

# *Current IT platforms, applications, and constructs supporting the emerging EHR/PHR systems*

John Robinette



# Recap...



# 2004 State of the Union and Executive Order

The screenshot shows a web browser window displaying the White House website. The address bar shows the URL: <http://www.whitehouse.gov/news/releases/2004/04/20040427-4.html>. The page header includes the White House logo, the text "THE WHITE HOUSE WASHINGTON", and "PRESIDENT GEORGE W. BUSH". Navigation links for "PRESIDENT | VICE PRESIDENT | FIRST LADY | MRS. CHENEY | NEWS" are visible. A search bar is present with the text "Your Government | History & Tours | Kids | E-mail | En Español" and a "Search" button. The main content area is titled "Executive Order: Incentives for the Use of Health Information Technology and Establishing the Position of the National Health Information Technology Coordinator". The order is dated April 27, 2004, and is for immediate release. The text of the order is as follows:

For Immediate Release  
Office of the Press Secretary  
April 27, 2004

## Executive Order: Incentives for the Use of Health Information Technology and Establishing the Position of the National Health Information Technology Coordinator

By the authority vested in me as President by the Constitution and the laws of the United States of America, and to provide leadership for the development and nationwide implementation of an interoperable health information technology infrastructure to improve the quality and efficiency of health care, it is hereby ordered as follows:

Section 1. Establishment. (a) The Secretary of Health and Human Services (Secretary) shall establish within the Office of the Secretary the position of National Health Information Technology Coordinator.

(b) The National Health Information Technology Coordinator (National Coordinator), appointed by the Secretary in consultation with the President or his designee, will report directly to the Secretary.

(c) The Secretary shall provide the National Coordinator with appropriate staff, administrative support, and other resources to meet its responsibilities under this order.

(d) The Secretary shall ensure that the National Coordinator begins operations within 90 days of the date of this order.

Sec. 2. Policy. In fulfilling its responsibilities, the work of the National Coordinator shall be consistent with a vision of developing a nationwide interoperable health information technology infrastructure that:

(a) Ensures that appropriate information to guide medical decisions is available at the time and place of care;

(b) Improves health care quality, reduces medical errors, and advances the delivery of appropriate, evidence-based medical care;

(c) Reduces health care costs resulting from inefficiency, medical errors, inappropriate care, and incomplete

# *Office of the National Coordinator*

## Four Goals:

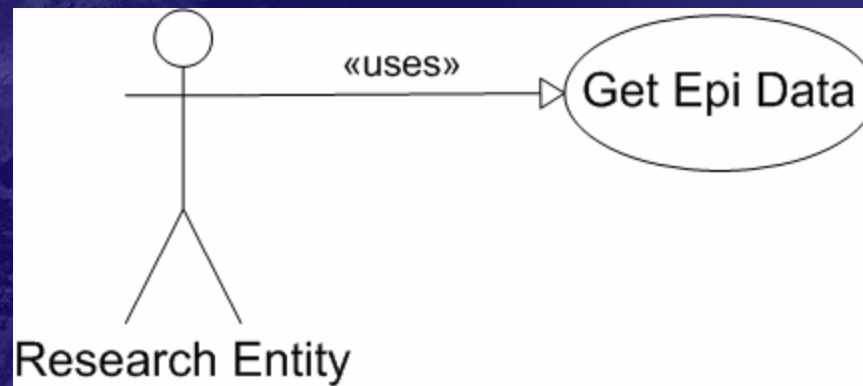
1. Inform Clinical Practice
2. Interconnect Clinicians
3. Personalize Care
4. Improve Population Health

# Benefits to Public Health\*

- *Early detection of infectious disease outbreaks around the country*
- *Improved tracking of chronic disease management*
- *Ability to gather de-identified data for research purposes*
- *Evaluation of health care based on value, enabled by the collection of price and quality information that can be compared*

**\*Health Information Technology Initiative Major Accomplishments: 2004-2006**  
*<http://www.hhs.gov/healthit/news/Accomplishments2006.html>*

# Public Health Use Case



- In Development
- Published in August; Public comment period has ended

# *National Health Information Network*



*“...a secure, nationwide, interoperable health information infrastructure that will connect providers, consumers, and others involved in supporting health and healthcare...”*

# ***“Incentivise” the Market Place***

"A market is the combined behavior of thousands of people responding to information, misinformation and whim."  
-Kenneth Chang



