



Community Health Data Initiative Discussion

National Committee on Vital and Health Statistics
December 1, 2010



Key HHS priority: Open Government



WEDNESDAY, JUNE 30, 2010

HHS.gov/Open

 Search

Font Size



OPEN GOV

EXPLORE. ENGAGE. ENLIGHTEN.

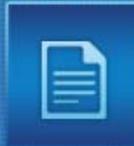
Data Sets



Tools



Our Plan



Discuss



Spotlight on

ClinicalTrials.gov : Linking Patients to Medical Research

Providing patients, family members, health care professionals, and members of the public easy access to information on clinical trials for a wide range of diseases and conditions. [More details...](#)



1 2 3 4 5

- [Home](#)
- [Data Sets](#)
- [Tools](#)
- [Our Plan](#)
- [FOIA](#)
- [Records Management](#)
- [Get Involved](#)
- [Discuss](#)
- [Leadership Contacts](#)

HHS's Open Government Plan: Version 1.1

Posted June 25, 2010 | Todd Park

I am very happy to announce the release of [version 1.1 of our Open Government Plan](#)!

It's an updated version of our Plan, reflecting comments and input we've gotten since the release of our initial Plan on April 7.

What's different about version 1.1? We've added more clarity, specificity, and depth of explanatory policy detail in multiple areas throughout the Plan. We've also included exciting updates on our work to

[Share Your Ideas](#)

[Our Open Government Plan](#)





The Community Health Data Initiative (CHDI)

- **Vision:** to help improve health by creating a growing “ecosystem” of community health data supply and use – modeled on what NOAA has done with weather data

The screenshot shows the NOAA website's 'Weather' section. At the top, there is a navigation bar with links for NOAA HOME, WEATHER, OCEANS, FISHERIES, CHARTING, SATELLITES, CLIMATE, RESEARCH, COASTS, and CAREERS. Below this is the NOAA logo and the text 'NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, UNITED STATES DEPARTMENT OF COMMERCE'. A search bar is located on the right side of the header.

The main content area is titled 'Weather' and includes a 'Weather.gov Forecast' section with a search box for 'City, ST' and a 'GO' button. Below this are several links: '>> Active Weather Alerts', '>> NOAA Organizations', '>> Working With NOAA', '>> Media & Constituents', and '>> NOAA in Your State'. There are also links for 'Budget Information' and 'Emergency Information for NOAA Employees'.

The 'Weather' section contains the following text: 'NOAA's weather programs touch the lives of every American. Every day, decisions are made based on NOAA weather information – from the mundane "should I pack an umbrella today?" to the most critical and potentially life-saving.' It also states: 'With the mission to protect life and property, and enhance the United States' economy, NOAA's [National Weather Service](#) is the sole official voice of the U.S. government for issuing warnings during life-threatening weather situations.'

Below this is a paragraph: 'Covering the sun to the seas, the National Weather Service provides local and regional forecasts, and emergency alerts for [severe storms](#), [tornadoes](#), [hurricanes](#), [floods](#), [extreme heat](#), [winter storms](#), [fire threats](#), [tsunamis](#) and [solar flares](#). From its [national centers](#) to its 122 [Weather Forecast Offices](#) and 13 [River Forecast Centers](#), the National Weather Service is watching over the nation and your neighborhood.'

There is a 'Related Links' section with links for 'Past Weather Information', 'NOAA Weather Radio ALL HAZARDS', and 'StormReady/TsunamiReady Community Program'. A map of the United States is shown with a color-coded weather forecast, and a link for 'Click for Current Weather Warnings' is provided.

At the bottom right, there is a paragraph: 'Weather and climate sensitive industries in the United States account for about one-third of the nation's Gross Domestic Product. [Marine](#), [aviation](#) and [space](#) interests rely on National Weather Service information, alerts and warnings. In addition, NOAA has a responsibility to support the growth of an environmental information enterprise, a [partnership](#) between government, academia and the private sector.'

