

Coding It Forward Demo Day

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What does the Digital Service at CMS do?

We work to transform the U.S. healthcare system by:



Improving the design of healthcare experiences



Delivering value to the government, healthcare providers, and patients



Modernizing systems



Participating in policy development

How we work

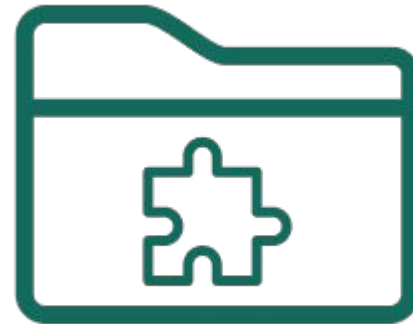
We achieve goals through hiring great talent. We deploy **small, responsive** groups of designers, engineers, and product managers to CMS for a "tour of duty" to work alongside **dedicated civil servants** to solve some of the largest, most complex problems facing our healthcare system.

These **multidisciplinary teams** bring best practices and new approaches to support government **modernization** efforts.



What is Open Source Software?

Source code that anyone can **inspect**, **modify**, **enhance**, and **share**.



Why Open Source at CMS?

480

Medicare accountable care
organizations (ACOs)

56

state/territory Medicaid
systems

\$44.1 B

spent by states on Medicaid
systems

What did we work on?

1

Metrics & Inventory

Of CMS's existing open-source projects

2

Supporting Release

Of new open-source projects throughout CMS

3

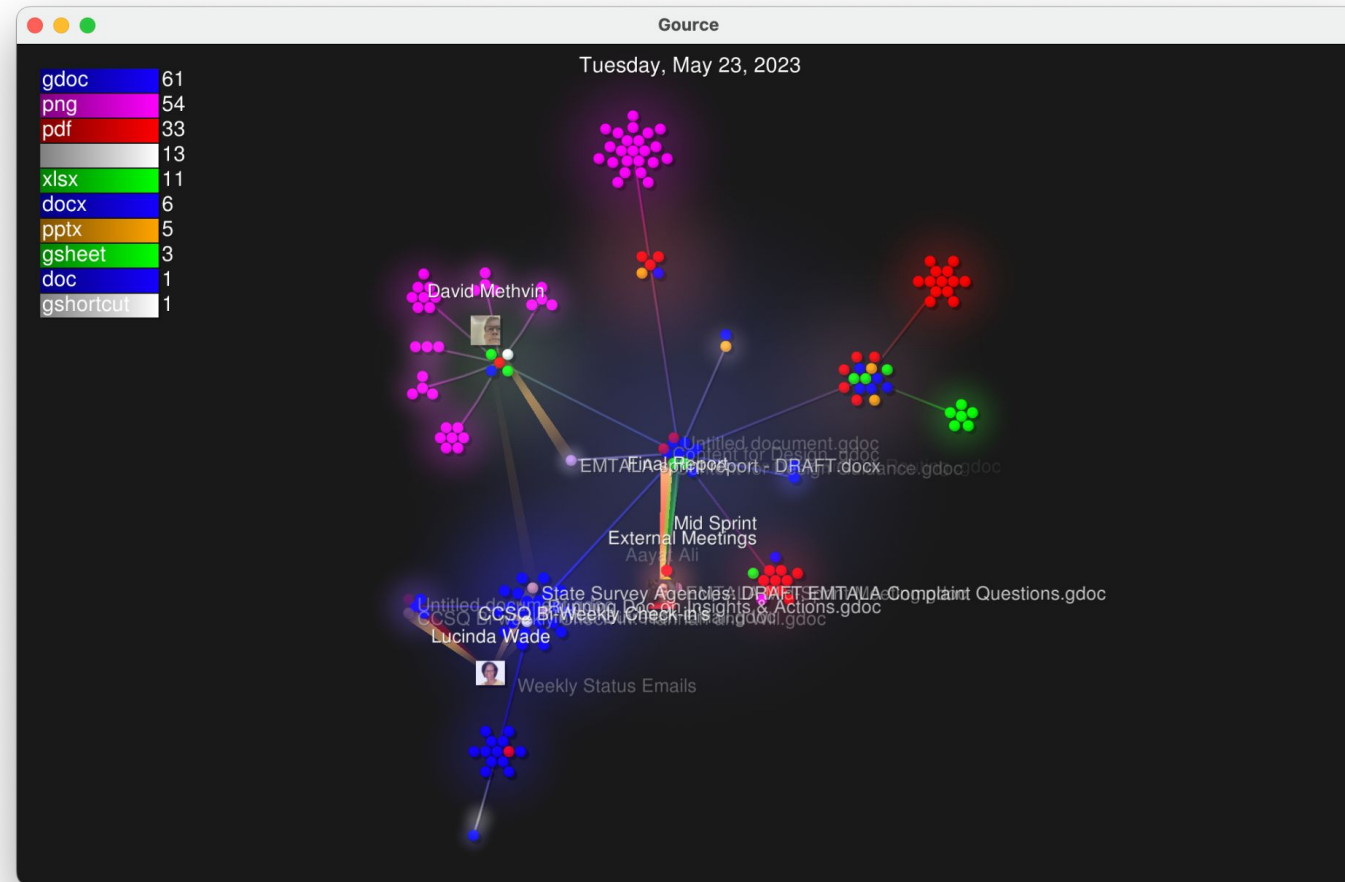
Miscellaneous Projects

...open sourcing the results where we can!

