EMPI Patient Matching Solution
Product Use Cases:
Epic Electronic Health Record Integration
Enterprise Master Patient Index (EMPI)
Product Overview

NextGate can break down the patient identification barriers and resolve questionable records quickly, regardless of patient name or identifier complexity. The NextGate Enterprise Master Patient Index (EMPI), rated #1 by KLAS, is the gold standard in patient data matching, designed specifically for healthcare's unique data and workflow requirements.

An EMPI correlates patient identifiers from different systems and settings, like EMRs, IDNs, HIEs and ACOs to:
1. Reduce duplicate patient records
2. Minimize manual matching and data entry errors
3. Enable accurate data sharing for physicians
4. Provide a foundation to support future growth and partnerships
5. Enable a data governance strategy that can quickly align and integrate new data sources from M/A activity

NextGate is well-versed in reducing duplicate records within the Epic EHR technology. This knowledge and experience brings efficiencies in EMPI implementation plus a product support team that can quickly address and answer questions. The following use cases outline the results and user experiences for healthcare organizations who have adopted the Epic Electronic Health Records system.

Use Case: Mississippi Division of Medicaid (DOM)

Challenge

Mississippi Division of Medicaid (DOM) was looking to improve care quality, fuel more informed clinical decision making and manage data electronically for Mississippi Medicaid patients. To accomplish this Mississippi DOM took steps to:

- Establish one of the nation’s first interfaces between Medicaid and Epic to share Medicaid clinical data with the state’s largest Medicaid provider
- Create a single identifier for each Medicaid beneficiary
- Provide University of Mississippi Medical Center doctors with an electronic medical history of DOM patients including their medications, diagnoses and allergies

Today's Use of EMPI with Epic Integration

DOM has become the nation’s first Medicaid agency to send and receive clinical data in real-time with a health system using the Epic medical records system. MedeAnalytics partnered with NextGate to create an EMPI and single patient identifier. Through data analysis and deduplication of more than 2.3 million records, Mississippi DOM now has a single-identifier for over 750,000 Medicaid and Children's Health Insurance Program (CHIP) beneficiaries. Medicaid providers can now access trusted and consistent data from a state-wide MPI that allows administrators to easily manage a patient's longitudinal record. The agency now provides Medicaid data to the state’s largest provider of care to Medicaid patients, the University of Mississippi Medical Center.

Use Case: HealthCare Partners Medical Group

Challenge
HealthCare Partners Medical Group is a role model for integrated and coordinated care, leading the transformation of the national healthcare delivery system to assure quality, access, and affordable care for all. HealthCare Partners collaborates care delivery with affiliated physicians and needed a centralized location for practice information and a provider registry for all of their affiliated physicians.

With over 2 million patient files lacking unique patient identifiers, HealthCare Partners was also dealing with duplicate records, and merging IT systems added to the complexity of their patient records database that needed cleanup.

Today's Use of EMPI with Epic Integration
HealthCare Partners implemented NextGate's EMPI patient matching technology for unique patient identification and the provider registry to:

- Consolidate and sync provider data
- Assert control over global HealthCare Partners patient and provider data, with the ability to define patient and provider relationships
- Better manage individual providers, roles, credentials, and also complex organizational structures and affiliations such as IPA's, ACO's or clinically integrated networks

HealthCare Partners now has a data management and governance system in place to improve accuracy of data warehouse, track patient Health Plan ID across systems, accelerate physicians’ involvement when patients are admitted, expedite physician referrals and consolidate data from merger activities.
Use Case: Integrated Delivery Network (IDN)

Challenge

With over 24 million patient records accounting for 10 million unique patients, a large IDN in New York sought a stronger data governance umbrella and data entry and management efficiencies for their massive healthcare environment. Key challenges included:

- Connecting and identifying patient and provider data from 17 different acute care facilities
- Reducing duplicate records from multiple applications assigning patient IDs
- Deciphering complex patient names and identifiers from a diverse community with over 100 different languages spoken
- Reconciling provider information that was incomplete, disjointed, and missing a truly consolidated and current “at a glance” view of a patient’s entire care team

Today’s Use of EMPI with Epic Integration

Their Epic EHR system was only one layer of patient and provider matching and had limitations supporting the data clean up needs across their entire enterprise. With this healthcare system’s complex data and patient care environment, they turned to NextGate as the leader in patient and provider data matching and consolidation to drive this undertaking to:

- Provide a central patient index across systems that brought single “Assigning Authority” for key users
- Incorporate Active Integration into their processes so users can access the EMPI at the point of registration
- Produce an “at a glance” view of a patient’s care team with provider information
- Reduce duplicate records and feed accurate and matched data into their patient portal and participating HIEs

A holistic, truly interoperable data environment allowed this hospital system to not only match patient and provider records, but bring standardization to new and incoming patient and provider records. Care transitions and collaboration have improved with accuracy in the providers assigned to each patient, enabling simplified and prompt actionable notifications.