On March 11, we laid out an aggressive vision for the Community Health Data Initiative



Description

Sample Participants

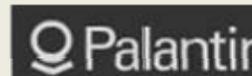
Release Data

- Provide a major infusion of free, easily accessible community health data from the government, the private sector and public crowd sourcing



Build Applications

- Encourage innovators to build applications across an array of high-potential uses of the data (e.g., maps, dashboards, search engine tools, games)



Catalyze Change

- Via these applications, increase awareness of community performance, spark action from consumers and decision makers, and help improve health



What happened next: publication of a CHDI data website + an explosion of innovation



90 days later: a stunning array of apps, built by a wide array of innovators, showcased on June 2



Modern Healthcare

THE ONLY HEALTHCARE BUSINESS NEWS WEEKLY

JUNE 7

HHS AND INSTITUTE OF MEDICINE UNVEIL COMMUNITY HEALTH DATA INITIATIVE

AN OPEN BOOK

Project taps government health data to improve care and IT systems / Page 6



With HHS Secretary Sebelius looking on, the IOM's Harvey Fineberg said the healthcare system needs to "make more creative and vigorous use of the data we generate now."

YouTube

Event: Community Health Data Initiative Launched (06/02/2010)

USGOVHHS

Subscribe



USGOVHHS — June 02, 2010 — The Community Health Data initiative is launched in a Forum at the Institute of Medicine, Washington, D.C. - June 2, 2010. Under the initiative, HHS health data will be

12,845 views

90 days later: a stunning array of apps, built by a wide array of innovators, showcased on June 2



Sonoma County Network of Care - for Healthy Communities

Library Links Legislate My Folder

Community Dashboard Promising Practices Service Directory

Healthy People 2010 : Progress Tracker

Healthy People provides a framework for prevention for communities in the U.S. Healthy People 2010 is a comprehensive set of key disease prevention and health promotion objectives. The health objectives and targets allow communities to assess their health status and build an agenda for community health improvement.

Sonoma County is interested in tracking its health progress using these key health indicators. The indicators presented below show how Sonoma County is measuring up to the Healthy People 2010 national health targets.

Tracker for Sonoma County [View the Legend](#)

2010 Targets	Current and Target	Data	Since Prior Period	Status
Access to Quality Health Services				
Children with Health Insurance	Current: 88.5 percent Target: 100 percent	88.5 100 Current Target		
People with a Usual Source of Health Care	Current: 93.4 percent Target: 85 percent	93.4 85 Current Target		
Cancer				

Health
Economy
Education
Government & Politics
Natural Environment
Public Safety
Social Environment

GETTING HEALTHY



**Adding
Fitness**



**Healthy
Weight**



**Smoke
Free**



Diabetes

Visit Our Other Health Sites

Network of Care - for Healthy Communities

Promising Practices Service Directory Library Links Legislate

Steps to a Healthier Salinas

Ranking	Effective Practice
Description	The Steps to a Healthier Salinas program, part of the CDC's Healthy Communities Program, works with schools, health care providers, work sites and community leaders to reduce the burden of chronic disease. In schools and the broader community, the program provides increased opportunities for nutritious food and physical activity and improved management of asthma and diabetes. Community Health Centers assisted with implementing a Patient Electronic Care System to improve self-management skills for patients with diabetes. The program targets Latino and low-income communities.
Goal / Mission	The Steps to a Healthier Salinas program aims to improve the health and quality of life for individuals at risk or diagnosed with diabetes, asthma, and obesity by addressing three primary risk factors - physical inactivity, poor nutrition, and tobacco use.
Results / Accomplishments	Through the Steps to a Healthier Salinas program, over 140 city, county and company policies were

Health
Economy
Education
Government & Politics

90 days later: a stunning array of apps, built by a wide array of innovators, showcased on June 2



Web Images Videos Shopping News Maps More

bing

new york presbyterian hospital

All Local Listings Wikipedia

RELATED SEARCHES

- New York Presbyterian Hospital Address
- New York Presbyterian Hospital Jobs
- New York Presbyterian Hospital Cornell
- New York Presbyterian Hospital InfoNet
- New York Presbyterian Hospital Employment
- Columbia Presbyterian Hospital New York
- Doctors New York Presbyterian Hospital
- Mercy Medical Center NY

YOUR SEARCH HISTORY

new york presbyterian

New York-presbyterian Hospital

[New York Presbyterian Hospital - Top NYC Doctors, ...](#) **OFFICIAL**

NewYork-Presbyterian Hospital is one the most comprehensive university...

