

mHealth and Emergency Services

- EMS transmission of medical information
- Cell phone access to personal health information
- Emergency messaging/alerts
- Health messaging: Public service announcements
- Communication with rural health workers



Pre-Hospital Wireless Vital Signs



mVisum

STEMI Alert System

*Medical Data Delivered
... Anytime, Anywhere*

June 17, 2009

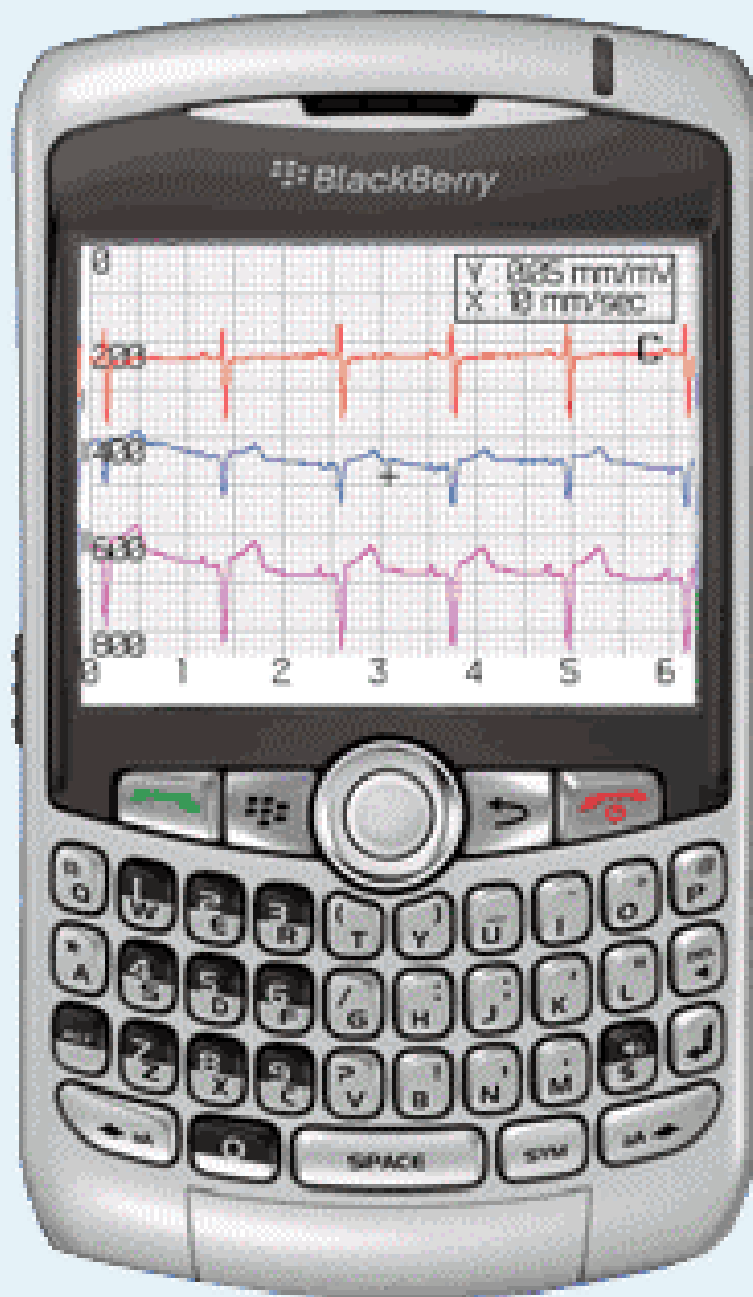
 **BlackBerry.**
Alliance Member

mVisum, Inc.

Equipment: Mortara ELI 10 Electrocardiograph

- Compact & Lightweight
- High Resolution Backlit Display
- Auto ECG Interpretation
- One Touch ECG Acquisition and Transmission Buttons
- Built-in GSM/GPRS Transmission (no separate cell phone required)
- Rechargeable





