

Information Builders Omni-Payer and Teradata

HEALTHCARE



With Information Builders' Omni-Payer and a Teradata® enterprise data warehouse, health insurers can increase HEDIS scores and CMS Star Quality Ratings (and much more) by providing a 360° view of members.

Omni-Payer™ from Information Builders is a Member Information Management solution that enables healthcare payers to get a 360° view of every member. Payers can collect clinical data from siloed, incompatible systems and unify it with claims and operational data from internal sources. At the same time they can optimize the consistency, completeness, and accuracy of that information and make it available to stakeholders in a consumable way. The Omni-Payer clinical data can be provisioned on a Teradata data warehouse platform provides optimal access to leverage these high-quality data sets across an organization.

Omni-Payer involves a level of rigor beyond what payers experience with ordinary EMR and claims systems. This includes tight subject-to-subject references, harmonization of different code sets, and the implementation of industry-standard codes. It can also enforce mandatory data elements to understand what was done, by whom, where, and when.

Answering the Need for More Complete Data

The shift toward value-based healthcare is forcing health insurers to adopt a more member-centric business model. While claims processing once drove their business, payers now must adopt a member-centric business model—which means they need fast, efficient, economical ways to tap into clinical data from providers.

Programs intended to ensure better outcomes, such as reimbursements based on the Healthcare Effectiveness Data and Information Set (HEDIS) and the Centers for Medicare and Medicaid Services' (CMS) Five-Star Quality Rating System, add more incentives for payers to get an accurate and broad view of every member.

Omni-Payer and Teradata

The Need

To meet the growing demands on payers, organizations require a more complete view of their members, which frequently involves integrating data from multiple, often incompatible, sources and harmonizing diverse code sets.

The Solution

Omni-Payer from Information Builders, using a Teradata Database, provides a robust platform that gives healthcare providers a 360° view of each member. This member-centric model helps payers maximize their benefits from programs intended to ensure better outcomes and provide reimbursements.

The Benefits

- Data store flexibility to work across data forms and structures.
- Support for ad-hoc queries and deep analytics.
- Scalability for data and support of concurrent users.
- Data governance.
- Data security.

TERADATA.

A member-centric strategy starts with a single view of the member across every business domain: facilities to which they have been admitted, providers and organizations that have treated them, and all related claims and clinical information. That means a lot of data coming in a lot of formats from a lot of places. This data needs to be seamlessly integrated, cleansed, and correlated with data from other domains and then made readily available across the enterprise. Omni-Payer and Teradata are unmatched clinical data integration and analysis capability within the healthcare industry.

Providing a 360° View of Every Member

With Information Builders' Omni-Payer and a Teradata enterprise data warehouse, health insurers can increase HEDIS scores and CMS Star Quality Ratings, ensure better company financials, better manage chronic care patients, enhance clinical practices to improve outcomes, and

support coordination of care by providing a 360° view of members. This view is gained through Omni-Payer's comprehensive solution set, and the Teradata data store, which help health insurers to:

- **Integrate Data.** Integrate data from physicians' offices, hospitals, nursing homes, and telemedicine sources, among many others.
- **On-board from Diverse Forms.** Easily on-board provider data in diverse forms, including CCD documents, EDI, HL7, and flat files.
- **Clean Data.** Clean and enrich data to provide a complete and accurate picture of every transaction.
- **Share Data.** Create an environment for sharing timely and accurate clinical information with providers.
- **Analyze Data.** Enable analysis of outcomes across providers and facilities.
- **Eliminate Code Chaos.** Eliminate "code chaos" by enforcing a single set of codes.

