CMS Open Payments

Metis Engineering
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Introduction

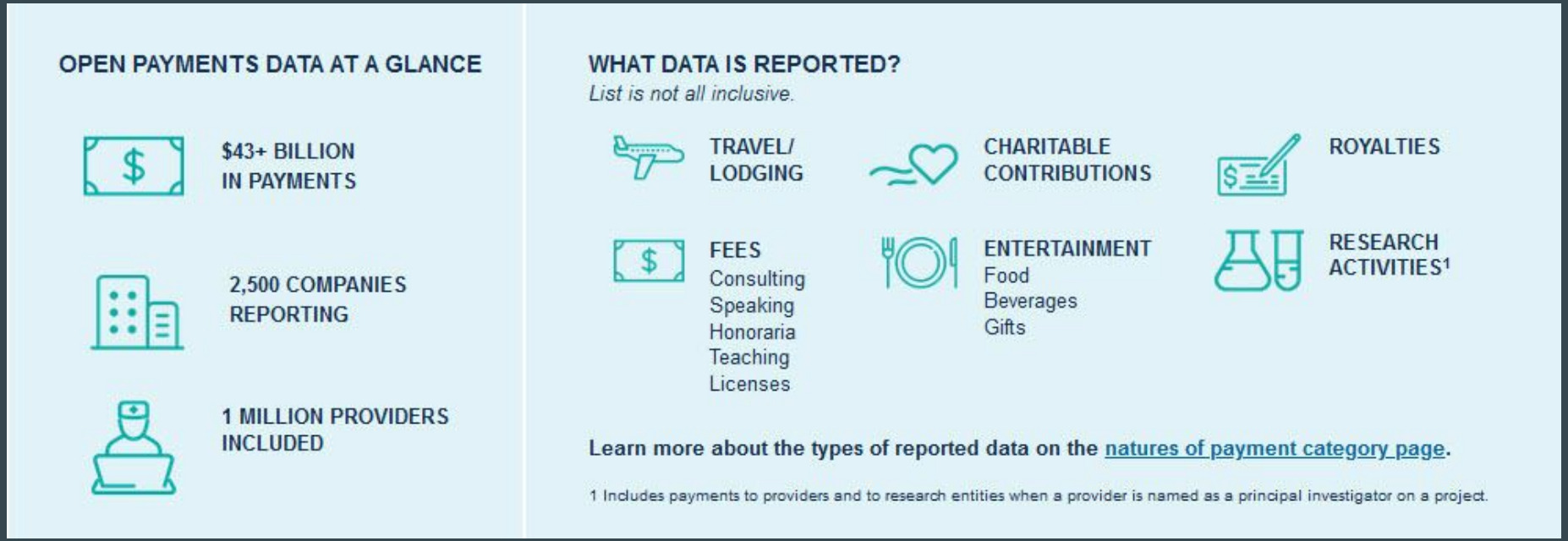
Open payments by CMS:

- Search tool
- Payments Data from 2014 to 2020
- Pharmaceutical and medical device companies (Entity)
- Physicians, teaching and non teaching hospitals (Covered Recipient)

Why:

- More transparent healthcare system
- Track payments

Introduction Contd..