Projects

Google Drive Visualization

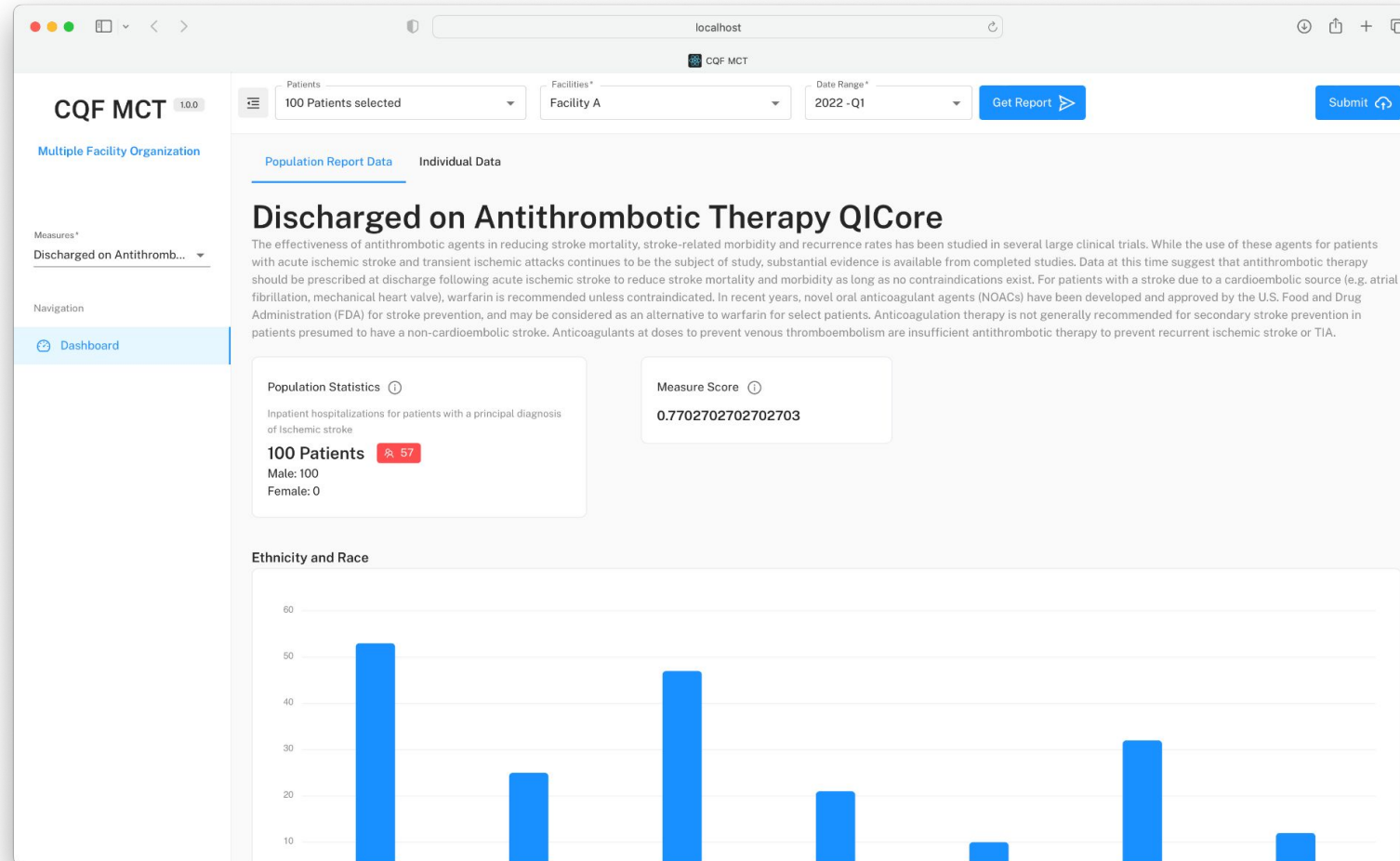
 CMSgov/drive2gource



Don't Dismiss The Front Door

MCT/MCT-IG Open Source Release

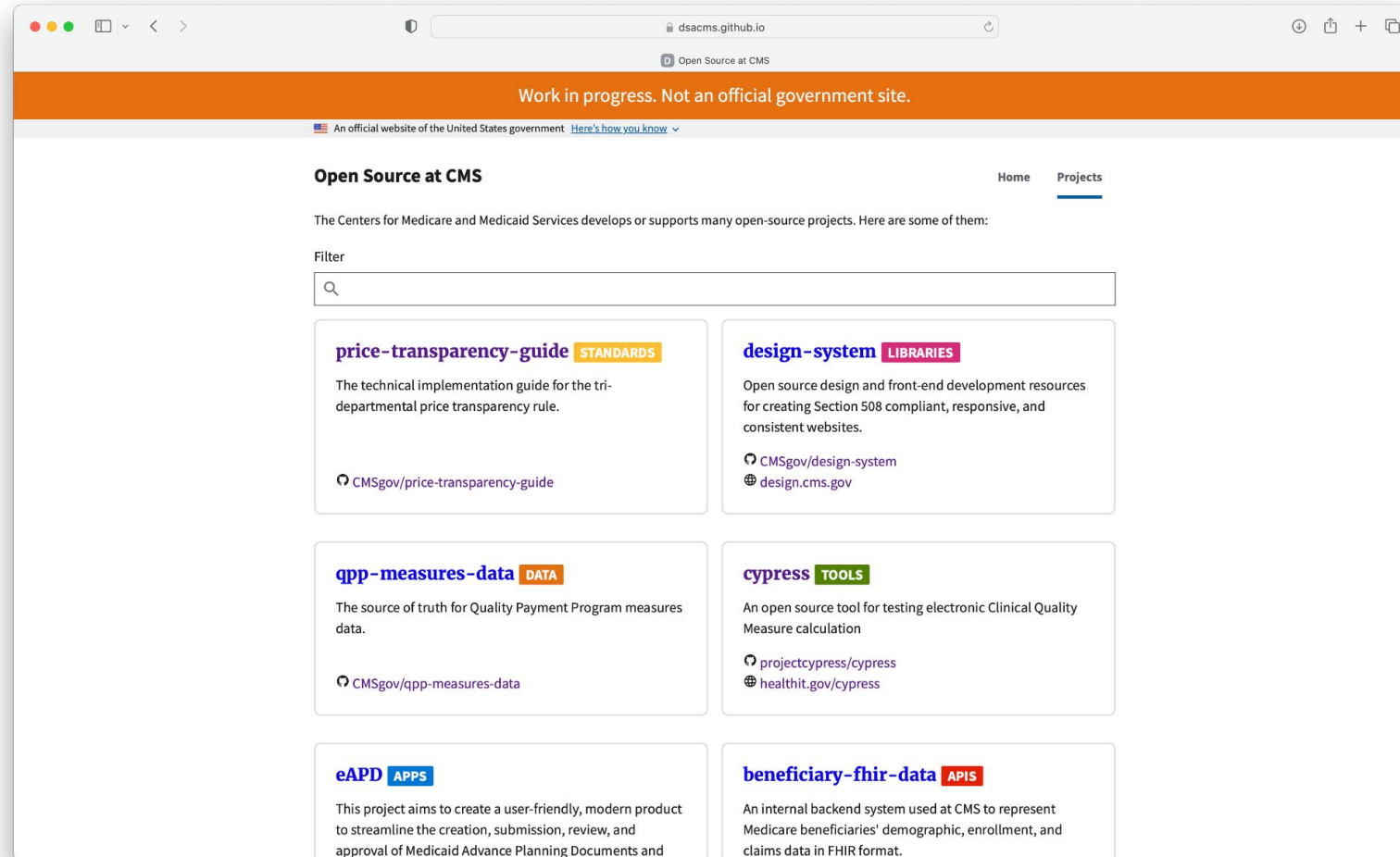
 *coming soon*



