



Driving Innovation with Open Data and Interoperability

***Jeanne Holm
Evangelist, Data.gov
November 14, 2012***

***There are three
questions to ask
about open data***

Why Do Agencies Share Data?

- Meet regulatory compliance
- Better communicate with citizens and stakeholders



Why Do Countries Share Data?

- Create new economic development
- Kickstart innovation



JANA GRAHA CENTRE FOR CITIZENSHIP AND DEMOCRACY | CHANGEMYCITY
We protect your *anonymity*, so you can share your story

I PAID A BRIBE

Uncover the market price of corruption

1050975

f
t
YouTube

Search

[Login](#) | [Register](#)

INDIA
I PAID A BRIBE
I DIDN'T PAY A BRIBE
I DIDN'T HAVE TO PAY A BRIBE
I DON'T WANT TO PAY A BRIBE
ALL REPORTS
IN THE NEWS TODAY

1 MILLION VISITORS

Get in touch

Add your voice

Click to watch

Do you think CORRUPTION is corroding our country?
Your data will help to change the system.
Your bribe story can help others. Act NOW!



Max. bribe amt across cities



Category of reports filed



Max. bribe reports across cities

484
Cities

20,371
Reports

45,28,16,955
Rupees

BRIBE STORIES
BRIBE FIGHTERS
HONEST OFFICIAL



16,439
stories

Editor's Pick
Money: a shortcut to God
 When thousands of pilgrims from different parts of the country overcome great odds to reach Tirumala Hills in Tirupatfor a darshan of Lord Venkateshwara, it goes without saying...

[Read More](#)

BRIBE STORIES | PAID A BRIBE
Stories of those who had to pay bribes

To Transfer the katha
 Bangalore | Registration department | Rs. 5000
 1 hour | 5 Views | 0 comments
 I paid a bribe of 5000rs to an employee at btmp office, kudu gate, bangalore to transfer the katha...

[Read More](#)

THE ANTI-BRIBE BRIGADE | I DIDN'T PAY A BRIBE
Stories of those who resisted bribes

fine amount quoted : 600 rs, discount offered :300 rs(if paid as bribe), actual fine : 200 rs
 Hyderabad | Police
 3 days | 68 Views | 1 comment
 Dear all, I m an Indian who has seen the maximum number of bribe requests by Indians. I was...

[Read More](#)

HONEST OFFICIAL | I DIDN'T HAVE TO PAY A BRIBE
Stories of those who didn't demand bribes

police verification... long but bribeless
 Mysore | Police
 4 days | 58 Views | 0 comments
 I was expecting to be asked to pay for my PV for passport. The case worker came 2 times to my...

[Read More](#)

5

***Releasing and using
open data is about
empowering people to
make better decisions
and change their
behavior***

1. Gather data

- from many places and give it freely to developers, scientists, and citizens

2. Connect the community

- in finding solutions to allow collaboration through social media, events, and platforms

3. Provide an infrastructure

- built on standards and interoperability

4. Encourage technology developers

- to create apps, maps, and visualizations of data that empower people's choices

5. Gather more data

- and connect more people



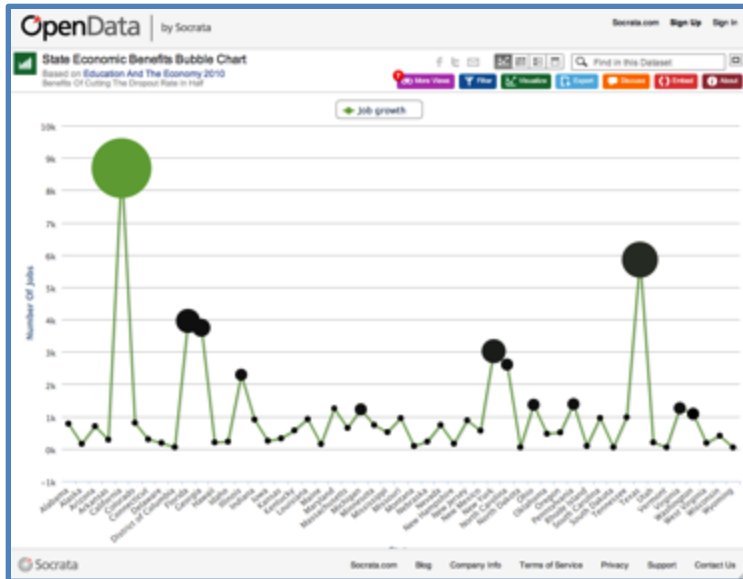
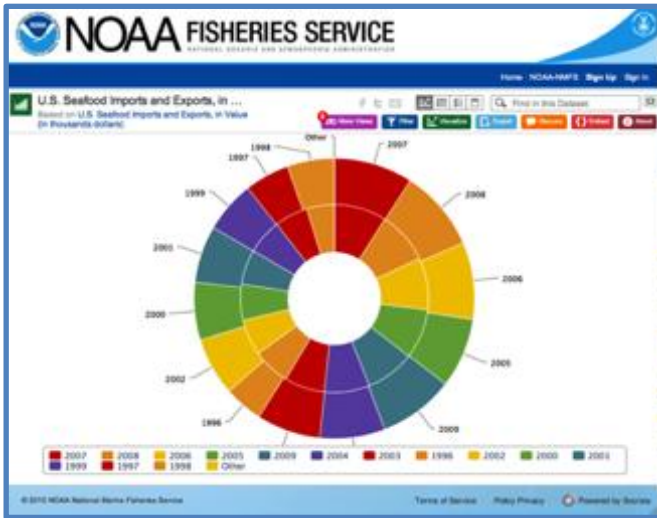
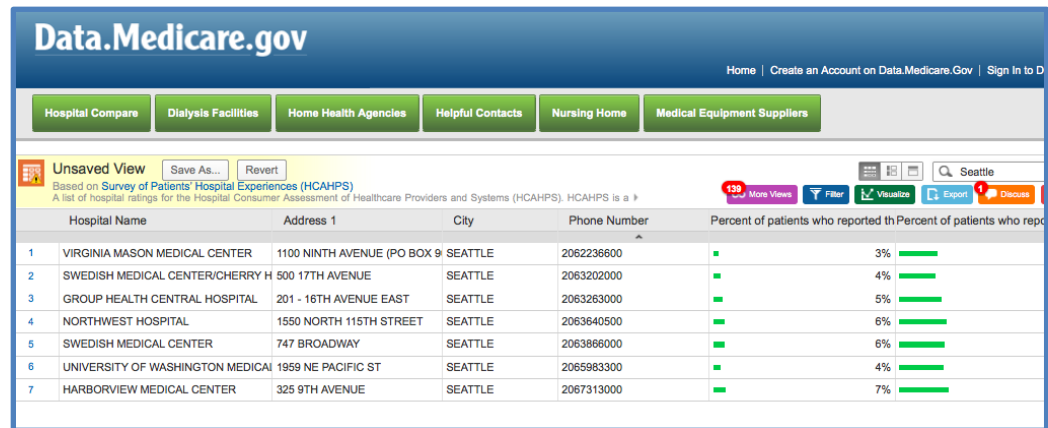
“A Strategy for American Innovation” published September 2009



The screenshot shows the Data.gov homepage with a navigation bar (HOME, DATA, APPS, COMMUNITY, METRICS, OPEN DATA SITES, GALLERY, WHAT'S NEW) and a main banner for RADNET. Below the banner are six content blocks: DATA AND APPS, COMMUNITIES, OPEN GOVERNMENT, LEARN, SEMANTIC WEB, and DEVELOPER'S CORNER. Each block contains a brief description and a 'MORE' button. The footer includes links for About, FAQ, Contact Info, Data Policy, Accessibility, Privacy Policy, and Sitemap, along with the Data.gov logo.