EMR access on Cell Phones

The screenshot shows an iPod touch interface for an EMR application. At the top, the status bar displays 'iPod', signal strength, 'VPN', the time '10:16 AM', and battery level. Below the status bar is a navigation bar with a 'Back' button and the title 'Patient Summary'. The patient information section includes the name 'GREGORY, SMITH', age '10y3m Male', address '123 NORTH AVE. CHICAGO, IL 60632', and phone number 'H (773) 566-6666'. The 'Problems' section lists 'Normal Routine History And Physical Well-child (6 - 12) (V20.2)' and 'Asthma (493.90)'. The 'Medications' section lists 'PredniSONE 20 MG Oral Tablet, #210, TAKE AS DIRECTED., NO REFILLS'. The 'Past Medical History' section lists 'History of Tonsillectomy', 'History of Treatment Hip Dislocation', 'History of Treatment Of Hip Fracture', and 'History of Hip Joint Arthrodesis Left'. At the bottom is a dock with four icons: 'Summary' (person icon), 'Write Rx' (Rx icon), 'ER' (ER icon), and 'Document' (document icon).

iPod 10:16 AM

Patient Summary

GREGORY, SMITH 10y3m Male
123 NORTH AVE. 11-Dec-1998
CHICAGO, IL 60632 H (773) 566-6666

Problems

Normal Routine History And Physical Well-child (6 - 12) (V20.2)
Asthma (493.90)

Medications

PredniSONE 20 MG Oral Tablet, #210, TAKE AS DIRECTED., NO REFILLS

Past Medical History

History of Tonsillectomy
History of Treatment Hip Dislocation
History of Treatment Of Hip Fracture
History of Hip Joint Arthrodesis Left

Summary Write Rx ER Document

On Line Personal Health Record

AT&T 11:37 PM

Profiles **Record**

Continuity of Care Record

Date Created: Thu Feb 12, 2009 at 05:36 AM UTC
 From: (PHR)
 To:
 Purpose:

Patient Demographics

Name	Date of Birth	Gender	State	City	Zip	Address	Phone
Google Health Profile							

Alerts

Type	Date/Code	Description	Reaction/Source
Allergy	678-1 (JDB) & 10814 (Google)	Penicillin	-Sensit

Functional Status

Type	Date/Code	Description	Status	Source
Pregnancy status		Not pregnant		
Breastfeeding status		Not breastfeeding		

Problems

Type	Date/Code	Description	Status	Source
	1285 (FDB) 372.9 (ICD9_Broad) 771.6 (ICD9_Narrow) 9.3602 (Google) 372.39 (ICD9)	Conjunctivitis	ACTIVE	
	595 (FDB) V58.67 (ICD9_Broad) V65.46 (ICD9_Narrow) 9.14581 (Google)	Type 1 Diabetes	ACTIVE	

Procedures

Type	Date/Code	Description	Location	Sub-Status	Method	Positive	SB	Status	Source
	3.1087 (Google) 44960 (CPT)	Appendectomy							

Medications

Medication	Date/Code	From	Strength	Quantity	Unit	Individual	Notes	Status	Source
Insulin Detemir	ACTIVE					Site the skin			

Immunizations

Code	Vaccine	Date	Route	Site	Source
3.10882 (Google)	HPV (Human Papillomavirus) Vaccine, Quadrivalent				
3.4762 (Google) 86707 (CPT)	Measles/Mumps/Rubella (MMR) Vaccine				

Vital Signs

Vital Sign	Date	Result	Source
Weight	40	kg/88	
Weight	102.50	kg/226.5lb	
Weight	100	kg/220	
Weight	57.88	kg/127.6lb	
Blood An Type			

