

# Web\LD\ Corporation

Personal Health Records - An Overview NCVHS Hearing January 6, 2005

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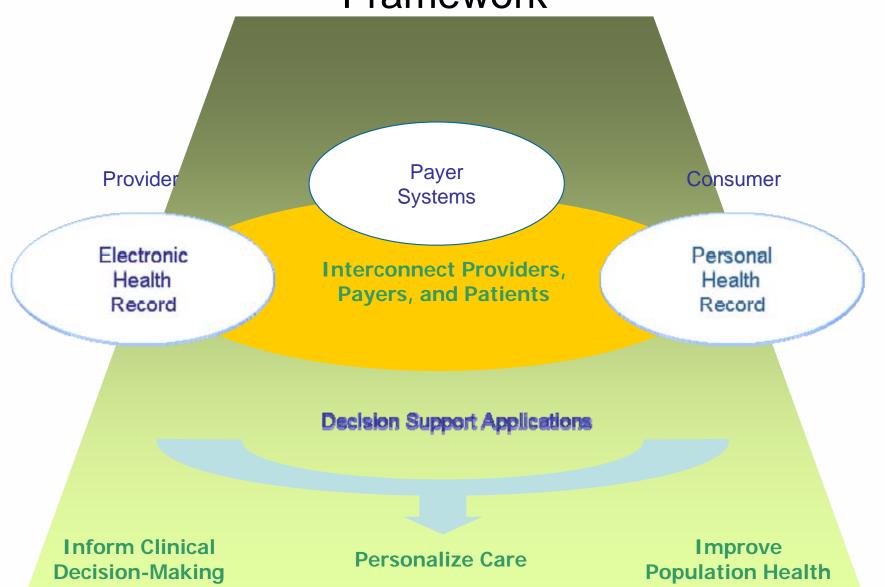
## **Presentation Summary**

- Personal Health Records are beginning to play a critical role in the evolving landscape of consumer-centric health care
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- Today's PHR at WebMD is already achieving many of the following goals:
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  - Sharing essential health data with care providers
- An opportunity exists for a public-private collaboration whereby federal support for PHRs and related standards and private sector innovation can foster even greater PHR success