- Provides instant access to ~400,000 datasets in easy to use formats
- Contributions from UN, World Bank, and 172 agencies
- Encourage development of innovative applications
- Drive innovation and knowledge use across the globe

The Power of Visualizations

Data.Medicare.gov

Hospital Compare | Dialysis Facilities | Home Health Agencies | Helpful Contacts | Nursing Home | Medical Equipment Suppliers

Unsaved View | Save As... | Revert

Based on Survey of Patients' Hospital Experiences (HCAHPS)

A list of hospital ratings for the Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS). HCAHPS is a...

Hospital Name	Address 1	City	Phone Number	Percent of patients who reported th	Percent of patients who rep
1 VIRGINIA MASON MEDICAL CENTER	1100 NINTH AVENUE (PO BOX 9)	SEATTLE	2062236600	3%	
2 SWEDISH MEDICAL CENTER/CHERRY H	500 17TH AVENUE	SEATTLE	2063202000	4%	
3 GROUP HEALTH CENTRAL HOSPITAL	201 - 16TH AVENUE EAST	SEATTLE	2063263000	5%	
4 NORTHWEST HOSPITAL	1550 NORTH 115TH STREET	SEATTLE	2063640500	6%	
5 SWEDISH MEDICAL CENTER	747 BROADWAY	SEATTLE	2063866000	6%	
6 UNIVERSITY OF WASHINGTON MEDICAL	1959 NE PACIFIC ST	SEATTLE	2065983300	4%	
7 HARBORVIEW MEDICAL CENTER	325 9TH AVENUE	SEATTLE	2067313000	7%	

Powered Through Advanced Technologies



- Provides developers tools and raw data formats to develop new capabilities
- Partnership with
 - W3C: eGov Interest Group + activities, standards, and recommendations
 - RPI for research in semantic web and open linked data



- Data hosted in the cloud
- Open source platform
- Builds on ontologies developed in specific areas

- Universities are using Data.gov in the classroom as a learning guide and to have students develop apps from government data

<http://www.data.gov/story/datagov-in-the-classroom>

- Elsevier's SciVerse project called US Government Dataset Search creates an index of references and use of government data in scientific publications

<http://www.data.gov/communities/node/116/view/215>



DATA.GOV
www.data.gov


Search our catalogs... SEARCH

HOME DATA APPS COMMUNITY METRICS OPEN DATA SITES GALLERY WHAT'S NEW

LEARN


Data.gov in the Classroom

Learning to understand and analyze data is a key step in becoming a critical thinker. For our nation's youth to reach their full potential, they need tools, resources, and opportunities. Here at Data.gov, we create the opportunities for learning, challenges for innovation, and resources for exploring the nation and the world.



Shout Out to Teachers

Using Data.gov in the classroom? Created a cool app? Developed a lesson plan? Tell us your story, let us feature your class, let us come to your school!



We want you!

K-12 EDUCATION

Data.gov is also working with the International Science and Engineering Fair to bring Data.gov as a research tool and resource to K-12 students across the globe as they create, innovate, and learn about science through their research and in their schools. At this year's International Fair in Los Angeles on May 8-13, Data.gov will be making resources available for kids to explore, learn, and analyze government data, and encourage them to create apps and views of that data.

This year Data.gov also continues their sponsorship of the USA Science and Engineering Festival. At last year's event on the Mall in Washington, D.C. 5,000 students explored datasets ranging from health to energy through Data.gov apps and mashups that made learning fun.

UNIVERSITIES

Data.gov in the Classroom highlights 11 universities and colleges across America that are using the information and lessons of Data.gov to help future generations learn about government data, how to use it, and help create the apps that enable others to do so as well.

- Harvard University, Dr. Karim Lashani, Data.gov: Matching Government Data with Rapid Innovation, Harvard Business Case Study
- New York Law School, Professor Beth Novack, Democracy Design Workshop Do Tank, ORGPedia: Corporate Intelligence and Accountability for the 21st Century and Economic Impact of Open Gov Data
- New York University, Professor Christina Goodness, Information and Technology for Socio-political Change
- Oregon State University, Dr. Dawn Wright, Geographic Information Systems and Science
- Rensselaer Polytechnic Institute, Professor Peter Fox, Data Science
- Rensselaer Polytechnic Institute, Professor Jim Hendler, Linking Open Government Data (tutorials, apps, and mashups)
- Rice University, Jeffrey Siefert and Jane Fountain, Technology and Policies in the Information Age
- Syracuse University, Professor Ines Merget, Government 2.0
- Temple University, Steven L. Johnson, Data and Knowledge Management
- University of California, Berkeley, Professor Yee, Mixing and Remixing Information
- University of Michigan, Library, Access to Governmental Datasets at Data.gov
- Yale University, Dr. Laura DeNardis and Dr. Nicholas Bramble, Access to Knowledge

EDUCATION IN THE WORLD

The Organization for Economic Cooperation and Development collects information from around the world on education, population, economic output, productivity, labor market, and innovation themes to highlight differences within countries. This data is featured on Data.gov in cooperation with the Department of State.

The OECD PISA (Programme for International Student Assessment), created in 1997, reviews the reading, mathematical, and scientific literacy of 15 year olds around the world. The PISA program goes beyond the examination of whether students have mastered their school's curriculum and asks if their knowledge will translate into skills needed in adult life.

Explore PISA and other tools and datasets here:

- ECOTOX Knowledgebase
- OECD Family database
- OECD Regional Database
- PISA 2009
- Program for International Student Assessment (PISA) Data Explorer
- U.S. CRS++ Submission to the OECD/IGAC CY2009
- U.S. ODA Disbursements by Recipient Country and U.S. Agency
- U.S. Official Development Assistance Database

About | FAQ | Contact Info | Data Policy | Accessibility | Privacy Policy | Sitemap

DATA.GOV

Data.gov for the Economy

- NOAA's data helped build weather-related business
- When the Department of Defense released satellite data...private industry created affordable GPS devices!
- Together these open data services empower \$100B data-driven industries



Open Communities



Community	
Developers	✓
Open Data	✓
Semantic Web	✓
Health	✓
Law	✓
Energy	✓
Education	✓
Ocean	✓
Safety	✓
Manufacturing	✓
Business	✓
Ethics	✓
Cities	✓
Sustainable Supply Chain	✓
<i>+ many more...</i>	



Open Data is
an Ecosystem

Creating Community

- Communities are public-facing spaces that present data, information, and subject matter knowledge about a single topic from many organizations in one place
 - The topics for communities can be chosen based on priorities from the public, departments based on their mission, or issues of national importance



- These questions help to guide early discussions
 1. Vision: What will the community connection and collaboration look like in the future?
 2. Leaders: Who will help to lead the community?
 3. Participants: Who will participate?
 4. Outcome: What are the expected outcomes, metrics, and measurements that will show success? How will this community work to improve the lives of citizens?
 5. Functionality: What types of activities will be conducted on the site (forums, blogs, wikis, ranking, rating, challenges, or apps)?
 6. Content: What content should be displayed
 7. Interactivity: What ways will the community interact with the leaders, with each other, and with the public?

