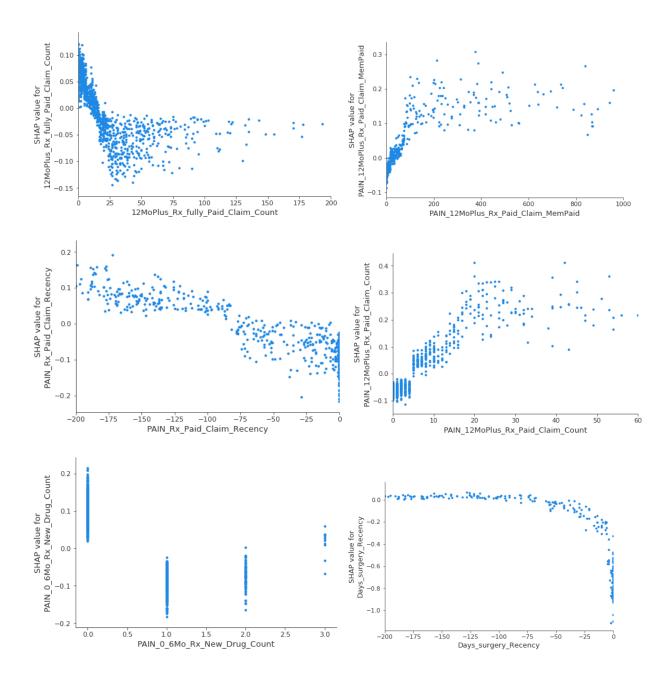
Appendix 1: Variable Thresholds

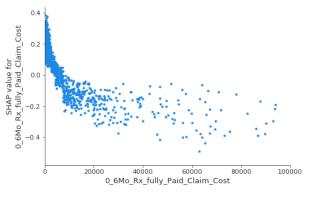
Thresholds for Top 20 features

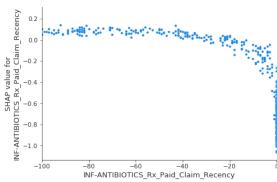
| Variable | Threshold |
|--|-----------|
| PAIN_6_12Mo_Rx_Paid_Claim_Cost | > \$100 |
| PAIN_6_12Mo_Rx_Paid_Claim_Count | > 7 |
| PAIN_6_12Mo_Rx_Paid_Claim_MemPaid | > \$100 |
| Neuro_Rx _Paid_Claim_Recency | > -50 |
| PSYCH-ANX_Rx_Paid_Claim_Recency | > -25 |
| PSYCH-DEP_Rx_Paid_Claim_Recency | > -25 |
| 0_6Mo_Rx_fully_Paid_Claim_Cost | < 15000 |
| 12MoPlus_Rx_fully_Paid_Claim_Cost | < 500 |
| 12MoPlus_Rx_fully_Paid_Claim_Count | < 10 |
| CARDIO_Rx_Paid_Claim_Recency | > -25 |
| Days_Rx_fully_Paid_Claim_Recency_FRCT | > -25 |
| Days_surgery_Recency | < -25 |
| INF-ANTIBIOTICS_Rx_Paid_Claim_Recency | < -30 |
| DENY DUE TO ERRORS_0_6Mo_Rx_Rejected_Count | > 30 |
| NEURO_0_6Mo_Rx_Paid_Claim_Cost | > \$25 |
| PAIN_0_6Mo_Rx_New_Drug_Count | = 0 |
| PAIN_12MoPlus_Rx_Paid_Claim_Cost | > \$100 |
| PAIN_12MoPlus_Rx_Paid_Claim_Count | > 20 |
| PAIN_12MoPlus_Rx_Paid_Claim_MemPaid | > \$200 |
| PAIN_Rx_Paid_Claim_Recency | < -50 |

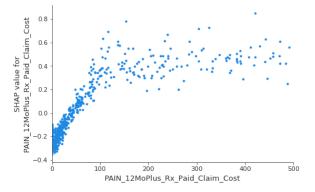
Appendix 2: Feature dependence plots











Appendix 3: All feature definitions

| Feature | Description |
|--|---|
| 0_6Mo_Rx_fully_Paid_Claim_Count | Count of fully paid claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_Count | Count of fully paid claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_Count | Count of fully paid claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_Cost | Total Cost of fully paid claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_Cost | Total Cost of fully paid claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_Cost | Total Cost of fully paid claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_MemPaid | Total Member Responsible Amount of fully paid claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_MemP aid | Total Member Responsible Amount of fully paid claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_MemPaid | Total Member Responsible Amount of fully paid claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_Count_P SYCH | Count of fully paid Psychotic / Depression claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_Count _PSYCH | Count of fully paid Psychotic / Depression claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_Count_ PSYCH | Count of fully paid Psychotic / Depression claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_Cost_PS YCH | Total Cost of fully paid Psychotic / Depression claims in the most recent 180 days from Day 0 |

| 12MoPlus_Rx_fully_Paid_Claim_Cost_ PSYCH | Total Cost of fully paid Psychotic / Depression claims earlier than 360 days from Day 0 |
|--|--|
| 6_12Mo_Rx_fully_Paid_Claim_Cost_P SYCH | Total Cost of fully paid Psychotic / Depression claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_MemPaid _PSYCH | Total Member Responsible Amount of fully paid Psychotic / Depression claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_MemP aid_PSYCH | Total Member Responsible Amount of fully paid Psychotic / Depression claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_MemPaid_PSYCH | Total Member Responsible Amount of fully paid Psychotic / Depression claims in 180 to 360 days earlier than Day 0 |
| Days_Rx_fully_Paid_Claim_Recency_P SYCH | Recency of Psychotic / Depression claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_Count_S UBST | Count of fully paid Substance Abuse claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_Count _SUBST | Count of fully paid Substance Abuse claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_Count_ SUBST | Count of fully paid Substance Abuse claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_Cost_SU BST | Total Cost of fully paid Substance Abuse claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_Cost_ SUBST | Total Cost of fully paid Substance Abuse claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_Cost_S UBST | Total Cost of fully paid Substance Abuse claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_MemPaid _SUBST | Total Member Responsible Amount of fully paid Substance Abuse claims in the most recent 180 days from Day 0 |

| 12MoPlus_Rx_fully_Paid_Claim_MemP aid_SUBST | Total Member Responsible Amount of fully paid Substance Abuse claims earlier than 360 days from Day 0 |
|--|--|
| 6_12Mo_Rx_fully_Paid_Claim_MemPaid_SUBST | Total Member Responsible Amount of fully paid Substance Abuse claims in 180 to 360 days earlier than Day 0 |
| Days_Rx_fully_Paid_Claim_Recency_S UBST | Recency of Substance Abuse claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_Count_P ROPM | Count of fully paid Opioid Abuse claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_Count _PROPM | Count of fully paid Opioid Abuse claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_Count_ PROPM | Count of fully paid Opioid Abuse claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_Cost_PR OPM | Total Cost of fully paid Opioid Abuse claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_Cost_ PROPM | Total Cost of fully paid Opioid Abuse claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_Cost_P ROPM | Total Cost of fully paid Opioid Abuse claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_MemPaid _PROPM | Total Member Responsible Amount of fully paid Opioid Abuse claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_MemP aid_PROPM | Total Member Responsible Amount of fully paid Opioid Abuse claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_MemPaid_PROPM | Total Member Responsible Amount of fully paid Opioid Abuse claims in 180 to 360 days earlier than Day 0 |
| Days_Rx_fully_Paid_Claim_Recency_P ROPM | Recency of Opioid Abuse claims in 180 to 360 days earlier than Day 0 |

| 0_6Mo_Rx_fully_Paid_Claim_Count_S EXDYS | Count of fully paid Sexual Dysfunction claims in the most recent 180 days from Day 0 |
|---|--|
| 12MoPlus_Rx_fully_Paid_Claim_Count _SEXDYS | Count of fully paid Sexual Dysfunction claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_Count_ SEXDYS | Count of fully paid Sexual Dysfunction claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_Cost_SE XDYS | Total Cost of fully paid Sexual Dysfunction claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_Cost_ SEXDYS | Total Cost of fully paid Sexual Dysfunction claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_Cost_S EXDYS | Total Cost of fully paid Sexual Dysfunction claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_MemPaid _SEXDYS | Total Member Responsible Amount of fully paid Sexual Dysfunction claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_MemP aid_SEXDYS | Total Member Responsible Amount of fully paid Sexual Dysfunction claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_MemPaid_SEXDYS | Total Member Responsible Amount of fully paid Sexual Dysfunction claims in 180 to 360 days earlier than Day 0 |
| Days_Rx_fully_Paid_Claim_Recency_S EXDYS | Recency of Sexual Dysfunction claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_Count_F RCT | Count of fully paid Fracture claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_Count _FRCT | Count of fully paid Fracture claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_Count_ FRCT | Count of fully paid Fracture claims in 180 to 360 days earlier than Day 0 |