Leave Some Problems Alone

Open Source Projects Landing Page

<https://dsacms.github.io/open/projects>
DSACMS/open



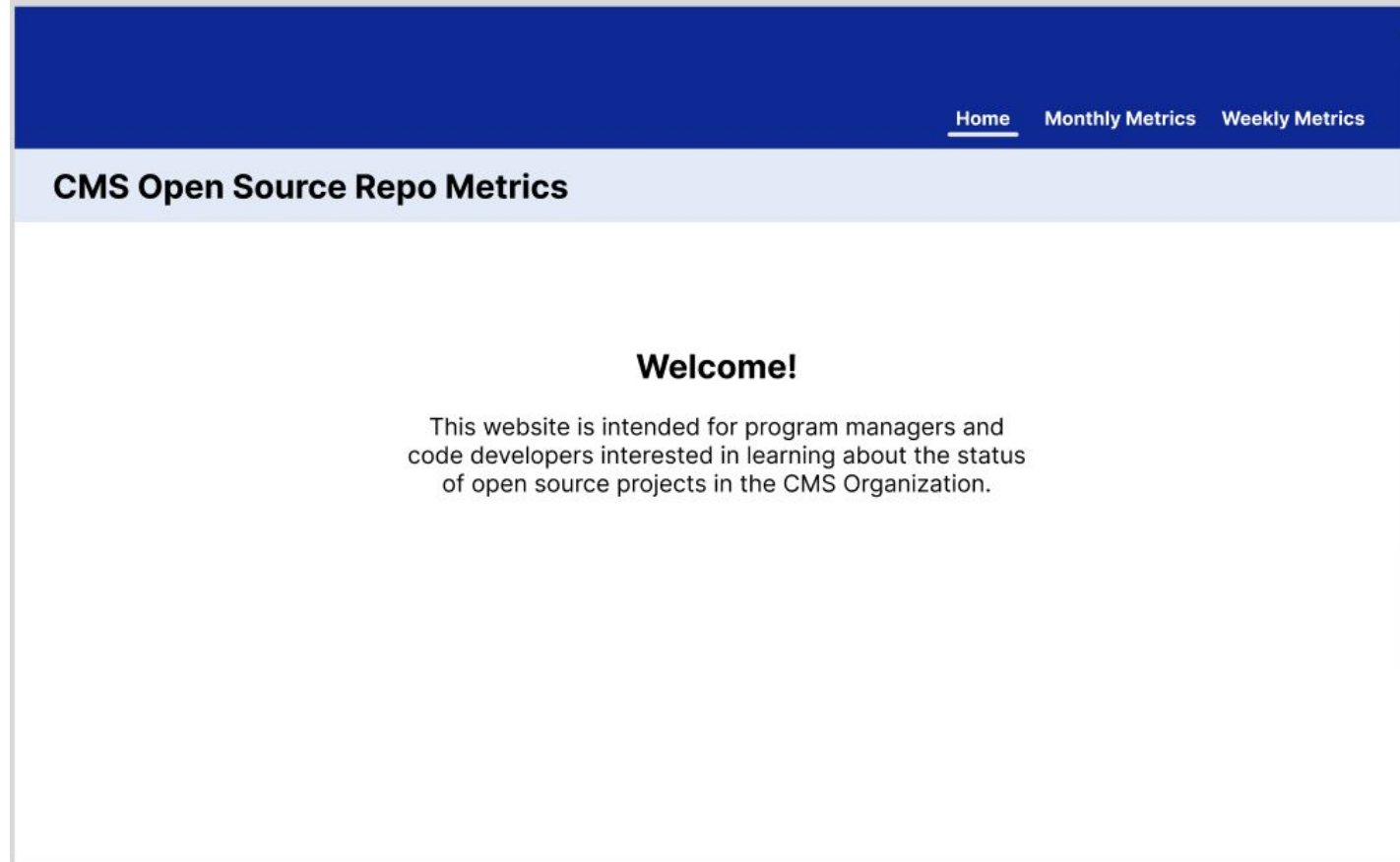
Don't Build Things You Can't Maintain

Metrics