Energy Drives Innovation

- Energy.Data.gov connects innovators, industry, academia, and government at federal, state, and local levels



An Official Web Site of the United States Government Thursday, November 3, 2011 | Text: A A A | Share

DATA.GOV / ENERGY BETA [Login](#) | [Sign Up](#)

WELCOME TO ENERGY.DATA.GOV
where data and insight are combined to facilitate public discussion and awareness of our Nation's energy activities. Whether you are interested in alternative fuels, managing buildings to be more energy efficient, or trying to manage energy in your own home, we have something for you. Look at the data, use the apps, join the conversation.
[Make a Suggestion](#)

SPECIAL FEATURES
CODE FOR LIVABILITY
[VIEW MORE](#)

[Home](#) [Data/Tools](#) [Apps](#) [Maps](#) [Challenges](#) [Resources](#) [Blogs](#) [Forums](#) [SEARCH](#)

Data.gov » All Communities

Welcome

Energy.data.gov is a new open government initiative to increase awareness of and deepen insights into our Nation's energy performance. Energy.data.gov brings together high-value datasets, tools, and applications to shed new light on energy use. These free datasets and tools have been gathered from agencies across the Federal government with the goal of empowering all Americans to understand energy

Energy Data Features

An early focus of Energy.data.gov is on energy use in homes and buildings and opportunities for energy efficiency, especially among Federal government buildings. For the first time ever, Energy.data.gov now features detailed data on historical energy consumption and costs of all Federal agencies back to 1975 by agency, end-use sector, and energy type.

Challenges

To maximize opportunities for education and entrepreneurship across a diverse set of energy subjects, Energy.data.gov has challenges, prizes, and competitions that relate to energy data in meaningful and engaging ways. Compete in a challenge, get to know winners of previous challenges, ask questions, and share your great ideas!

Challenges Spark Ideas

- Energy.Data.gov works with groups and challenges across the nation to innovate around federal data

CHALLENGES

Want to get involved in helping to solve an energy problem that you see in your home, community, or country? Join in on one of our challenges. Challenges range from brainstorming ideas to creating applications to proposing research. Not ready to jump in? Then come and see how others have responded and look at the winners of previous challenges.

Open Challenges



sustainability to the forefront of peoples' everyday lives. Join us on January 21-22, 2011 to make a difference!

Code for Livability

The Partnership for Sustainable Communities is hosting a code-a-thon to bring together citizens, developers, and government personnel to work on solutions that bring



2011 ENERGY STAR National Building Competition: Battle of the Buildings

It's an energy savings battle as 245 buildings compete to see who can be the most efficient.

Resources:

- CBECs
- CEUS
- EnergyIQ
- Portfolio Manager
- NREL Renewable Energy Certificate and Green Power Markets



America's Home Energy Education Challenge

Participate in three great ways:

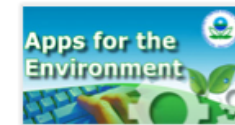
- Have your class or school join in the Home Energy Award by saving energy and win prizes for

your school!

- Feeling artistic? Design a conservation plan and poster.
- Shall we play a game? Compete in the Energy Fitness Award with online games, quizzes and activities to earn prizes for you and your school.

Resources:

- EnergySmart
- EnergySavers.gov



Apps for the Environment

EPA challenges you to find new ways to combine and deliver environmental data in a new app. In the Apps for the Environment challenge, you have free reign to make an app that uses EPA data, addresses one of Administrator Lisa Jackson's Seven Priorities, and is useful to communities or individuals. EPA encourages you to use other environmental, energy, and health data too. The winners will be honored at a recognition event in Washington, D.C. this fall and the winning apps will be publicized on EPA's website. EPA is counting on you to come up with exciting and useful new apps!



Build your own challenge for energy efficiency

You can use this platform and process to employ ENERGY STAR tools and resources in your energy improvement

efforts.



Rooftop Solar Challenge

Be part of a national effort to make clean solar electricity cost-competitive for your community.





Data Drives Decisions

- Apps transform data in understandable ways to help people make decisions

MOBILE APPS

These apps are available on your mobile device, some are available in only a single format and others in multiple formats. Each icon links to the appropriate format when available. A "mobile web" app is designed for optimum use over your mobile device through its built-in web browser.

Showing 1-4 of 5

 <p>AIRNow</p> <p>Provides real-time air quality information that you can use to protect your health when planning your day.</p> <p>Download iOS App Download Android App</p>	 <p>Alternate Fuel Locator</p> <p>Find fueling stations for your alternative fuel vehicle on-the-go with the U.S. Department of Energy's Alternative Fueling Station Locator.</p> <p>Access Mobile Web</p>	 <p>Fuel Economy.gov</p> <p>Calculate gas mileage (MPG), annual fuel costs, annual petroleum use, and the carbon footprint information for your car or truck.</p> <p>Access Mobile Web</p>	 <p>Sustainable Facilities Tool</p> <p>Identify and prioritize green building strategies to improve environmental and cost performance for small building projects.</p> <p>Download iOS App Download Android App Download BlackBerry App</p>
---	--	--	--

1 2

3 APPS

Showing 1-4 of 35

 <p>Alternative Fueling Station Locator</p> <p>Mapping application of alternative fueling stations across the U.S. including biodiesel, CNG, E85, and hydrogen, LNG.</p>	 <p>Bioenergy Knowledge Discovery Framework</p> <p>Spatial planning application used to identify bioenergy resources and logistical constraints with project planning.</p>	 <p>Biopower Mapping Application</p> <p>Spatial planning application to analyze potential scenarios for developing biomass power or biofuel facilities.</p>	 <p>Energy Index for Commercial Buildings</p> <p>Benchmarking application for commercial buildings allowing users to compare their energy use to national average.</p>
---	--	---	--

App Store > Business > Noblis, Inc.



SF Mobile

Description

Sustainable Facilities Mobile (SF Mobile) brings valuable sustainable building and workplace design guidance from the U.S. General Services Administration's (GSA) Sustainable Facilities Tool (http://www.sftool.gov) into your hands wherever you go. SF Mobile makes it easy for both government and private-sector people...

SF Mobile Support >

Free App

Category: Business
Released: May 24, 2011
Version: 1.2
Size: 0.9 MB
Languages: English
Seller: Noblis, Inc.
© 2011 NMBL, Inc.

Rated 4.5

Requirements: Compatible with iPhone, iPod touch, and iPad. Requires OS 3.0 or later.

iPhone Screenshots





Green Button

- 21 million American households can now download their home or business energy use data from their local utility
- Then use apps to manage their energy use to save money and go green
- More at Energy.Data.gov



- Ensure that as the government adjusts to this new digital world, we seize the opportunity to procure and manage devices, applications, and data in smart, secure and affordable ways
- Unlock the power of government data to spur innovation across our Nation and improve the quality of services for the American people



WhiteHouse.gov/digitalgov

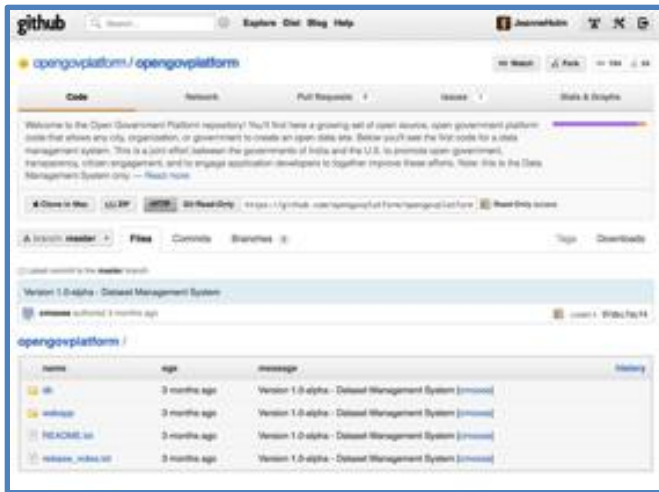
US Open Government Action Plan



- On 20 September 2011, President Obama announced at the UN General Assembly...
 - Contribute Data.gov as a platform (Government of India and the U.S.)
 - Foster communities on Data.gov
 - Health, energy, and law plus new communities in education, research and development, and public safety
- In September 2012, President Obama reported these actions delivered



- Open source co-developed by India's National Informatics Centre and US Data.gov Team
- Data.gov is migrating to OGPL in 2012
- Coordinating with open data providers, platforms, and communities like W3C, World Bank, CKAN, and open source developers worldwide
- Public commits and tracker on Github
- Public mailing list for discussion
- Join the community!
 - <https://github.com/opengovtplatform>
 - <http://www.opengovplatform.org>



DATA.GOV / CITIES

My account | Logout
Logged in as: Anonymous

WELCOME TO CITIES.DATA.GOV

Showcasing the applications and opportunities for harnessing the power of open data across the nation. City officials and developers working together to help improve the information available to city residents.