## The PHR is an Important part of the WebMD Framework

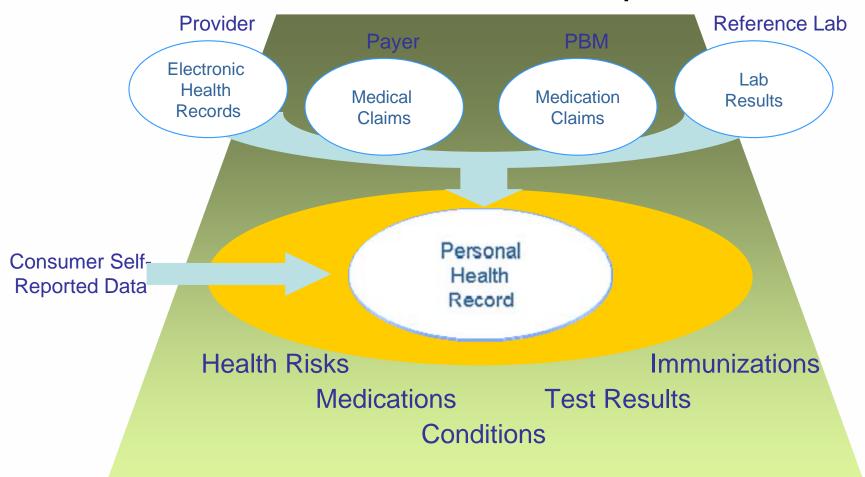






# The WebMD PHR is becoming the foundation of standardized data from multiple sources

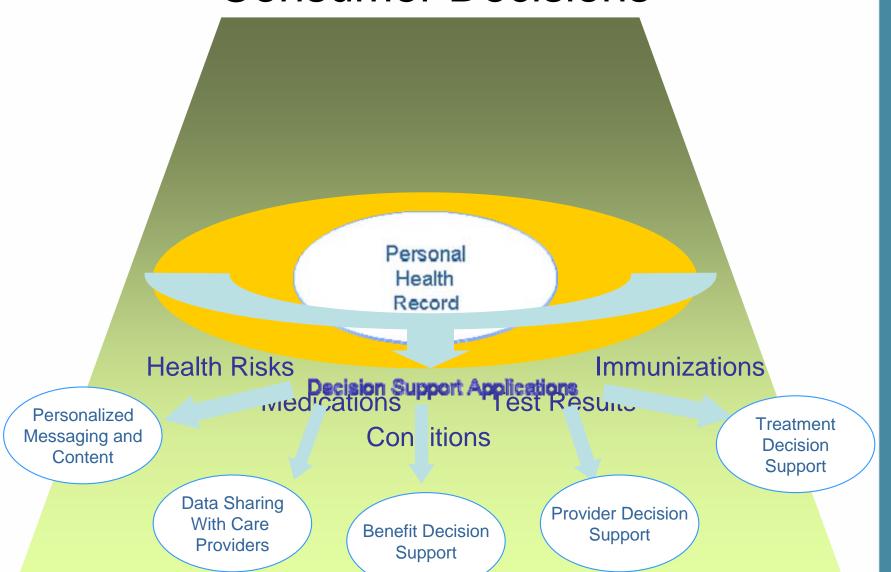






# The PHR Enables *Smart* Consumer Decisions









- The Current Market Status of the WebMD PHR
  - Approximately 15 Million people have access to WebMD's PHR through their employer's or health plan's website
  - Over 20 million unique visitors to webmd.com each month provide an opportunity to offer even greater PHR access
- PHRs can Integrate Self Reported and Professional Data
  - Six professional data feeds are enabled today, including claims and lab data
  - Over 20 data feeds are planned for 2005
- PHRs are driving valuable services
  - Personalization of health and benefit information
  - Benefit decision support
  - Treatment decision support
  - Targeted clinical messages
- The WebMD PHR is Poised for Future Success
  - Greater data gathering/sharing through CCR with multiple EMR systems
  - Greater data portability through leading ID/authentication solutions







## Benefits of a PHR to Consumers

- Ensures that a private, portable, longitudinal health record is available across the continuum of patient care, making essential health data available wherever, whenever it is needed
- Enables a common profile to drive secure, targeted and personalized information and services, leading to higher consumer engagement, satisfaction, and ultimately positive behavior change
- Within an employer or payer-specific environment, the PHR facilitates optimal plan selection and Health Savings Account participation





## Benefits of the PHR to Payers and Employers

- Provides a centralized health and benefits profile for employees and members, resulting in:
  - Increased consumer engagement and awareness of their health
  - Improved decisions around benefits, treatments and providers
- Enables profile-based targeted messaging that addresses key health issues
- Increases the value of aggregate data reporting
- Enables essential health data to be available at the point of care and encourages conversations with care providers
  - Improving Quality
  - Lowering Costs



