Connecting Americans to Their Health Care: Empowered Consumers, Personal Health Records and Emerging Technologies



NATIONAL CONFERENCE DECEMBER 7-8, 2006 WASHINGTON, D.C.

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2006

A Networked PHR

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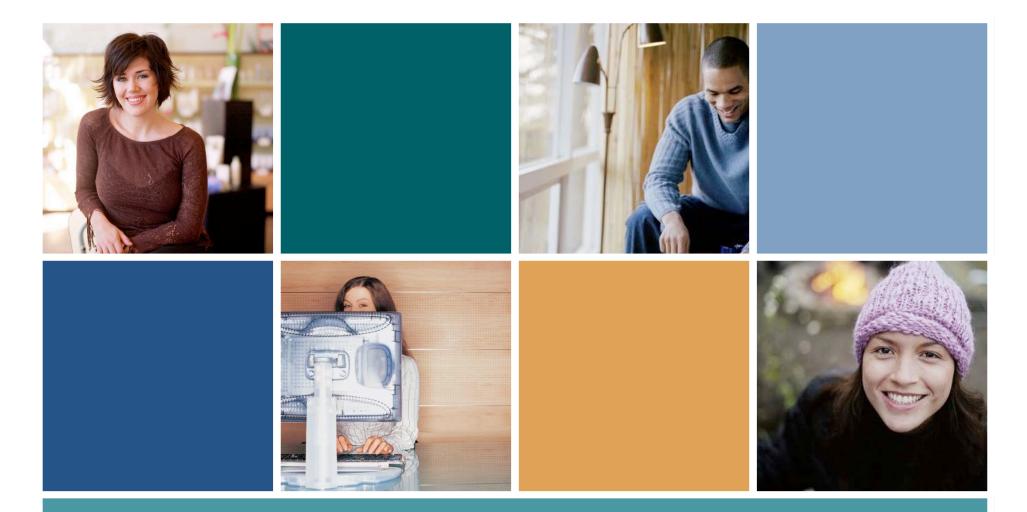
A Networked PHR

James D. Ralston Group Health Cooperative



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MyGroupHealth

Connecting Patients and Providers

James D Ralston, MD MPH Group Health Center for Health Studies Seattle, Washington