# EHR Products and CCHIT

*CCHIT certification helps providers by certifying for:*

1. *Functionality*
2. *Interoperability*
3. *Security*

The screenshot shows the CCHIT website with the following elements:

- Browser address bar: <http://www.cchit.org/index.asp>
- Navigation menu: HOME, PARTICIPATE, CERTIFY, CHOOSE, MEDIA, ABOUT
- Main banner image: Two healthcare professionals looking at a laptop.
- Banner buttons:
  - Find CCHIT Certified products
  - Pursue product certification
  - Learn more about CCHIT
- News section: **NEW** New Commissioners named. Text: "The Certification Commission has named three new commissioners and re-appointed two existing commissioners to serve two-year terms on its 21-member board, beginning in October. For more on this announcement, see the press release. For more information about the Commission, please visit the list of Commissioners."
- Right sidebar: CCHIT Certified products (links to Ambulatory EHR 2007 and Ambulatory EHR past years), Get the CCHIT eNews (Email input field and Sign up button).
- Footer: Apply for Ambulatory Certification, Reducing malpractice risk with CCHIT Certified EHR, CCHIT is hiring staff positions.

# *Industry Responds*



# CCHIT Certified Products\*

ABELMed PM - EMR 7.0	iMedica Patient Relationship Manager 2006, version 6.0	OmniMD EMR 6.0.5
Accelerator Graphical Health Record 4.111	Intelligent Medical Software IMS 2007	OpenChart 8.0
AHLTA 3.3	Intergy EHR by Sage v3.00	Patient Chart Manager 5.3
AllMeds EMR Version 7	Intergy EHR by Sage v3.50	PEARL EMR 6.0
athenaClinicals 0.15	LifeT.I.M.E. 7.100	Physician's Solution 3.0
Avatar PM 2006 Release 02	Longitudinal Medical Record LMR 5.1.1	PowerChart 2005.02
Bond Clinician EHR 2006	MDAware® 2.2	Practice Partner 9
CareRevolution 5.0i	MDLAND Electronic Health Record and Practice Management	Practice Partner 9.1
CattailsMD Version 5	MDTABLET 2.6.7	Practice Partner 9.2
Centricity® EMR 2005 Version 6.0	MEDAZ 60720.001	Practice Suite Version 2
Centricity® Practice Solution Version 6.0	MEDENT 16	Praxis® Electronic Medical Records, version 3.5
Companion EMR v8.5 currently known as HealthPort EMR v8.5	Medical and Practice Management MPM Suite MAGIC	PrimeSuite 2007
CureMD 9.0	Medical and Practice Management Suite Client Server Version	Pro-File 2007.0.0
dChart EMR 4.5	Medical Messenger Astral Jet EMR 3.7.1	Prognosis 1.81
eClinicalWorks Version 7.0 Release 2	Medical Practice EMR 14	Pulse Patient Relationship Management 3.1.1
eClinicalWorks Version 7.5	Medicat 8.8	Record 2006 V 3.0
e-MDs Solution Series 6.1	MedicsDocAssistant 3.0	SequelMed EMR V7.50
Emrge 6.0 Release 1.0	MedicWare EMR 7	SpringCharts EHR 9.0
EncounterPRO® EHR 5.0	MedInformaTix V 6.0	Streamline MD 9.0.9
Endosoft 3.0.3.5	MediNotes e 5.0	Sunrise Ambulatory Care 4.5
E-Paperless Practice V2.01	MedPlexus EHR 8.5	SynaMed EMR 5.487
EpicCare Ambulatory EMR Spring 2006	meridianEMR 3.6.1	TouchChart 3.3
EpiChart 5.2	MicroMD EMR 5.0	TouchWorks Electronic Health Record 11.0
GlanceEMR 2.0	Misys EMR 8.0	VersaSuite 7.5
gloEMR 3.5	mMD.Net EHR 9.0.9	Visionary Dream EHR 7.1
HealthMatics Electronic Health Record 2006	myNightingale Physician Workstation 5.2	vxVista V1.0
HealthPort EMR v8.5 formerly Companion EMR v8.5	NextGen EMR 5.3	Waiting Room Solutions Practice Management System 3
Horizon Ambulatory Care Version 9.4	NextGen EMR 5.4.28	WebChart 4.23
IC-Chart Release 6.0	Noteworthy EHR 5.4	Workflow EHR 2.1
iMedica Patient Relationship Manager 2005, version 5.1	OfficeEMR 2007	WorldVista EHR VOE/ 1.0