NYP Careers Clinical Services
For Patients and Visitors For Professionals
View all Women's Health

[nyp.org](#)

PATIENT RATINGS

Rated over 8 (out of 10)
This hospital: 68%
State average: 57%
[hospitalcompare.hhs.gov](#)

NEARBY FACILITIES

- Memorial Sloan-Kettering Cancer Center
- Rockefeller University Hospital
- Hospital For Special Surgery
- Manhattan Eye, Ear And Throat Hospital

[NewYork-Presbyterian Hospital - Wikipedia, the free encyclopedia](#)

NewYork-Presbyterian Hospital is a prominent university hospital in New York City a two hy League medical schools: Columbia University's College of Physicians and ...

Awards and recognition · History · [NewYork-Presbyterian](#) ...

[en.wikipedia.org/wiki/New_York-Presbyterian_Hospital](#) · Wikipedia on Bing

90 days later: a stunning array of apps, built by a wide array of innovators, showcased on June 2



The screenshot shows the Google Hospital Finder interface. On the left, there is a filter section with a dropdown menu for "Provider Number" and an "Add condition" button. Below the filter is a table of hospital results. On the right, a map of New York City is displayed with a popup window for "BETH ISRAEL MEDICAL CENTER" showing performance metrics for heart and people friendliness.

Provider Number	Hospital Name	Address
100001	SHANDS JACKSONVILLE	655 W 8TH ST JACKSONVILLE FL 32201
100002	BETHESDA MEMORIAL HOSPITAL	2915 SOUTH SEACREST BLVD BOYNTON BEACH
100006	ORLANDO REGIONAL HEALTHCARE	1414 S KUMH AVE ORLANDO FL 32801
100007	FLORIDA HOSPITAL	901 E ROLLINS ST ORLANDO FL 32801

BETH ISRAEL MEDICAL CENTER

Heart Friendly?

- Aspirin on Heart Attack Arrival: 95%
- Beta-blockers on Heart Attack Discharge: 97%
- Heart Attack 30-Day Mortality: 13.3%
- Angioplasty within 90 minutes: 80%

People Friendly?

- Nurses always communicate well: 65%
- Docors always communicate well: 73%
- Patients who would recommend this hospital: 60%
- Pain always well controlled: 61%
- Quiet at night: 48%

90 days later: a stunning array of apps, built by a wide array of innovators, showcased on June 2



Triage iTriage Now Available Free on iPhone, Android & More

Symptoms Diseases Procedures Providers Cough, Dr. Jones

Physician or Facility Name (optional) Disease or Procedure (optional) Near (Address, City, State or Zip)

Medical Provider Search R

Facility Category

- Emergency Department
- Urgent Care
- Retail Clinic
- Pharmacy
- Community Health Centers

Physician

[JOSEPH M. SMITH COMMUNITY HEALTH CENTER AT ALLSTON](#)
287 Western Ave, Allston, Massachusetts 02134-1010 - 1.2 miles away
Gov. Funded Health Clinics

[CAMBRIDGE FAMILY YMCA](#)
7 Temple St, Cambridge, Massachusetts 02139-2403 - 1.7 miles away
Gov. Funded Health Clinics

[THE VISION CENTER AT JOSEPH M. SMITH COMMUNITY HEALTH](#)

90 days later: a stunning array of apps, built by a wide array of innovators, showcased on June 2



The screenshot shows a mobile application interface for comparing two cities, New York and Boston, across five different metrics. Each metric is represented by a card with an icon, a value, and a label. The cards for New York are dark blue, while the cards for Boston are light blue. The Well-Being Index card for Boston is highlighted in red and labeled "LOSS".

City	Smoking	Diabetes	Unemployment	Obesity	Well-Being Index
New York	18.7	?	?	?	?
Boston	19.8% (LOSS)	5.6%	2.7%	17.8%	68%

Below the cards, there is a question: "Is the city or area where you live getting better or worse as a place to live?" with a right-pointing arrow. To the right of the arrow, it says "Track your well-being and compare your score to your friends." with a "Get Score" button.

At the bottom, there is a Twitter icon and the text: "Twitter: listen to the conversations happening now."