Patient Web Sites



Walled online gardens

Secure and confidential

Connect patients and providers

Electronic messaging

Medical records

Shifts the focus of care away from the physician's office

Some Patient Web Sites



Palo Alto Medical Foundation

Beth Israel Deaconess

Partners Healthcare

Geisinger

Kaiser Permanente

Dartmouth-Hitchcock

Group Health Cooperative



About Group Health



Member-governed, not-for-profit, integrated financing and care delivery system

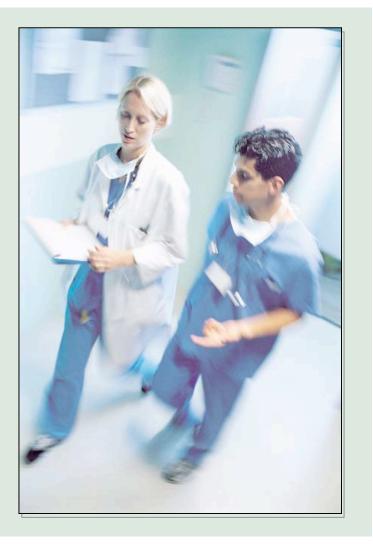
560,000 patients

860 medical staff

25 medical offices, 2 hospitals

Washington and Idaho

Contracts with 6,130 physicians in Washington





MyGroupHealth Web Services



Refill Prescriptions

Secure Messaging

After Visit Summaries

Record Access

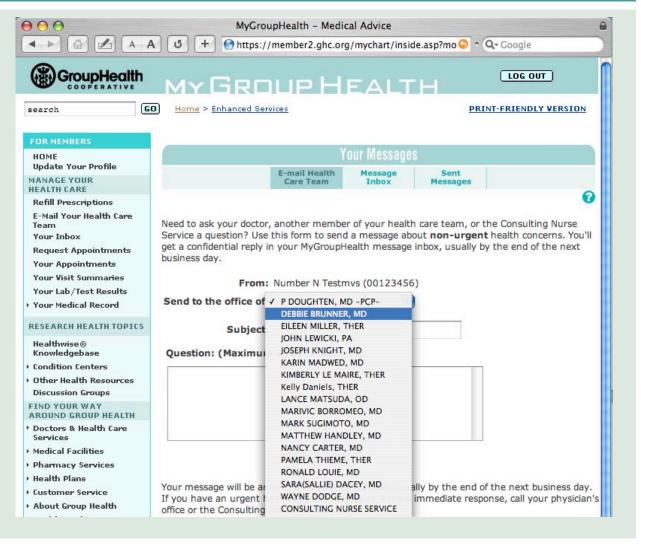
Appointment Scheduling



Secure E-mail Access

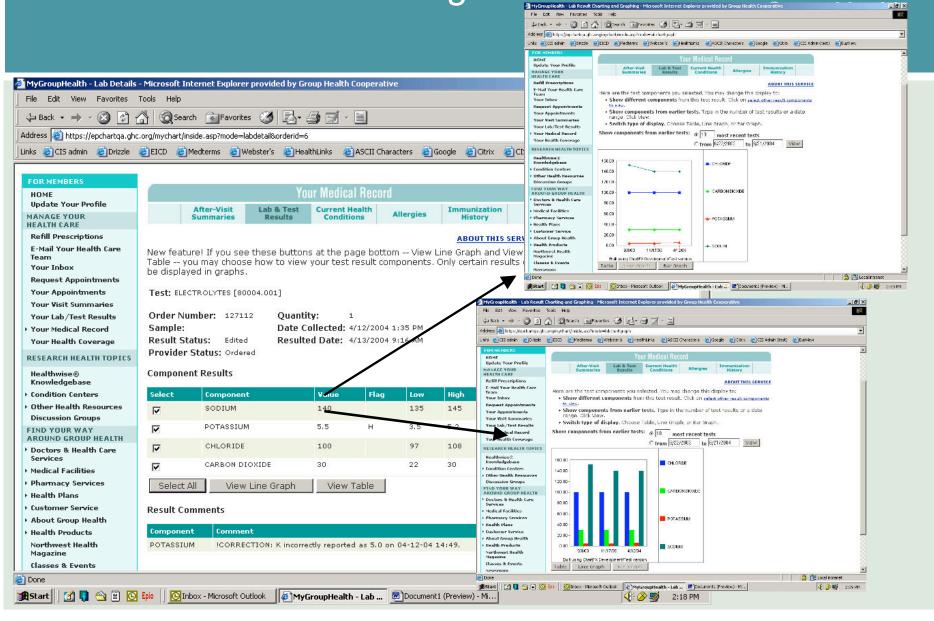


Patients can send secure e-mail to providers they have seen at Group Health.



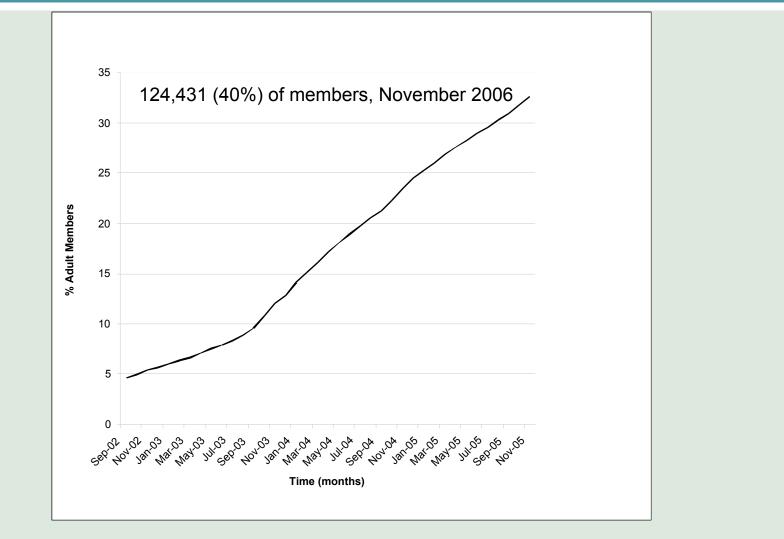
Test Results with Charting





Registration for Shared Electronic Record Services on MyGroupHealth





Use of Shared Electronic Record Services on MyGroupHealth

60 Medical Test Results 50 Unique Monthly Users/1,000 Members Medication Refill Requests 40 ? After Visit Summaries ² Secure Messaging Encounters 30 ♦ Medical Conditions 20 + Appointment Requests Immunizations 10 - Allergies 0 2002 2003 2004 2005 Time

