



OaCis Enterprise Master Patient Index (EMPI)

Consolidated records for safer care

Delivering safe, high quality patient care in today's complex healthcare environment is challenging at best. For any given clinical event there may be several physicians, multiple nurses, and various other care providers involved in a patient's treatment and ongoing care. It's also common that a patient being treated at one facility actually started at another – with records created at both. With so many people involved, it isn't surprising that duplication of patient records occurs routinely.

To deal effectively with the issue of duplicate records, the OaCis enterprise master patient index (EMPI) quickly and efficiently links duplicate patient records into one master record, thereby facilitating a complete, accurate, and consolidated view of a patient's medical history. Designed solely for the unique requirements of hospitals, clinics, and regional health organizations, the EMPI helps to consolidate vast amounts of patient information within and across facilities, enabling healthcare providers to make faster, more informed decisions, improve productivity, and deliver enhanced services across the continuum of care.

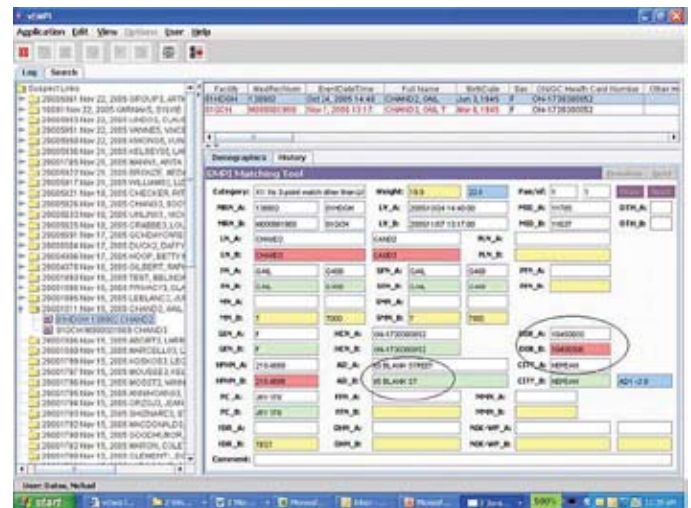
Highly efficient identity resolution engine

Through a sophisticated matching algorithm and configurable matching criteria, OaCis EMPI systematically consolidates and eliminates duplicate patient records within healthcare facilities and across geographical regions, regardless of the registration systems used.

OaCis EMPI delivers value across the enterprise and throughout the community

Value to patients

- **Increases convenience and peace of mind** by ensuring that the patient's record is consistent and complete, no matter where care is provided in the region. With a unique patient identifier across facilities, patients don't have to repeatedly provide their demographic information each time they require healthcare services.



EMPI Group Review Application

Value to care providers

- **Increases patient safety** by ensuring that clinicians have access to a complete health record.
- **Improves clinical efficiency** by linking duplicate patient records resulting in reliable, easy, direct access to consolidated information. Clinicians need not waste time searching for hidden or missing information.

Value to health information management (HIM) staff

- **Easy to comprehend.** EMPIs that are not developed specifically for healthcare settings can make it extremely difficult to discern how/why records have been consolidated. The OACiS Group Review application, as well as the audit process, was designed solely for HIM professionals. It uses simple terminology for ease-of-use and leverages a customizable, intuitive graphical user interface to provide visual cues for quick assessment of suspected duplicates. Suspected duplicate records are electronically presented for review along with a clear probability measure. Therefore, users instantly comprehend why records were linked or should be linked. The un-link function restores the integrity of the original patient records when a link was performed in error.
- **Adaptable end-user personalization.** Flexible tools enable users to add evaluation variables such as mother's maiden name, father's first name, family doctor, former last name and more. There's also extensive capability to fine-tune individual components of the matching algorithm to maximize accuracy in the context of the customer's unique operating environment.
- **Saves time and increases efficiency.** Linking duplicate patient records either automatically or through human review results in substantial time and cost savings. Corresponding merging and unmerging of patient clinical data can also occur downstream, within the OACiS CDR and other enterprise systems such as EMRs or departmental and clinic systems. This facilitates fast information exchange and immediate updates throughout the facility and across the region.

Value to information technology staff

- **Fresh Technology.** The OACiS EMPI platform is highly scalable and can accommodate massive throughput of transactions. Moreover, its Group Review application is engineered in Java-web thus making it easy to access, and low-cost to deploy and maintain. And the EMPI comes with a built-in, HL7 compliant Integration Gateway which makes it easy to connect with any and all systems.
- **Simple to configure and maintain.** Built specifically for healthcare settings, OACiS provides an off-the-shelf matching engine that leverages a popular, statistically proven mathematical algorithm for identifying duplicate patient records. Flexible matching criteria include key patient identifiers such as: sex, birth date, telephone numbers, enterprise facility codes, social security number, and much more. Various data fields can be weighted for greater accuracy.

Information for life

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