Data in Cities.Data.Gov is not federal data and not subject to the Data.gov data policy.

Home Admin Link Edit Panel Log Edit Export Broadcast Data Devel Apps

Search This Community... SEARCH

Data.gov » All Communities

Residents



Looking for cool ways to explore your city, services, and information? Check out the data provided by your government and the apps people have created with them. From family-friendly parks to A-rated dining to open parking spaces explore this site.

If you don't find your city here, let us know and we'll send the message to your city official.

Developers



Got an idea for an app? We've got data! Find examples and open challenges check out the Challenge tab above. For additional developer resources, check out [DeveloperData](#)

You can view the policies relating to 1 of data from the participating cities and federal government.

City Officials



Want to add your city to Cities.Data.gov? If you have an open data site or catalog, please let us know if you are interested in joining in this national platform for data innovation.

Most Relevant

hospital

Clear All Options

Federated Domains

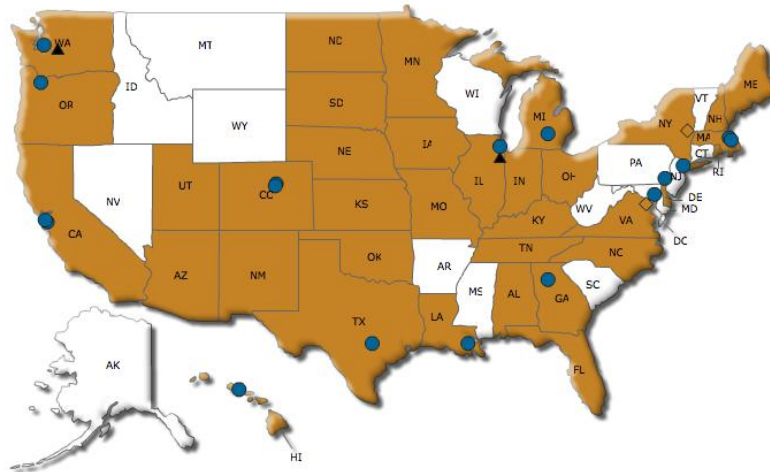
- data.baltimorecity.gov
- data.cityofchicago.org
- data.cityofnewyork.org
- data.hawaii.gov
- data.honolulu.gov
- data.mo.gov
- data.seattle.gov
- data.sfgov.org
- data.somerville.ma.gov
- explore.data.gov

The data represented comes from either federal or city sites. When you click on city data, you will be leaving Data.gov. Data from different sources are noted by color and icon. The policies for the release of city data may vary from the policies for the release of federal data.

View Types

- Datasets
- External Datasets
- Files and Documents
- Filtered Views
- Charts
- Maps
- Calendars
- Forms

	Name	Popularity	Type
1.	Hospitals Community hospitals Provided by data.seattle.gov Hospitals in Seattle	475 views	T
2.	Hospital Geographic shape, shop, esri, hospital Provided by data.baltimorecity.gov ESRI Shp file of hospital locations.	0 views	✓
3.	Hospitals Community health, hospital, emergency Provided by data.baltimorecity.gov This data set shows the location of Baltimore City hospitals.	0 views	✗
4.	Hospitals in Hawaii Health hospital Provided by data.hawaii.gov Department of Health Hospitals listing	0 views	✗
5.	Map Hawaii Hospitals Health hospital Provided by data.hawaii.gov Department of Health Hospitals listing	0 views	✓
6.	Hospitals - KMZ Geographic kmz, kmz, hospital, institution, health Provided by data.baltimorecity.gov KMZ file of hospital locations.	0 views	✓
7.	Public Health Statistics- Diabetes hospitalizations in Chicago, 2000 - 2011 Health & Human Services diabetes, hospitalization, chronic diseases Provided by data.cityofchicago.org This dataset contains the annual number of hospital	624 views	✗
8.	Federated from data.honolulu.gov Hospitals Provided by data.honolulu.gov Feature Service of Hospitals/Medical Centers within the City &	0 views	✓
9.	Public Health Statistics - Asthma hospitalizations in Chicago, by year, 2000 - 2011 Health & Human Services asthma, chronic, hospitalization, respiratory, ... Provided by data.cityofchicago.org This dataset contains the annual number of hospital	0 views	✗
10.	Hospital Compare Social Insurance and Human Services hospital decisions, hospital quality measures, ... Provided by explore.data.gov data that is used by the Hospital Compare tool can be	0 views	✓



Data.gov Capabilities

- Present

- Dataset Management

- Workflow engine and metadata editor
- Extended Dublin Core

- Search

- Keyword and filtering by basic metadata facets
- 6.7 billion triples

- Geo

- Search, harvesting, and map visualizations via www.geoplatform.gov

- Vocab.Data.gov

- Vocabulary and schema engine for linked data
- URIs for all health data



- Future

- OGPL

- Open source platform built on Drupal +

- API key registry

- API key authorization
- Templates and standards
- Application statistics

- Enhanced search

- Federated catalogs across agencies, cities, regions, and topics

- Vocab.Data.gov

- Federated ontologies
- URIs for all data

- Standards driven

- ADMS-based metadata

- Ontologies and schema adoption and augmentation with
 - Schema.org, IEEE, ISO, AGU, and others
 - Crowdsourced folksonomies
- RPI and Professor Jim Henderl
 - Lead for semantic web for Data.gov



Rensselaer



- W3C leadership (w3c.org)
 - Government Linked Data Working Group
 - eGovernment Interest Group (join for free!)
- Government of India
 - Shared leadership in the Open Government Platform
- CKAN
 - Co-developing components of the Open Government Platform
 - Open Knowledge Foundation



5 Star Data



CHANGE

AHEAD

Helping Others Through a Disaster



[HOME](#)
[DATA](#)
[TOOLS](#)
[COMMUNITY](#)
[METRICS](#)
[OPEN DATA SITES](#)
[GALLERY](#)
[WHAT'S NEW](#)

DEEPWATER HORIZON RESPONSE

In response to the 2010 oil spill in the Gulf of Mexico, Data.gov is featuring data from the Department of Energy (DOE), the Environmental Protection Agency (EPA), the National Oceanic and Atmospheric Administration (NOAA), the Department of the Interior (DOI), and the states of Florida and Louisiana related to the spill, its effects, and the cleanup effort. Data include oil and gas flow and recovery measurements, air and water sample data, oil spill-related exposure information, and other data of interest to scientists, recovery workers, and citizens.



RAW DATA AND TOOLS



Agency data is available from Data.gov that is relevant to the Deepwater Horizon response.

OTHER DATA SITES



Many federal agencies and state government data sites are available related to the Deepwater Horizon Response.

