

CMS Open Payments

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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..

OPEN PAYMENTS DATA AT A GLANCE



**\$43+ BILLION
IN PAYMENTS**



**2,500 COMPANIES
REPORTING**



**1 MILLION PROVIDERS
INCLUDED**

WHAT DATA IS REPORTED?

List is not all inclusive.



**TRAVEL/
LODGING**



**CHARITABLE
CONTRIBUTIONS**



ROYALTIES



FEES
Consulting
Speaking
Honoraria
Teaching
Licenses



ENTERTAINMENT
Food
Beverages
Gifts



**RESEARCH
ACTIVITIES¹**

Learn more about the types of reported data on the [natures of payment category page](#).

¹ Includes payments to providers and to research entities when a provider is named as a principal investigator on a project.

Source: [Nevada Academy of PAs](#)

Understanding the problem

Motivation

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

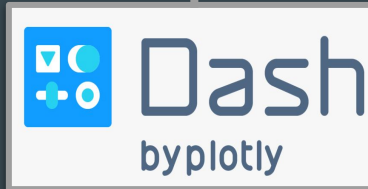
Solution

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



Google
App Engine



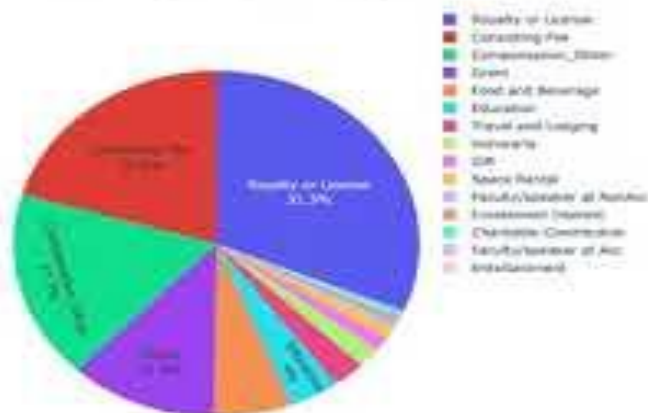
CMS Open Payments APP

Total Amount

9.12 Billion

☐ Specialty ☐ Month ☐ Drug ☒ Payment Type

Total Payments by Nature of Payments in 2020

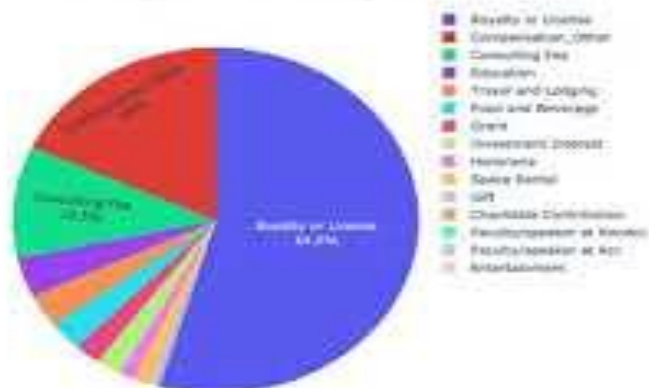


Total Amount

10.86 Billion

☐ Specialty ☐ Month ☐ Drug ☒ Payment Type

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