## PHR Examples



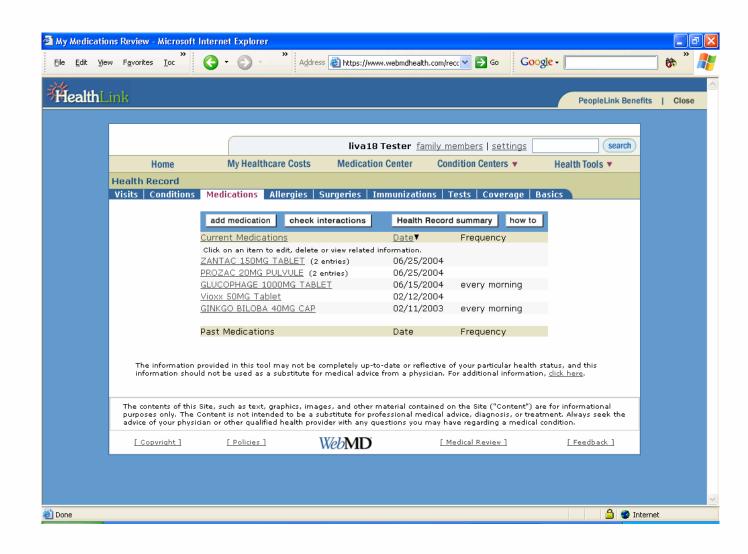


## **Current Medication List Management**

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Information is organized into convenient summaries:

Medications
Conditions
Allergies
Surgeries
Immunizations
Test Results
Visits

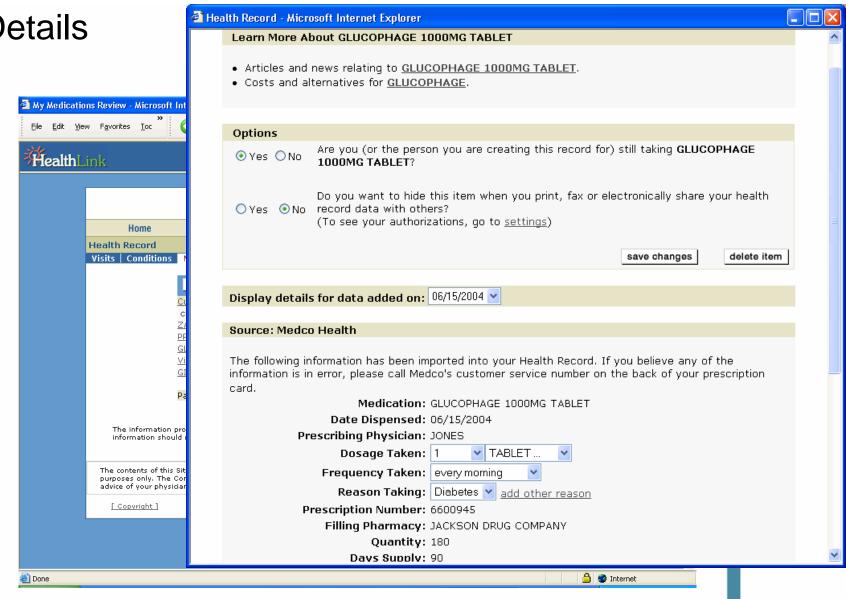




## **Medication Details**

Detailed views enable consumers to:

- Determinewhether theitem is current
- Hide sensitive information from viewing by others
- Link to related articles and products, and
- •Review data imported from 3<sup>rd</sup> parties.

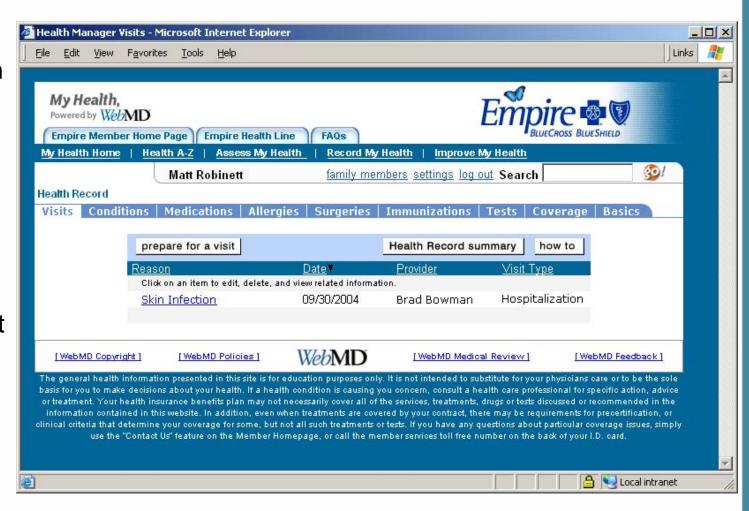




## **Visit Summaries**

Visit information summarizes data relating to inpatient, outpatient and doctor's office visits.