\*...for ambulatory care 2006 and 2007 11

# For Comparison...

## Current Baskin-Robbins Ice Cream Flavors\*

Cherries Jubilee	Vanilla	Fudge Brownie
Chocolate	Very Berry Strawberry	Love Potion #31®
Chocolate Chip	World Class® Chocolate	Perfectly Peachy
Chocolate Chip Cookie Dough	Jamoca® Oreo	Pink Bubblegum
Chocolate Fudge	Chocolate Oreo	Tax Crunch®
French Vanilla	Oreo Cookies 'n Cream	Turtle Cheesecake
Gold Medal Ribbon®	Rainbow Sherbet	Banana Nut
Jamoca® (coffee)	Daiquiri Ice	Black Walnut
Jamoca® Almond Fudge	Caramel Turtle	Chocolate Almond
Mint Chocolate Chip	Tin Roof Sundae	Creole Cream Cheese
Nutty Coconut	Maui Brownie Madness®	English Toffee
Old Fashioned Butter Pecan	Vanilla Nonfat Yogurt	Fudge Brownie
Oreo® Cookies 'n Cream	Red Raspberry Sherbet	Lemon Custard
Peanut Butter 'n Chocolate	Lemon Sorbet	Mississippi Mud
Pistachio Almond	Bananas 'n Strawberries	Orange Sherbet
Pralines 'n Cream	Baseball Nut	Oregon Blackberry
Reese's® Peanut Butter Cup	Chocolate Mousse Royale®	Rum Raisin
Rocky Road	Everyone's Favorite Candy Bar	Wild 'N Reckless

\*Source: <http://www.baskinrobbins.com/IceCream/>



# InformationWeek

DEFINING THE BUSINESS VALUE OF TECHNOLOGY

What Readers Are Talking About  
6 Problems With Mac OS X Leopard  
Pay Cash For An iPhone? Apple Won't Let You

Powered by **techweb** NETWORK

SEARCH

- RSS FEEDS
- SUBSCRIBE
- EVENTS
- WHITE PAPERS

- NEWS
- BLOGS
- WINDOWS
- SECURITY
- MOBILITY
- INTERNET
- SOFTWARE
- HARDWARE
- CIO CENTRAL
- RESEARCH & TOOLS
- CAREERS

## Coalition Including Intel And Wal-Mart Plan Electronic Medical Records For Employees

They see the tools as one way to try to get rising U.S. health care costs under control.

By [J. Nicholas Hoover](#)  
InformationWeek

December 4, 2006 12:05 AM (From the December 4, 2006 issue)

Intel (NASDAQ: [INTC](#)) chairman Craig Barrett has preached for years how critical it is to use IT to transform the health care industry. Wal-Mart's Linda Dillman this year switched from [CIO](#) to an executive role that involves improving the company's employee health care programs. Now their two companies, along with Pitney Bowes, British Petroleum, and others, plan to create a massive [data warehouse](#) that could eventually give all their employees [online](#) access to their personal health records.

The warehouse project, expected to be announced this week, will let employees access integrated data from medical claims and care providers, and likely information they enter about their medical histories. The goal is to let employees compare costs, availability of services, and to some extent performance across care providers, putting more power into their hands.



Barrett's ready to force change

Photo by Sipa Press

The initiative may also include the ability to fill prescriptions electronically and advise patients on how to stay healthy. Some patient record systems already in use, including those offered by WebMD, bring in quality-of-care data so patients can compare, for example, mortality rates, complication rates, and lengths of stay for certain procedures across hospitals.

For the companies involved, the main goal is to rein in expenses related to employee medical coverage. Those layouts next year will rise 6%, HR consulting firm Towers Perrin estimates, while inflation is running around 2.4% this year. Employers will pay 58% more and employees 81% more next year for U.S. health care than they did in 2002, Towers Perrin says. Intel will spend about \$1 billion on employee health care this year.