| 0_6Mo_Rx_fully_Paid_Claim_Cost_FR CT | Total Cost of fully paid Fracture claims in the most recent 180 days from Day 0 |
|---|--|
| 12MoPlus_Rx_fully_Paid_Claim_Cost_ FRCT | Total Cost of fully paid Fracture claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_Cost_F RCT | Total Cost of fully paid Fracture claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_MemPaid _FRCT | Total Member Responsible Amount of fully paid Fracture claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_MemP aid_FRCT | Total Member Responsible Amount of fully paid Fracture claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_MemPaid_FRCT | Total Member Responsible Amount of fully paid Fracture claims in 180 to 360 days earlier than Day 0 |
| Days_Rx_fully_Paid_Claim_Recency_F RCT | Recency of Fracture claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_Count_M YIF | Count of fully paid Myocardial Infarction claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_Count _MYIF | Count of fully paid Myocardial Infarction claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_Count_ MYIF | Count of fully paid Myocardial Infarction claims in 180 to 360 days earlier than Day 0 |
| 0_6Mo_Rx_fully_Paid_Claim_Cost_MY IF | Total Cost of fully paid Myocardial Infarction claims in the most recent 180 days from Day 0 |
| 12MoPlus_Rx_fully_Paid_Claim_Cost_ MYIF | Total Cost of fully paid Myocardial Infarction claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_Cost_M YIF | Total Cost of fully paid Myocardial Infarction claims in 180 to 360 days earlier than Day 0 |

| 0_6Mo_Rx_fully_Paid_Claim_MemPaid _MYIF | Total Member Responsible Amount of fully paid Myocardial Infarction claims in the most recent 180 days from Day 0 |
|--|---|
| 12MoPlus_Rx_fully_Paid_Claim_MemP aid_MYIF | Total Member Responsible Amount of fully paid Myocardial Infarction claims earlier than 360 days from Day 0 |
| 6_12Mo_Rx_fully_Paid_Claim_MemPaid_MYIF | Total Member Responsible Amount of fully paid Myocardial Infarction claims in 180 to 360 days earlier than Day 0 |
| Days_Rx_fully_Paid_Claim_Recency_ MYIF | Recency of Myocardial Infarction claims in 180 to 360 days earlier than Day 0 |
| CANCER_0_6Mo_Rx_New_Drug_Count | New CANCER drug count for the patient in the most recent 180 days from Day 0 |
| CANCER_12MoPlus_Rx_New_Drug_C ount | New CANCER drug count for the patient in timeline earlier than 360 days from Day 0 |
| CANCER_6_12Mo_Rx_New_Drug_Co unt | New CANCER drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| CARDIO_0_6Mo_Rx_New_Drug_Coun t | New CARDIO drug count for the patient in the most recent 180 days from Day 0 |
| CARDIO_12MoPlus_Rx_New_Drug_C ount | New CARDIO drug count for the patient in timeline earlier than 360 days from Day 0 |
| CARDIO_6_12Mo_Rx_New_Drug_Count | New CARDIO drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| DERM_0_6Mo_Rx_New_Drug_Count | New DERM drug count for the patient in the most recent 180 days from Day 0 |
| DERM_12MoPlus_Rx_New_Drug_Count | New DERM drug count for the patient in timeline earlier than 360 days from Day 0 |
| DERM_6_12Mo_Rx_New_Drug_Count | New DERM drug count for the patient in timeline 180 to 360 days earlier than Day 0 |

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|--|---|
| DIABETES_0_6Mo_Rx_New_Drug_Co unt | New DIABETES drug count for the patient in the most recent 180 days from Day 0 |
| DIABETES_12MoPlus_Rx_New_Drug_ Count | New DIABETES drug count for the patient in timeline earlier than 360 days from Day 0 |
| DIABETES_6_12Mo_Rx_New_Drug_C ount | New DIABETES drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| GASTRO_0_6Mo_Rx_New_Drug_Count | New GASTRO drug count for the patient in the most recent 180 days from Day 0 |
| GASTRO_12MoPlus_Rx_New_Drug_C ount | New GASTRO drug count for the patient in timeline earlier than 360 days from Day 0 |
| GASTRO_6_12Mo_Rx_New_Drug_Co unt | New GASTRO drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| GENDER-FEMALE_0_6Mo_Rx_New_ Drug_Count | New GENDER-FEMALE drug count for the patient in the most recent 180 days from Day 0 |
| GENDER-FEMALE_12MoPlus_Rx_Ne w_Drug_Count | New GENDER-FEMALE drug count for the patient in timeline earlier than 360 days from Day 0 |
| GENDER-FEMALE_6_12Mo_Rx_New_ Drug_Count | New GENDER-FEMALE drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| GENDER-MALE_0_6Mo_Rx_New_Dru g_Count | New GENDER-MALE drug count for the patient in the most recent 180 days from Day 0 |
| GENDER-MALE_12MoPlus_Rx_New_ Drug_Count | New GENDER-MALE drug count for the patient in timeline earlier than 360 days from Day 0 |
| GENDER-MALE_6_12Mo_Rx_New_Dr ug_Count | New GENDER-MALE drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| INF-ANTIBIOTICS_0_6Mo_Rx_New_D rug_Count | New INF-ANTIBIOTICS drug count for the patient in the most recent 180 days from Day 0 |

| INF-ANTIBIOTICS_12MoPlus_Rx_New _Drug_Count | New INF-ANTIBIOTICS drug count for the patient in timeline earlier than 360 days from Day 0 |
|--|---|
| INF-ANTIBIOTICS_6_12Mo_Rx_New_ Drug_Count | New INF-ANTIBIOTICS drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| LAXATIVE/BLADDER_0_6Mo_Rx_New _Drug_Count | New LAXATIVE/BLADDER drug count for the patient in the most recent 180 days from Day 0 |
| LAXATIVE/BLADDER_12MoPlus_Rx_ New_Drug_Count | New LAXATIVE/BLADDER drug count for the patient in timeline earlier than 360 days from Day 0 |
| LAXATIVE/BLADDER_6_12Mo_Rx_Ne w_Drug_Count | New LAXATIVE/BLADDER drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| NEURO_0_6Mo_Rx_New_Drug_Count | New NEURO drug count for the patient in the most recent 180 days from Day 0 |
| NEURO_12MoPlus_Rx_New_Drug_Co unt | New NEURO drug count for the patient in timeline earlier than 360 days from Day 0 |
| NEURO_6_12Mo_Rx_New_Drug_Count | New NEURO drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| NUISANCE-SLEEP_0_6Mo_Rx_New_ Drug_Count | New NUISANCE-SLEEP drug count for the patient in the most recent 180 days from Day 0 |
| NUISANCE-SLEEP_12MoPlus_Rx_Ne w_Drug_Count | New NUISANCE-SLEEP drug count for the patient in timeline earlier than 360 days from Day 0 |
| NUISANCE-SLEEP_6_12Mo_Rx_New _Drug_Count | New NUISANCE-SLEEP drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| NUISANCE-STIMULANTS_0_6Mo_Rx _New_Drug_Count | New NUISANCE-STIMULANTS drug count for the patient in the most recent 180 days from Day 0 |
| NUISANCE-STIMULANTS_12MoPlus_ Rx_New_Drug_Count | New NUISANCE-STIMULANTS drug count for the patient in timeline earlier than 360 days from Day 0 |

| NUISANCE-STIMULANTS_6_12Mo_R x_New_Drug_Count | New NUISANCE-STIMULANTS drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
|--|--|
| OTH-BLOOD/PLATELET THINNER_0_6Mo_Rx_New_Drug_Cou nt | New OTH-BLOOD/PLATELET THINNER drug count for the patient in the most recent 180 days from Day 0 |
| OTH-BLOOD/PLATELET THINNER_12MoPlus_Rx_New_Drug_ Count | New OTH-BLOOD/PLATELET THINNER drug count for the patient in timeline earlier than 360 days from Day 0 |
| OTH-BLOOD/PLATELET THINNER_6_12Mo_Rx_New_Drug_Co unt | New OTH-BLOOD/PLATELET THINNER drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| OTH-GROWTH HORMONE_12MoPlus_Rx_New_Drug _Count | New OTH-GROWTH HORMONE drug count for the patient in timeline earlier than 360 days from Day 0 |
| OTH-GROWTH HORMONE_6_12Mo_Rx_New_Drug_C ount | New OTH-GROWTH HORMONE drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| OTH-HIV_0_6Mo_Rx_New_Drug_Count | New OTH-HIV drug count for the patient in the most recent 180 days from Day 0 |
| OTH-HIV_12MoPlus_Rx_New_Drug_C ount | New OTH-HIV drug count for the patient in timeline earlier than 360 days from Day 0 |
| OTH-HIV_6_12Mo_Rx_New_Drug_Count | New OTH-HIV drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| OTH-IMMUNOSUPPRESSIVE AGENTS_0_6Mo_Rx_New_Drug_Coun t | New OTH-IMMUNOSUPPRESSIVE AGENTS drug count for the patient in the most recent 180 days from Day 0 |
| OTH-IMMUNOSUPPRESSIVE AGENTS_12MoPlus_Rx_New_Drug_C ount | New OTH-IMMUNOSUPPRESSIVE AGENTS drug count for the patient in timeline earlier than 360 days from Day 0 |

