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*Safety.Data.Gov*

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# Overview of **Safety.Data.Gov**

The Safety Data Community of Data.Gov



# Where did it come from?



- **Data Communities to Spark Breakthroughs for National Priorities**
  - Support *Strategy for American Innovation*
  - Generate solutions to well-defined problems of national importance
  - New focuses include:
    - Education
    - Research & Development
    - Public Safety
- **Harness American ingenuity through data.gov communities**
  - Connect data users with producers
  - Simplify access to high-value data
  - Inform innovators and private sector about opportunities through challenges, prizes, competitions



**Safety.Data.Gov empowers people to make informed decisions about their safety and the safety of others.**

### ***Who is it for?***

- Federal Agencies
- Developers
- Entrepreneurs
- First responders
- Private citizens
- Safety associations
- State and local governments

### ***Who else is involved?***

- Data journalists
- Researchers
- State and local Chief Information Officers



# Implementation

Safety.Data.Gov will empower people to make informed decisions about their safety and the safety of others.

## *How will we do it?*

- Blog when we release new data to the community
- Feature data sets and problems that need solving through the community
- Include more than data – list applications, software, and tools
- Highlight research and news items that makes use of the data
- Partner with organizations like **you** to promote the site and encourage its use

## *How can people get involved?*





# Safety.Data.Gov – At Launch

- Brings together data around public safety issues, from crime statistics to food safety to product recalls
  - 713 datasets
  - 4 mobile apps
  - 14 resources and public domain software tools
  - 3 current challenges
  - Hard launched May 16 with a “Back of My Napkin” Data Dive – results in September
- 8 departments and independent agencies participating, led by DOT





# Data Categories – Getting Started



- Lots of different terminology
- Lots of different keywords
- Something like 20 categories, and we didn't even have any other agencies!



- Abstract “top-level” categories as much as possible
- Use Transportation Reference Thesaurus to improve keyword searching and findability



- Compliance, Violations and Enforcement
- Consumer Complaints
- Exposure Data
- Fatalities, Casualties, and Injuries
- Incidents and Crashes
- Locations and Characteristics
- Product Safety
- Recalls





# Where does the TRT help us?

## Pipeline Incident Data - Natural Gas Distribution Incident Data - 1970 to mid 1984 (Zip)

DATASET SUMMARY	
Agency	Department of Transportation
Sub-Agency/Organization	Pipeline and Hazardous Materials Safety Administration
Category	Transportation
Date Released	10/20/2006
Date Updated	08/31/2011
Time Period	1970-present
Frequency	On-going
Description	As used in pipeline safety regulations, an incident is an event occurring on a natural gas pipeline for which the operator must make a report to the Office of Pipeline Safety. Events of similar magnitude affecting hazardous liquid pipelines are considered accidents. These data contain distribution, transmission, and liquid accident and incident data in a text table format and are used to develop Pipeline Incident and Mileage Reports.

DATASET INFORMATION	
Data.gov Data Category Type	Raw Data Catalog
Specialized Data Category Designation	Research
Keywords	pipeline, safety, natural gas, distribution, transmission, hazardous, liquid, accident, incident
Unique ID	5647

Download options:

- XLS
- KML/KMZ
- Shapefile
- Maps
- RDF
- PDF







# Data Categories – Adding More Agencies

## *Start With...*

- Compliance, Violations and Enforcement
- Consumer Complaints
- Exposure Data
- Fatalities, Casualties, and Injuries
- Incidents and Crashes
- Locations and Characteristics
- Product Safety
- Recalls



- Can your data set be filed under one of these categories?
- If not, propose a new category
  - Don't get too granular
  - Avoid jargon



# Data Categories – Where We Are Today

**Compliance,  
Violations, &  
Enforcement**

**Environmental  
Consequences**

**Law Enforcement  
Data**

**Consumer  
Complaints**

**Exposure Data**

**Locations &  
Characteristics**

**Corrections Data**

**Fatalities,  
Casualties, &  
Injuries**

**Product Safety  
Data &  
Recalls Data**

**Court Data &  
Crime Data**

**Incidents &  
Crashes**

**Natural Hazards**



# What Agencies Are Involved Today?

Safety.Data.Gov has enjoyed widespread participation.





# What's Next? How to get involved?



- A joint effort between White House and U.S. Conference of Mayors (Technology & Innovation Task Force)
- What's coming: States.Data.Gov, Counties.Data.Gov
  - State of Illinois able to federate state data catalog, Cook County (IL) catalog, and City of Chicago catalog
  - Can search across catalogs
- Determining how to include in safety.data.gov



- A joint effort between the United States and India to open source the data.gov platform
- **YOU** can contribute code to help data.gov work better!
- Check it out at <http://www.opengovplatform.org/>



- Federal agencies are working to improve data release practices
- You will see a lot more Application Programming Interfaces (APIs)
- There's a need to provide good documentation of service calls and responses – strong data governance and metadata at the core of it