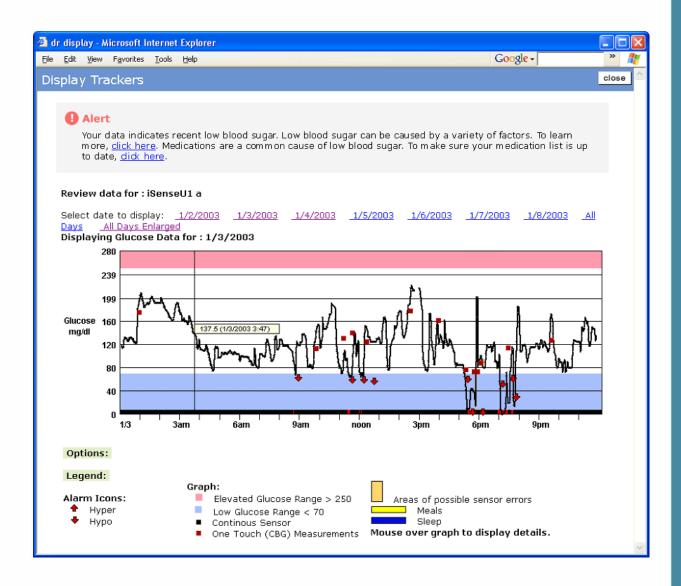
A summary of an inpatient visit from medical claims data are shown in this example.





### **Trackers**

Self-reported or home medical device data is tracked over time to provide insight into important trends. Data imported from an implanted blood sugar monitor is shown in this example.





## Health Record Summary for Communication with Physicians and EMR Systems

A Health Record Summary is available for printing, faxing or electronically sharing with health care providers.

#### Health Record Summary for Philip Marshall

#### Important Information about this Health Record Summary

The information in this document reflects the information in this patient's WebMD Personal Health Record sponsored by <<cli>ent name>>. The patient controls his/her own Personal Health Record. WebMD and <<cli>ent name>> do not represent the accuracy or completeness of this information.

To retrieve this nationt's Health Record information through your Fle on the web at www.webmd.com, use the unique access code: j784

Personal Information: Name: Philip Marshall Date of Birth: 04/05/1968 Gender: Male Blood Type: AB +

Contact Information: Phone: 503-222-1515 Cell Phone: 503-555-4545 Address: 22700 NW Gillihan Rd Portland, OR 97231

**Physician Information** 

Address:

Emergency C Name: Marci Relationship Phone: 503-

Emergency C Name: Marci Relationship Phone: 503-

#### Insurance In

Primary Care Physician: Primary Insu Name: Dr. Brad Bowman Name: Empir Phone: 503-555-6767 Policy #: JWE Fax: 503-666-5656 Group ID: W Phone: 444-4545 Atlanta Terrace Address: Atlanta, GA 98765 3456 Lakesh New York, N

> Medication B Name: Medo Policy #: 456 Group ID: W Phone: 444-Address: 3456 Lakesh Trenton, NJ

#### **Current Conditions**

Diabetes Mellitus Type 1 Date Diagnosed: 04/05/1987 Diagnosing Provider: Dr. Paul Greenhouse Last Updated Date: 05/06/2004 Information Source: Empire BCBS

#### Hearing Loss

Date Diagnosed: 04/05/1987 Diagnosing Provider: Dr. Paul Greenhouse Last Undated Date: 05/06/2004 Information Source: Empire BCBS

Date Diagnosed: 04/05/1994 Diagnosing Provider: Dr. Paul Greenhouse Last Updated Date: 05/06/2004 Information Source: Empire BCBS

#### Past Conditions

Date Diagnosed: 04/05/1987 Diagnosing Provider: Dr. Paul Greenhouse

Last Updated Date: 05/06/2004 Information Source: EMR Data

#### **Current Medications**

First Prescribed: 04/05/1987 Prescribing Provider: Dr. Paul Greenhouse Last Undated Date: 05/06/2004 Information Source: Claims Data Number of Refills: 7