| OTH-IMMUNOSUPPRESSIVE AGENTS_6_12Mo_Rx_New_Drug_Count | New OTH-IMMUNOSUPPRESSIVE AGENTS drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
|--|--|
| OTH-OSTEOPOROSIS_0_6Mo_Rx_Ne w_Drug_Count | New OTH-OSTEOPOROSIS drug count for the patient in the most recent 180 days from Day 0 |
| OTH-OSTEOPOROSIS_12MoPlus_Rx _New_Drug_Count | New OTH-OSTEOPOROSIS drug count for the patient in timeline earlier than 360 days from Day 0 |
| OTH-OSTEOPOROSIS_6_12Mo_Rx_N ew_Drug_Count | New OTH-OSTEOPOROSIS drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| OTH-STEROIDS_0_6Mo_Rx_New_Dru g_Count | New OTH-STEROIDS drug count for the patient in the most recent 180 days from Day 0 |
| OTH-STEROIDS_12MoPlus_Rx_New_ Drug_Count | New OTH-STEROIDS drug count for the patient in timeline earlier than 360 days from Day 0 |
| OTH-STEROIDS_6_12Mo_Rx_New_Dr ug_Count | New OTH-STEROIDS drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| OTH-THYROID_0_6Mo_Rx_New_Drug _Count | New OTH-THYROID drug count for the patient in the most recent 180 days from Day 0 |
| OTH-THYROID_12MoPlus_Rx_New_D rug_Count | New OTH-THYROID drug count for the patient in timeline earlier than 360 days from Day 0 |
| OTH-THYROID_6_12Mo_Rx_New_Dru g_Count | New OTH-THYROID drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| OTHER_0_6Mo_Rx_New_Drug_Count | New OTHER drug count for the patient in the most recent 180 days from Day 0 |
| OTHER_12MoPlus_Rx_New_Drug_Co unt | New OTHER drug count for the patient in timeline earlier than 360 days from Day 0 |
| OTHER_6_12Mo_Rx_New_Drug_Coun t | New OTHER drug count for the patient in timeline 180 to 360 days earlier than Day 0 |

| OTHER ANTI INFECTIVES_0_6Mo_Rx_New_Drug_ Count | New OTHER ANTI INFECTIVES drug count for the patient in the most recent 180 days from Day 0 |
|---|---|
| OTHER ANTI INFECTIVES_12MoPlus_Rx_New_Dru g_Count | New OTHER ANTI INFECTIVES drug count for the patient in timeline earlier than 360 days from Day 0 |
| OTHER ANTI INFECTIVES_6_12Mo_Rx_New_Drug_ Count | New OTHER ANTI INFECTIVES drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| PAIN_0_6Mo_Rx_New_Drug_Count | New PAIN drug count for the patient in the most recent 180 days from Day 0 |
| PAIN_12MoPlus_Rx_New_Drug_Count | New PAIN drug count for the patient in timeline earlier than 360 days from Day 0 |
| PAIN_6_12Mo_Rx_New_Drug_Count | New PAIN drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| PSYCH_0_6Mo_Rx_New_Drug_Count | New PSYCH drug count for the patient in the most recent 180 days from Day 0 |
| PSYCH_12MoPlus_Rx_New_Drug_Count | New PSYCH drug count for the patient in timeline earlier than 360 days from Day 0 |
| PSYCH_6_12Mo_Rx_New_Drug_Count | New PSYCH drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| PSYCH-ANX_0_6Mo_Rx_New_Drug_ Count | New PSYCH-ANX drug count for the patient in the most recent 180 days from Day 0 |
| PSYCH-ANX_12MoPlus_Rx_New_Dru g_Count | New PSYCH-ANX drug count for the patient in timeline earlier than 360 days from Day 0 |
| PSYCH-ANX_6_12Mo_Rx_New_Drug_ Count | New PSYCH-ANX drug count for the patient in timeline 180 to 360 days earlier than Day 0 |

| PSYCH-DEP_0_6Mo_Rx_New_Drug_ Count | New PSYCH-DEP drug count for the patient in the most recent 180 days from Day 0 |
|---|--|
| PSYCH-DEP_12MoPlus_Rx_New_Dru g_Count | New PSYCH-DEP drug count for the patient in timeline earlier than 360 days from Day 0 |
| PSYCH-DEP_6_12Mo_Rx_New_Drug_ Count | New PSYCH-DEP drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| RESPIRATORY_0_6Mo_Rx_New_Dru g_Count | New RESPIRATORY drug count for the patient in the most recent 180 days from Day 0 |
| RESPIRATORY_12MoPlus_Rx_New_ Drug_Count | New RESPIRATORY drug count for the patient in timeline earlier than 360 days from Day 0 |
| RESPIRATORY_6_12Mo_Rx_New_Dr ug_Count | New RESPIRATORY drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| SENSE ORGANS EARS/EYES/MOUTH_0_6Mo_Rx_New _Drug_Count | New SENSE ORGANS EARS/EYES/MOUTH drug count for the patient in the most recent 180 days from Day 0 |
| SENSE ORGANS EARS/EYES/MOUTH_12MoPlus_Rx_N ew_Drug_Count | New SENSE ORGANS EARS/EYES/MOUTH drug count for the patient in timeline earlier than 360 days from Day 0 |
| SENSE ORGANS EARS/EYES/MOUTH_6_12Mo_Rx_Ne w_Drug_Count | New SENSE ORGANS EARS/EYES/MOUTH drug count for the patient in timeline 180 to 360 days earlier than Day 0 |
| SUPPLIES/SUPPLEMENTS/TESTS_0 _6Mo_Rx_New_Drug_Count | New SUPPLIES/SUPPLEMENTS/TESTS drug count for the patient in the most recent 180 days from Day 0 |
| SUPPLIES/SUPPLEMENTS/TESTS_1 2MoPlus_Rx_New_Drug_Count | New SUPPLIES/SUPPLEMENTS/TESTS drug count for the patient in timeline earlier than 360 days from Day 0 |
| SUPPLIES/SUPPLEMENTS/TESTS_6 _12Mo_Rx_New_Drug_Count | New SUPPLIES/SUPPLEMENTS/TEST drug count for the patient in timeline 180 to 360 days earlier than Day 0 |

| CANCER_0_6Mo_Rx_Paid_Claim_Count | CANCER pharmacy claims count in the most recent 180 days from Day 0 |
|---|---|
| CANCER_12MoPlus_Rx_Paid_Claim_ Count | CANCER pharmacy claims count post 360 days prior from Day 0 |
| CANCER_6_12Mo_Rx_Paid_Claim_Count | CANCER pharmacy claims count in time 180 to 360 days prior to Day 0 |
| CARDIO_0_6Mo_Rx_Paid_Claim_Count | CARDIO pharmacy claims count in the most recent 180 days from Day 0 |
| CARDIO_12MoPlus_Rx_Paid_Claim_C ount | CARDIO pharmacy claims count post 360 days prior from Day 0 |
| CARDIO_6_12Mo_Rx_Paid_Claim_Co unt | CARDIO pharmacy claims count in time 180 to 360 days prior to Day 0 |
| DERM_0_6Mo_Rx_Paid_Claim_Count | DERM pharmacy claims count in the most recent 180 days from Day 0 |
| DERM_12MoPlus_Rx_Paid_Claim_Count | DERM pharmacy claims count post 360 days prior from Day 0 |
| DERM_6_12Mo_Rx_Paid_Claim_Coun t | DERM pharmacy claims count in time 180 to 360 days prior to Day 0 |
| DIABETES_0_6Mo_Rx_Paid_Claim_C ount | DIABETES pharmacy claims count in the most recent 180 days from Day 0 |
| DIABETES_12MoPlus_Rx_Paid_Claim _Count | DIABETES pharmacy claims count post 360 days prior from Day 0 |
| DIABETES_6_12Mo_Rx_Paid_Claim_ Count | DIABETES pharmacy claims count in time 180 to 360 days prior to Day 0 |
| GASTRO_0_6Mo_Rx_Paid_Claim_Count | GASTRO pharmacy claims count in the most recent 180 days from Day 0 |