Impatient with the health care industry's slow pace of change, Intel, Wal-Mart, and the others are pooling their information, technology acumen, and clout as buyers to force the

- » [E-Mail](#)
- » [Print](#)
- » [Discuss](#)
- » [Write To Editor](#)
- » [Digg](#)
- » [Slashdot](#)
- » [Industries Stories](#)

### CAREER CENTER

Ready to take that job and shove it? [Open](#) | [Close](#)

#### Related Stories

- » [New Health Panel Aims To Identify Risks And Challenges Of E-Health Systems](#)
- » [A Pill, A Scalpel, A Database: Health care is embracing IT to analyze a glut of medical data, find new cures, and provide more-personalized treatment](#)
- » [New Hampshire Has The Right Goal For Its E-Prescription Plan: Perfection](#)

#### Related White Papers

- » [Gwinnett Health System Finds Avocent Products are Just What the Doctor Ordered](#)
- » [Seventeen Faxpress Servers, Thirty-Five Thousand Documents - How FaxPress Network Faxing ...](#)
- » [Network Faxing & HIPAA - How FaxPress Network Faxing Helped One Healthcare Provider Upgrade ...](#)
- » [Web Development Organization Builds New Applications with Melissa Data](#)
- » [Save Paper and Expenses by Going Mobile](#)

#### Health Care Options

NYTimes.com has articles and advice on paying for employee health care  
[www.nytimes.com](http://www.nytimes.com)

#### Prepare to be Shocked

Millions have already taken this amazing test. What's your RealAge?  
[www.RealAge.com](http://www.RealAge.com)



## PressPass - Information for Journalists

[PressPass Home](#) | [PR Contacts](#) | [Fast Facts About Microsoft](#) | [Site Map](#) | [Advanced Search](#) | [RSS Feeds](#)

### Microsoft News

- [Product News](#)
- [Consumer News](#)
- [International Contacts](#)
- [Legal News](#)
- [Security & Privacy News](#)
- [Events](#)
- [News Archive](#)

### Corporate Information

- [Microsoft Executives](#)
- [Fast Facts About Microsoft](#)
- [Image Gallery](#)
- [Broadcast Room](#)

### Related Sites

- [Analyst Relations](#)
- [Community Affairs](#)
- [Essays on Technology](#)
- [Executive E-Mail](#)
- [Global Citizenship](#)
- [Investor Relations](#)
- [Microsoft Research](#)



## Microsoft Unveils Consumer Health Vision, Launches Technology Platform to Collect, Store and Share Health Information

Company and industry leaders rally to support technology solutions that help people make better health and wellness decisions.

**WASHINGTON, D.C. — Oct. 4, 2007** — Joined by nationally recognized medical providers, health-management device manufacturers and patient advocacy organizations, Microsoft Corp. today launched Microsoft® HealthVault, a software and services platform aimed at helping people better manage their health information. The company outlined its vision for ways that HealthVault can bring the health and technology industries together to create new applications, services and connected devices that help people manage and monitor their personal health information, including weight loss and disease management, such as for diabetes.

"People are concerned to find themselves at the center of the healthcare ecosystem today because they must navigate a complex web of disconnected interactions between providers, hospitals, insurance companies and even government agencies," said Peter Neupert, corporate vice president of the Health Solutions Group at Microsoft. "Our focus is simple: to empower people to lead healthy lives. The launch of HealthVault makes it possible for people to collect their private health information on their terms and for companies across the health industry to deliver compatible tools and services built on the HealthVault platform."

Microsoft today also announced the availability of HealthVault Search, a powerful new vertical health search tool designed to work with the platform. Integrated with Live Search and accessible on the HealthVault Web site, this specialized health search engine intuitively organizes the most relevant online health content, allowing people to refine searches faster and with more accuracy, and eventually connect them with HealthVault-compatible solutions.

### Privacy, Compatibility and Security

Created in cooperation with leading privacy advocates, respected security experts and dozens of the world's leading healthcare organizations, HealthVault is designed and built to enhance privacy while providing people with the control they expect and require.

"Microsoft is the first major technology company to engage with the bipartisan Coalition for Patient Privacy in a serious way. The privacy protections built into HealthVault reflect the privacy principles of the Coalition. HealthVault prohibits onward transfer of data without explicit informed consent; its contractual obligations with advertisers require protection of any data transferred from the platform; its privacy policy is simple and easy to understand," said Dr. Deborah Peel, founder of the Patient Privacy Rights Foundation. "That means consumers finally have a trusted place to store their personal health information that will not be data-mined, because they alone control it. Microsoft's use of strong privacy principles including the principles of the Coalition, its ongoing relationship with consumer advocates, and its commitment to independent third-party audits set a new standard for privacy protections in health information technology."

