

OpenHRE Connect™ from **Browsersoft**

Guidance and Technology for your health information exchange



Welcome!

First Annual OpenHRE Users Forum

Presented by Joe Panther and Joe
Brisson of Browsersoft, Inc.
Tuesday, December 12, 2006

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About Browsersoft

- Established in 1998
- Corporate office in Lenexa, KS
- Focus:
 - *J2EE Enterprise Application Development*
 - *eQ!™ Foundation*
 - *OpenHRE™*
- Officers:
 - *Don Grodecki - President*
 - *Joe Panther - EVP*
 - *Joe Brisson – VP Client Services*

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OpenHRE's™ Sustainable Architecture

Designed to facilitate Connecting for Health's (CfH) vision for a National Health Information Network, the OpenHRE™ software toolkit consists of three “**configurable**” services that allow rapid and economical implementation of new and changing HIE requirements as they evolve over time.

- The Record Locator Service (RLS) can provide a cross-system enterprise-wide Master Patient Index (MPI), or a controlled-access Records Locator Service to MPIs that already exist within multiple enterprises or RHIOs.
- The Record Exchange Service (RES) is used to quickly and securely provide data exchange between disparate health records systems (or their proxies) using federated queries, followed by caching, optional de-identification, and formatting of the data for presentation sequentially and/or longitudinally.
- The Authentication and Access Control Services (AACS) are a Security Service, and a web-based Administration tool that provides an easy to use GUI for user and security policy management - HIPAA compliant policies are easily incorporated using this tool.

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OpenHRE™ is an open source toolkit that provides a standard and secure means to exchange data between existing health records systems. With OpenHRE™, health professionals can:

- Positively identify a health consumer
- Locate sources of consumer's health records
- Securely retrieve consumer's clinical data using HIPAA compliant policies in force for any given user/role or access/delivery location.
- Display critical information for the identified consumer, including longitudinal expressions of retrieved data (e.g. graphing blood pressure measurements over time.
- Access de-identified clinical data for population studies up to the national level.

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Current Projects

- Mendocino, California – disease management (diabetes), migrating to EHR
- Access to Care for the Uninsured, SA-TX – clinical data repository
- MeDHIX – Metro DC Health Information Exchange – Uninsured/Safetynet
- NHIN Prototype – Lab, Personal Health Record, Biosurveillance.
- State of Kansas – rural clinics/CDC reporting – Data Aggregation
- Academic
 - *Oregon Health and Sciences University*
 - *New York University*
- Community – over 1000 downloads of OpenHRE™
- FIRST ANNUAL USERS FORUM DEC 12th, 2006

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Initial OpenHRE Collaborative Effort. Browser-based eChart Health Summary

- User queries and views of complete eCharts – December 11, Users Group Agenda. Results posted Dec 12.
 - *Data display depends on permissions*
 - *Query by hospital ID*
 - *Query by demographics*

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Browser-based eChart Implementation

- <http://openrico.org> for LiveGrid demonstration
- Coming soon:
http://localhost:8080/queryserver/site_openhre/nhin

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- **Tangible Benefits Realized by OpenHRE™ Users:**
- Incremental approach to uncovering the benefits of HIE for the sharing community.
- Leverages existing systems and data sources.
- Defers major technology expenses, if even needed, until requirements are known.
- Flexibility to “ease in” to HIE – as policies and procedures gradually evolve over time.
- Built to quickly implement a community’s evolving requirements.
- Scalable, fully federated architecture adapts to evolving infrastructure demands.
- Extends with commercial Databases, Application Servers and others when needed.
- Works, is available now, no need to invest in, or wait for R&D.
- Configurable services allow quick response to changing community dynamics.
- Open Source, no escrow is required; Major upfront technology expenses are deferred
- OpenHRE™ communities benefit from collaboration, shared investment and reuse.
- OpenHRE™ incorporates the latest in standards and policy features derived from:
 - *Our participation as a Connecting for Health Technical Sub-Committee Member*
 - *Developing the Record Locator Service for CfH’s “Common Framework”.*
 - *Developing the Nation’s first Prototype demonstration of Information Exchange between 3 State health centers - Mendocino CA., Boston MA., Indianapolis IN.*
 - *Developing the Nationwide Health Information Network Prototype/HHS contract.*
 - *Implementing Multiple community/sub-network and State HIE initiatives.*

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Where Do We See Our Solution in 5 Years?

- Leverage an expansive community of interfaces
- Demonstrate a sustainable financial model
- Prove implementations of CfH model
- Support a mature and growing HHS/ONC NHIN
- Tightly integrate with existing EMRs
- Provide a user-customizable experience, much like My Yahoo
- Provide a Workbench and Graphical Tools that capitalize on the native configurability of OpenHRE™

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- **Lessons Learned**

- *Take Small Incremental Steps toward HIE*
- *Inventory available community systems and data*
- *Review/agree on initial data to exchange*
- *Begin pilot exchanges*
- *Learn what works and what does not from pilot – grow as value of HIE is discovered.*
- *Parallel effort / Sustainability Planning*

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Services

- **Management**
 - *Sustainability Assessment &*
 - *Development Planning*
 - *Business Planning*
 - *Board Development & Governance*
- **Organizational Development**
 - *Fund Raising*
 - *Management & Administration*
 - *Marketing Communications*
 - *Strategic Capacity Building*
 - *Program & Project Evaluation*
 - *Technical*
- **HIE/RHIO Technical**
 - *Requirements Capture*
 - *Architecture/ Design*
 - *OpenHRE™ Implementation*
 - *OpenHRE™ Configuration*
 - *Interfaces and Reports*
 - *Custom Development*
 - *Managed Hosting*
- **Support and Training**
 - *World-wide 24x7 support*
 - *OpenHRE™ subscription services*
 - *OpenHRE™ Development and Configuration Training courses*

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Discussion/Questions

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