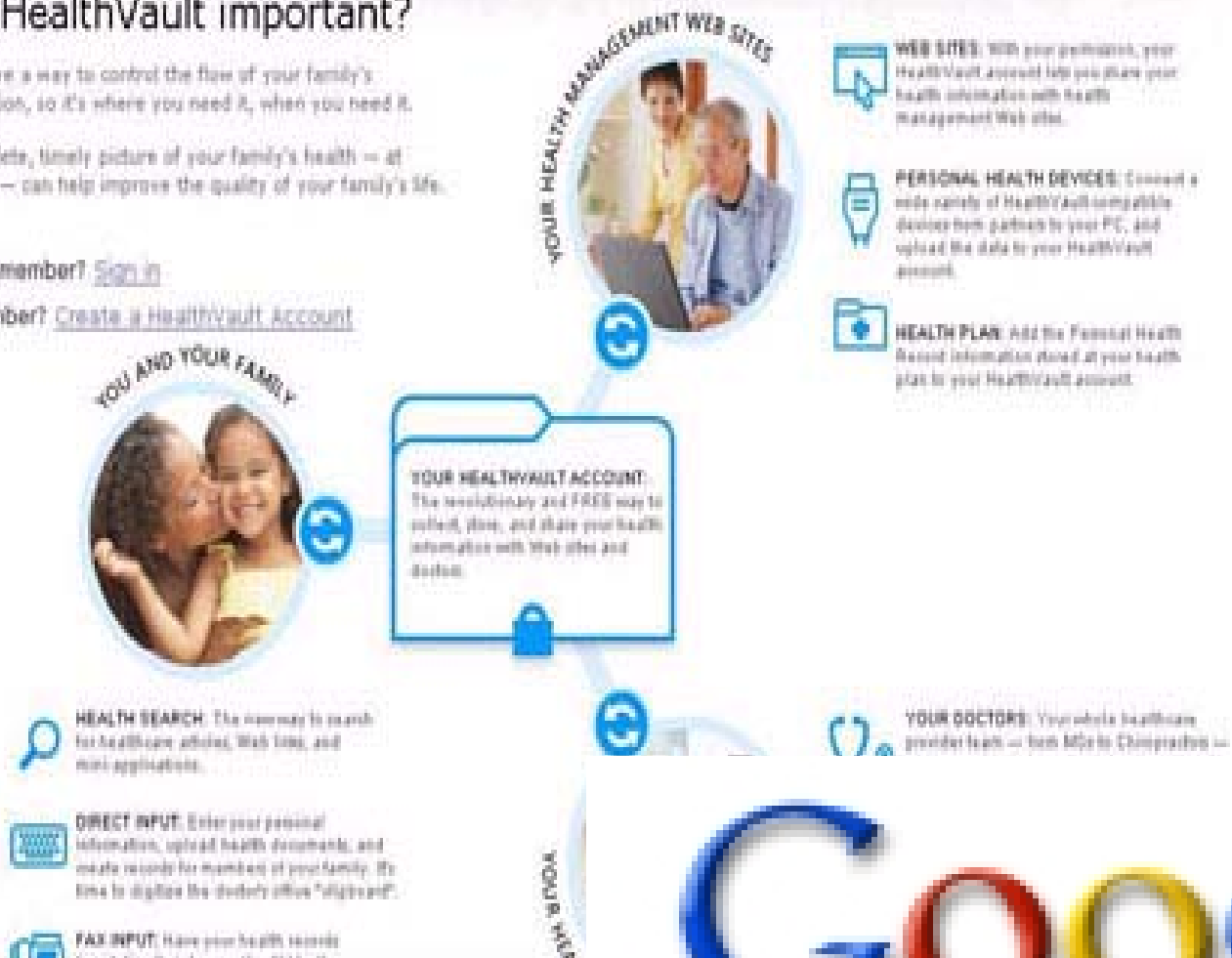
Social History

Why is HealthVault important?

Finally, you have a way to control the flow of your family's health information, so it's where you need it, when you need it.

Having a complete, timely picture of your family's health — at your fingertips — can help improve the quality of your family's life. Here's how:

- Already a member? [Sign in](#)
- Not a member? [Create a HealthVault Account](#)



CDC Mobile Health Coalition: www.cdc.gov/mobilehealth

Utilize mobile technologies for health information, dissemination, surveillance and data collection, and health and safety interventions

CDC Home
Centers for Disease Control and Prevention
Your Online Source for Disease Health Information

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CDC Mobile Health Coalition

Positive Health Outcomes Through Mobile Technology

The CDC Mobile Health Coalition (MHC), launched in July 2008, is a CDC-wide work group involving staff interested in using mobile applications (mobile phones, PDAs, other mobile computing and telecommunication devices) to improve the health, safety and preparedness of people around the world. Its purpose is to optimize CDC's ability to utilize mobile technologies for health information dissemination, data collection, and health and safety interventions.

[Home about the CDC Mobile Health Coalition](#)

Mobile Health Fast Facts

Mobile Phone Penetration among US Adult Consumers, by Age, July 2007 (% of respondents in each group)

18-24	85%
25-34	82%
35-44	80%
45-54	78%

Source: InsightExpress, "Mobile Ad Research Results" provided to iMarketer, September 16, 2007
087542 www.iMarketer.com

News & Announcements

CDC News

- New Available: CDC Mobile Web Site With Hurricane Recovery Information
- CDC Shows the Way on Health Promotion via Texting

Other News

- Mobile Health Initiative Expands to Over 30 Countries in Africa

[More News & Announcements](#)

Resources

- CDC Division of Health Marketing: Mobile Technologies
- Texting & Health Resources Page (Stanford University)