### Related Links

#### Transcripts:

- [Peter Neupert: Microsoft HealthVault Launch - Oct. 4, 2007](#)

#### Virtual Newsrooms:

- [HealthVault Virtual Pressroom](#)
- [Consumer Newsroom](#)

#### Microsoft Resources:

- [HealthVault software development kit](#)
- [HealthVault Web site](#)

Advertisement

Latest News: [UK Insurer launches networking site for over-50s](#)

Advertisement

Advertisement

## Google says working to solve health record dilemma

By Eric Auchard

Reuters

Wednesday, October 17, 2007; 8:48 PM

SAN FRANCISCO (Reuters) - [Google Inc](#) (GOOG.O) aims to apply Web search technology to a general set of health information problems and remains committed to the market despite slow initial progress, an executive said on Wednesday.

"We do have a broad interest in this area," Marissa Mayer, Google's vice president of Search Products & User Experience, told Internet industry leaders at the Web 2.0 Summit in San Francisco. "It will start with search."

Mayer said engineers stumbled onto Google's potential role in the field by noticing the number of searches users perform with its Web search services for hard-to-diagnose health problems, often simply by typing symptoms into a Web browser.

"Google is not a doctor, but people come to us with a lot of health information searches," Mayer told the audience of several hundred executives, financiers and writers. "There is a big user information need, which we should ultimately fill."

### TOOLBOX

AAA Resize Text + Save/Share +  
Print This E-mail This

### WHO'S BLOGGING?

> [Links to this article](#)

### FEATURED ADVERTISER LINKS

- Be Prepared. Fight Identity Theft! [Equifax.com](#)
- Questions about the Medtronic recall? [Mesothelioma T-Shirts, Football T-Shirts, Koozies, Custom T-Shirts](#)
- Cool gadgets, hot deals. Visit [CircuitCity.com](#) today
- [T-Mobile, Verizon Wireless, Cingular/AT&T Phones](#)
- Banish the Aches and Pains That Come with Aging
- Earn 4.30% APY at [IIG DIRECT](#). No Fees and No Minimums.
- 8 Credit Card Secrets Exposed. Free Report
- Watch Satellite TV on your PC... For Free!

## Search Results for Google

 [Print this Release](#)

June 21, 2007 03:46 PM Eastern Daylight Time

### CapMed Exec Outlines Ideal Personal Health Record at American Health Insurance Plans' Annual Meeting

#### CapMed Offers Complementary Emergency Personal Health Record to All Attendees

AHIP Institute 2007

NEWTOWN, Pa.--(BUSINESS WIRE)--CapMed, a division of Bio-Imaging Technologies, Inc. (NASDAQ: BITI), a leader in Personal Health Management Solutions, announced that Wendy Angst, general manager of CapMed, will outline the requirements for an ideal personal health record (PHR) at Institute 2007, American Health Insurance Plans' Annual Meeting. "Real Healthcare Consumerism – Lessons on How to Make Consumer-Focused Efforts More Meaningful" will take place on Friday, June 22 at 10:45 am and showcase optimal PHR features such as flexibility, portability, privacy, consumer-focus, security, automatic population, and personalization.

A co-sponsor of Institute 2007, CapMed is offering attendees complementary licenses to its Online Emergency Personal Health Record (EPHR). Accessible via CDs distributed to all attendees, the EPHR allows healthcare consumers to record information related to demographics, conditions, medications, allergies, medical devices, emergency contacts, and insurance information. Using the 'Invite Others' features, users can provide access to all or part of their health information to caregivers, providers or others through secure URL. Also featured on the CD is an interactive presentation highlighting CapMed's Personal Health Record suite which include claims download capabilities, treatment decision support, targeted messaging, drug interaction checking, and other health and wellness tools.

"We now have the power to extend the PHR through integrated decision support tools and advanced analytics that leverage health claims and other data," says Wendy Angst, General Manager of CapMed. "The result is a PHR solution that's comprehensive, consumer-centric, interoperable, modular, customizable, and secure."