| | T |
|---|---|
| GASTRO_12MoPlus_Rx_Paid_Claim_ Count | GASTRO pharmacy claims count post 360 days prior from Day 0 |
| GASTRO_6_12Mo_Rx_Paid_Claim_Co unt | GASTRO pharmacy claims count in time 180 to 360 days prior to Day 0 |
| GENDER-FEMALE_0_6Mo_Rx_Paid_ Claim_Count | GENDER-FEMALE pharmacy claims count in the most recent 180 days from Day 0 |
| GENDER-FEMALE_12MoPlus_Rx_Paid_Claim_Count | GENDER-FEMALE pharmacy claims count post 360 days prior from Day 0 |
| GENDER-FEMALE_6_12Mo_Rx_Paid_ Claim_Count | GENDER-FEMALE pharmacy claims count in time 180 to 360 days prior to Day 0 |
| GENDER-MALE_0_6Mo_Rx_Paid_Clai m_Count | GENDER-MALE pharmacy claims count in the most recent 180 days from Day 0 |
| GENDER-MALE_12MoPlus_Rx_Paid_ Claim_Count | GENDER-MALE pharmacy claims count post 360 days prior from Day 0 |
| GENDER-MALE_6_12Mo_Rx_Paid_Cl aim_Count | GENDER-MALE pharmacy claims count in time 180 to 360 days prior to Day 0 |
| INF-ANTIBIOTICS_0_6Mo_Rx_Paid_Cl aim_Count | INF-ANTIBIOTICS pharmacy claims count in the most recent 180 days from Day 0 |
| INF-ANTIBIOTICS_12MoPlus_Rx_Paid _Claim_Count | INF-ANTIBIOTICS pharmacy claims count post 360 days prior from Day 0 |
| INF-ANTIBIOTICS_6_12Mo_Rx_Paid_ Claim_Count | INF-ANTIBIOTICS pharmacy claims count in time 180 to 360 days prior to Day 0 |
| LAXATIVE/BLADDER_0_6Mo_Rx_Paid _Claim_Count | LAXATIVE/BLADDER pharmacy claims count in the most recent 180 days from Day 0 |
| LAXATIVE/BLADDER_12MoPlus_Rx_ Paid_Claim_Count | LAXATIVE/BLADDER pharmacy claims count post 360 days prior from Day 0 |

| LAXATIVE/BLADDER_6_12Mo_Rx_Paid_Claim_Count | LAXATIVE/BLADDER pharmacy claims count in time 180 to 360 days prior to Day 0 |
|--|---|
| NEURO_0_6Mo_Rx_Paid_Claim_Coun t | NEURO pharmacy claims count in the most recent 180 days from Day 0 |
| NEURO_12MoPlus_Rx_Paid_Claim_C ount | NEURO pharmacy claims count post 360 days prior from Day 0 |
| NEURO_6_12Mo_Rx_Paid_Claim_Count | NEURO pharmacy claims count in time 180 to 360 days prior to Day 0 |
| NUISANCE-SLEEP_0_6Mo_Rx_Paid_ Claim_Count | NUISANCE-SLEEP pharmacy claims count in the most recent 180 days from Day 0 |
| NUISANCE-SLEEP_12MoPlus_Rx_Paid_Claim_Count | NUISANCE-SLEEP pharmacy claims count post 360 days prior from Day 0 |
| NUISANCE-SLEEP_6_12Mo_Rx_Paid _Claim_Count | NUISANCE-SLEEP pharmacy claims count in time 180 to 360 days prior to Day 0 |
| NUISANCE-STIMULANTS_0_6Mo_Rx _Paid_Claim_Count | NUISANCE-STIMULANTS pharmacy claims count in the most recent 180 days from Day 0 |
| NUISANCE-STIMULANTS_12MoPlus_ Rx_Paid_Claim_Count | NUISANCE-STIMULANTS pharmacy claims count post 360 days prior from Day 0 |
| NUISANCE-STIMULANTS_6_12Mo_R x_Paid_Claim_Count | NUISANCE-STIMULANTS pharmacy claims count in time 180 to 360 days prior to Day 0 |
| OTH-BLOOD/PLATELET THINNER_0_6Mo_Rx_Paid_Claim_Co unt | OTH-BLOOD/PLATELET THINNER pharmacy claims count in the most recent 180 days from Day 0 |
| OTH-BLOOD/PLATELET THINNER_12MoPlus_Rx_Paid_Claim_ Count | OTH-BLOOD/PLATELET THINNER pharmacy claims count post 360 days prior from Day 0 |

| OTH-BLOOD/PLATELET THINNER_6_12Mo_Rx_Paid_Claim_C ount | OTH-BLOOD/PLATELET THINNER pharmacy claims count in time 180 to 360 days prior to Day 0 |
|--|---|
| OTH-GROWTH HORMONE_0_6Mo_Rx_Paid_Claim_C ount | OTH-GROWTH HORMONE pharmacy claims count in the most recent 180 days from Day 0 |
| OTH-GROWTH HORMONE_12MoPlus_Rx_Paid_Claim _Count | OTH-GROWTH HORMONE pharmacy claims count post 360 days prior from Day 0 |
| OTH-GROWTH HORMONE_6_12Mo_Rx_Paid_Claim_ Count | OTH-GROWTH HORMONE pharmacy claims count in time 180 to 360 days prior to Day 0 |
| OTH-HIV_0_6Mo_Rx_Paid_Claim_Count | OTH-HIV pharmacy claims count in the most recent 180 days from Day 0 |
| OTH-HIV_12MoPlus_Rx_Paid_Claim_ Count | OTH-HIV pharmacy claims count post 360 days prior from Day 0 |
| OTH-HIV_6_12Mo_Rx_Paid_Claim_Count | OTH-HIV pharmacy claims count in time 180 to 360 days prior to Day 0 |
| OTH-IMMUNOSUPPRESSIVE AGENTS_0_6Mo_Rx_Paid_Claim_Cou nt | OTH-IMMUNOSUPPRESSIVE AGENTS pharmacy claims count in the most recent 180 days from Day 0 |
| OTH-IMMUNOSUPPRESSIVE AGENTS_12MoPlus_Rx_Paid_Claim_ Count | OTH-IMMUNOSUPPRESSIVE AGENTS pharmacy claims count post 360 days prior from Day 0 |
| OTH-IMMUNOSUPPRESSIVE AGENTS_6_12Mo_Rx_Paid_Claim_Co unt | OTH-IMMUNOSUPPRESSIVE AGENTS pharmacy claims count in time 180 to 360 days prior to Day 0 |
| OTH-OSTEOPOROSIS_0_6Mo_Rx_Pa id_Claim_Count | OTH-OSTEOPOROSIS pharmacy claims count in the most recent 180 days from Day 0 |

| OTH-OSTEOPOROSIS_12MoPlus_Rx _Paid_Claim_Count | OTH-OSTEOPOROSIS pharmacy claims count post 360 days prior from Day 0 |
|---|--|
| OTH-OSTEOPOROSIS_6_12Mo_Rx_P aid_Claim_Count | OTH-OSTEOPOROSIS pharmacy claims count in time 180 to 360 days prior to Day 0 |
| OTH-STEROIDS_0_6Mo_Rx_Paid_Cla im_Count | OTH-STEROIDS pharmacy claims count in the most recent 180 days from Day 0 |
| OTH-STEROIDS_12MoPlus_Rx_Paid_ Claim_Count | OTH-STEROIDS pharmacy claims count post 360 days prior from Day 0 |
| OTH-STEROIDS_6_12Mo_Rx_Paid_Cl aim_Count | OTH-STEROIDS pharmacy claims count in time 180 to 360 days prior to Day 0 |
| OTH-THYROID_0_6Mo_Rx_Paid_Claim_Count | OTH-THYROID pharmacy claims count in the most recent 180 days from Day 0 |
| OTH-THYROID_12MoPlus_Rx_Paid_C laim_Count | OTH-THYROID pharmacy claims count post 360 days prior from Day 0 |
| OTH-THYROID_6_12Mo_Rx_Paid_Claim_Count | OTH-THYROID pharmacy claims count in time 180 to 360 days prior to Day 0 |
| OTHER_0_6Mo_Rx_Paid_Claim_Coun t | OTHER pharmacy claims count in the most recent 180 days from Day 0 |
| OTHER_12MoPlus_Rx_Paid_Claim_C ount | OTHER pharmacy claims count post 360 days prior from Day 0 |
| OTHER_6_12Mo_Rx_Paid_Claim_Count | OTHER pharmacy claims count in time 180 to 360 days prior to Day 0 |
| OTHER ANTI INFECTIVES_0_6Mo_Rx_Paid_Claim_ Count | OTHER ANTI INFECTIVES pharmacy claims count in the most recent 180 days from Day 0 |
| OTHER ANTI INFECTIVES_12MoPlus_Rx_Paid_Clai m_Count | OTHER ANTI INFECTIVES pharmacy claims count post 360 days prior from Day 0 |

