

Oracle Healthcare Master Person Index

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 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, increased patient safety, and lowered costs across the care continuum.

Extensible and Configurable for Interconnected Care Delivery

As connected healthcare initiatives become imperative for health systems and the number of disparate data sources and systems continue to grow, health organizations need access to timely, accurate, and complete healthcare data across the enterprise. With the expanding need for care coordination in the environment of fragmented information assets across various segments of the healthcare ecosystem, it is vital to have standards-based and accurately cross-referenced identification information. Oracle Healthcare Master Person Index (OHMPI) is a crucial part of the suite of Oracle Healthcare solutions. It enables 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 Benefits

- **Improved care:**
Provides health systems with interoperability framework, facilitating 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 Connect-a-thons

Relationship Management for Better Care

In a complex healthcare setting and patient-centric care environment, discovery and 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 change of relationships among healthcare entities such as: patient, care providers, and organizations. It allows discovery of related parties for better communications and decision making.

Versatile and configurable, the Relationship Management module can rapidly build capabilities for management of any type of relationship. 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.

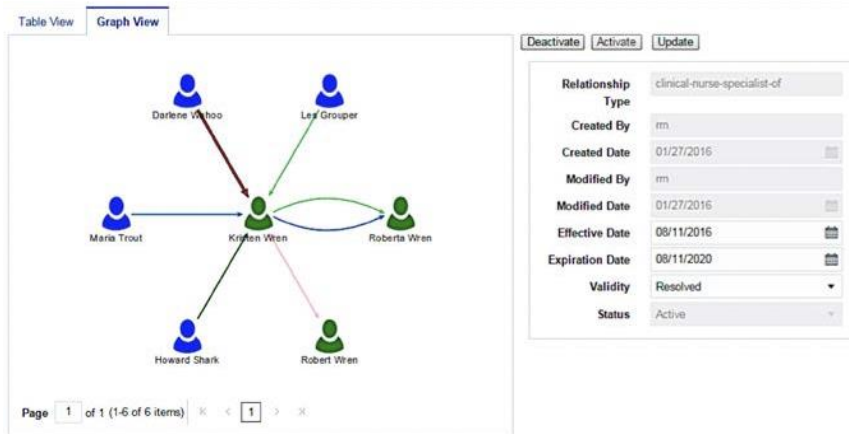


Image 1. Graphical interface for easy relationship discovery and management.

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.

Advanced Matching and Duplication Elimination (continued)

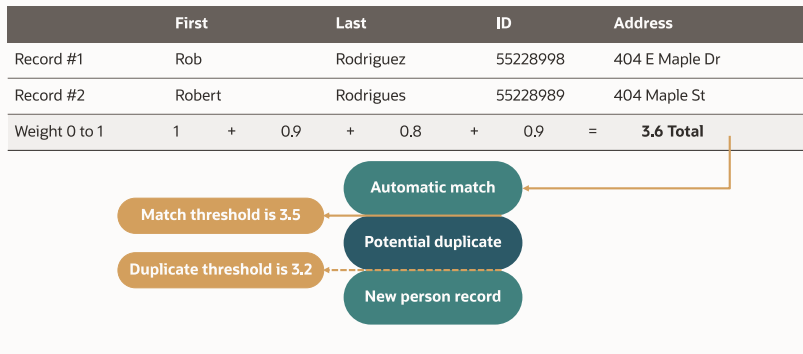


Image 2. The match engine has configurable thresholds, identifies duplicate records and allows automatic link or manual review. In this example, the records are an automatic match.

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.

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.

SUPPORTED IHE PROFILES
Patient Identifier Cross Referencing (PIX) HL7 v2
Patient Identifier Cross-Reference for Mobile (PIXm)
Patient Demographics Query (PDQ) HL7 v2
Patient Demographics Query for Mobile (PDQm)
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)

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 multiple languages including 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

Integrating the Healthcare Enterprise (IHE) Profiles (continued)

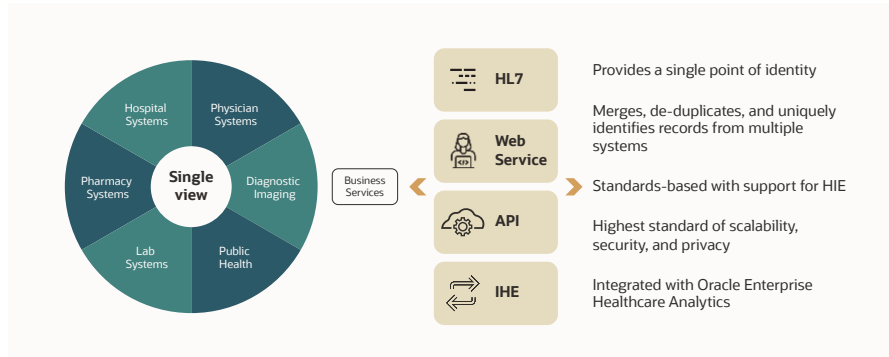


Image 3. Interoperable and Enterprise level Master Person Index creates unique, complete, and trusted healthcare entity data from various sources.

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. For more information about IHE, please download the [IHE Integration Statement](#).

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