Institute 2007 is being held from June 20-22 at The Wynn in Las Vegas, where CapMed will showcase its personal health management solutions at booth #1237. Plans are for CapMed to focus on the TEPR-award winning Personal Health Record suite, including desktop and portable versions, as well as the newly released online version.

CapMed offers three interchangeable formats: the Online Personal Health Record, Personal Health Record (PHR) desktop software and the portable Personal HealthKey™, which uses USB flash technology for enhanced health information portability, security, privacy and data protection.

**CapMed**, a division of Bio-Imaging Technologies, Inc., is the cornerstone of Bio-Imaging's Personal Health Management Division. CapMed is the leading provider of patient outreach solutions for hospitals and healthcare systems, providers' offices, managed care organizations and pharmaceutical companies, with more than 700,000 distributed to date. These solutions enable patients to monitor and manage their health and to improve communications with care providers, ultimately improving outcomes and reducing costs of care and are available in three formats: the portable Personal HealthKey™, Personal Health Record CD-ROM and the Online PHR. CapMed offers custom development to organizations who want to add unique or proprietary capabilities to the platform. For more information on the CapMed Personal Health Management Solutions, please visit [www.CapMed.com](http://www.CapMed.com) or the consumer website, [www.CapMedPHR.com](http://www.CapMedPHR.com).

**Bio-Imaging Technologies, Inc.** is a healthcare contract service organization providing services that support the product development process of the





- ▣ **About Highmark**
- > Vision, Mission & Values
- > Board and Officers
- > **Newsroom**
- > Financials
- > Public Policy
- > Procurement
- > Careers
- Community Involvement
- Highmark Companies

Home > About Highmark > Newsroom > 2007 Press Releases

About Highmark

## Press release: May 23, 2007

### Highmark Blue Cross Blue Shield

#### Highmark Blue Cross Blue Shield launches personal health record

May 23, 2007 | Pittsburgh, Pa. —

#### Members can view and manage their own health care information

Highmark Blue Cross Blue Shield members can view and manage their own health care information through Highmark's Personal Health Record, which is a private, secure and password-protected Web-based tool available through [www.highmarkbcbs.com](http://www.highmarkbcbs.com).

As a single source for health information about members and their dependents, the Personal Health Record from Highmark utilizes medical claims and administrative information as well as information that is entered by consumers themselves.

"Under our country's current health care system, health information is often disjointed, which leads to inefficient and ineffective medical care," said Donald Fischer, M.D., Highmark chief medical officer and senior vice president. "The Personal Health Record from Highmark enables consumers to view and manage their own health information, which allows them to take their history to health care providers. It also provides members with a clear picture of their health situation and can recommend the necessary steps and information that will lead towards better health."

Highmark's Personal Health Record brings together health-plan-based and member-entered information, which provides consumers with a comprehensive and historical view of their health and encounters with the health care system.

#### Taking health actions

Using claims data from health, drug and other relevant information, the Personal Health

#### Related Links:

Browse our press releases:

- > [2007](#)
- > [2006](#)
- > [2005](#)
- > [2004](#)
- > [2003](#)



Home > News > Press Center > Press Release

## Aetna Introduces Powerful, Interactive Personal Health Record

**Powered by ActiveHealth's Patented CareEngine® System, Aetna's Personal Health Record provides personalized alerts to members and physicians about opportunities to improve care**

**CareEngine System-powered Personal Health Record pilot available February 2007 provides personalized alerts and interactive functions; all Aetna subscribers to receive an online Health History Report in January 2007**

**HARTFORD, Conn., October 3, 2006** — Aetna (NYSE: [AET](#)) today announced the launch of its new *CareEngine*® System-powered Personal Health Record (PHR) that provides members with online access to personal information, including individual personalized messages and alerts, detailed health history, and integrated information and resources to help members make informed decisions about their health care.

Aetna's PHR is the first to utilize the *CareEngine System*, which is a proprietary technology platform developed by ActiveHealth Management, a branded, standalone business of Aetna. *CareEngine* continuously scans an individual's health data and claims information against highly respected sources of medical literature, and alerts consumers and doctors about possible urgent situations and opportunities to improve care. The *CareEngine*-powered PHR automatically combines detailed, claims-driven information gathered across the health care spectrum - such as physician office, lab, diagnostic treatment and prescriptions - to generate a comprehensive personal health record. This information is processed by *CareEngine* to generate personalized health care alerts and messages that are delivered directly to the member.