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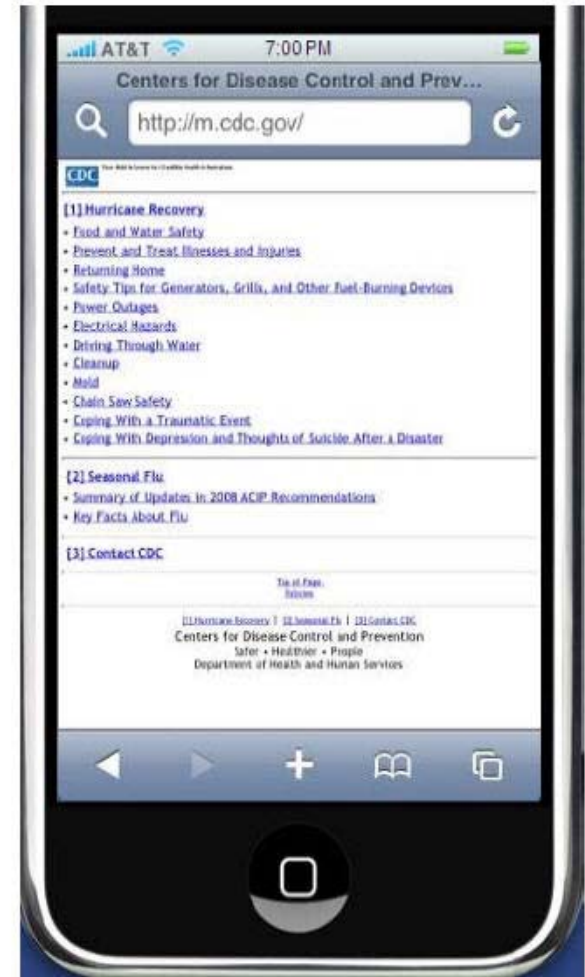
[What's this?](#)

Contact Us:
mobilehealth@cdc.gov

CDC.gov Mobile: m.cdc.gov



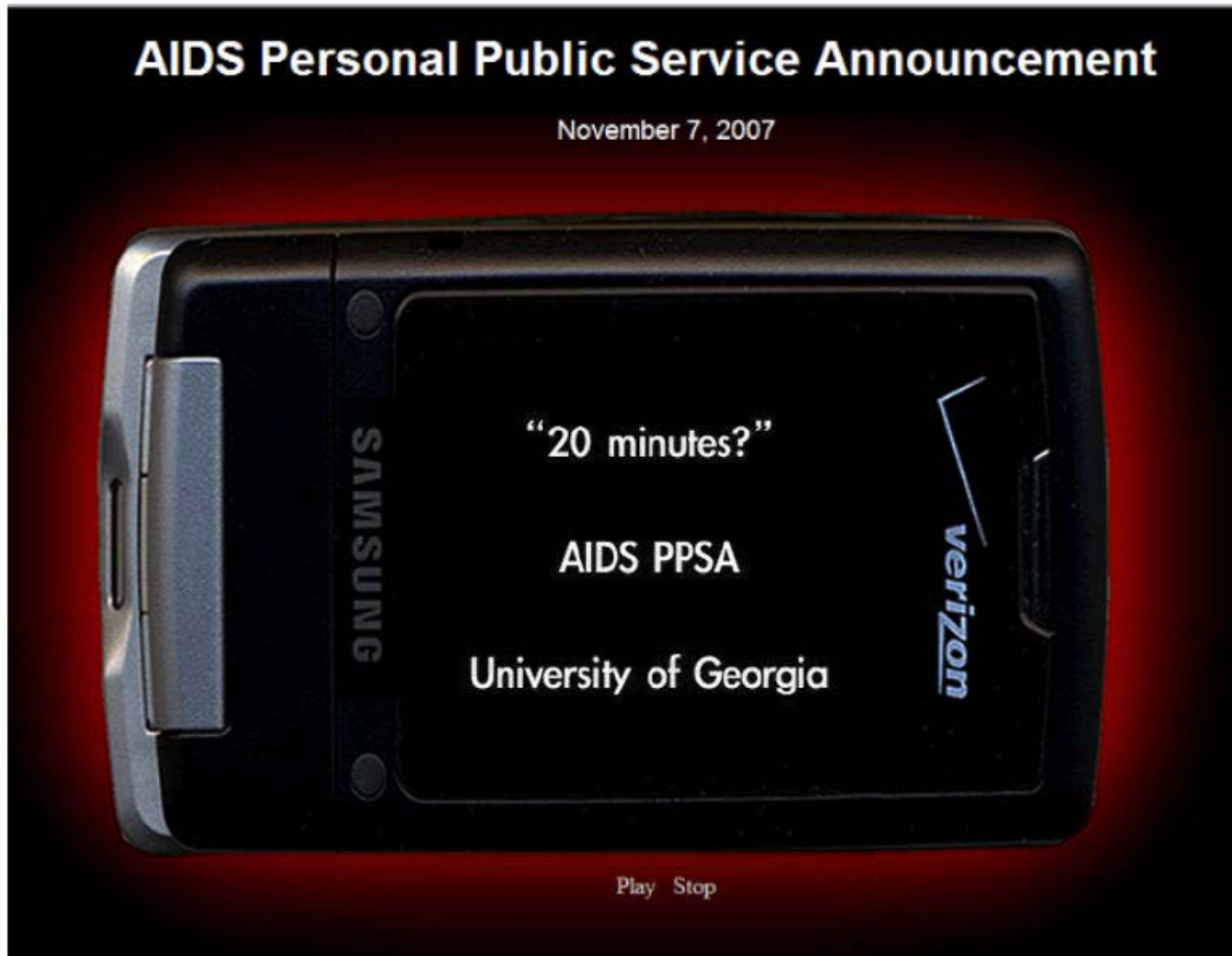
**CDC Alerts and Mobile Web Site
with Hurricane Recovery Information**