GroupHealth



Typical Online Patient in 2004



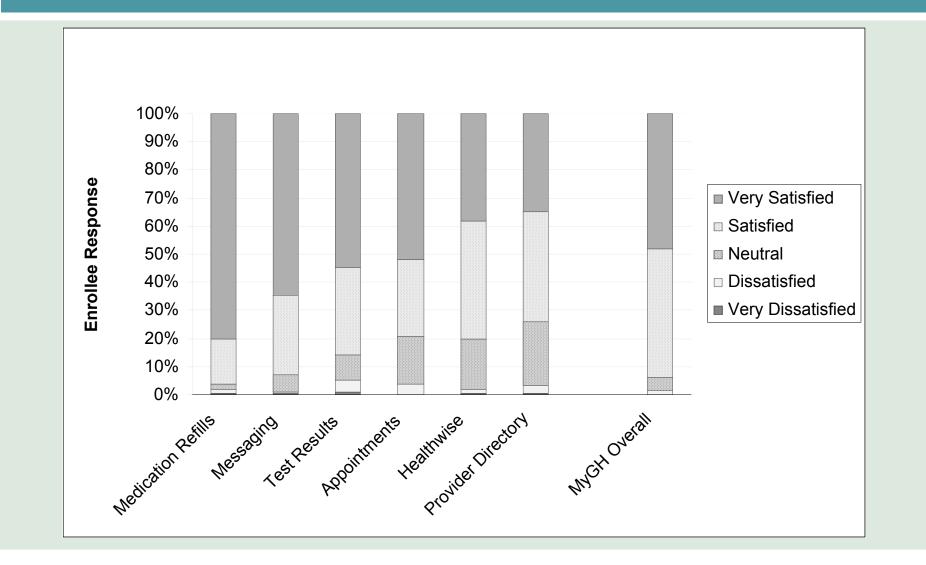
51-year old woman managing multiple chronic conditions

Has a PCP with $\ge 20\%$ all patient encounters through electronic messaging



How Satisfied Are You With the Following Services?





Take Home Points



Patient Web sites connect patients and providers over the Web.

Same patients use MyGroupHealth as use other health care services.

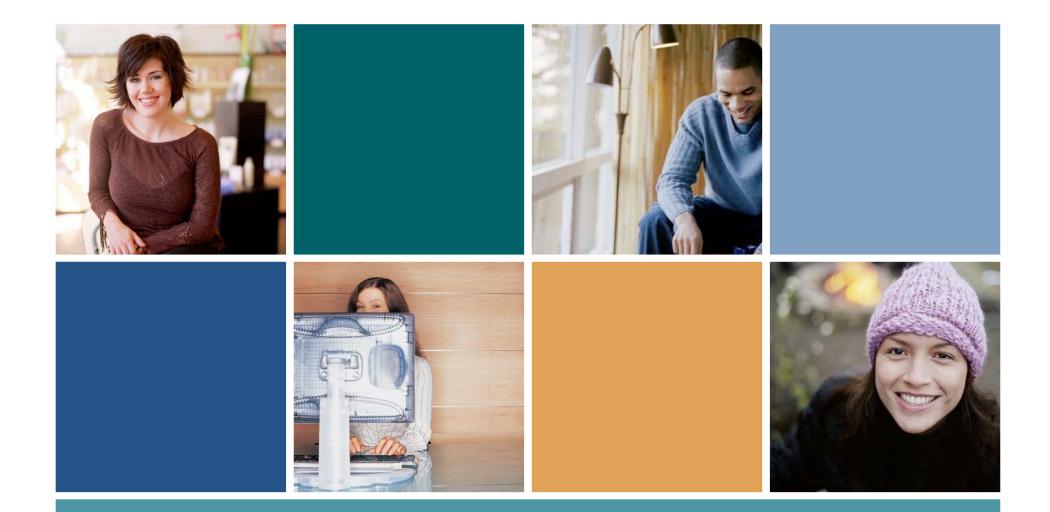
Use and satisfaction of MyGroupHealth is greatest for services actively part of care.

