

# Launch: Rural Health Transformation Grant Tracker

Google Cloud



Playwright



SAM.GOV®



Claude



OpenAI



Throughout my career, I've worked alongside amazing developers to build applications that live on the internet. I've helped design systems, shape product direction, and define requirements – but I wasn't writing the production code myself.

New inventions like Claude Code, Open AI Codex, and other tools have changed that. Now I talk to computers and build apps with them. Wild.

In the last few weeks I've pulled together a side project around a number of long-standing passions – open data, public health, and government transparency. It's a system for tracking the [Rural Health Transformation Program \(RHTP\)](#), a \$50 billion, five-year federal funding stream that was launched just last month.

It's been up & running since last Friday as the Rural Health Transformation Grant Tracker newsletter: <https://www.ruralhealthtransformation.life/>.

It's a perfect subject for me.

- A clearly defined federal program with structured rules about programs, spending, and reporting

- 50 states implementing projects with variations on specific topics within a common framework
- Publicly available federal spending data via USAspending
- A mix of policy documents, press releases, and implementation updates

## Stitching tools together in a human-supervised workflow

I've built it on top of a wintry mix of tools that I've learned and relied on for complex workflows and operations:

- [Google Cloud APIs](#) for for storing screenshots of state program websites on [Google Drive Workspace](#)
- [monday.com](#) for storing metadata about grant programs as well contact information for grantees, administrators, and contractors
- [ClaudeCode](#) as the main application development and automation logic engine with [Codex](#) also hitting the repositories and reviewing code
- Public open data sources (CMS, HHS, USAspending, state health departments)
- [Python](#), [BeautifulSoup](#), [hashlib](#), and other tools for Web scraping and diffing infrastructure (application runtime and orchestration)
- [GitHub](#) as an operational backbone – serving as CI/CD engine (GitHub Actions), automation scheduler, artifact store, issue tracking system, public-facing hosting layer (via GitHub Pages, where applicable), and a complete operational audit trail
- [Playwright \(headless Chromium\)](#) for automated screenshots
- [Monday.com](#) for data analysis, dashboards, and outbound communication to states and other stakeholders
- [Substack](#) for publication on a daily basis with weekly summaries

## Github for code management and app hosting

The result is a stash of custom code in Github, a set of human workflows that I execute on every morning, and a newsletter with hand-verified updates on the civic engagement, grants, projects, and contractors for an enormous federal spending program in all 50 states. Features as follows:

- Multi-source monitoring - Checks CMS, Google News, and state health departments
- Intelligent filtering - Uses keyword matching and relevance scoring
- Duplicate detection - Prevents duplicate alerts both on the news source and state website sources
- Email notifications - Sends alerts when new items (website changes, new grant awards, outlays from are found

- GitHub integration - Creates issues for new findings
- Historical tracking - Maintains JSON database and historical screenshots of all findings
- Scheduled execution - Runs daily via GitHub Actions

## [Monday.com](#) API integration for data work, dashboards, and communications

The monitoring tools allow me to build a classification system for all of the projects—more to come on that as the project definitions emerge from the states.

The screenshot shows the Monday.com interface for 'RHT Topics'. The table lists various topics such as 'Collaborative EHR, IT, and Cybersecurity' and 'Rural Health Initiative'. A modal window is open, allowing users to assign labels to the 'Type' column. The labels are organized in a grid and include categories like 'Access', 'Community Care', 'EMS', 'Maternal Health', 'Workforce Pipeline', 'AI/ Artificial Intelligence', 'Cybersecurity', 'Finance', 'Network / Infrastruc...', 'AI / Cybersecurity', 'Data / Analytics', 'Food Security', 'Preventative Health', 'AI / Infrastructure', 'Data / Interoperability', 'HIE / Health Informa...', 'Technology', 'AI / Technology', 'Digital Literacy', 'Hubs', 'Telehealth', 'AI / Telehealth', 'EHR', 'Innovative Care', and 'Value-Based Care'. The modal also features 'Edit Labels' and 'Auto-assign labels' options.

Monitoring, validation, screenshots, uploads, and reporting can operate individually or as a single pipeline.

My automated Github actions use the [SAM.gov](#) API to query spending outlays daily and directly update my dedicated [monday.com](#) board. That's where I can run dashboards, connect spending to programs, and see how things are going.