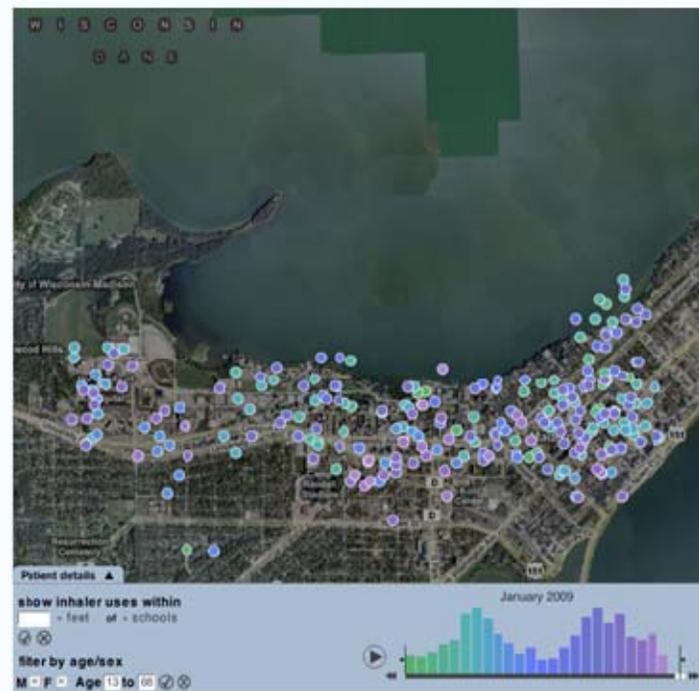
90 days later: a stunning array of apps, built by a wide array of innovators, showcased on June 2



Inhalers use GPS to anonymously track time and location of use...



...aggregating to identify outbreaks and aid in treatment of patients

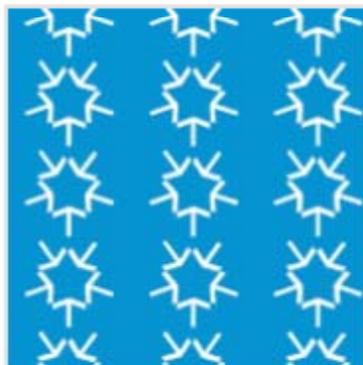


Also launched on June 2: the Health 2.0 Developer Challenge at www.Health2Challenge.org



[About](#) [Challenges](#) [Teams](#) [People](#) [Resources](#) [LIVE CODE!](#) [Partners](#) [Sponsor](#) [Gallery](#) [In the News](#) [Blog](#)

Teams



- *12 challenges issued to date by different organizations (govt, private, foundation)*
- *Attracting 400+ developers and 95 teams as registered competitors*

On October 7, sponsors of the first six challenges announced winning applications at Health 2.0



MARKLE

pioneer

Robert Wood Johnson Foundation



County Health Rankings

Mobilizing Action Toward Community Health



snaptic



Move Your App!
Developer Challenge

pioneer

Robert Wood Johnson Foundation



**CALIFORNIA
HEALTHCARE
FOUNDATION**

In addition, health “code-a-thons” held in Silicon Valley to stimulate developer interest in working with health data



Also on October 7: “Blue Button” formally launched by VA and HHS



MyHealthVet website interface showing navigation tabs (HOME, PERSONAL INFORMATION, PHARMACY, RESEARCH HEALTH, GET CARE, TRACK HEALTH, MY COMMUNITY, SECURE MESSAGING) and a 'Personal Information' section with a 'Download your data' button.

MyMedicare.gov website interface showing a 'Personal Profile' for Nancy Hoyle with fields for Name, Address, Date of Birth, Gender, Weight, Blood Type, and Part A/B Effective Dates.

To date, 120,000 people have downloaded their data

Fueling the emerging “health data ecosystem” – with ever more data, made ever more accessible



Additional HHS Data Commitments

- 1** New HHS Health Indicators Warehouse, announced 6/2010 and launching 1/2011 – and to be made available via both a website and an “API”
- 2** Provider COMPARE APIs (data.medicare.gov), National Library of Medicine API portal: launched 9/2010
- 3** Insurance product data from HealthCare.gov: coming soon
- 4** Continuously expanding inventory of HHS data put online, for free public download/access (as per HHS Open Government Plan, hhs.gov/open)
- 5** *HEALTHDATA.GOV*, new data and community “one-stop resource” -- coming 1/2011