#### Lexipro

First Prescribed: 04/05/1998 Prescribing Provider: Dr. Paul Greenhouse Last Undated Date: 05/06/2004 Information Source: Empire BCBS Number of Refills: 7

#### Codeine

Date Discovered: 04/05/1987 Reaction: Unset Stomach Severity: Mild Last Updated Date: 05/06/2004 Information Source: Self-Reported

#### **Immunizations**

Data Administered: 04/05/2004 Treating Provider: Dr. Paul Greenhouse Last Updated Date: 05/06/2004 Information Source: Claims Data

#### Tetanus Booster

Date Administered: 04/05/2004 Treating Provider: Dr. Paul Greenhouse Last Undated Date: 05/06/2004 Information Source: Empire BCBS

#### Surgeries

Total Hip Replacement Date Performed: 04/05/1987 Information Source: Empire BCBS



## **PHR-Driven Services**





## Personalization

As part of the user's Master Health Profile, health record data drives site personalization and targeted messaging



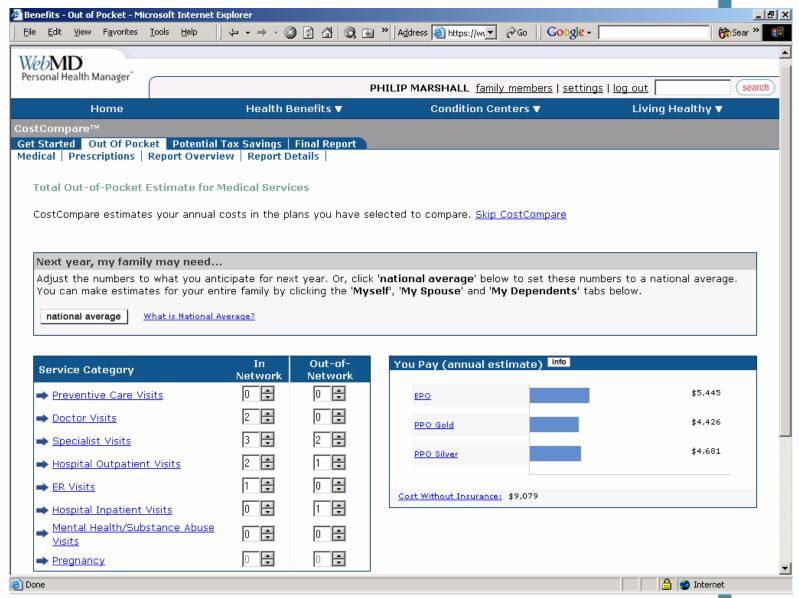
My Health Guide

## WebMD Corporation

### **Benefits Selection**

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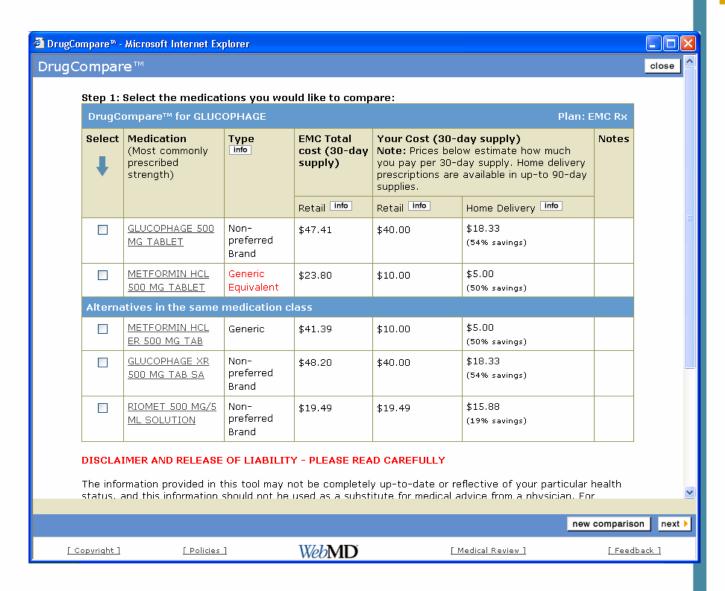
Medication and medical data from claims can help the user better anticipate their health care utilization, their costs, and lead them to the right health plan, FSA contribution, and even HSA contribution.