GEOPATIAL



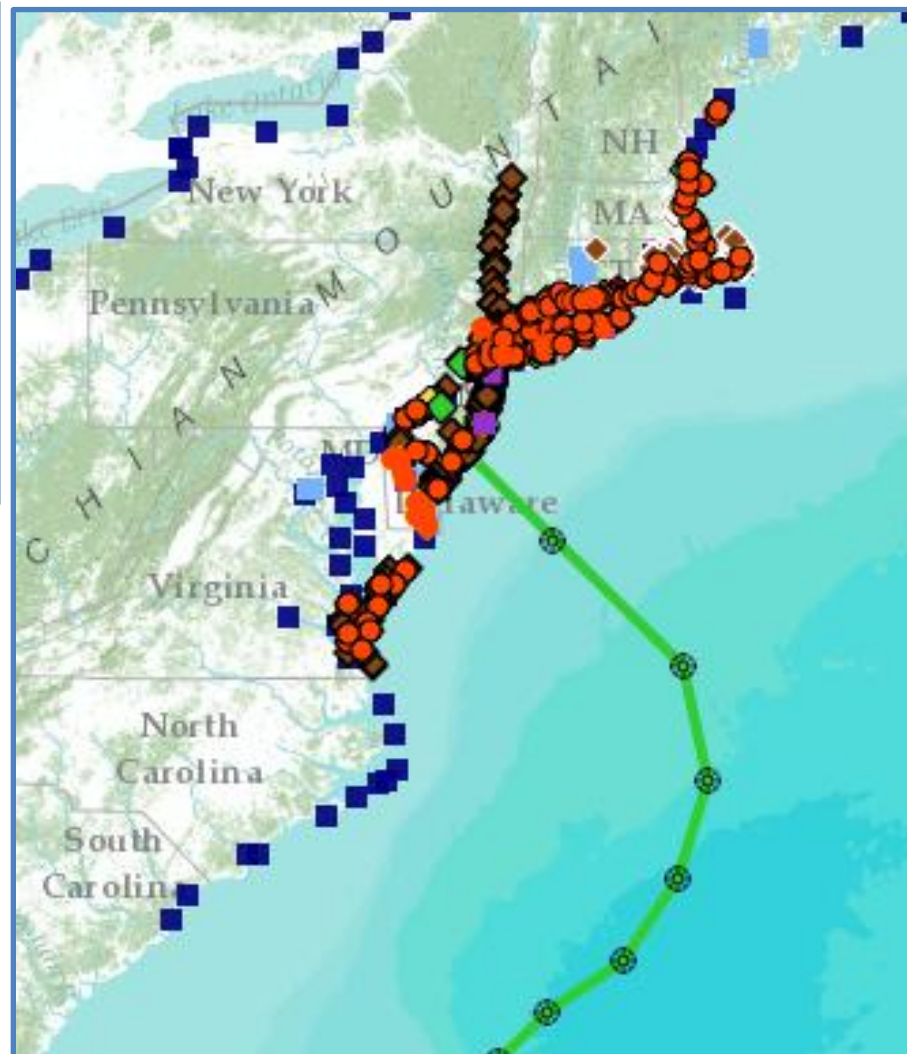
GeoPlatform.gov is a new online mapping tool that provides you with near-real time information about the response effort, developed by NOAA with EPA, U.S. Coast Guard, and the Department of the Interior.

Hurricane Sandy



Early warnings save lives

Data from USGS via Data.gov







Transparency in Government Spending

Text -A A +A Google Translate RSS Feeds **REPORT FRAUD, WASTE & ABUSE**

RECOVERY.GOV
TRACK THE MONEY

Recovery.gov is the U.S. government's official website that provides easy access to data related to Recovery Act spending and allows for the reporting of potential fraud, waste, and abuse.

Connect With Us     

Search 

Advanced Data Search

Looking For ? HOME ABOUT ACCOUNTABILITY WHERE IS THE MONEY GOING? OPPORTUNITIES NEWS FAQs & RESOURCES CONTACT US SITE INDEX

WHAT IS RECOVERY.GOV?
This website was created under the Recovery Act to show the American public how Recovery funds are being spent by recipients of contracts, grants, and loans, and the distribution of Recovery entitlements and tax benefits.
[Get Started >>](#)


OVERVIEW OF FUNDING

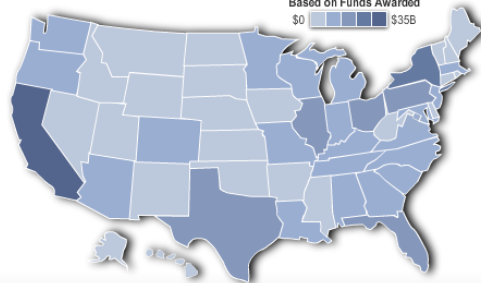
The American Recovery and Reinvestment Act of 2009 distributes funds in three ways. Since its enactment in February 2009, \$772B has been paid out.

Tax Benefits	\$290.7B
Contracts, Grants and Loans	\$244.8B
Entitlements	\$236.5B

Source | Text View of Funding | As of 11/02/2012

FUNDING FOR FEDERAL CONTRACTS, GRANTS AND LOANS
February 17, 2009 - September 30, 2012

Based on Funds Awarded
\$0  \$35B



Roll over map to see Recovery data. Click on a state for more details. [Territories](#)

Source | Text View of Map Data | As of 10/30/12

See Projects in your Neighborhood

Zip

 **MAP GALLERY**

REPORT FRAUD, WASTE & ABUSE



- Visualizations to help understand data
- Great visuals can change the world (Florence Nightingale's visualizations of infection)
- We connect large numbers to personal experience
- www.visualbudget.org