Mobile PSAs

The New Face of AIDS: A *Mobile Media Experience*

http://www.mynmi.net/aids_ppsa/videos.html



Alerts



Pre-Hospital Wireless Vital Signs



Data Transmission



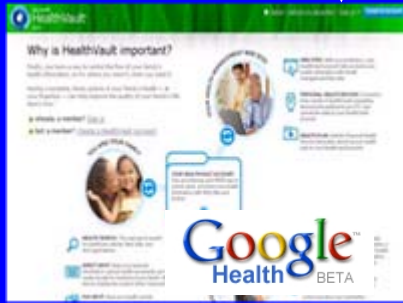
On Line Personal Health Record



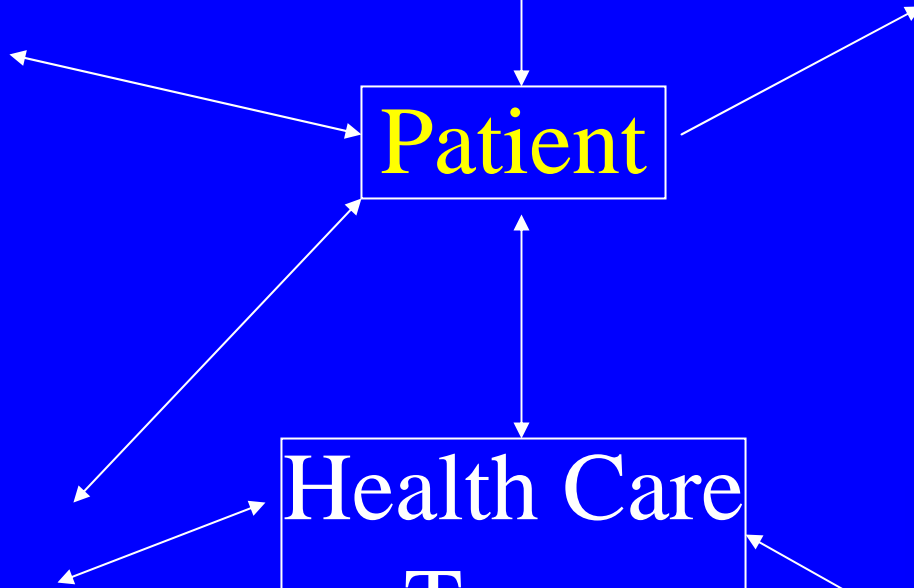
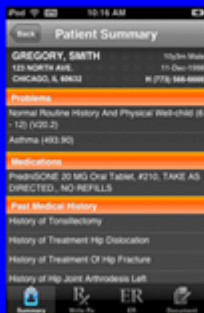
Patient

Health Care Team

HEALTHVAULT/ GOOGLE HEALTH



EMR access on Cell Phones



Next Steps

- Improve availability/affordability broadband cell phone service
- Interface EMR with PHR
- Develop Health Information Exchange
- Educate public on using cell phones to maintain and access medical information