

Oracle Healthcare Master Person Index



KEY BENEFITS

- Improved care: Provides health systems with interoperability framework, leveraging care coordination for better outcomes
- Better Data Quality: Powerful and customizable matching and standardization engine ensures accurate and reliable data.
- Enhanced Governance and Risk Management: Compliance with IHE audit messaging and recording standards.
- Lower costs: Simplified licensing, standards based solutions, easy interfaces for configurations, and built-in tools for data quality.
- Assured Reliability: Proven high scalability and performance.
- High Interoperability: Successful participation in IHE Connectathons.

Oracle Healthcare Master Person Index (OHMPI) provides a single point of reference that includes information about the patient, clinician, payer, and other healthcare entities. This single point of reference enables real-time availability of unified, trusted data for strategic healthcare initiatives including: population health management, care coordination, patient satisfaction, and healthcare analytics. By leveraging the OHMPI solution, healthcare organizations can increase the coordination and communication for improved outcomes, reduced waste and lower costs across the care continuum.

Extensible and Configurable for Connected Care

As connected healthcare initiatives become imperative for health systems, and growth of disparate data sources and systems continues, health organizations need timely, accurate, and complete healthcare data at enterprise and cross-enterprise levels. With the expanding need for care coordination in the environment of fragmented information assets across various departments at multiple geographies, it is vital to have standards-based and accurately cross-referenced identification information. Oracle Healthcare Master Person Index (OHMPI) is a part of the suite of Oracle Healthcare solutions enabling organizations to ensure safe, effective, single resolution of patient/entity identity and unified demographics information across many systems that reference the entity with different identifiers or names.

OHMPI provides a variety of configurable, single view solutions. Users can easily configure and extend pre-packaged entity models, standardization, and matching rules to meet specific needs. Highly configurable survivorship rules ensure easy management of single best records. A customizable, open, standards-based solution, OHMPI integrates well with Oracle Healthcare products to deliver comprehensive solutions for health information exchanges (HIE), healthcare analytics, and population health management. It also interoperates easily with third-party products.

KEY FEATURES

- Maintains source of truth, while allowing distributed authoring and data ownership.
- Provides a flexible entity object model and configurable matching engine.
- Enables inferring and managing of relationships among entities.
- Offers non-programmatic interfaces for creating and configuring the application.
- Includes integrated data profiling and cleansing tools.
- Processes data updates from external systems in real-time.
- Propagates change events for consumption by source systems.
- Natively supports IHE profiles for patient identity and healthcare provider directories.
- Supports languages such as English, French, Spanish, Portuguese, and Chinese; and is extensible to others.
- Supports locales such as USA, UK, Australia, Mexico, Brazil, China, and France; and is extensible to others.
- Provides accurate, high performance and is extremely scalable.

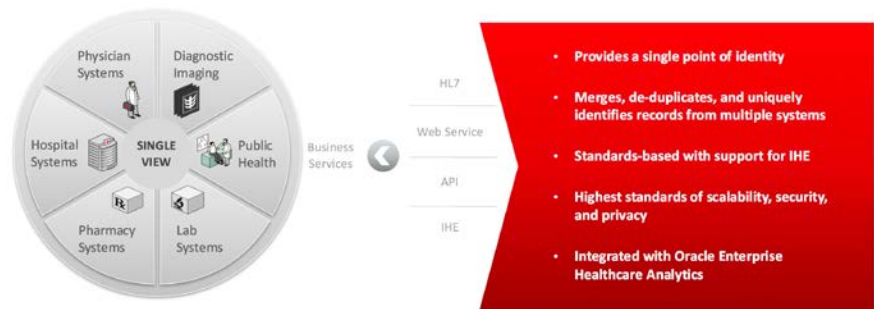


Figure 1: Interoperable and Enterprise level Master Person Index creates unique, complete and trusted healthcare entity data from various sources

Interoperability Using Integrating the Healthcare Enterprise (IHE) Profiles

OHMPI supports Integrating the Healthcare Enterprise (IHE) Profiles to achieve the IHE objectives of getting timely, accurate, and trusted medical information to healthcare professionals for better decision making and patient care. To assure interoperability with other vendors and healthcare organizations in the context of cross-referencing patient identity and making reliable patient demographics information available, OHMPI implements the following IHE profiles: Patient Identifier Cross Referencing (PIX), Patient Demographics Query (PDQ), Healthcare Provider Directory (HPD), Patient Administration Management (PAM), Audit Trail and Node Authentication (ATNA), and Consistent Time (CT). OHMPI employs a specialized implementation of HL7 messaging in support of native HL7 v2 and HL7 v3 messaging to facilitate information sharing in a health information exchange environment and reduce total cost of ownership.

Relationship Management for a Better Care

In a complex healthcare setting and patient-centric care environment, discovery/search of relationship information in a timely manner enable better care coordination, more accurate information sharing, and ultimately, improved care outcomes at lower costs. The Relationship Management module enables inference and management of relationships among healthcare entities such as: patient, care providers, and organizations. It allows automated discovery of related parties for better communications and decision making.

Extremely configurable, the Relationship Management module can rapidly build capabilities for management of any type of relationship. Users can easily customize the auto relationship capability to create rules for relationship discovery. In addition, a comprehensive set of Application Programming Interface (APIs) is available for users requiring advanced interaction with the Relationship Management module for integration with other applications. The module includes an intuitive, graphical interface for designing and searching for relationships using a subset of published APIs. A built-in and customizable synchronization with OHMPI domains ensures that users have accurate point of care information all the time for better decision making across the care continuum.