Implications for a Networked PHR



PHR value appears to depend on

- Connecting patients and providers
- Integrating care for patients



Thank you

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Paul T. Sheils eHealth, Aetna, Inc.



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How Health Plans Are Helping to Digitize the US Healthcare System:

The Claims-Based Digital Personal Health Record

A New Tool to Engage & Empower Consumers

Paul T. Sheils eHealth, Aetna, Inc.

We want you to know

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The Digital Health Records Landscape

Federal, State & Local Electronic Health Record (EHR) Initiatives

- 2004 President Bush places EHRs on the national health care policy agenda, calls for every American to have an EHR in 10 Years
- 2004 Dr. David Brailer appointed as National Coordinator of Health Information Technology
 - Regional Health Information Organizations
- 2006 AHIC established; EHR standards under development; Executive Order on Quality and Transparency



"By computerizing health records, we can avoid dangerous medical mistakes, reduce costs and improve care." President George W. Bush, January 2004, State of the Union Address

"The use of electronic health records and other information technology will transform our health care system by reducing medical errors, minimizing paperwork hassles, lowering costs and improving quality of care."

Secretary of Health & Human Services Michael Leavitt, June 6, 2005

EHRs vs. PHRs

"EHR"

 EHRs – the complete health record - clinician-populated and controlled, "institution-centric" application; derivatives of practice management systems (Cerner, Epic, IDX, etc.).

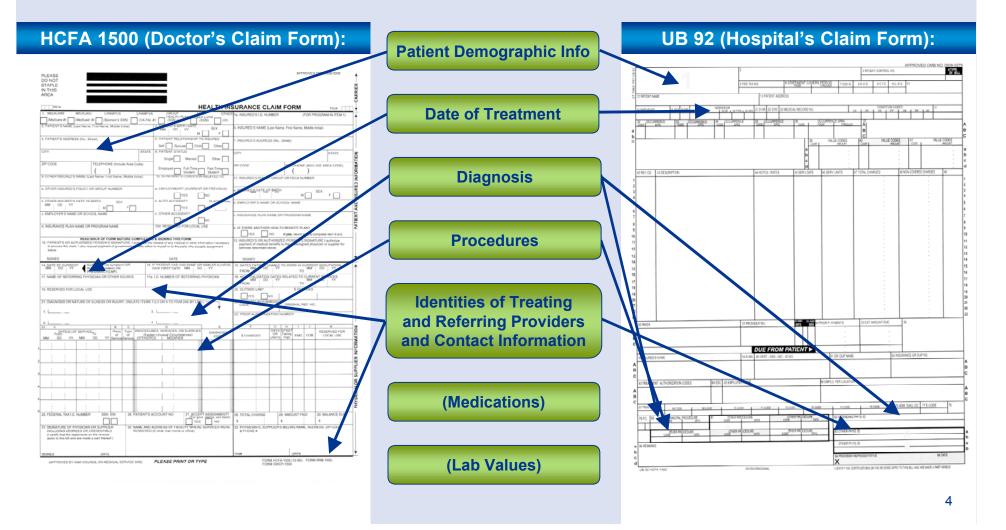
"Patient-Populated PHR"

Patient-Populated PHRs – software applications that permit patients to record results of healthcare encounters, often have health diaries, reminders.

"Claims-Based PHR" Claims-Based PHRs – patient-controlled, populated initially with claims-based data (may be supplemented patientpopulated data, e.g., HRAs).