Source: Nevada Academy of PAs

Understanding the problem

Motivation

Tools available do not allow comparison of data between 2 or more years

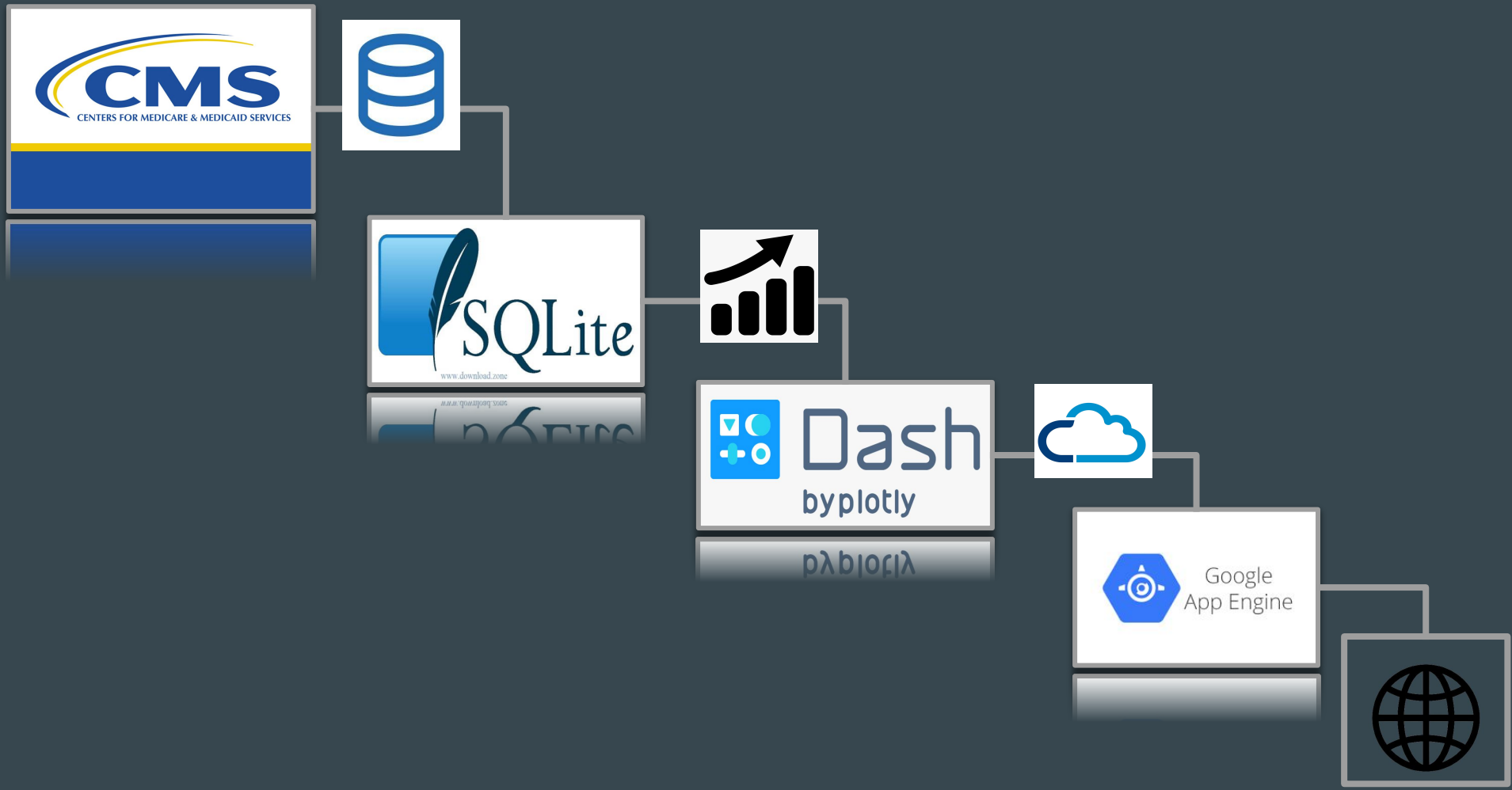
Solution

Build an app that can display selected data side by side

Data

- Scraped from: https://openpaymentsdata.cms.gov/
- Updated yearly once
- 100,000 rows from 2019 and 2020
- 75 columns

The Pipeline


CMS
CENTERS FOR MEDICARE & MEDICAID SERVICES
SQLite
Dash
by plotly
Google
App Engine

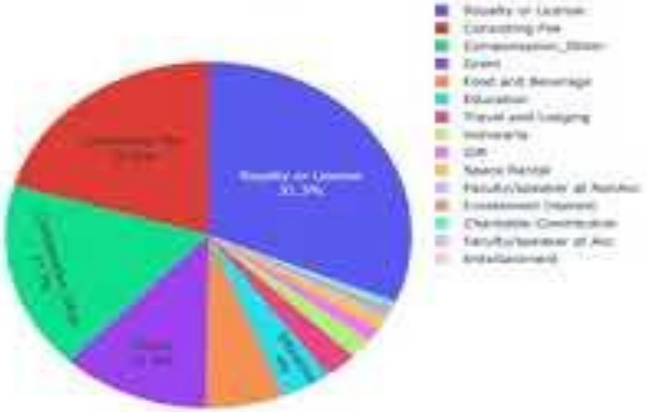
CMS Open Payments APP

Total Amount

9.12 Billion

Specialty Month Drug PaymentType

Total Payments by Nature of Payments in 2020

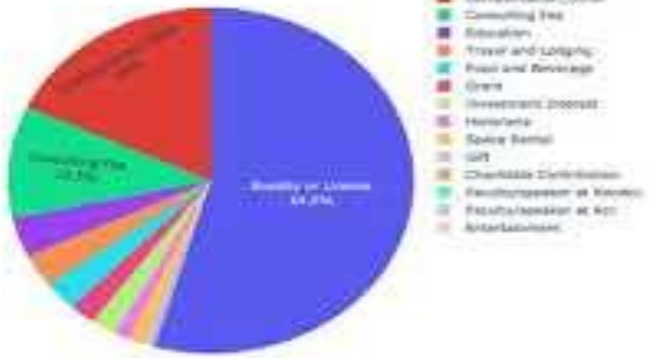


Total Amount

10.86 Billion

Specialty Month Drug PaymentType

Total Payments by Nature of Payments in 2019



Future Work

- Include more features
- Create maps by State
- Merge with Medication usage data
- Add CSS styling

Thank you