Making the Federal Budget Easy to Understand: Visual Budget

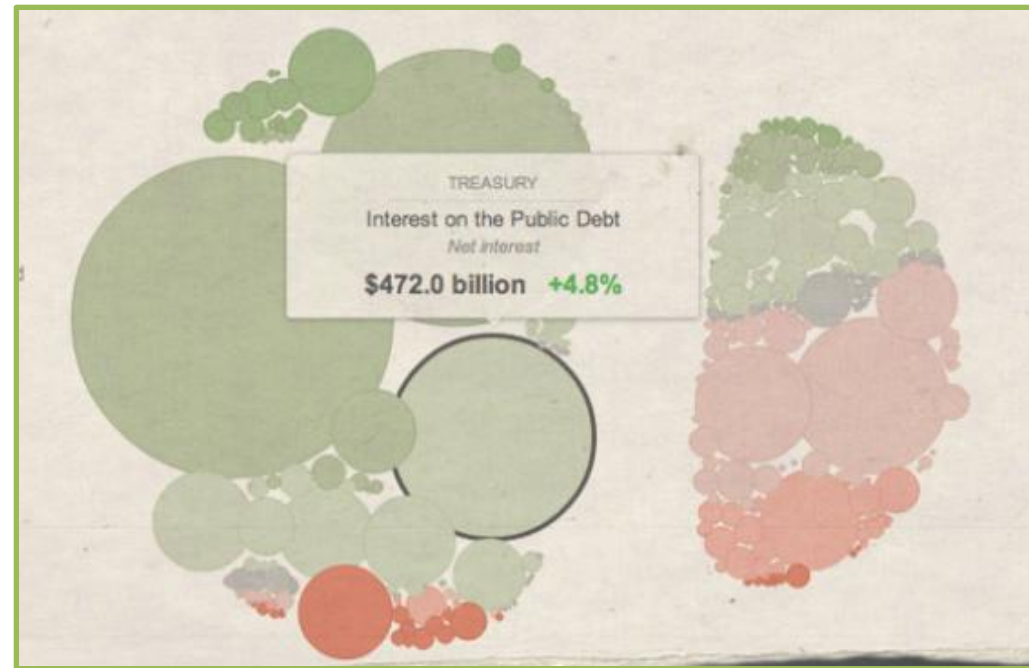
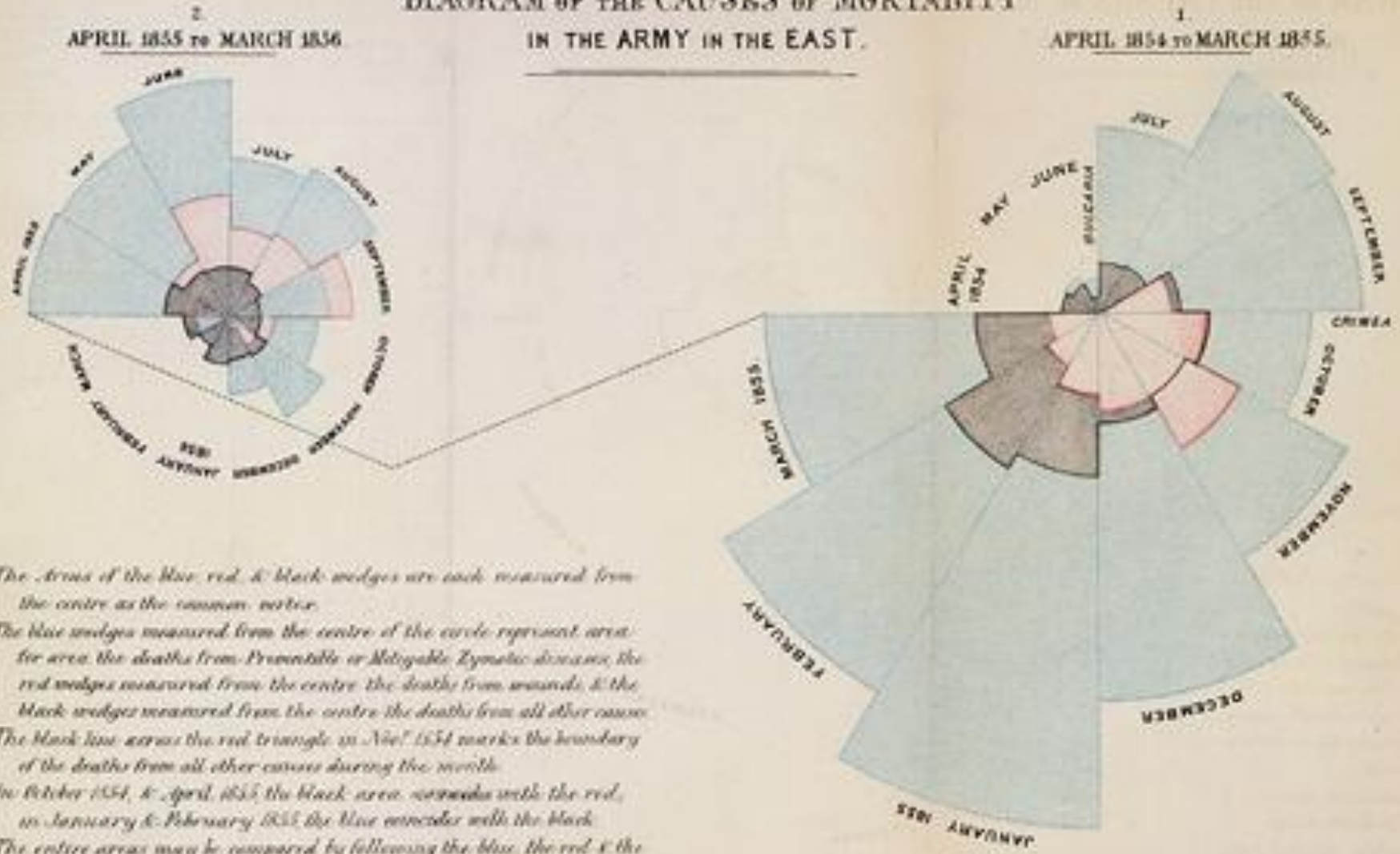


DIAGRAM OF THE CAUSES OF MORTALITY IN THE ARMY IN THE EAST.



The areas of the blue, red, & black wedges are each measured from the centre as the common vertex.

The blue wedges measured from the centre of the circle represent area for area the deaths from Promotable or Mitigable Zymotic diseases, the red wedges measured from the centre the deaths from wounds, & the black wedges measured from the centre the deaths from all other causes.

The black line across the red triangle in Novr 1854 marks the boundary of the deaths from all other causes during the month.

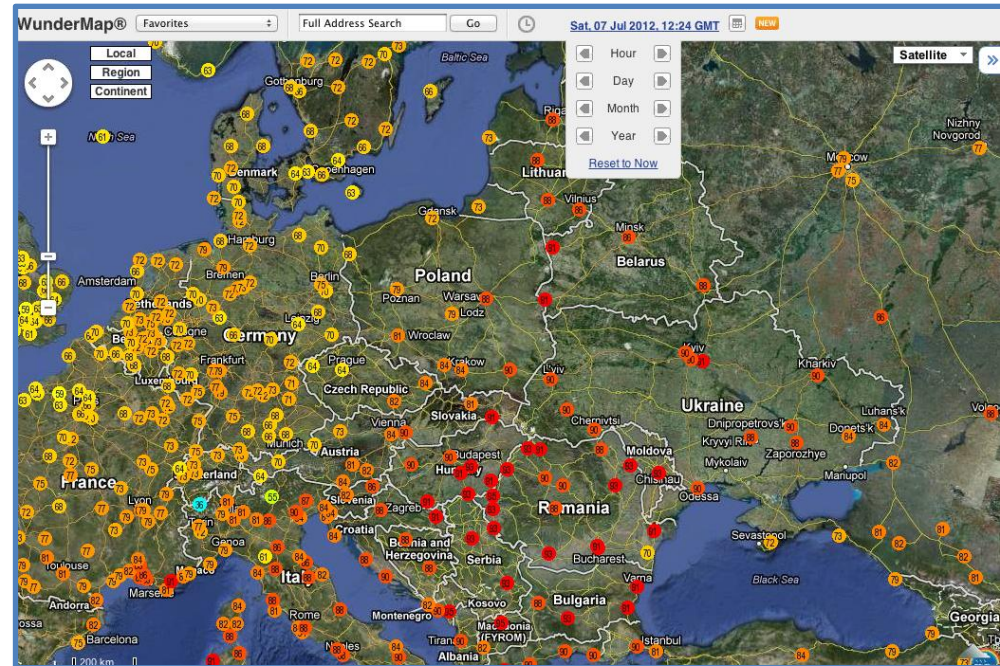
In October 1854, & April 1855 the black area coincides with the red, in January & February 1855 the blue coincides with the black.

The entire areas may be compared by following the blue, the red & the black lines, making them

***Creating a Multi-
Billion Dollar
Industry***

Weather Underground

- Severe weather warnings allow people to react appropriately to threats
- Internationalization: MeteoAlarm (EUMetNet)
- Need shared models and standards
- www.wunderground.com



Crowdsourcing Data

- Kat Townsend at USAID had a great idea
 - Develop apps to increase food security
 - “Crowdsourcing the questions and crowdsourcing the solutions”
 - Three Ideation Jams → Code-a-thon and a Data Palooza
 - 10,000 data entries corrected with 145 volunteers in 16 hours with 85% accuracy
 - <http://idea.usaid.gov/g8>



USAID
FROM THE AMERICAN PEOPLE

Unsaved View [Revert](#) Changes to the data below are saved automatically. Filters and searches cannot be saved to a working copy. Based on the working copy of Jamaica USMD Crowdsourcing Data, a published dataset.

Find in this Dataset

[Edit](#) [Manage](#) [Filter](#) [Export](#) [About](#)

	Assigned To	Status	Claimed At	Transaction Report	Country Name	Original Location	Admin 1
1	shroberts@usaid.g	Assigned	03/30/2012 06:09:2	244225	Jamaica	00 National Commercial Bank May Pen Clarendon	
2	shroberts@usaid.g	Assigned	03/30/2012 06:09:2	244237	Jamaica	00 National Commercial Bank Savanna-La-Mar Westmorland	
3	shroberts@usaid.g	Assigned	03/30/2012 06:09:2	244238	Jamaica	00 National Commercial Bank Savanna-La-Mar Westmorland	
4	shroberts@usaid.g	Assigned	03/30/2012 06:09:2	244257	Jamaica	00 National Commercial Bank Unstead St. Catherine	
5	shroberts@usaid.g	Assigned	03/30/2012 06:09:2	244216	Jamaica	00 National Commercial Bank Unstead St. Catherine	



[« Home](#)


You are not currently logged in. [Log in.](#)

Rabble: Sign up to help!