| OTHER ANTI INFECTIVES_6_12Mo_Rx_Paid_Claim _Count | OTHER ANTI INFECTIVES pharmacy claims count in time 180 to 360 days prior to Day 0 |
|---|--|
| PAIN_0_6Mo_Rx_Paid_Claim_Count | PAIN pharmacy claims count in the most recent 180 days from Day 0 |
| PAIN_12MoPlus_Rx_Paid_Claim_Coun t | PAIN pharmacy claims count post 360 days prior from Day 0 |
| PAIN_6_12Mo_Rx_Paid_Claim_Count | PAIN pharmacy claims count in time 180 to 360 days prior to Day 0 |
| PSYCH_0_6Mo_Rx_Paid_Claim_Count | PSYCH pharmacy claims count in the most recent 180 days from Day 0 |
| PSYCH_12MoPlus_Rx_Paid_Claim_Count | PSYCH pharmacy claims count post 360 days prior from Day 0 |
| PSYCH_6_12Mo_Rx_Paid_Claim_Count | PSYCH pharmacy claims count in time 180 to 360 days prior to Day 0 |
| PSYCH-ANX_0_6Mo_Rx_Paid_Claim_ Count | PSYCH-ANX pharmacy claims count in the most recent 180 days from Day 0 |
| PSYCH-ANX_12MoPlus_Rx_Paid_Claim_Count | PSYCH-ANX pharmacy claims count post 360 days prior from Day 0 |
| PSYCH-ANX_6_12Mo_Rx_Paid_Claim _Count | PSYCH-ANX pharmacy claims count in time 180 to 360 days prior to Day 0 |
| PSYCH-DEP_0_6Mo_Rx_Paid_Claim_ Count | PSYCH-DEP pharmacy claims count in the most recent 180 days from Day 0 |
| PSYCH-DEP_12MoPlus_Rx_Paid_Claim_Count | PSYCH-DEP pharmacy claims count post 360 days prior from Day 0 |
| PSYCH-DEP_6_12Mo_Rx_Paid_Claim _Count | PSYCH-DEP pharmacy claims count in time 180 to 360 days prior to Day 0 |
| RESPIRATORY_0_6Mo_Rx_Paid_Claim_Count | RESPIRATORY pharmacy claims count in the most recent 180 days from Day 0 |

| RESPIRATORY_12MoPlus_Rx_Paid_ Claim_Count | RESPIRATORY pharmacy claims count post 360 days prior from Day 0 |
|---|---|
| RESPIRATORY_6_12Mo_Rx_Paid_Cla im_Count | RESPIRATORY pharmacy claims count in time 180 to 360 days prior to Day 0 |
| SENSE ORGANS EARS/EYES/MOUTH_0_6Mo_Rx_Paid _Claim_Count | SENSE ORGANS EARS/EYES/MOUTH pharmacy claims count in the most recent 180 days from Day 0 |
| SENSE ORGANS EARS/EYES/MOUTH_12MoPlus_Rx_P aid_Claim_Count | SENSE ORGANS EARS/EYES/MOUTH pharmacy claims count post 360 days prior from Day 0 |
| SENSE ORGANS EARS/EYES/MOUTH_6_12Mo_Rx_Pai d_Claim_Count | SENSE ORGANS EARS/EYES/MOUTH pharmacy claims count in time 180 to 360 days prior to Day 0 |
| SUPPLIES/SUPPLEMENTS/TESTS_0 _6Mo_Rx_Paid_Claim_Count | SUPPLIES/SUPPLEMENTS/TESTS pharmacy claims count in the most recent 180 days from Day 0 |
| SUPPLIES/SUPPLEMENTS/TESTS_1 2MoPlus_Rx_Paid_Claim_Count | SUPPLIES/SUPPLEMENTS/TESTS pharmacy claims count post 360 days prior from Day 0 |
| SUPPLIES/SUPPLEMENTS/TESTS_6 _12Mo_Rx_Paid_Claim_Count | SUPPLIES/SUPPLEMENTS/TESTS pharmacy claims count in time 180 to 360 days prior to Day 0 |
| CANCER_0_6Mo_Rx_Paid_Claim_Cos t | CANCER pharmacy claims total cost in the most recent 180 days from Day 0 |
| CANCER_12MoPlus_Rx_Paid_Claim_ Cost | CANCER pharmacy claims total cost post 360 days prior from Day 0 |
| CANCER_6_12Mo_Rx_Paid_Claim_Co st | CANCER pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| CARDIO_0_6Mo_Rx_Paid_Claim_Cost | CARDIO pharmacy claims total cost in the most recent 180 days from Day 0 |

| CARDIO_12MoPlus_Rx_Paid_Claim_C ost | CARDIO pharmacy claims total cost post 360 days prior from Day 0 |
|--|---|
| CARDIO_6_12Mo_Rx_Paid_Claim_Co st | CARDIO pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| DERM_0_6Mo_Rx_Paid_Claim_Cost | DERM pharmacy claims total cost in the most recent 180 days from Day 0 |
| DERM_12MoPlus_Rx_Paid_Claim_Cos t | DERM pharmacy claims total cost post 360 days prior from Day 0 |
| DERM_6_12Mo_Rx_Paid_Claim_Cost | DERM pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| DIABETES_0_6Mo_Rx_Paid_Claim_C ost | DIABETES pharmacy claims total cost in the most recent 180 days from Day 0 |
| DIABETES_12MoPlus_Rx_Paid_Claim _Cost | DIABETES pharmacy claims total cost post 360 days prior from Day 0 |
| DIABETES_6_12Mo_Rx_Paid_Claim_ Cost | DIABETES pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| GASTRO_0_6Mo_Rx_Paid_Claim_Cos t | GASTRO pharmacy claims total cost in the most recent 180 days from Day 0 |
| GASTRO_12MoPlus_Rx_Paid_Claim_ Cost | GASTRO pharmacy claims total cost post 360 days prior from Day 0 |
| GASTRO_6_12Mo_Rx_Paid_Claim_Co st | GASTRO pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| GENDER-FEMALE_0_6Mo_Rx_Paid_ Claim_Cost | GENDER-FEMALE pharmacy claims total cost in the most recent 180 days from Day 0 |
| GENDER-FEMALE_12MoPlus_Rx_Paid_Claim_Cost | GENDER-FEMALE pharmacy claims total cost post 360 days prior from Day 0 |

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| GENDER-FEMALE_6_12Mo_Rx_Paid_ Claim_Cost | GENDER-FEMALE pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| GENDER-MALE_0_6Mo_Rx_Paid_Clai m_Cost | GENDER-MALE pharmacy claims total cost in the most recent 180 days from Day 0 |
| GENDER-MALE_12MoPlus_Rx_Paid_ Claim_Cost | GENDER-MALE pharmacy claims total cost post 360 days prior from Day 0 |
| GENDER-MALE_6_12Mo_Rx_Paid_Cl aim_Cost | GENDER-MALE pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| INF-ANTIBIOTICS_0_6Mo_Rx_Paid_Cl aim_Cost | INF-ANTIBIOTICS pharmacy claims total cost in the most recent 180 days from Day 0 |
| INF-ANTIBIOTICS_12MoPlus_Rx_Paid _Claim_Cost | INF-ANTIBIOTICS pharmacy claims total cost post 360 days prior from Day 0 |
| INF-ANTIBIOTICS_6_12Mo_Rx_Paid_ Claim_Cost | INF-ANTIBIOTICS pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| LAXATIVE/BLADDER_0_6Mo_Rx_Paid _Claim_Cost | LAXATIVE/BLADDER pharmacy claims total cost in the most recent 180 days from Day 0 |
| LAXATIVE/BLADDER_12MoPlus_Rx_ Paid_Claim_Cost | LAXATIVE/BLADDER pharmacy claims total cost post 360 days prior from Day 0 |
| LAXATIVE/BLADDER_6_12Mo_Rx_Pai d_Claim_Cost | LAXATIVE/BLADDER pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| NEURO_0_6Mo_Rx_Paid_Claim_Cost | NEURO pharmacy claims total cost in the most recent 180 days from Day 0 |
| NEURO_12MoPlus_Rx_Paid_Claim_C ost | NEURO pharmacy claims total cost post 360 days prior from Day 0 |
| NEURO_6_12Mo_Rx_Paid_Claim_Cos t | NEURO pharmacy claims total cost in time 180 to 360 days prior to Day 0 |

| NUISANCE-SLEEP_0_6Mo_Rx_Paid_ Claim_Cost | NUISANCE-SLEEP pharmacy claims total cost in the most recent 180 days from Day 0 |
|---|--|
| NUISANCE-SLEEP_12MoPlus_Rx_Pai d_Claim_Cost | NUISANCE-SLEEP pharmacy claims total cost post 360 days prior from Day 0 |
| NUISANCE-SLEEP_6_12Mo_Rx_Paid _Claim_Cost | NUISANCE-SLEEP pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| NUISANCE-STIMULANTS_0_6Mo_Rx _Paid_Claim_Cost | NUISANCE-STIMULANTS pharmacy claims total cost in the most recent 180 days from Day 0 |
| NUISANCE-STIMULANTS_12MoPlus_ Rx_Paid_Claim_Cost | NUISANCE-STIMULANTS pharmacy claims total cost post 360 days prior from Day 0 |
| NUISANCE-STIMULANTS_6_12Mo_R x_Paid_Claim_Cost | NUISANCE-STIMULANTS pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| OTH-BLOOD/PLATELET THINNER_0_6Mo_Rx_Paid_Claim_Co st | OTH-BLOOD/PLATELET THINNER pharmacy claims total cost in the most recent 180 days from Day 0 |
| OTH-BLOOD/PLATELET THINNER_12MoPlus_Rx_Paid_Claim_ Cost | OTH-BLOOD/PLATELET THINNER pharmacy claims total cost post 360 days prior from Day 0 |
| OTH-BLOOD/PLATELET THINNER_6_12Mo_Rx_Paid_Claim_C ost | OTH-BLOOD/PLATELET THINNER pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| OTH-GROWTH HORMONE_0_6Mo_Rx_Paid_Claim_C ost | OTH-GROWTH HORMONE pharmacy claims total cost in the most recent 180 days from Day 0 |
| OTH-GROWTH HORMONE_12MoPlus_Rx_Paid_Claim _Cost | OTH-GROWTH HORMONE pharmacy claims total cost post 360 days prior from Day 0 |
| OTH-GROWTH HORMONE_6_12Mo_Rx_Paid_Claim_ Cost | OTH-GROWTH HORMONE pharmacy claims total cost in time 180 to 360 days prior to Day 0 |

