Indiana Pregnancy Promise Program
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What is the Indiana Pregnancy Promise Program?
The IPPP is a free, voluntary program for pregnant Medicaid members who use opioids or have used opioids in the past.

Objective and Role
Our goal for this semester as the pilot program of the IPPP is to assist in it’s aim to serve at least 2,000 pregnant individuals and newborns by 2025. Our student team utilizes data analytics for the FSSA Board to make informed decisions.

Why is the IPPP Important?
- Substance Use Disorder (SUD) was the most common cause of maternal deaths in 2018, contributing to over half.
  - The Maternal Mortality Review Committee deemed 87% of reviewed pregnancy related deaths preventable.
- Treatment during pregnancy has a high chance of success.

Resource Management and Distribution

A large chunk of our analysis was directed towards exploring participant diagnoses, encounter statistics and general effectiveness of the services offered by IPPP. This helps the FSSA allocate resources more effectively.

Exploring Selective Effectiveness
Analyzing date-time trends between races in mothers with SUD helped us observe biases in the effectiveness of the Pregnancy Promise Program and steer it towards those demographics which lagged behind.

Methodology and Tech Stack
- Using Azure Virtual Desktop, we did most of our work with
- SQL on Azure Data Studio and
- Tableau for visualizations.
- Got new tasks via Azure DevOps, work on it during lab.
- Uploaded it to the Tableau dashboard for visibility.

Conclusions
In conclusion we:
- Worked on and visualized data collected by the FSSA to help them create more data intelligent decisions in furthering the outreach of their program.

Future Goals
Over the summer and coming semesters, we plan to:
- Complete the Tableau dashboard
- Create and Implement Traditional Machine Learning models to predict growth
- Show our work in the form of solid deliverables

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