You rock: You're a part of history with USAID's first-ever external crowdsourcing event!

- [Read through the instructions](#) for the steps about cleaning the data: this includes how to get help via our Skype channel .
- *Make the lawyers happy:* By registering you affirm that volunteering does not indicate any employment relationship with USAID or USG, that you will receive no compensation and that by volunteering you waive any and all claims against the USG with respect to your services.

You are not logged in. [Click here](#) to log in now.

If you don't already have an account on opendata.test-socrata.com or another  **Socrata** powered data site, please [sign up for one now](#) and then return to this site.

Admin: [Status](#) | [Lockdown](#) | [View Dataset](#)

Powered by  **Socrata**

[« Home](#)

You are not currently logged in. [Log in.](#)

Rabble: Sign up to help!

You rock: You're a

- [Read through](#) Skype channel
- [Make the lawyer](#) relationship will waive any and

You are not logged in

If you don't already have a profile on the site, please [sign up for](#)

Admin: [Status](#) | [Lockdown](#)

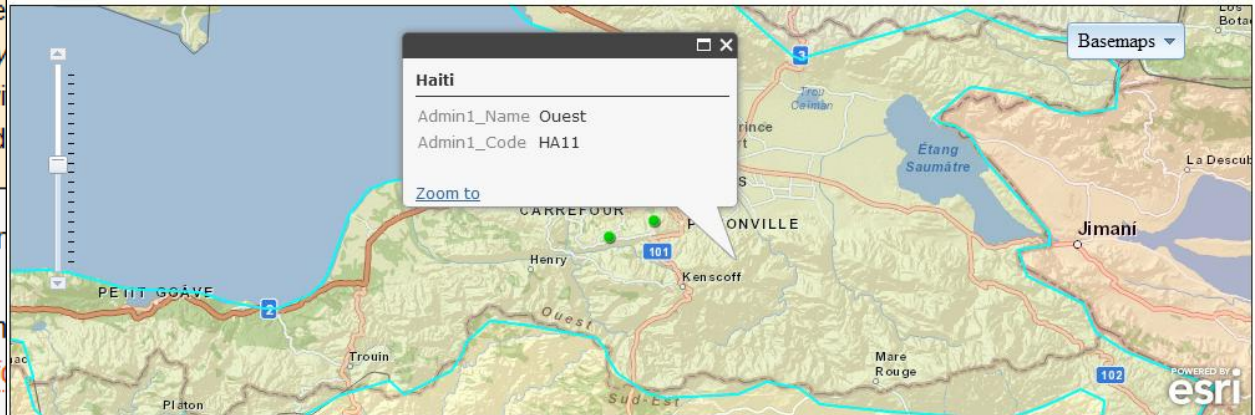


USAID Crowdsourcing Tool

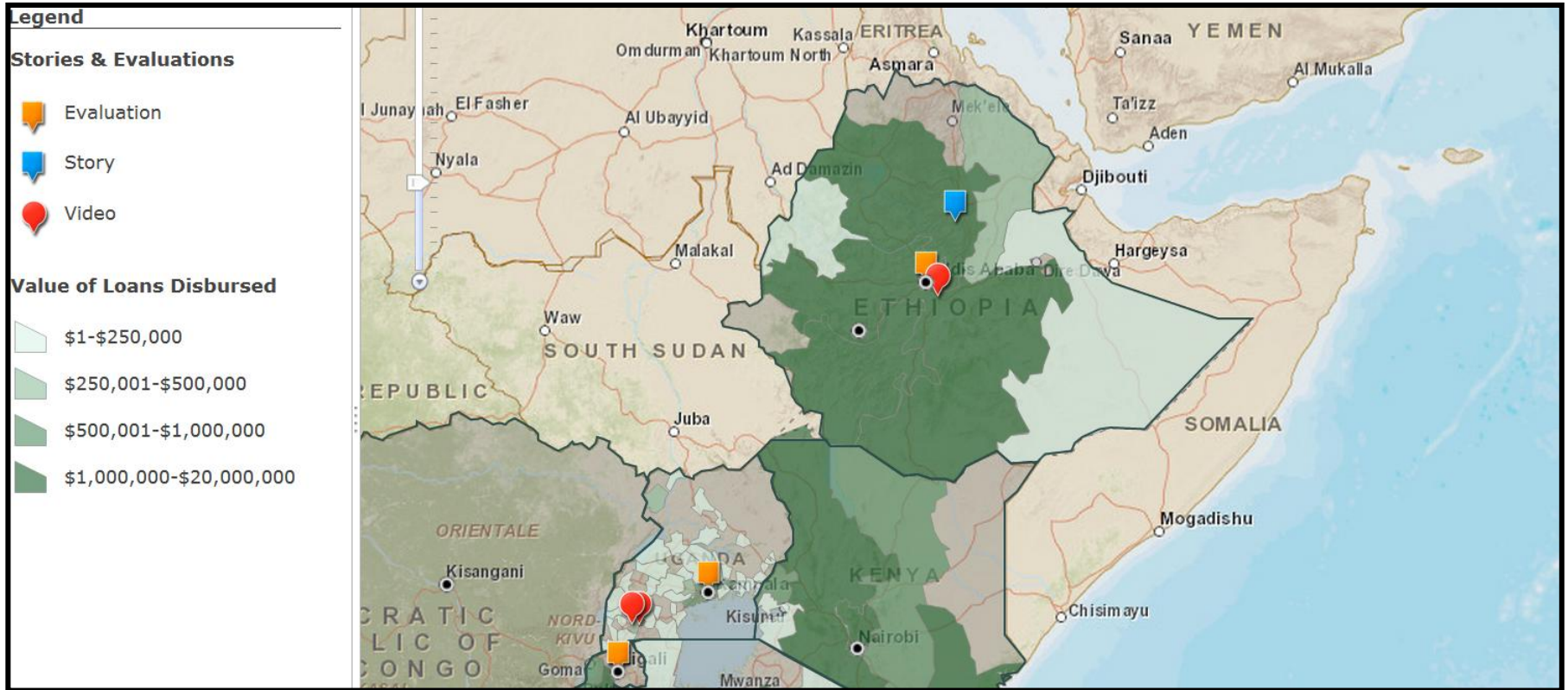
Place name or address:

Port au Prince, Haiti

Search



▲ OID	Name	Admin 1	Country	Type	Description	Latitude	Longitude
0	Port-au-Prince	Ouest	Haiti	capital of a political entity	Port-au-Prince, Ouest, Haiti	18.53917	-72.335
1	Port-au-Prince	Ouest	Haiti	third-order admin division	Port-au-Prince, third-order admin division	18.51667	-72.31667