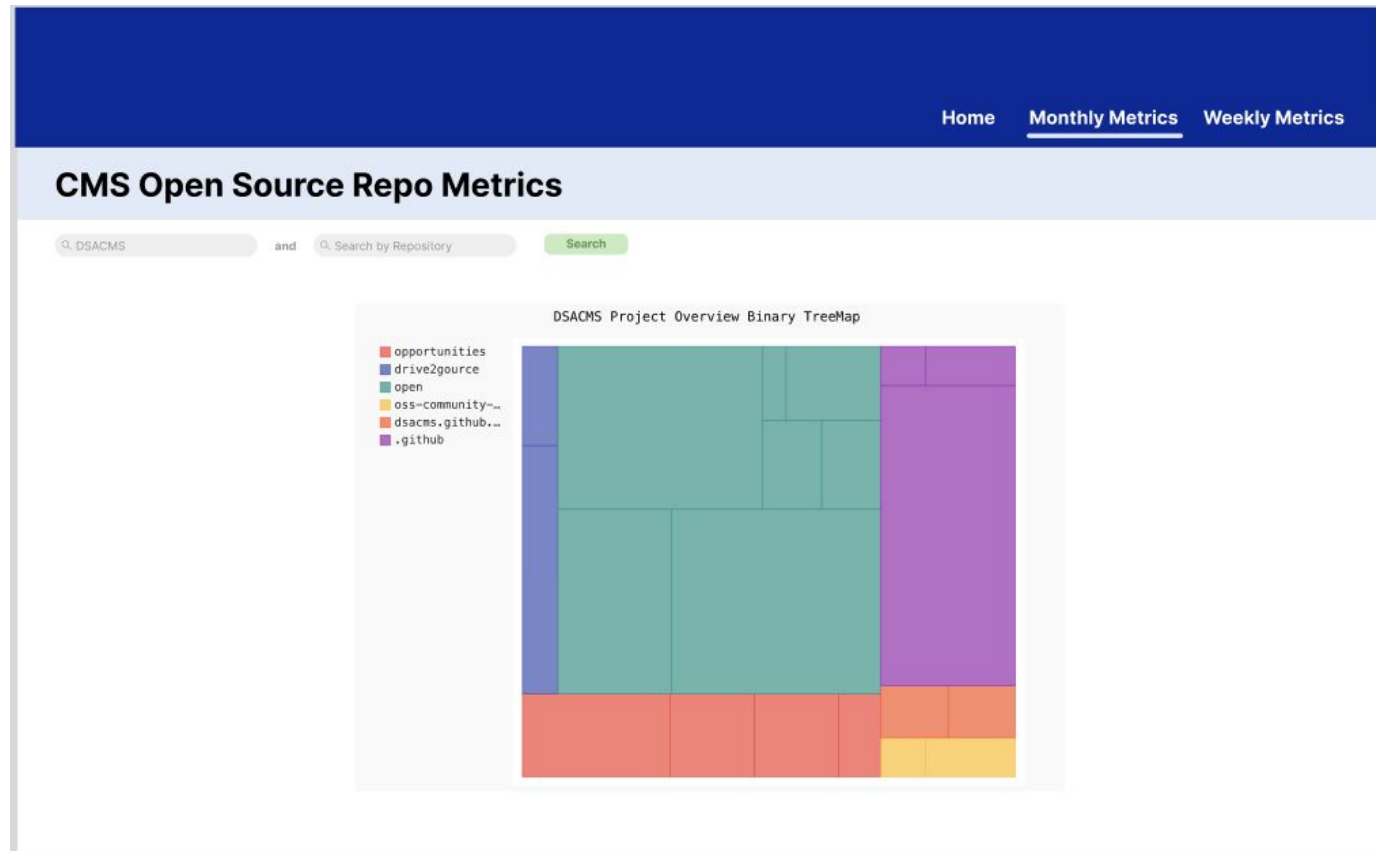
● Purpose

Develop a metrics web page that automatically pulls github repo data each week to produce numerical and visual statistics to aid developers and PMs in monitoring project health.