| OTH-HIV_0_6Mo_Rx_Paid_Claim_Cos t | OTH-HIV pharmacy claims total cost in the most recent 180 days from Day 0 |
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| OTH-HIV_12MoPlus_Rx_Paid_Claim_ Cost | OTH-HIV pharmacy claims total cost post 360 days prior from Day 0 |
| OTH-HIV_6_12Mo_Rx_Paid_Claim_Co st | OTH-HIV pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| OTH-IMMUNOSUPPRESSIVE AGENTS_0_6Mo_Rx_Paid_Claim_Cos t | OTH-IMMUNOSUPPRESSIVE AGENTS pharmacy claims total cost in the most recent 180 days from Day 0 |
| OTH-IMMUNOSUPPRESSIVE AGENTS_12MoPlus_Rx_Paid_Claim_ Cost | OTH-IMMUNOSUPPRESSIVE AGENTS pharmacy claims total cost post 360 days prior from Day 0 |
| OTH-IMMUNOSUPPRESSIVE AGENTS_6_12Mo_Rx_Paid_Claim_Co st | OTH-IMMUNOSUPPRESSIVE AGENTS pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| OTH-OSTEOPOROSIS_0_6Mo_Rx_Pa id_Claim_Cost | OTH-OSTEOPOROSIS pharmacy claims total cost in the most recent 180 days from Day 0 |
| OTH-OSTEOPOROSIS_12MoPlus_Rx _Paid_Claim_Cost | OTH-OSTEOPOROSIS pharmacy claims total cost post 360 days prior from Day 0 |
| OTH-OSTEOPOROSIS_6_12Mo_Rx_P aid_Claim_Cost | OTH-OSTEOPOROSIS pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| OTH-STEROIDS_0_6Mo_Rx_Paid_Cla im_Cost | OTH-STEROIDS pharmacy claims total cost in the most recent 180 days from Day 0 |
| OTH-STEROIDS_12MoPlus_Rx_Paid_ Claim_Cost | OTH-STEROIDS pharmacy claims total cost post 360 days prior from Day 0 |
| OTH-STEROIDS_6_12Mo_Rx_Paid_Cl aim_Cost | OTH-STEROIDS pharmacy claims total cost in time 180 to 360 days prior to Day 0 |

| OTH-THYROID_0_6Mo_Rx_Paid_Clai m_Cost | OTH-THYROID pharmacy claims total cost in the most recent 180 days from Day 0 |
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| OTH-THYROID_12MoPlus_Rx_Paid_C laim_Cost | OTH-THYROID pharmacy claims total cost post 360 days prior from Day 0 |
| OTH-THYROID_6_12Mo_Rx_Paid_Claim_Cost | OTH-THYROID pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| OTHER_0_6Mo_Rx_Paid_Claim_Cost | OTHER pharmacy claims total cost in the most recent 180 days from Day 0 |
| OTHER_12MoPlus_Rx_Paid_Claim_C ost | OTHER pharmacy claims total cost post 360 days prior from Day 0 |
| OTHER_6_12Mo_Rx_Paid_Claim_Cost | OTHER pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| OTHER ANTI INFECTIVES_0_6Mo_Rx_Paid_Claim_ Cost | OTHER ANTI INFECTIVES pharmacy claims total cost in the most recent 180 days from Day 0 |
| OTHER ANTI INFECTIVES_12MoPlus_Rx_Paid_Clai m_Cost | OTHER ANTI INFECTIVES pharmacy claims total cost post 360 days prior from Day 0 |
| OTHER ANTI INFECTIVES_6_12Mo_Rx_Paid_Claim _Cost | OTHER ANTI INFECTIVES pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| PAIN_0_6Mo_Rx_Paid_Claim_Cost | PAIN pharmacy claims total cost in the most recent 180 days from Day 0 |
| PAIN_12MoPlus_Rx_Paid_Claim_Cost | PAIN pharmacy claims total cost post 360 days prior from Day 0 |
| PAIN_6_12Mo_Rx_Paid_Claim_Cost | PAIN pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| PSYCH_0_6Mo_Rx_Paid_Claim_Cost | PSYCH pharmacy claims total cost in the most recent 180 days from Day 0 |

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| PSYCH_12MoPlus_Rx_Paid_Claim_Co st | PSYCH pharmacy claims total cost post 360 days prior from Day 0 |
| PSYCH_6_12Mo_Rx_Paid_Claim_Cost | PSYCH pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| PSYCH-ANX_0_6Mo_Rx_Paid_Claim_ Cost | PSYCH-ANX pharmacy claims total cost in the most recent 180 days from Day 0 |
| PSYCH-ANX_12MoPlus_Rx_Paid_Clai m_Cost | PSYCH-ANX pharmacy claims total cost post 360 days prior from Day 0 |
| PSYCH-ANX_6_12Mo_Rx_Paid_Claim _Cost | PSYCH-ANX pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| PSYCH-DEP_0_6Mo_Rx_Paid_Claim_ Cost | PSYCH-DEP pharmacy claims total cost in the most recent 180 days from Day 0 |
| PSYCH-DEP_12MoPlus_Rx_Paid_Clai m_Cost | PSYCH-DEP pharmacy claims total cost post 360 days prior from Day 0 |
| PSYCH-DEP_6_12Mo_Rx_Paid_Claim _Cost | PSYCH-DEP pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| RESPIRATORY_0_6Mo_Rx_Paid_Claim_Cost | RESPIRATORY pharmacy claims total cost in the most recent 180 days from Day 0 |
| RESPIRATORY_12MoPlus_Rx_Paid_ Claim_Cost | RESPIRATORY pharmacy claims total cost post 360 days prior from Day 0 |
| RESPIRATORY_6_12Mo_Rx_Paid_Cla im_Cost | RESPIRATORY pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| SENSE ORGANS EARS/EYES/MOUTH_0_6Mo_Rx_Paid _Claim_Cost | SENSE ORGANS EARS/EYES/MOUTH pharmacy claims total cost in the most recent 180 days from Day 0 |
| SENSE ORGANS EARS/EYES/MOUTH_12MoPlus_Rx_P aid_Claim_Cost | SENSE ORGANS EARS/EYES/MOUTH pharmacy claims total cost post 360 days prior from Day 0 |

| SENSE ORGANS EARS/EYES/MOUTH_6_12Mo_Rx_Pai d_Claim_Cost | SENSE ORGANS EARS/EYES/MOUTH pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
|--|--|
| SUPPLIES/SUPPLEMENTS/TESTS_0 _6Mo_Rx_Paid_Claim_Cost | SUPPLIES/SUPPLEMENTS/TESTS pharmacy claims total cost in the most recent 180 days from Day 0 |
| SUPPLIES/SUPPLEMENTS/TESTS_1 2MoPlus_Rx_Paid_Claim_Cost | SUPPLIES/SUPPLEMENTS/TESTS pharmacy claims total cost post 360 days prior from Day 0 |
| SUPPLIES/SUPPLEMENTS/TESTS_6 _12Mo_Rx_Paid_Claim_Cost | SUPPLIES/SUPPLEMENTS/TESTS pharmacy claims total cost in time 180 to 360 days prior to Day 0 |
| CANCER_0_6Mo_Rx_Paid_Claim_Me mPaid | CANCER pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| CANCER_12MoPlus_Rx_Paid_Claim_ MemPaid | CANCER pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| CANCER_6_12Mo_Rx_Paid_Claim_M emPaid | CANCER pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| CARDIO_0_6Mo_Rx_Paid_Claim_Mem Paid | CARDIO pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| CARDIO_12MoPlus_Rx_Paid_Claim_M emPaid | CARDIO pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| CARDIO_6_12Mo_Rx_Paid_Claim_Me mPaid | CARDIO pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| DERM_0_6Mo_Rx_Paid_Claim_MemP aid | DERM pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| DERM_12MoPlus_Rx_Paid_Claim_Me mPaid | DERM pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| DERM_6_12Mo_Rx_Paid_Claim_Mem Paid | DERM pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |

| DIABETES_0_6Mo_Rx_Paid_Claim_M emPaid | DIABETES pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
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| DIABETES_12MoPlus_Rx_Paid_Claim _MemPaid | DIABETES pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| DIABETES_6_12Mo_Rx_Paid_Claim_ MemPaid | DIABETES pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| GASTRO_0_6Mo_Rx_Paid_Claim_Me mPaid | GASTRO pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| GASTRO_12MoPlus_Rx_Paid_Claim_ MemPaid | GASTRO pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| GASTRO_6_12Mo_Rx_Paid_Claim_M emPaid | GASTRO pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| GENDER-FEMALE_0_6Mo_Rx_Paid_ Claim_MemPaid | GENDER-FEMALE pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| GENDER-FEMALE_12MoPlus_Rx_Paid_Claim_MemPaid | GENDER-FEMALE pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| GENDER-FEMALE_6_12Mo_Rx_Paid_ Claim_MemPaid | GENDER-FEMALE pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| GENDER-MALE_0_6Mo_Rx_Paid_Clai m_MemPaid | GENDER-MALE pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| GENDER-MALE_12MoPlus_Rx_Paid_ Claim_MemPaid | GENDER-MALE pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| GENDER-MALE_6_12Mo_Rx_Paid_Cl aim_MemPaid | GENDER-MALE pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| INF-ANTIBIOTICS_0_6Mo_Rx_Paid_Cl aim_MemPaid | INF-ANTIBIOTICS pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |

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| INF-ANTIBIOTICS_12MoPlus_Rx_Paid _Claim_MemPaid | INF-ANTIBIOTICS pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| INF-ANTIBIOTICS_6_12Mo_Rx_Paid_ Claim_MemPaid | INF-ANTIBIOTICS pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| LAXATIVE/BLADDER_0_6Mo_Rx_Paid _Claim_MemPaid | LAXATIVE/BLADDER pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| LAXATIVE/BLADDER_12MoPlus_Rx_ Paid_Claim_MemPaid | LAXATIVE/BLADDER pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| LAXATIVE/BLADDER_6_12Mo_Rx_Paid_Claim_MemPaid | LAXATIVE/BLADDER pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| NEURO_0_6Mo_Rx_Paid_Claim_Mem Paid | NEURO pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| NEURO_12MoPlus_Rx_Paid_Claim_M emPaid | NEURO pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| NEURO_6_12Mo_Rx_Paid_Claim_Me mPaid | NEURO pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| NUISANCE-SLEEP_0_6Mo_Rx_Paid_ Claim_MemPaid | NUISANCE-SLEEP pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| NUISANCE-SLEEP_12MoPlus_Rx_Paid_Claim_MemPaid | NUISANCE-SLEEP pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| NUISANCE-SLEEP_6_12Mo_Rx_Paid _Claim_MemPaid | NUISANCE-SLEEP pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| NUISANCE-STIMULANTS_0_6Mo_Rx _Paid_Claim_MemPaid | NUISANCE-STIMULANTS pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| NUISANCE-STIMULANTS_12MoPlus_ Rx_Paid_Claim_MemPaid | NUISANCE-STIMULANTS pharmacy claims total member responsible amount post 360 days prior from Day 0 |

| NUISANCE-STIMULANTS_6_12Mo_R x_Paid_Claim_MemPaid | NUISANCE-STIMULANTS pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
|---|---|
| OTH-BLOOD/PLATELET THINNER_0_6Mo_Rx_Paid_Claim_Me mPaid | OTH-BLOOD/PLATELET THINNER pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| OTH-BLOOD/PLATELET THINNER_12MoPlus_Rx_Paid_Claim_ MemPaid | OTH-BLOOD/PLATELET THINNER pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| OTH-BLOOD/PLATELET THINNER_6_12Mo_Rx_Paid_Claim_M emPaid | OTH-BLOOD/PLATELET THINNER pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| OTH-GROWTH HORMONE_0_6Mo_Rx_Paid_Claim_M emPaid | OTH-GROWTH HORMONE pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| OTH-GROWTH HORMONE_12MoPlus_Rx_Paid_Claim _MemPaid | OTH-GROWTH HORMONE pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| OTH-GROWTH HORMONE_6_12Mo_Rx_Paid_Claim_ MemPaid | OTH-GROWTH HORMONE pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| OTH-HIV_0_6Mo_Rx_Paid_Claim_Me mPaid | OTH-HIV pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| OTH-HIV_12MoPlus_Rx_Paid_Claim_ MemPaid | OTH-HIV pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| OTH-HIV_6_12Mo_Rx_Paid_Claim_Me mPaid | OTH-HIV pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| OTH-IMMUNOSUPPRESSIVE AGENTS_0_6Mo_Rx_Paid_Claim_Me mPaid | OTH-IMMUNOSUPPRESSIVE AGENTS pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |

| OTH-IMMUNOSUPPRESSIVE AGENTS_12MoPlus_Rx_Paid_Claim_ MemPaid | OTH-IMMUNOSUPPRESSIVE AGENTS pharmacy claims total member responsible amount post 360 days prior from Day 0 |
|--|---|
| OTH-IMMUNOSUPPRESSIVE AGENTS_6_12Mo_Rx_Paid_Claim_Me mPaid | OTH-IMMUNOSUPPRESSIVE AGENTS pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| OTH-OSTEOPOROSIS_0_6Mo_Rx_Pa id_Claim_MemPaid | OTH-OSTEOPOROSIS pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| OTH-OSTEOPOROSIS_12MoPlus_Rx _Paid_Claim_MemPaid | OTH-OSTEOPOROSIS pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| OTH-OSTEOPOROSIS_6_12Mo_Rx_P aid_Claim_MemPaid | OTH-OSTEOPOROSIS pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| OTH-STEROIDS_0_6Mo_Rx_Paid_Cla im_MemPaid | OTH-STEROIDS pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| OTH-STEROIDS_12MoPlus_Rx_Paid_ Claim_MemPaid | OTH-STEROIDS pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| OTH-STEROIDS_6_12Mo_Rx_Paid_Cl aim_MemPaid | OTH-STEROIDS pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| OTH-THYROID_0_6Mo_Rx_Paid_Clai m_MemPaid | OTH-THYROID pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| OTH-THYROID_12MoPlus_Rx_Paid_C laim_MemPaid | OTH-THYROID pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| OTH-THYROID_6_12Mo_Rx_Paid_Claim_MemPaid | OTH-THYROID pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| OTHER_0_6Mo_Rx_Paid_Claim_Mem Paid | OTHER pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| OTHER_12MoPlus_Rx_Paid_Claim_M emPaid | OTHER pharmacy claims total member responsible amount post 360 days prior from Day 0 |

| OTHER_6_12Mo_Rx_Paid_Claim_Me mPaid | OTHER pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
|---|--|
| OTHER ANTI INFECTIVES_0_6Mo_Rx_Paid_Claim_ MemPaid | OTHER ANTI INFECTIVES pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| OTHER ANTI INFECTIVES_12MoPlus_Rx_Paid_Clai m_MemPaid | OTHER ANTI INFECTIVES pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| OTHER ANTI INFECTIVES_6_12Mo_Rx_Paid_Claim _MemPaid | OTHER ANTI INFECTIVES pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| PAIN_0_6Mo_Rx_Paid_Claim_MemPaid | PAIN pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| PAIN_12MoPlus_Rx_Paid_Claim_Mem Paid | PAIN pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| PAIN_6_12Mo_Rx_Paid_Claim_MemP aid | PAIN pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| PSYCH_0_6Mo_Rx_Paid_Claim_Mem Paid | PSYCH pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| PSYCH_12MoPlus_Rx_Paid_Claim_M emPaid | PSYCH pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| PSYCH_6_12Mo_Rx_Paid_Claim_Me mPaid | PSYCH pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| PSYCH-ANX_0_6Mo_Rx_Paid_Claim_ MemPaid | PSYCH-ANX pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| PSYCH-ANX_12MoPlus_Rx_Paid_Clai m_MemPaid | PSYCH-ANX pharmacy claims total member responsible amount post 360 days prior from Day 0 |

| PSYCH-ANX_6_12Mo_Rx_Paid_Claim _MemPaid | PSYCH-ANX pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
|---|---|
| PSYCH-DEP_0_6Mo_Rx_Paid_Claim_ MemPaid | PSYCH-DEP pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| PSYCH-DEP_12MoPlus_Rx_Paid_Claim_MemPaid | PSYCH-DEP pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| PSYCH-DEP_6_12Mo_Rx_Paid_Claim _MemPaid | PSYCH-DEP pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| RESPIRATORY_0_6Mo_Rx_Paid_Claim_MemPaid | RESPIRATORY pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| RESPIRATORY_12MoPlus_Rx_Paid_ Claim_MemPaid | RESPIRATORY pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| RESPIRATORY_6_12Mo_Rx_Paid_Cla im_MemPaid | RESPIRATORY pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| SENSE ORGANS EARS/EYES/MOUTH_0_6Mo_Rx_Paid _Claim_MemPaid | SENSE ORGANS EARS/EYES/MOUTH pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| SENSE ORGANS EARS/EYES/MOUTH_12MoPlus_Rx_P aid_Claim_MemPaid | SENSE ORGANS EARS/EYES/MOUTH pharmacy claims total member responsible amount post 360 days prior from Day 0 |
| SENSE ORGANS EARS/EYES/MOUTH_6_12Mo_Rx_Pai d_Claim_MemPaid | SENSE ORGANS EARS/EYES/MOUTH pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
| SUPPLIES/SUPPLEMENTS/TESTS_0 _6Mo_Rx_Paid_Claim_MemPaid | SUPPLIES/SUPPLEMENTS/TESTS pharmacy claims total member responsible amount in the most recent 180 days from Day 0 |
| SUPPLIES/SUPPLEMENTS/TESTS_1 2MoPlus_Rx_Paid_Claim_MemPaid | SUPPLIES/SUPPLEMENTS/TESTS pharmacy claims total member responsible amount post 360 days prior from Day 0 |