SUPPORTED IHE PROFILE

- Patient Identifier Cross Referencing (PIX) HL7 v2.
- Patient Demographics Query (PDQ) HL7 v2.x
- Patient Identifier Cross Referencing (PIX) HL7 v3
- Patient Demographics Query (PDQ) HL7 v3
- Healthcare Provider Directory (HPD)
- XAD-Patient Identity Change Management (XPID)
- Patient Administration Management - Patient Identity Management (PIM) and Patient Encounter Management (PEM)
- Audit Trail and Node Authentication (ATNA)
- Consistent Time (CT)

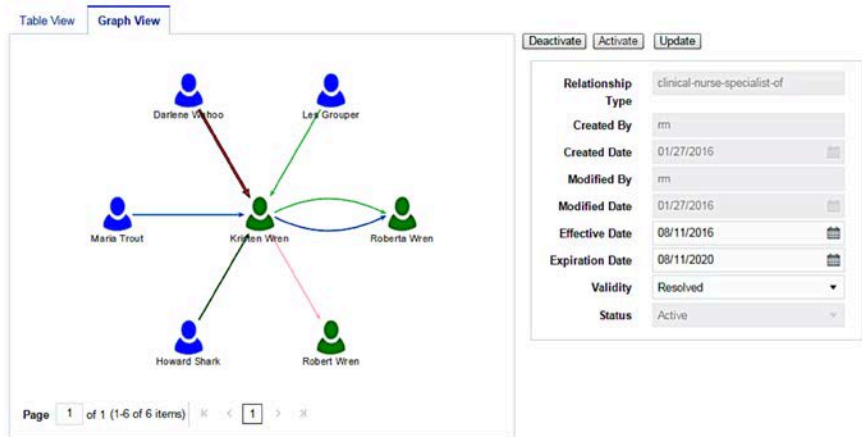


Figure 2: Graphical interface for easy relationship discovery and management

Advanced Matching and Duplication Elimination

OHMPI has powerful matching and standardization capabilities to identify and cross-reference unique healthcare entity records. This highly configurable and extensible engine allows complex data deduplication with extreme performance in real-time, enabling users to focus on making care decisions, not fixing data or finding accurate patient information. Using advanced, probabilistic, matching algorithms, the engine swiftly links records matching the automatic linkage threshold and identifies records not meeting that threshold, but that are close enough to be in the potential duplicate workflow. The workflow allows users to link the records manually or treat them as unique for downstream applications. Match fields, weights, and thresholds for automatic link and identification of potential duplicates are all configurable by the user.

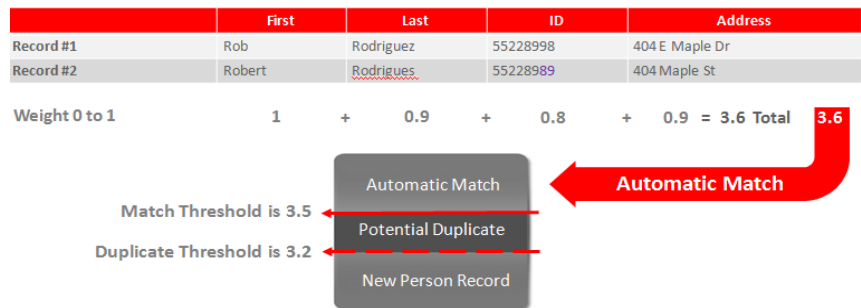


Figure 3: The match engine has configurable thresholds, identifies duplicate records and allows automatic link or manual review

Easy to Use Graphical Data Stewardship

OHMPI includes a rich, non-programmatic, browser-based, data stewardship interface for business users to manage master entity data. Business users and stewards can resolve potential duplicates, review automatic matches, and link/unlink enterprise data in one place for quick, ensured accuracy. An intuitive, side by side comparison enables easy resolution of data. The product supports extensive transaction logging and a variety of activity reports for audit and governance compliance.

Standards Driven Healthcare Provider Directory

OHMPI includes a solution for a standards-based Healthcare Provider Directory including individual and organizational providers. This solution implements the IHE Healthcare Provider Directory (HPD) profile. Options for accepting patient information feed and the ability to participate in federation are also supported. This solution enhances the healthcare organization's ability to identify healthcare providers, locate their details, and efficiently deliver comprehensive, safe, and timely healthcare services.

Easy Implementation, Scalable and Quick Time to Value

OHMPI is lightweight, fast, and easy to install in less than an hour. To simplify and reduce the cost of implementation, Oracle offers support and consulting services with specialized expertise in data profiling, cleansing, bulk-loading, and match engine configuration.

Deployed in some of the largest healthcare settings in the world, OHMPI can easily scale from small projects to massive, nationwide implementations covering population upwards of 300 million. It is the trusted platform to develop, deploy, and manage single view applications. OHMPI can be deployed on any edition of Weblogic Server and Database Server, including Exadata and Exalogic instances.

Interoperability for Better Outcomes at a Lower Cost

Oracle has decades of experience with many of the world's healthcare systems and has implemented OHMPI holding vast amounts of patient records. This experience, combined with the domain expertise of physicians, nurses, and healthcare data analysts, has enabled Oracle to provide healthcare organizations of all sizes with a reliable platform to develop, deploy, and manage care for populations.

OHMPI improves patient care through an integrated, consistent, and a single view of a person or of any other entity across the organization. A single view of the patient across systems and data sources results in greater levels of patient and provider experience, increasing engagement, loyalty, retention, and revenue., OHMPI increases interoperability within and across organizations. It enables health systems to improve care, improve outcomes, and reduce costs across the continuum of care.

CONTACT US

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