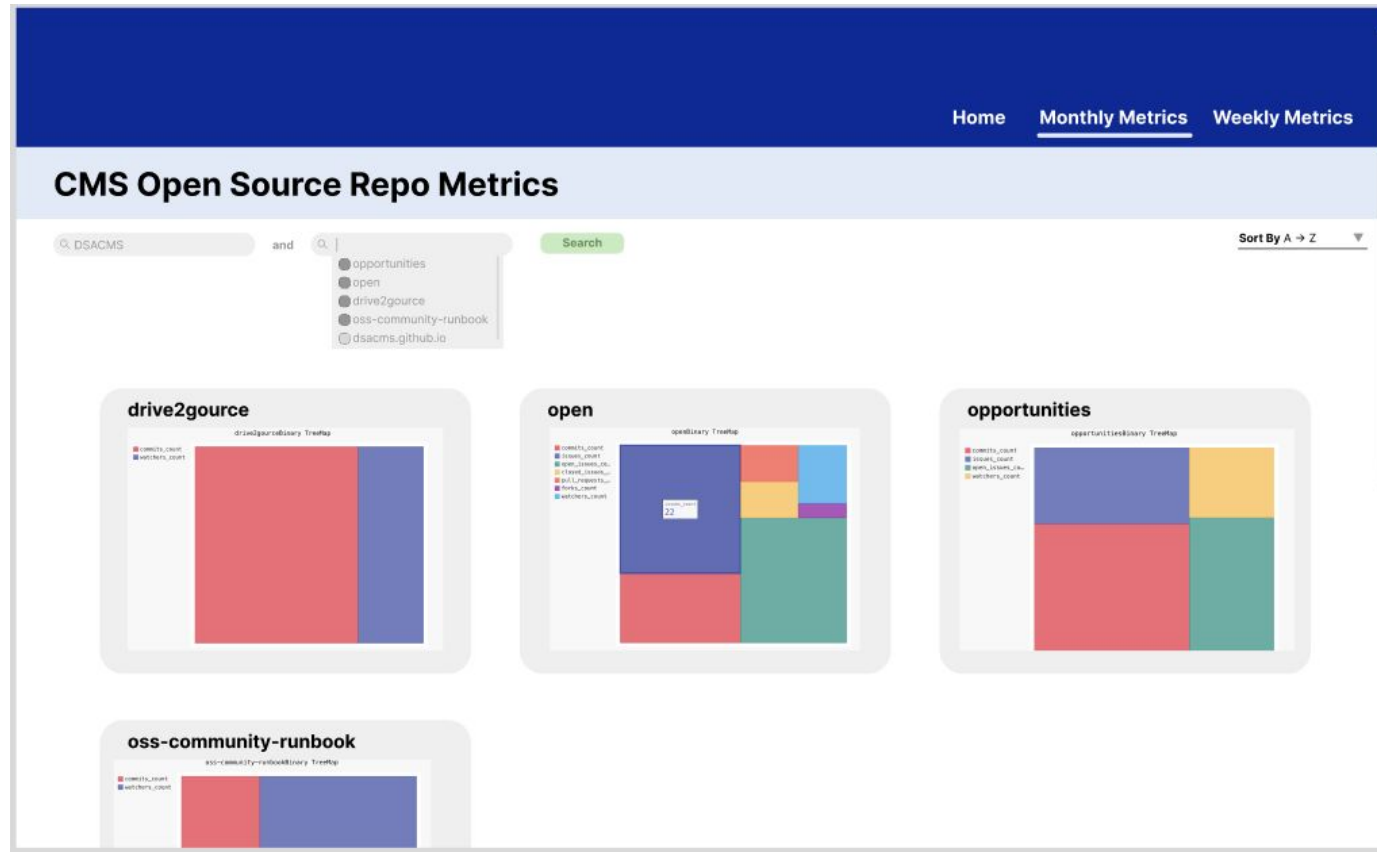
Figma Design: Home Page



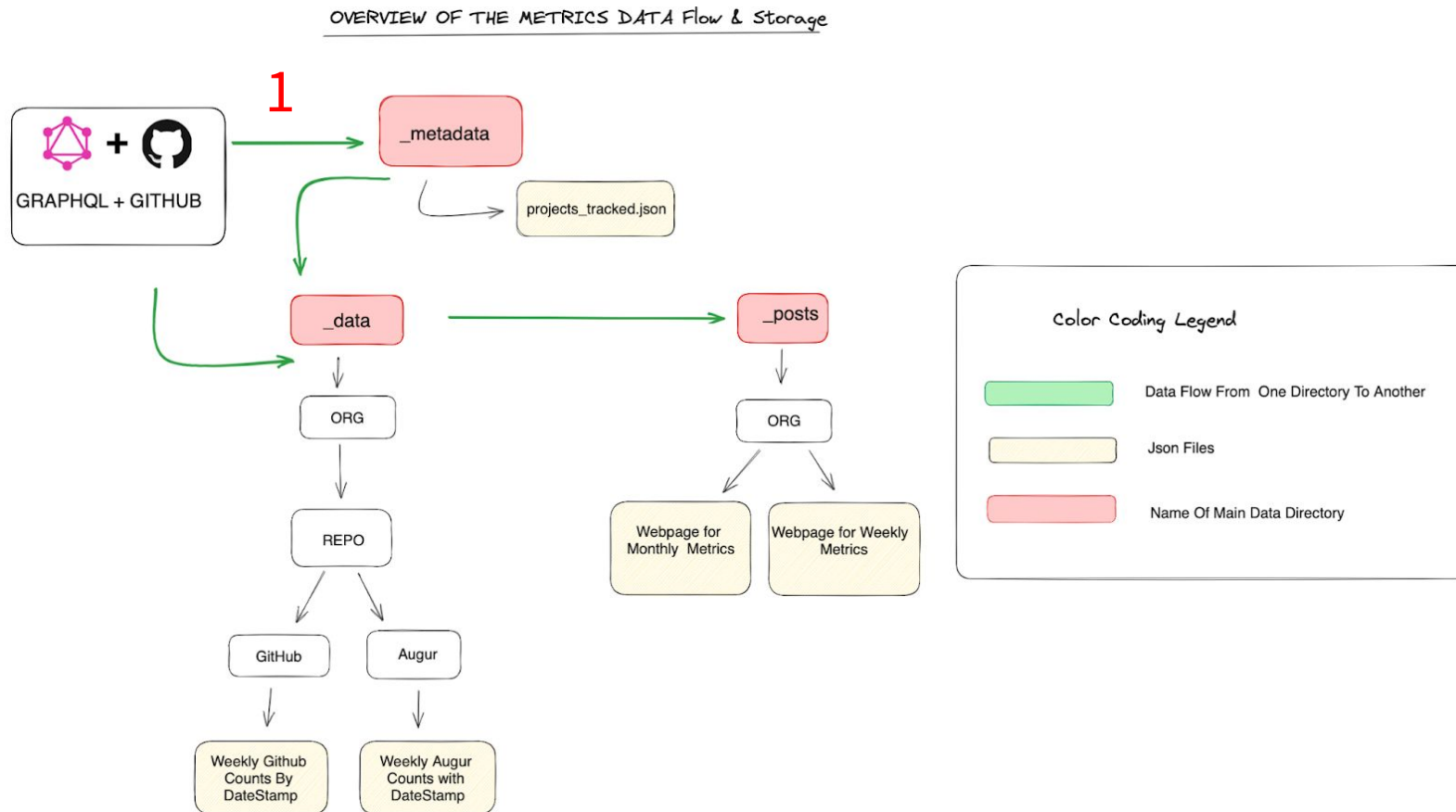
Figma Design: Org. Overview



Figma Design: Specific Repos