## **Drug Costs and Alternatives**

Medications in the Health Record that are self-reported or imported from 3<sup>rd</sup> parties link directly to WebMD's DrugCompare product to facilitate appropriate drug switching. Generic alternatives are shown in this example.

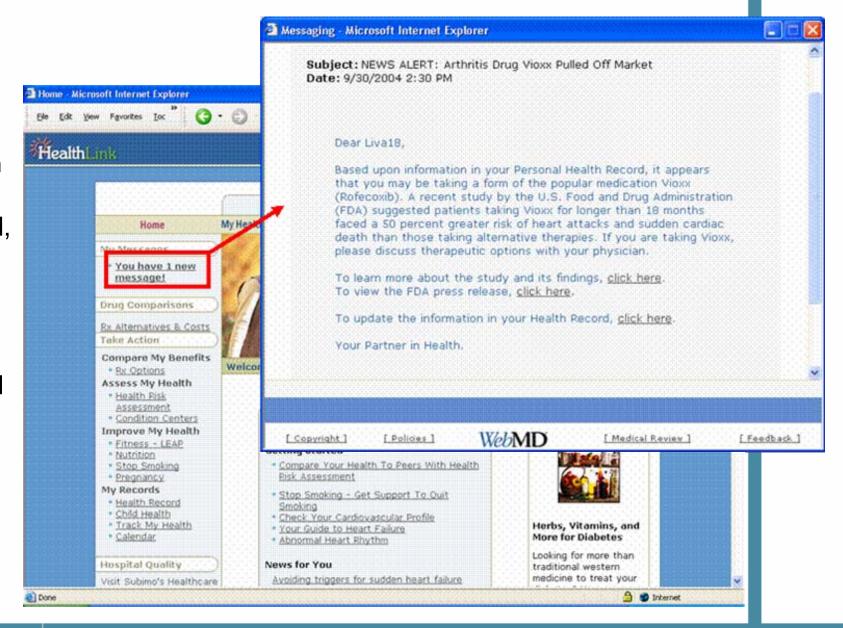




## Targeted, Secure Messaging

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The user's Health Record information can be used to deliver targeted, secure communication to members. A drug recall notice, targeted to users on the medication, is shown in this example.







Connectivity Portability





## A New Generation of PHRs





## **Current Challenges**

- Uncertainties around whether HIPAA allows, enables, or even requires payers and providers to make personally-identifiable data available to the consumer using a PHR
- Technical and business complexities for health plans, employers and other entities in making claims data, laboratory data and other clinical data available for use within the Personal Health Record
- The lack of standards and incentives for EMR-PHR data exchange
- The nascent demand by consumers to take an active role in managing their essential health data to ensure that accurate and upto-date information is available for themselves and for care providers





## Public and Private Sector Collaboration

Support the PHR as an essential part of the Health Information Technology Framework by encouraging entities such as employers and payers to offer a private, portable, standards-based and interconnected PHRs as a central part of their consumer-facing health and benefits management strategy.





## Requests of Policy-Makers

- Continue to support the universal provider identifier
- Support the CCR standard for information exchange between PHRs and EHRs
- Support standards for common data fields stored and shared between PHRs and EHRs
- Continue to support SNOMED CT as a common reference terminology standard and as part of the NLM's UMLS Metathesaurus.
- Support the creation of a set of "Best Practices" for information security
- Support government employees and CMS beneficiaries being among the first to benefit from this new technology





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