In addition to the data clean up benefits, there has been an improvement in patient safety and quality, driving reduced clinical risks, duplicative efforts, and administrative burdens in time spent searching for patient and provider information.
EMPI Patient Matching Solution
Product Use Cases:
Cerner Electronic Health Record Integration
Enterprise Master Patient Index (EMPI)  
Product Overview

An Enterprise Master Patient Index correlates patient identifiers from different systems and settings, like EMRs, IDNs, HIEs and ACOs to:

1. Reduce duplicate patient records
2. Minimize manual matching and data entry errors
3. Enable accurate data sharing for physicians
4. Provide a foundation to support future growth, partnerships, and data governance

Even for the most diverse patient populations with complex names and identifiers, NextGate can break down the patient identification barriers and resolve questionable records quickly. The NextGate EMPI, rated #1 by KLAS, is the gold standard in patient data matching, designed specifically for healthcare’s unique data and workflow requirements.

NextGate is well-versed in reducing duplicate records within Cerner EHR technology. This knowledge and experience brings efficiencies in EMPI implementation plus a product support team that can quickly address and answer questions. The following use cases outline the results and user experiences for healthcare organizations who have adopted the Cerner Electronic Health Records system.

Use Case: MidMichigan Health  
A Non-Profit Health System

Challenge

MidMichigan Health is a non-profit health system headquartered in Midland, Michigan and affiliated with the University of Michigan Health System. Recently named one of the nation’s 15 Top Health Systems® by Truven Health Analytics™, MidMichigan Health operates medical centers that cover a 20 county region. This health system includes home care and a Physicians Group which offers urgent care and medical offices with more than 31 specialties and subspecialties.

With multiple data sources and points of entry for patient records, MidMichigan Health uncovered duplicate patient records and inconsistencies in patient identifiers and data entry across all hospitals, home care, outpatient clinics, nursing homes, and subsidiaries. Looking to streamline patient identity management, MidMichigan sought a strategic partner.

Today’s Use of EMPI with Cerner Integration

MidMichigan Health turned to NextGate to solve their patient identity and data management challenges. With the NextGate EMPI, MidMichigan Health can confidently populate and enable patient, provider and scheduling data for the MyMidMichigan patient portal. Improving access to quality and trustworthy patient data empowers patients with knowledge and awareness to better manage and understand their healthcare plan. Better data has improved patient safety and collaboration amongst MidMichigan providers, helping them achieve their status as Top Performers on key quality measures by the Joint Commission.
Use Case: Hospital with HIE Integration

Challenge

A large hospital in the Northeast began integration and implementation into their State’s newly awarded Health Information Exchange. Being the technology provider for the HIE, the hospital needed a solution that could provide a unique patient identifier that stays with an individual across all the healthcare systems in the State. NextGate is the market leader in patient identity management, offering EMPI solutions that can easily integrate into the Cerner EHR adopted by the hospital. In addition to the HIE technical integration, this hospital customer sought data connectivity with accurate patient records that could support its patient portal. Project goals included:

- Patient identity records and data entry processes that will scale to meet the HIE requirements
- Technology that can support and easily accept new data sources
- Ability to standardize and quickly integrate data from partnership affiliations and other growth initiatives

Today’s Use of EMPI with Cerner Integration

The NextGate EMPI has automated data entry processes, which mitigates manual errors, staff intervention and matching discrepancies while bringing administrative efficiencies to the hospital staff. This patient matching solution is also scalable and supports future growth for the broader patient and provider community with any increase in HIE participation. Additional results include:

- Index of patients and source of truth across HIE participants
- Secure exchange of accurately matched and sensitive data
- Real-world workflow support for physicians and care team users
- Field-level role based security to support data governance
- Non-invasive integration to current systems and processes
- PIX/PDQ integration
- Cost effective solution

"Being able to identify a patient quickly and accurately is crucial to our ability to provide high quality of care. The NextGate indexing software was easily integrated with our growing HIE infrastructure to help us extract the full value from our electronic medical records (EMRs). It is further allowing us to establish EMR connections with the wider community of physicians in our state."

IT Integration Director and Chief Architect