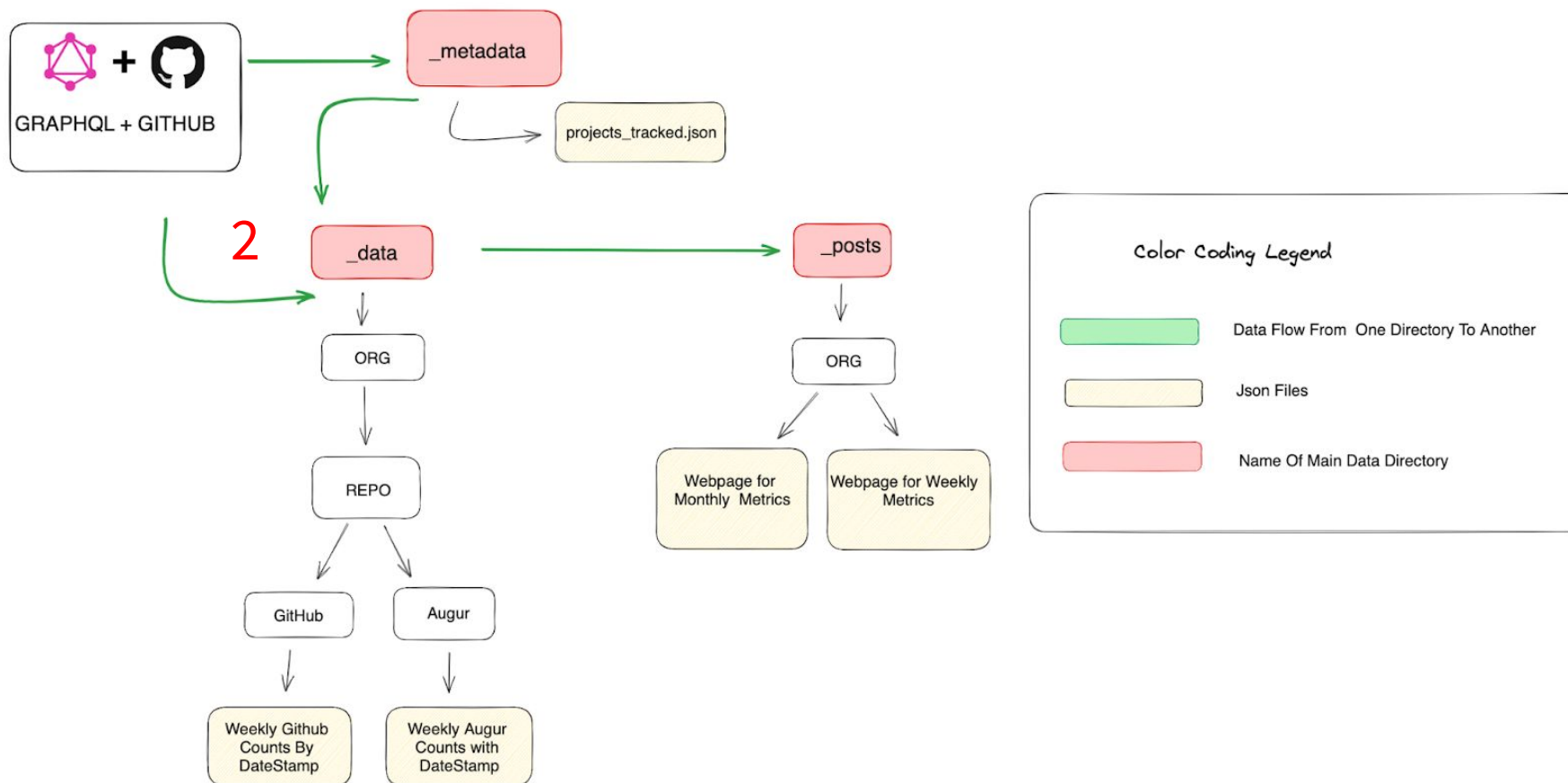


Data Workflow Diagram



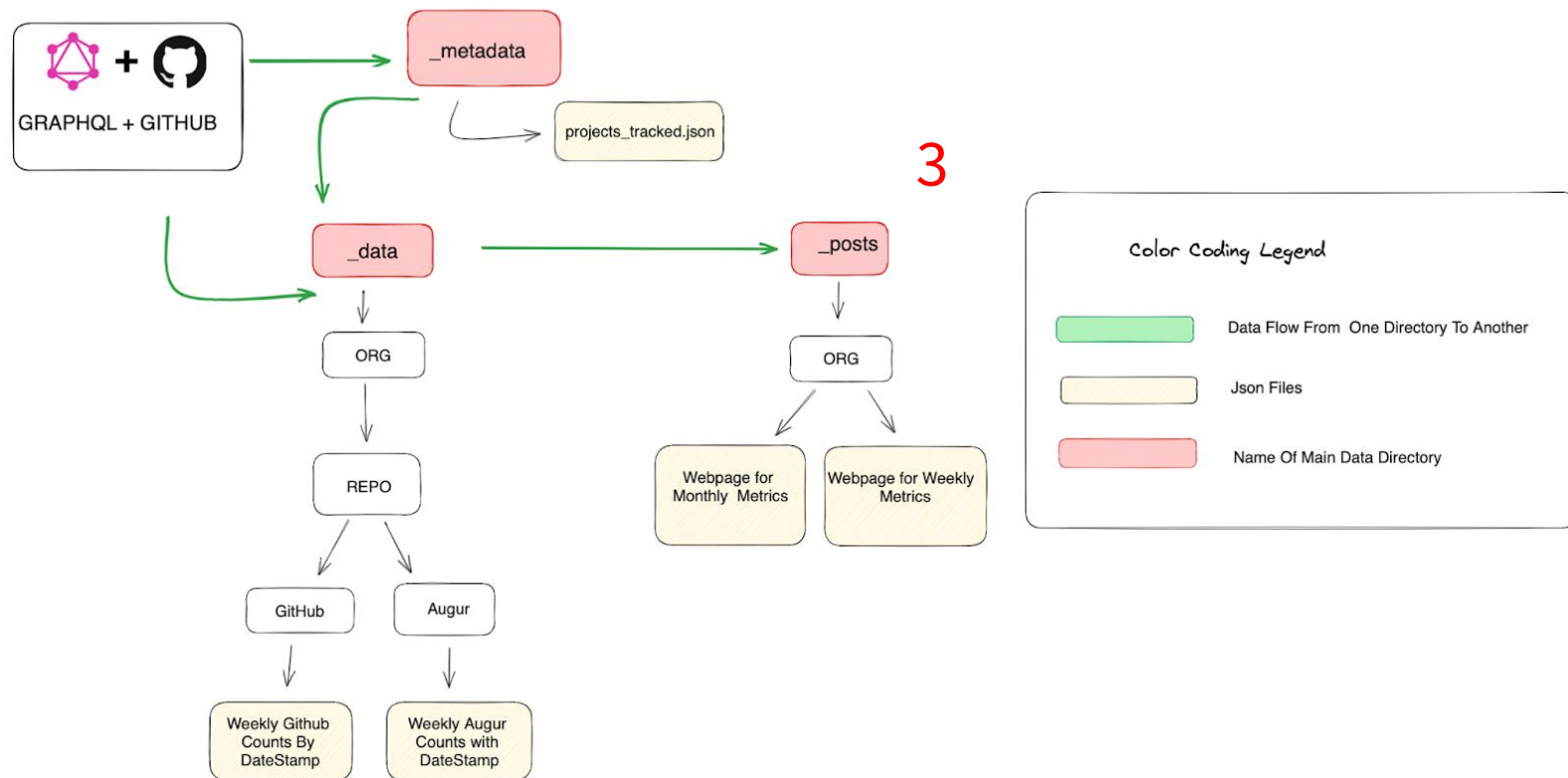
Data Workflow Diagram

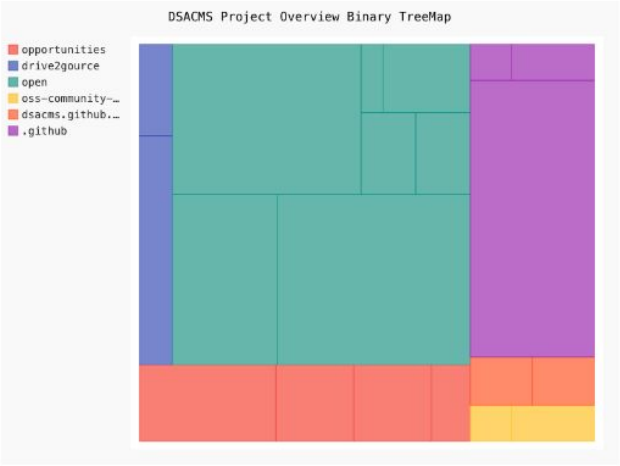
OVERVIEW OF THE METRICS DATA Flow & Storage



Data Workflow Diagram

OVERVIEW OF THE METRICS DATA Flow & Storage





monthly

Design, design, & design...

