ORACLE HEALTH SCIENCES INFORMATION MANAGER

The Oracle Health Sciences Information Manager includes extensible, open standards-based components built upon a reliable technology infrastructure for the secure exchange of electronic health information. A key component of Oracle’s Health Information Exchange solution, Oracle Health Sciences Information Manager empowers healthcare entities globally to reduce costs, to enhance revenues, and, most importantly, to improve patient care. Further, Oracle’s Health Information Exchange solution is helping providers in three vital areas: complying with governmental regulations; realizing a higher level of personalized healthcare; and in the U.S., meeting ‘meaningful use’ requirements.

Oracle Health Sciences Information Manager supports secure, policy-managed communications of health data over the Internet. Oracle Health Sciences Information Manager also enables organizations to make this data available for meaningful use and extend the power of personalized healthcare to the consumer. It facilitates the movement of data within privacy and regulatory guidelines in order to ensure patient trust. It complies with Integrating the Healthcare Enterprise (IHE) web services, the U.S. Federal Nationwide Health Information Network (NwHIN) XACML and Public Key management through the use of international standards. Oracle Health Sciences Information Manager provides benefits to patient care and enterprise business objectives by rapidly enabling the secure sharing of health information, when and where it's needed.

Dynamic Privacy Policy Resolution

More than ever, the emergence of personalized healthcare creates the need for dynamic adjudication of multiple privacy policies for each information request including policies based on Federal and State regulations, organizational policies, and policies related to individually- signed patient consent documents. Release of genetic information, as well as other Protected Health Information (PHI), may be used either for patient care purposes or for translational research purposes. However, the ability to release information for treatment, payment, and operations (TPO) is very different from the ability to release information for research.

Oracle Health Sciences Information Manager provides IHE-standards compliant Health Record Locator, also known as Document Registry, as well as a dynamic policy infrastructure that integrates privacy and security management into a single solution. Oracle Health Sciences Information Manager provides web services to business process management solutions via multiple components. These include a:

- Health Record Locator, compliant with IHE XDS.b document registry standards
- Health Policy Engine for XACML-based access consent policy decisions
- Health Policy Monitor compliant with IHE ATNA audit server standards
- Public Key Directory for “Direct Project” Secure Health Email support
**SUPPORTED IHE PROFILES**

- Cross-Enterprise Document Sharing (XDS.b)
- Multi-Patient Query (MPQ)
- Audit Trail and Node Authentication (ATNA)
- Consistent Time (CT)

**RELATED PRODUCTS**

The following complementary products and services are most often used with the Oracle Health Sciences Information Manager:

- Oracle Health Sciences Information Gateway
- Oracle Healthcare Master Person Index
- Oracle Healthcare Data Repository
- Oracle Identity Management
- Oracle SOA Suite for Healthcare
- Oracle Health Sciences Consulting

Key integrations include enterprise audit servers, portals, transformation engines, collaboration systems, and EHR systems. Oracle Health Sciences Information Manager may be extended with end-user applications, business process management solutions, and with data transformation services that also take advantage of the privacy and security capabilities available via standards-based web services.

**Ease of Installation and Management**

Oracle Health Sciences Information Manager provides a broad range of international-standards-based web services to HIE applications in a management and performance-optimized solution.

Oracle Health Sciences Information Manager supports secure electronic communication of health information. Its architecture includes multiple components that provide both data persistence capabilities and integration with consumer/provider end-user applications. In various implementation combinations, Oracle Health Sciences Information Manager supports federated HIE, including enterprise, regional, statewide, or national HIE models such as the US Nationwide Health Information Network (NwHIN) and enterprise “Direct Project” Secure Health Email deployments that might be highly distributed, highly centralized, or hybrid in nature. The NwHIN requires a set of standards, services and policies that enable secure health information exchange over the Internet; the Direct Project developed specifications for a secure, scalable, standards-based Secure Health Email for HIE participants (including providers, laboratories, hospitals, pharmacies and patients) to send encrypted health information directly to known, trusted recipients over the Internet.

Oracle Health Sciences Information Manager contains a Health Record Locator (HRL) service, also known as Document Registry or Record Locator Service. HRL service provides the capability to register patient document locations and serve these to requesting document consumers. In order to support governance, Oracle Health Sciences Information Manager includes an Audit Repository that maintains audit trails of all communications.

**Fully Integrated with Oracle’s Health Information Exchange Solution**

Oracle’s Health Information Exchange solution also includes the Oracle Health Sciences Information Manager, Oracle Health Sciences Information Gateway, Oracle Healthcare Master Person Index, and Oracle Healthcare Data Repository.

Oracle Health Sciences Information Gateway provides the secure communication infrastructure, as well as the dynamic policy infrastructure, that integrates privacy and security management into a single solution.

Oracle Healthcare Master Person Index provides a single point of reference to a patient, clinician, payer, or other healthcare entity within a healthcare organization or across HIE networks. It’s a comprehensive offering for the standardization, matching, cleansing, and profiling of individual entities, ensuring that data is capable of being retrieved regardless of how many systems reference this entity with different identifiers or names. The result: a single source of truth for healthcare entity/person management. Oracle Healthcare Master Person Index supports simple to complex patient identity resolution use cases and is natively compliant with relevant IHE profiles.
Oracle Healthcare Data Repository not only provides an IHE-compliant document repository function but also is able to create HL7 CCD-compliant patient summary documents from data originating in multiple source systems. Its Enterprise Terminology Service enables the Oracle Healthcare Data Repository to normalize terminologies within an extremely high-volume, high-performance, transactional environment.

In all, Oracle’s Health Information Exchange solution allows public sector Health Information Exchanges and Enterprise Health Information Exchanges to adapt and configure many federated, hybrid health information exchange models for communication of sensitive information over the Internet.

Contact Us
For more information about Oracle Health Sciences Information Manager, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

Hardware and Software, Engineered to Work Together