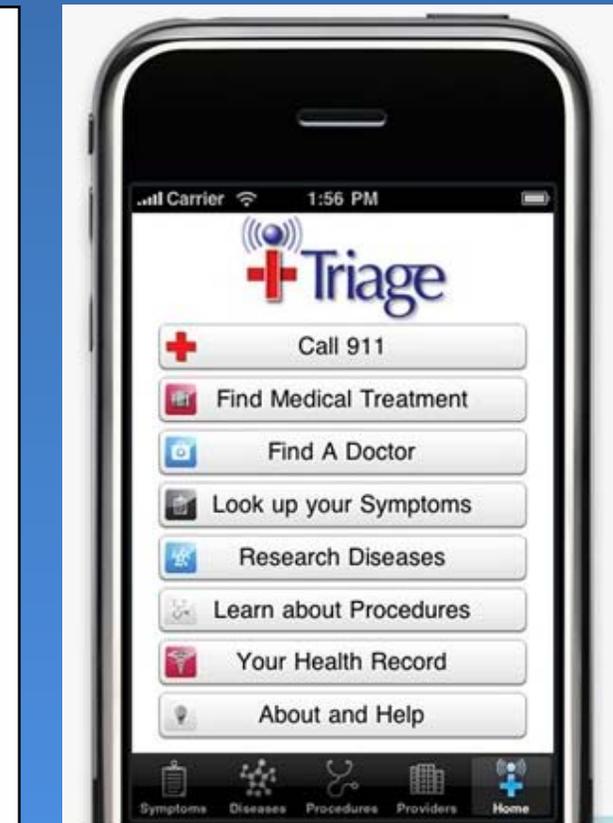
And continuing to work to get more and more innovators involved in the ecosystem

- **Annual Open Health Data meeting** (June 2011), to be convened with the Institute of Medicine
- **Health 2.0 Developer Challenge** continues – next round of challenges to be announced in December and more “code-a-thons” planned for 1Q and 2Q 2011
- Upcoming HHS **Health Data Journalism workshop**
- Continuous work to **market our data to innovators** who can turn it into applications that help consumers, providers, employers, community leaders, etc. make better decisions

The goal: a “self-propelled” ecosystem of health data supply and use that creates escalating benefit – this is already beginning to happen



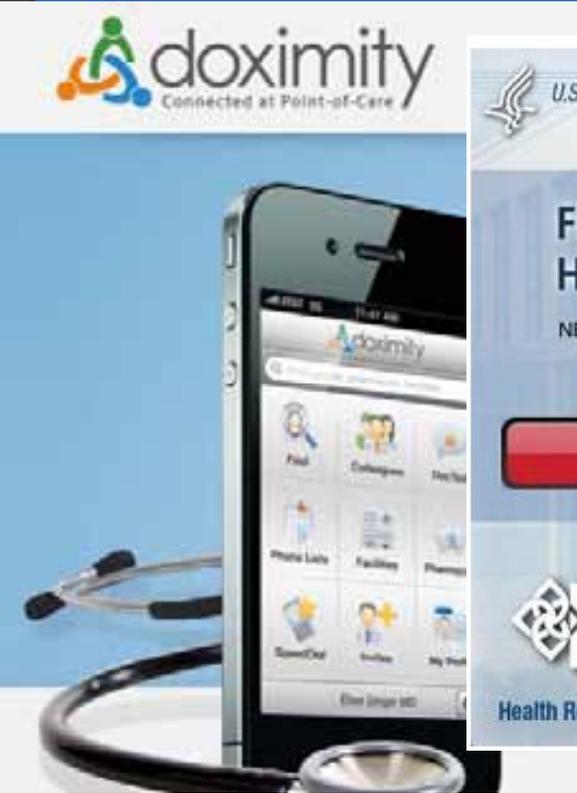
Example: expanding use of apps developed thus far



The goal: a “self-propelled” ecosystem of health data supply and use that creates escalating benefit – this is already beginning to happen



Example: more new app/feature development work from a growing array of innovators



The goal: a “self-propelled” ecosystem of health data supply and use that creates escalating benefit – this is already beginning to happen



Example: private sector organizations beginning to contribute free and open data to the ecosystem



About the well-being data

The Gallup-Healthways Well-Being Index is the first-ever daily assessment of U.S. residents' health and well-being. By interviewing at least 1,000 U.S. adults every day, the Well-Being Index provides real-time measurement and insights needed to improve health, increase productivity, and lower healthcare costs.

Public and private sector leaders use data on life evaluation, physical health, emotional health, healthy behavior, work environment, and basic access to develop and prioritize strategies to help their communities thrive and grow. Journalists, academics, and medical experts benefit from this unprecedented resource of health statistics and behavioral economic data to inform their research and reporting.

Data Files [Methodology \(PDF\)](#)

CSV Format

Download:

- [2009 WBI Aggregate by Congressional District](#)
- [2009 WBI Aggregate by State](#)
- [2009 WBI Aggregate by Metro/Micro Statistical Area](#)