Group Name: Data Force

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Problem Description: Pharmaceutical companies like ABC Pharmacy want to understand the persistency of a drug based on a doctor's prescription and hire an analytics company to automate the process of identification.

EDA Performed: For this data, we specifically identified how the amount of risks could correspond to the persistency flag. We also made sure to analyze how the demographics of an individual can affect the amount of risks accumulated as well. Finally, we were able to conclude our investigation by analyzing how the speciality of the HCP could affect the persistency of the drug.

Link to the ipynb file for Week 10:
https://github.com/anshimathur0325/Data-Science-Persistency-of-a-Drug-Project/blob/main/Week%2010%20EDA.ipynb

Final Recommendation: For this dataset, it is clear that many variables may have an affect on the persistency of a drug. Therefore, in order to create the most accurate machine learning algorithm, we would have to use models like Logistic Regression and Random Forest Classifier to teach the computer the most effective way of analyzing data to predict the value of a single variable.