"Aetna is working to personalize and simplify how members navigate the health care system, and this personal health record is a major step forward in that effort," said Mark Bertolini, Executive Vice President, Aetna. "The PHR will provide members with secure, reliable and current information that they can share with their doctors so that together they can make the best informed decisions about their health care needs."

Aetna's PHR allows consumers to add personal information about their health history, such as a specific disease or condition in the family, or whether they take over-the-counter medications. As consumers add more personal health information to enhance their PHR, *CareEngine* evaluates this additional information for opportunities to improve care for themselves and their families.

"Claims-based PHRs, personalized by members, can greatly increase patient safety and improve health care quality," said Troyen A. Brennan, Aetna's Chief Medical Officer. "The *CareEngine* technology will scan information from claims and self-reported information to find opportunities where evidence-based care may have been missed, and show areas for improvement. Ultimately, this new tool will allow physicians to benefit from improved information about each patient, and members and doctors can share that information to make

### Document Utilities

[Print this Page](#)

### Related Links

- [Aetna Personal Health Record Tour](#)
- [Text Version of Aetna Personal Health Record Tour](#)

- News releases and spotlight stories
- In-depth focus
- News release archives
- Spotlight stories archives
- In-depth focus archives

## News release: National

June 18, 2007

For more information, contact:  
[Susannah Patton](#) at 510 271-5826

### **Kaiser Permanente, Leader in Online Health Care, Participating in Medicare Study**

CMS to Track Use of Health Plan's Popular Personal Health Record

Oakland, Calif. - Kaiser Permanente today announced it is partnering with the Centers for Medicare & Medicaid Services (CMS) in a project that will help inform Medicare beneficiaries about the benefits of using online health tools to manage their health.

The pilot project, set to begin June 18, will promote the use of online personal health records (PHRs) to Medicare patients, as well as reporting on the use of such tools.

Kaiser Permanente is a leader in online personal health management services. The organization's online health management tools, available under "Your Health Record," include lab test results, prescription refills, eligibility/benefits, past office visit summaries, allergy and immunization information and access for parents to their children's records. Already, over one million Kaiser Permanente members have accessed "Your Health Record" online at its Web site, kp.org.

"Kaiser Permanente provides its members online access to their medical records as part of its focus on patient-centered care," said Andrew M. Wiesenthal, MD, SM, associate executive director of The Permanente Federation, the national organization of the Permanente Medical Groups. "Our personal health manager is more powerful than standalone PHRs because it is linked directly to KP HealthConnect™, our electronic health record. Specific personal health information and tools enable our members to proactively manage their health."

Also, Kaiser Permanente members can e-mail their doctor and schedule appointments online. Currently, the organization has more than 1.4 million members connected online, more than any other integrated health system in the world.

"Our online services help patients get better access to their health information, while making it more convenient for those who would rather not leave work or home to manage their health," says Kate Christensen, MD, medical director for kp.org. "In the KP system, a patient can view her cholesterol test online, talk with her doctor by e-mail about the result and treatment plan, and then join an online nutrition program. The goal is to help people become healthier, not just view a record."

Just over 880,000 Kaiser Permanente members are Medicare beneficiaries. They can

# But what is the “Industry?”

 Centers for **Medicare & Medicaid** Services

Medicare	.....	\$387B
Medicaid	.....	\$199B
SCHIP	.....	\$6B

---

**\$592B\***

*\*The Henry J Kaiser Foundation: The President's FY 2007  
Budget Proposal: Overview and Briefing Charts*

U.S. Department of Health & Human Services

**HHS.gov**

*Improving the health, safety, and well-being of America*

[Frequent Questions](#) ?

Search

Font Size - +

Print

## News Release

FOR IMMEDIATE RELEASE  
Tuesday, October 30, 2007

Contact: CMS Office of Public Affairs  
(202) 690-6145

### **HHS Announces Project to Help 3.6 Million Consumers Reap Benefits of Electronic Health Records**

In a move that will improve health care for millions of Americans, HHS Secretary Mike Leavitt today announced a five-year demonstration project that will encourage small to medium-sized physician practices to adopt electronic health records (EHRs).