Rich Clinical Data Derived from Claims

Claims forms contain valuable electronic health information that is available to be shared



AHIP and BCBSA Join Forces to Develop PHRs & PHR Standards

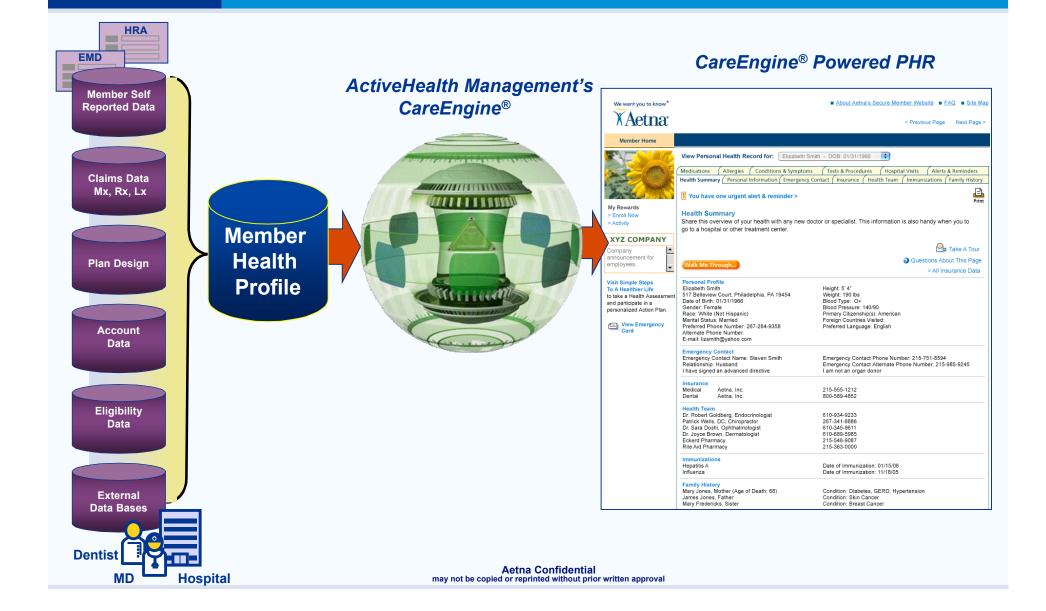




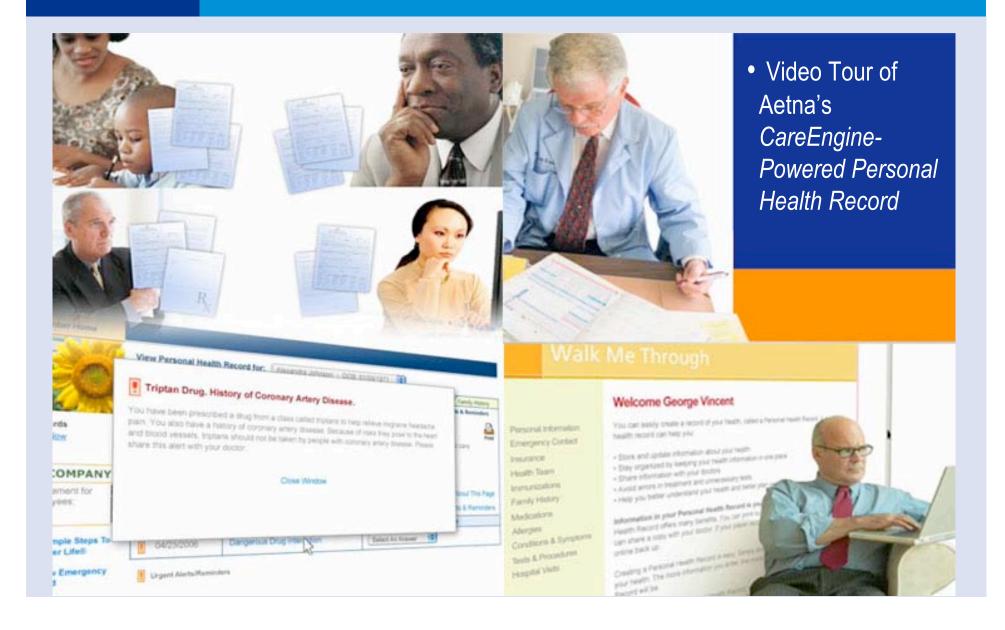
BlueCross BlueShield Association

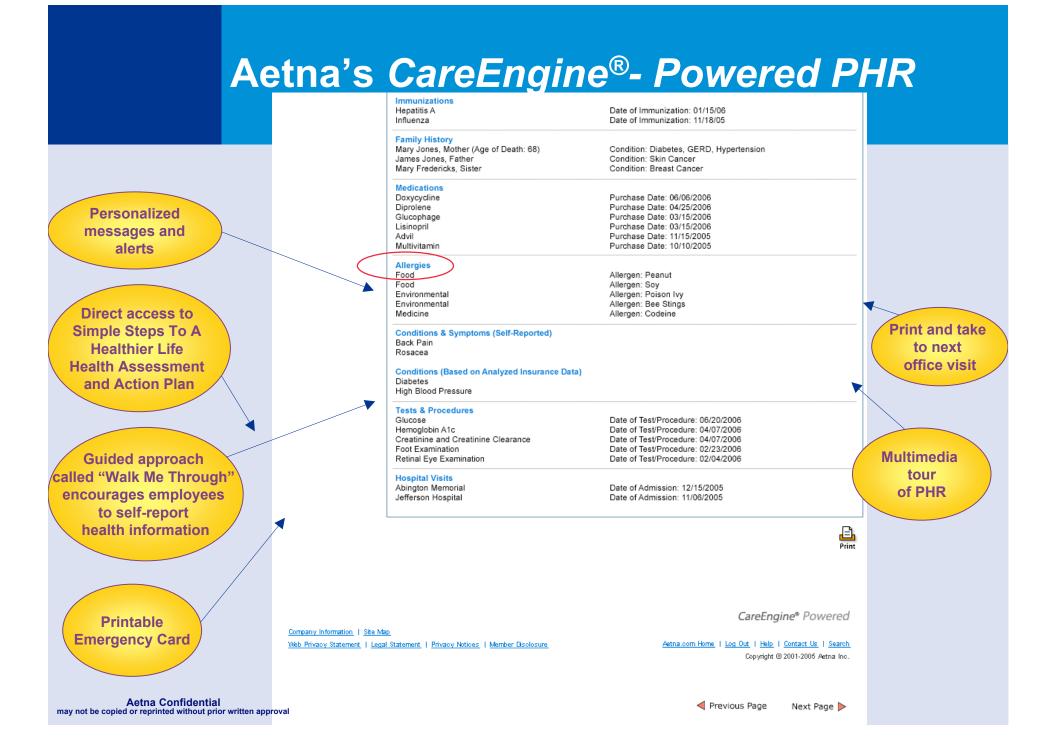
- 2005 AHIP & BCBSA Collaborate to Develop PHR Standards
- Goals of PHR Collaboration
 - Encourage members to offer PHRs
 - Conduct market research with providers and consumers on PHR value
 - Jointly develop PHR standards
 - Common PHR data elements
 - Plan-to-Plan Portability Standards
 - Pilot Test
 - PHR Awareness and Education Campaign
 - Future: Interoperability with EHR and provider settings

Aetna's Approach: Data + Decision Support The CareEngine® Powered PHR



The Aetna PHR Video Tour





Benefits of a Health Plan, Claims-based Personal Health Record

Member-Controlled

- Strict Authentication and Authorization
- HIPAA and State Law Compliant

Portable – Two Types of Portability

- Place PHR data in secure, portable storage devices (smart cards, flash drives, etc.
- Plan to Plan (improves the longitudinal view and value of the PHR)

Interoperable with the EHR

- Common data fields, protocols, clinical vocabularies
- PHR = downstream recipient and/or upstream supplier

Enhancing the Physician Encounter

- One-Page Summary; "Print this page"

Member View & Provider View of the PHR

- Member View Can be Customized; Provider View Should be Standard

Informatics-Informed – The real power of PHRs

 Advanced analytics, algorithms and rules engines delivering customized content, alerts, recommendations, guidance, hints

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