| SUPPLIES/SUPPLEMENTS/TESTS_6 _12Mo_Rx_Paid_Claim_MemPaid | SUPPLIES/SUPPLEMENTS/TESTS pharmacy claims total member responsible amount in time 180 to 360 days prior to Day 0 |
|--|---|
| CANCER_Rx_Paid_Claim_Recency | CANCER pharmacy claim recency |
| CARDIO_Rx_Paid_Claim_Recency | CARDIO pharmacy claim recency |
| DERM_Rx_Paid_Claim_Recency | DERM pharmacy claim recency |
| DIABETES_Rx_Paid_Claim_Recency | DIABETES pharmacy claim recency |
| GASTRO_Rx_Paid_Claim_Recency | GASTRO pharmacy claim recency |
| GENDER-FEMALE_Rx_Paid_Claim_R ecency | GENDER-FEMALE pharmacy claim recency |
| GENDER-MALE_Rx_Paid_Claim_Rece | GENDER-MALE pharmacy claim recency |
| INF-ANTIBIOTICS_Rx_Paid_Claim_Re cency | INF-ANTIBIOTICS pharmacy claim recency |
| LAXATIVE/BLADDER_Rx_Paid_Claim _Recency | LAXATIVE/BLADDER pharmacy claim recency |
| NEURO_Rx_Paid_Claim_Recency | NEURO pharmacy claim recency |
| NUISANCE-SLEEP_Rx_Paid_Claim_R ecency | NUISANCE-SLEEP pharmacy claim recency |
| NUISANCE-STIMULANTS_Rx_Paid_Cl aim_Recency | NUISANCE-STIMULANTS pharmacy claim recency |
| OTH-BLOOD/PLATELET THINNER_Rx_Paid_Claim_Recency | OTH-BLOOD/PLATELET THINNER pharmacy claim recency |
| OTH-GROWTH HORMONE_Rx_Paid_Claim_Recency | OTH-GROWTH HORMONE pharmacy claim recency |

| OTH-HIV_Rx_Paid_Claim_Recency | OTH-HIV pharmacy claim recency |
|---|---|
| OTH-IMMUNOSUPPRESSIVE AGENTS_Rx_Paid_Claim_Recency | OTH-IMMUNOSUPPRESSIVE AGENTS pharmacy claim recency |
| OTH-OSTEOPOROSIS_Rx_Paid_Clai m_Recency | OTH-OSTEOPOROSIS pharmacy claim recency |
| OTH-STEROIDS_Rx_Paid_Claim_Rec ency | OTH-STEROIDS pharmacy claim recency |
| OTH-THYROID_Rx_Paid_Claim_Rece | OTH-THYROID pharmacy claim recency |
| OTHER_Rx_Paid_Claim_Recency | OTHER pharmacy claim recency |
| OTHER ANTI INFECTIVES_Rx_Paid_Claim_Recenc y | OTHER ANTI INFECTIVES pharmacy claim recency |
| PAIN_Rx_Paid_Claim_Recency | PAIN pharmacy claim recency |
| PSYCH_Rx_Paid_Claim_Recency | PSYCH pharmacy claim recency |
| PSYCH-ANX_Rx_Paid_Claim_Recency | PSYCH-ANX pharmacy claim recency |
| PSYCH-DEP_Rx_Paid_Claim_Recency | PSYCH-DEP pharmacy claim recency |
| RESPIRATORY_Rx_Paid_Claim_Recency | RESPIRATORY pharmacy claim recency |
| SENSE ORGANS EARS/EYES/MOUTH_Rx_Paid_Claim_ Recency | SENSE ORGANS EARS/EYES/MOUTH pharmacy claim recency |
| SUPPLIES/SUPPLEMENTS/TESTS_R x_Paid_Claim_Recency | SUPPLIES/SUPPLEMENTS/TESTS pharmacy claim recency |

| DENY DUE TO ERRORS_0_6Mo_Rx_Rejected_Count | Rejected pharmacy claims count in the most recent 180 days of Day 0 having reason DENY DUE TO ERRORS |
|--|---|
| DENY DUE TO ERRORS_12MoPlus_Rx_Rejected_Co unt | Rejected pharmacy claims count in the time more than 360 days prior to Day 0 having reason DENY DUE TO ERRORS |
| DENY DUE TO ERRORS_6_12Mo_Rx_Rejected_Coun t | Rejected pharmacy claims count in the time 180 to 360 days prior to Day 0 having reason DENY DUE TO ERRORS |
| OTHER_0_6Mo_Rx_Rejected_Count | Rejected pharmacy claims count in the most recent 180 days of Day 0 having reason OTHER |
| OTHER_12MoPlus_Rx_Rejected_Coun t | Rejected pharmacy claims count in the time more than 360 days prior to Day 0 having reason OTHER |
| OTHER_6_12Mo_Rx_Rejected_Count | Rejected pharmacy claims count in the time 180 to 360 days prior to Day 0 having reason OTHER |
| REVERSAL_0_6Mo_Rx_Rejected_Count | Rejected pharmacy claims count in the most recent 180 days of Day 0 having reason REVERSAL |
| REVERSAL_12MoPlus_Rx_Rejected_ Count | Rejected pharmacy claims count in the time more than 360 days prior to Day 0 having reason REVERSAL |
| REVERSAL_6_12Mo_Rx_Rejected_Co unt | Rejected pharmacy claims count in the time 180 to 360 days prior to Day 0 having reason REVERSAL |
| First_Mail_Order_Recency | First mail Order Pharmacy Claim recency |
| 0_6Mo_surgery_Count | Count of surgeries in the most recent 180 days of day 0 |
| 12MoPlus_surgery_Count | Count of surgeries in the time more than 360 days prior to Day 0 |
| 6_12Mo_surgery_Count | Count of surgeries in the time 180 to 360 days of Day 0 |
| 0_6Mo_surgery_Cost | Total Cost of surgeries in the most recent 180 days of day 0 |

| Total Cost of surgeries in the time more than 360 days prior to Day 0 |
|--|
| Total Cost of surgeries in the time 180 to 360 days of Day 0 |
| Total Member Responsible Amount of surgeries in the most recent 180 days of day 0 |
| Total Member Responsible Amount of surgeries in the time more than 360 days prior to Day 0 |
| Total Member Responsible Amount of surgeries in the time 180 to 360 days of Day 0 |
| Recency of surgery |
| CPD New Diagnosis Recency |
| CPD New Diagnosis Total Cost |
| CPD New Diagnosis Total Member Responsible Amount |
| Diabetes New Diagnosis Recency |
| Diabetes New Diagnosis Total Cost |
| Diabetes New Diagnosis Total Member Responsible Amount |
| CHF New Diagnosis Recency |
| CHF New Diagnosis Total Cost |
| CHF New Diagnosis Total Member Responsible Amount |
| CAD New Diagnosis Recency |
| CAD New Diagnosis Total Cost |
| |

| CAD_New_Diagnosis_MemPaid | CAD New Diagnosis Total Member Responsible Amount |
|-------------------------------------|---|
| Hypertension_New_Diagnosis_Recenc y | Hypertension New Diagnosis Recency |
| Hypertension_New_Diagnosis_Cost | Hypertension New Diagnosis Total Cost |
| Hypertension_New_Diagnosis_MemPai | Hypertension New Diagnosis Total Member Responsible Amount |
| 0_6Mo_Inbound_calls_by_Mbr | Total Inbound calls by Member in the most recent 180 days of day 0 |
| 12MoPlus_Inbound_calls_by_Mbr | Total Inbound calls by Member in the time more than 360 days prior to Day 0 |
| 6_12Mo_Inbound_calls_by_Mbr | Total Inbound calls by Member in the time 180 to 360 days of Day 0 |
| 0_6Mo_Inbound_calls_by_Other | Total Inbound calls by Others in the most recent 180 days of day 0 |
| 12MoPlus_Inbound_calls_by_Other | Total Inbound calls by Others in the time more than 360 days prior to Day 0 |
| 6_12Mo_Inbound_calls_by_Other | Total Inbound calls by Others in the time 180 to 360 days of Day 0 |
| 0_6Mo_Inbound_calls_by_Prov | Total Inbound calls by Provider in the most recent 180 days of day 0 |
| 12MoPlus_Inbound_calls_by_Prov | Total Inbound calls by Provider in the time more than 360 days prior to Day 0 |
| 6_12Mo_Inbound_calls_by_Prov | Total Inbound calls by Provider in the time 180 to 360 days of Day 0 |
| 0_6Mo_New_Provider_Count | Total New Provider Count in the most recent 180 days of day 0 |
| 12MoPlus_New_Provider_Count | Total New Provider Count in the time more than 360 days prior to Day 0 |
| 6_12Mo_New_Provider_Count | Total New Provider Count in the time 180 to 360 days of Day 0 |

11. References:

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- 2. https://www.drugabuse.gov/related-topics/trends-statistics
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