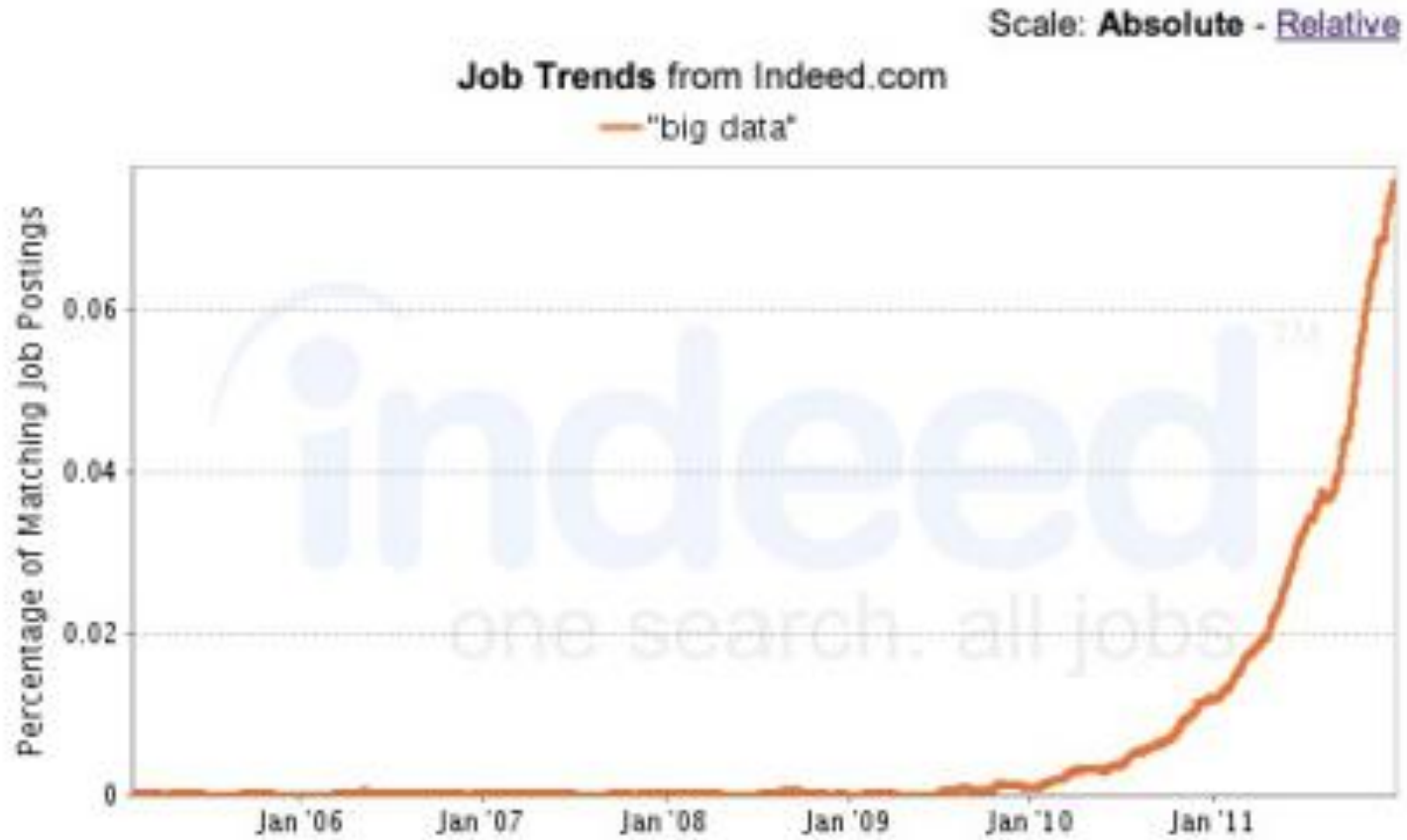


<http://www.usaid.gov/results-and-data/progress-data/data/dca>

Map at: <http://storymaps.esri.com/stories/usaidcredit/>

***Looking for work or
funding?***

"big data" Job Trends



***Not Sure Where to
Get Started...***

Challenge.Gov— Investing in Innovation

- Stimulate private sector investment
- Improve skills of the participants
- Hundreds of challenges
- Millions of dollars
- Provided by GSA



Race to the Rooftops

- Make it faster, easier, and cheaper to install solar panels on home throughout the nation
- \$10M in prizes over two years
- Department of Energy



Inspired by
SunShot
U.S. Department of Energy

Motorcoach Safety

- 4,000 people are killed and >100,000 people are injured each year in crashes with large trucks and buses
- Data from U.S. Department of Transportation's Federal Motor Carrier Safety Administration
- Challenge focuses on student entries



Take a breath...

Asthmapolis



ASTHMAPOLIS

Weekly report
January 24-31, 2011

This week
We expect poor air quality in Madison. Keep an eye on the weather.

Uncontrolled
Based on your frequent nighttime symptoms.

Tip for you
Talk with your physician about changing the timing of your evening dose.

Daily controller medication
Last week: 55%
This month: 45%

January 2011

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
S	S	M	T	W	Th	F

Your asthma this week

Asthma symptoms

	You	Community
Cough	25%	15%
Wheezes	20%	10%

[SEE YOUR SYMPTOMS](#)

Asthma triggers

	You	Community
Air pollution	30%	20%
Tobacco smoke	30%	15%

[SEE YOUR SYMPTOMS](#)

***Have you ever
saved a life?***

***What if you could
help save 7,000,000
lives?***

iTriage



Data.Medicare.gov

Home | Create an Account on Data.Medicare.gov | Sign In to Data.Medicare.gov

[Hospital Compare](#) |
 [Dialysis Facilities](#) |
 [Home Health Agencies](#) |
 [Helpful Contacts](#) |
 [Nursing Home](#) |
 [Medical Equipment Suppliers](#)

Unsaved View | Save As... | Revert |
 139 More Views | Filter | Visualize | Export | Discuss

Based on **Survey of Patients' Hospital Experiences (HCAHPS)**
A list of hospital ratings for the Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS). HCAHPS is a

	Hospital Name	Address 1	City	Phone Number	Percent of patients who reported th	Percent of patients who repo
1	VIRGINIA MASON MEDICAL CENTER	1100 NINTH AVENUE (PO BOX 9	SEATTLE	2062236600	3%	
2	SWEDISH MEDICAL CENTER/CHERRY H	500 17TH AVENUE	SEATTLE	2063202000	4%	
3	GROUP HEALTH CENTRAL HOSPITAL	201 - 16TH AVENUE EAST	SEATTLE	2063263000	5%	
4	NORTHWEST HOSPITAL	1550 NORTH 115TH STREET	SEATTLE	2063640500	6%	
5	SWEDISH MEDICAL CENTER	747 BROADWAY	SEATTLE	2063866000	6%	
6	UNIVERSITY OF WASHINGTON MEDICAL	1959 NE PACIFIC ST	SEATTLE	2065983300	4%	
7	HARBORVIEW MEDICAL CENTER	325 9TH AVENUE	SEATTLE	2067313000	7%	

Moving Open Data Forward

The Path Ahead

- Bring data up and out of government to the public ★
- Make data accessible and linked ★★☆☆☆
- Create communities to understand and apply data
- Connect and collaborate with small businesses, industry, and academia to drive innovation
- Continue to develop OGPL with community development
- Share with others to understand global issues

*We need to securely architect our systems
for interoperability and openness from conception.*







































—Digital Government

U.S. States	U.S. Cities and Counties	Agencies and Subagencies	International
35	19	180	35

A Global Movement Has Begun to Provide Transparency and Democratization of Data



Don't see your site?
Update via @usdatagov

 United States	 Argentina	 Australia	 Austria	 Bahrain	 Belgium	 Brazil	 Canada
 Chile	 Denmark	 Estonia	 Finland	 France	 Germany	 Greece	 Hong Kong
 Ireland	 Italy	 Kenya	 Mexico	 Moldova	 Morocco	 Netherlands	 New Zealand
 Norway	 Peru	 Republic of Korea	 Russia	 Saudi Arabia	 Singapore	 Spain	 Timor-Leste
 Tunisia	 United Arab Emirates	 United Kingdom	 Uruguay	 OECD	 United Nations	 World Bank	

***What if you could
change the world?***

Change is Happening...



What Will You Do?



***Let's work together to set the
data free!***

**www.Data.Gov
@usdatagov**

**jholm@jpl.nasa.gov
@JeanneHolm**