"This demonstration is designed to show that streamlining health care management with electronic health records will reduce medical errors and improve quality of care for 3.6 million Americans. By linking higher payment to use of EHRs to meet quality measures, we will encourage adoption of health information technology at the community level, where 60 percent of patients receive care," Secretary Leavitt said. "We also anticipate that EHRs will produce significant savings for Medicare over time by improving quality of care. This is another step in our ongoing effort to become a smart purchaser of health care -- paying for better, rather than simply paying for more."

Conducted by the Centers for Medicare & Medicaid Services (CMS), the demonstration would be open to participation by up to 1,200 physician practices beginning in the spring. Over a five-year period, the program will provide financial incentives to physician groups using certified EHRs to meet certain clinical quality measures. A bonus will be provided each year based on a physician group's score on a standardized survey that assesses the specific EHR functions a group employs to support the delivery of care.

The CMS demonstration also will help advance Secretary Leavitt's efforts to shift health care in the U.S. toward a system based on value. The Department is working to effect change through its Value-Driven Health Care initiative, which is based on Four Cornerstones: interoperable electronic health records, public reporting of provider quality information, public reporting of cost information, and incentives for value comparison.

# *Don't forget the States...*



*“...as of February, 2007, 40 bills in 25 states addressing EHRs and PHRs...”*



## Electronic Health Records and Personal Health Records in State Legislation, 2007

NCSL project HITCh identified and analyzed pending state legislation related to electronic health records (EHR) and personal health records (PHR) in late February, 2007. We found over 40 bills introduced in the current legislative session related to EHRs and PHRs. This material provides a snapshot of state policy makers latest thinking. It reflects the rapid pace of learning going on across the country as states incorporate lessons derived from previous enactments and models into current legislative proposals. The material has been organized and summarized in two documents that illustrate state roles, component features and legislative language, respectively:

### [Executive Summary of 2007 State Legislation Tracking Chart on Electronic Health Records and Personal Health Records](#)

Provides a concise summary of the differing approaches states are taking in regards to EHRs and PHRs.

### [2007 State Legislation Tracking Chart on Electronic Health Records and Personal Health Records](#)

This chart tracks state legislative proposals related to electronic medical records, health records and personal health records.

## Additional Resources on EHR and PHR:

### [Introduction to Electronic Health Records, Electronic Medical Records and Personal Health Records](#)

This webcast with a panel of national experts discusses electronic health records (EHR), electronic medical records (EMR) and personal health records (PHR). What are they? How can state policymakers influence how they are used? Panelists will talk about privacy and security concerns, give examples of successful state efforts, and describe the experience of Katrina Health, a dramatic public-private collaboration that created partial health records for many after Katrina.

[HITCh Main Page](#)

# *Issues*

- Current landscape is fragmented
- Public health initiatives lag
- Possible outcomes:
  - Common, standardized population size datasets unlikely in near term.
  - “Retrofitting” of public health solutions to current efforts likely needed
- Questions:
  - Are standards established enough to help consolidate a fragmented market?
  - Feds encouraging states and industry to drive. How does this affect the desired public health goals?



## *What is behind this?*

- The current business model does not favor Public Health interests
- Public Health is a data consumer and represents a cost to the system
- Drivers are
  - Quality of care
  - Efficiencies and cost savings
- Generally speaking, from a business perspective PH would not be explicitly invited

# *Where are We Going?*



## ***ONC efforts 2007-2008***

- ONC – National Health Information Network (NHIN) comprised of Health Info Exchanges (HIEs) – 9 currently funded.
- Demonstrate connectivity among HIEs for sharing information
- Leverage current work
- Demonstrate use cases\*

*\*Public Health Use Case not yet finalized; not part of current effort*

## *Health Data Banks*

- Think credit reporting bureaus
- Provider would send health info to Health Data Bank

# *Decisions are Being Made*

- Current efforts are fundamentally to work through issues of standardization and interoperability, AND
- To establish the best practices for such implementations

*Therefore...*

# Best practices won't include public health needs



## *What Can Be Done?*

- Track ONC activities
- Look for opportunity to incorporate PH data needs from the beginning so that it becomes a best practice
  - Data sharing/data use agreements
    - Access to Health Data Banks
  - Data definitions/standards
    - Structures
    - Taxonomies
  - Piggyback on bio-surveillance use case

## *Final Thoughts*

- Industry is changing
- What will you do with all this data?
- How will you manage your world when you have all this data?
- How will this change the science you do and the decision making process?