**It's *crucial* for software
development.**

HHS Opportunities

Purpose

Develop a job opportunities page for students interested in data science roles at Human Health Services.



Bringing...



To..



HHS Data Science Opportunities Page

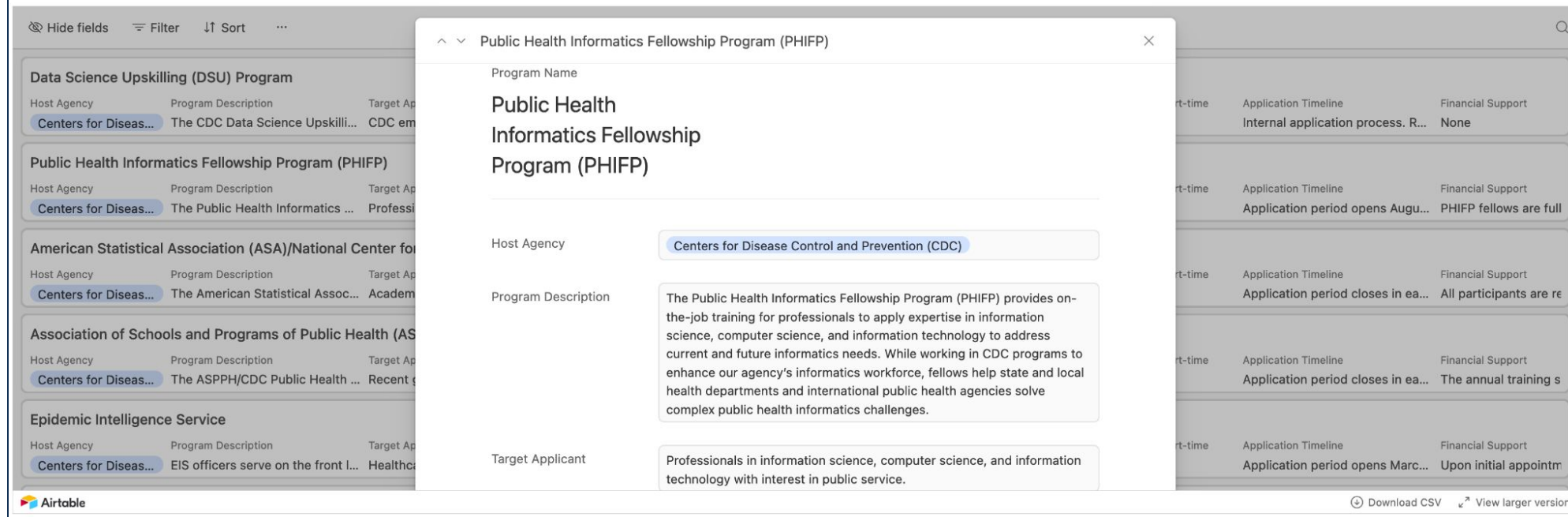
<https://dsacms.github.io/opportunities>
 [DSACMS/opportunities](https://dsacms.github.io/opportunities)

HHS Inventory of Data Fellowships and Internships

This page shares currently active opportunities for recurring fellowship and internships, related to data science or technology, for work in the U.S. Department of Health and Human Services (HHS). The people of HHS are essential to its vision of making data meaningfully usable and actively used across the Department. Fellowships and internships provide a unique opportunity to learn about government work and to contribute to HHS' mission of enhancing the health and well-being of all Americans.

The inventory includes both federal-wide programs, and programs specifically for HHS or subcomponents. Some programs are specifically focused on data science or technology, while others are broader but provide an opportunity to incorporate data-driven work.

More information about each opportunity can be found by clicking on the listing in the table. The listings can be filtered by selecting the filter icon and adding a condition.



Hide fields Filter Sort

Host Agency	Program Description	Target Applicant
Centers for Diseases...	The CDC Data Science Upskilli...	CDC em
Centers for Diseases...	The Public Health Informatics ...	Professi
Centers for Diseases...	The American Statistical Assoc...	Academ
Centers for Diseases...	The ASPPH/CDC Public Health ...	Recent t
Centers for Diseases...	EIS officers serve on the front l...	Healthc

Public Health Informatics Fellowship Program (PHIFP)

Program Name

Public Health Informatics Fellowship Program (PHIFP)

Host Agency

Centers for Disease Control and Prevention (CDC)

Program Description

The Public Health Informatics Fellowship Program (PHIFP) provides on-the-job training for professionals to apply expertise in information science, computer science, and information technology to address current and future informatics needs. While working in CDC programs to enhance our agency's informatics workforce, fellows help state and local health departments and international public health agencies solve complex public health informatics challenges.

Target Applicant

Professionals in information science, computer science, and information technology with interest in public service.

Application Timeline

Internal application process. R...

Financial Support

None

Application Timeline

Application period opens Augu...

Financial Support

PHIFP fellows are full

Application Timeline

Application period closes in ea...

Financial Support

All participants are re

Application Timeline

Application period closes in ea...

Financial Support

The annual training s

Application Timeline

Application period opens Marc...

Financial Support

Upon initial appointm

Airtable

Download CSV View larger version

It takes a team

Thank You DSAC!

Thanks!

- DSAC team
- Logan McDonald
- Alberto Colon
- Ari Hershowitz
- Hayley Barton
- Alec Blase
- Edna Riddick
- Rachel Dodell
- Ariana Soto
- Yuyang Zhong