Big Data for Government Symposium

http://www.ttcus.com

Linkedin/Groups:
Technology Training Corporation

@TECHTrain
HHS Health Data Initiative

Damon L. Davis
U.S. Department of Health & Human Services,
Office of the Secretary,
IDEA Lab

Innovation, Design, Entrepreneurship & Action
Health care is a $2.8T industry in the U.S., 18% of our GDP and growing
We are now living in a health care system where **data** is driving change.
Data is changing...

- Payment reform
- Individual health interaction
- Treatment @ the point of care
In the Beginning...

In 2010 - 40 entrepreneurs around a table, 25 datasets, 90 day challenge... First Datapalooza!

4 Years later... Health Datapalooza IV - 2,000+ people

HealthData.gov has over 1,000 datasets cataloged

Disruption is happening - we see companies springing up led by entrepreneurs who know nothing about healthcare
CMS released charge data for most common in- and outpatient hospital procedures
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LAST 3 YEARS FOCUSED ON LIBERATING DATA

Changed the default setting for data from closed to open
OPEN DATA EXECUTION PLAN 5 GOALS:

Advancing HealthData.gov site

Highlighting departmental assets that support achieving HHS strategic initiatives

Educating new and existing, internal and external participants

Enabling and incentivizing the health data ecosystem

Implementing administration and departmental policies that foster openness
Advancing the HealthData.gov site

- Improving metadata quality for better usability
- Area of the platform for non-HHS data
- User feedback loops for better usability
- Developing and publicizing the ability to store and host HHS data
- Improve sort and search
State Data on HEALTHDATA.GOV

Data catalog has grown 397% in one year

Even more federal data coming soon

More opportunities to use health data

Incorporated data (green) from States: CO, MD, NY, IL, WA, HI, OR, OK, MO

Working to include (blue) from: CA, FL, TX, OH, MI, GA, NC
Highlighting departmental assets that support achieving HHS strategic goals

• Draft a working definition for “Strategically Relevant Data Assets” (SRDA) and generate a list of those HHS data assets

• Further drive the department’s culture change toward data openness

• Work with each HHS division on external outreach to broad as well as targeted specific ecosystem participants

• Increase the traffic to Healthdata.gov as the discovery zone for federal & state, and local health & human services data
Educating new and existing, internal and external participants

• Spotlighting the value of openly available health data to health care transformations

• Increasing the percentage of machine readable data assets

• Continuing and expanding external outreach

• Develop use cases and an internal marketing to enhance HHS workforce engagement to continue the culture shift toward an understanding of and appreciation for open data

• Insert the tenets of the HDI into IDEA Lab programs
Enabling and incentivizing the health data ecosystem

• Continue to publicize the availability of the data and draw attention to uses of the data in the transformation of health, healthcare, and the delivery of human services

• Seek new ways to engage entrepreneurs who may use the data as fuel for their business

• Develop relationships and support the needs of federal and non-federal data projects, data enclaves, repositories, and innovation test beds for more powerful analytic capabilities
Implementing administration and departmental policies that foster openness

- HDI Charter to institutionalize the Health Data Initiative
- Implement the Open Data Policy M13-13 – Managing Information as an Asset
- Draft plans to address the impacts of the Holdren Memo on Increasing Access to the Results of Federally Funded Scientific Research
- Clarifying the relationship of the Open Data Policy, Holdren Memo, and Executive Order for the implications of each individually and as contrasted with each other
More data
BLUE BUTTON

Patients can now **view, download and transmit** their health data

New **Public-Private Partnership** with Nation's largest **retail pharmacy chains**

New **rule** for direct access to **test results**

**Blue Button Connector**
What we’re liberating
CMS data becoming more accessible

Medicare Provider Utilization and Payment Data just released

Already have seen a number of insights and visualizations off of this data

New data enclave (Virtual Research Data Center)

More opportunities to do things with CMS data than ever before
OpenFDA Project

More data available in more useful formats via API and raw structured file download

- Recall data
- Adverse events
- Structured product labeling
NIH research manuscripts required to be online 1 year after publication

Public access policy expanded to all of HHS

Speed up translation of research findings

Liberating NIH data with Big Data to Knowledge Project

More potential with combination of multiple data streams
Learn more based on your industry

- Cities & Funders
- Healthcare
- Non-Profits
Join us June 1-3 in Washington, D.C.

Take advantage of discounted rates through March 31 at: HealthDatapalooza.org
PARTICIPATE IN CODE-A-PALOOZA 2014

Use Medicare Provider Utilization and Payment Data

$35k in total prizes

Timeline:
• April 9 – Code-a-Palooza opens for submissions
• April 17, 4:00-5:00 p.m. ET – Code-a-Palooza webinar
• April 25 – Visualization proposals of no more than 750 words due
• May 2 – Top five to ten finalists notified
• June 1-3 at Health Datapalooza – Finalists present a live demo to a panel of judges and winners are announced

More info at healthdatapalooza.org
HEALTH DATA INITIATIVE

WE NEED YOUR HELP

Help us disrupt the health care ecosystem

• Tell us what data you want to use
• Help us define a strategically relevant data set
• Share your data with us
• Tell us how you are using health data
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IDEALAB

INNOVATION  DESIGN  ENTREPRENEURSHIP  ACTION  @  HHS
“COME JOIN THE HHS IDEA LAB TEAM! APPLY TO BE THE NEXT HEALTH DATA INNOVATOR.”

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On the web at HealthData.gov & HHS.gov/idealab

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