

## Recommendations from Claim approval model

- There is no need to keep a lot of information to predict pharmacy claim approval. Just by knowing the drug type and the insurance company name, we were able to predict with high accuracy, true positive rate, F1 score, ROC-AUC and low false positive rate.

## How does the Claim approval model help the stakeholders?

- Pharmacies will be able to file PAs at the same time as they run claims for the insurance company (reducing processing time) and will be able to guess how many PAs they would have to file beforehand.
- Insurance companies will be able to process both the claims and PA at the same time (reducing processing time) and will be able to predict how many PAs they have to process beforehand.
- Doctors will be able to prescribe medications and therapies which require less processing time for urgent patients.

## Recommendations from PA approval model

- Encourage providers to provide information indicating that the patient has an associated contraindication for the medication requested wherever applicable
- Encourage providers to provide information indicating that the patient has tried and failed the relevant generic alternatives wherever applicable
- Understand the formulary for each payer

## How does PA approval model help the company?

- Successfully predicting  $\frac{3}{4}$  of PA approval and  $\frac{5}{6}$  of PA rejection ahead of time
- Prevent patients from waiting on PA decision, only to end up having to switch to another therapy if the PA is rejected
- Increase profitability of ePA system and expand customer base