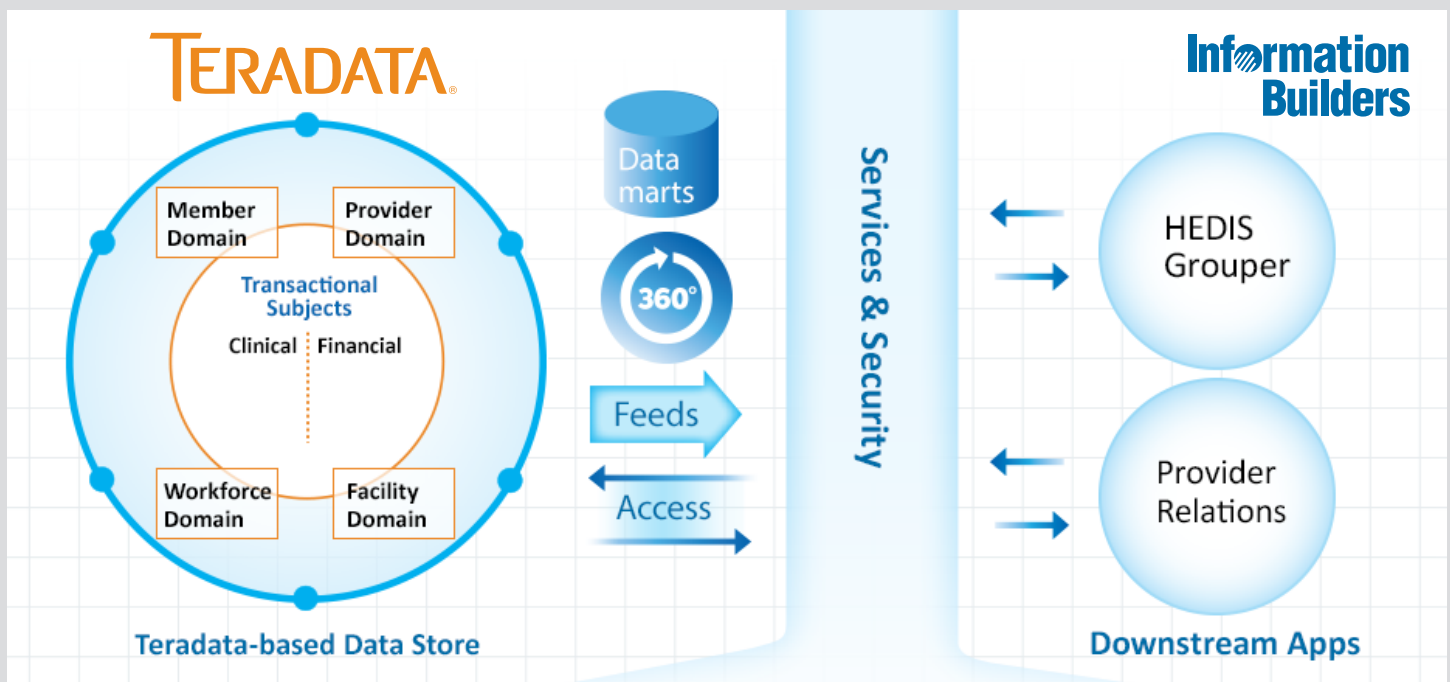
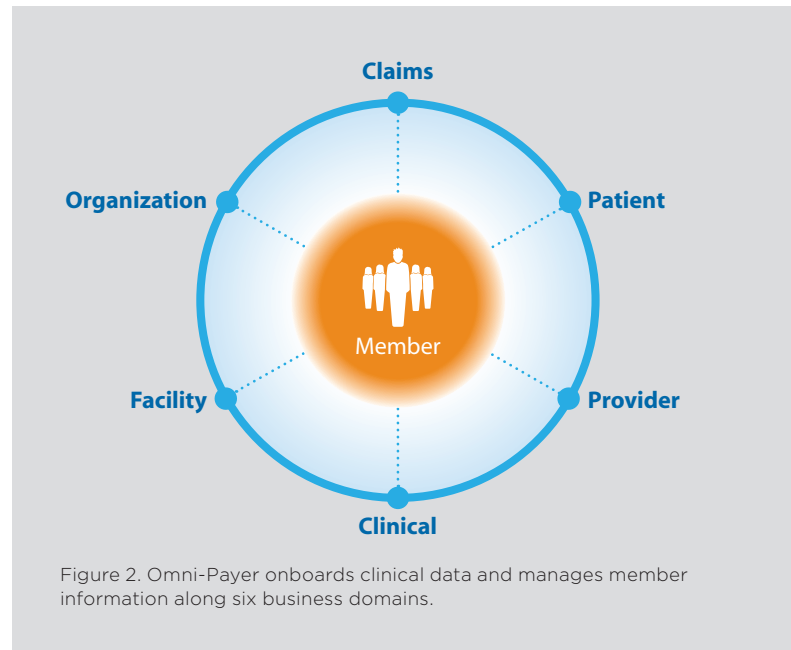


Figure 1. Omni-Payer, with a Teradata data store, makes it easy to provide integrated, high-quality, mastered data for downstream processes that need it.

Supporting Multiple Domains

Omni-Payer provides data models and processing, quality, mastering, and remediation rules—including your own custom rules—across the master domains payers require, including:

- **Clinical.** Includes a set of transactional subjects that cover patient care, such as diagnoses, encounters, episodes, and care plans. This domain enables analysis of clinical events, patient movement, and diagnosis, and provides details about orders and procedures.
- **Claim.** Includes transactional claim-related data, containing attributes related to healthcare services coding. This domain shows financial histories related to clinical, patient, and other domains.
- **Member.** Contains mastered data specifying the member's relationship with the payer, including attributes related to demographics and plan information. This information may be used for marketing and contact purposes when it is related to information in the patient domain.
- **Patient.** Contains mastered data for a patient, including attributes such as clinical disposition, habits, allergies, and demographic data. This information, when combined with the clinical domain, can provide a 360° view of the treatments and outcomes for a specific patient.
- **Provider.** Contains mastered data related to providers, who can be physicians or other caregivers, and includes attributes such as contact information and credentials. This domain can help Omni-Payer users identify successful providers as well as those who need additional guidance.
- **Facility.** Includes mastered data to describe where patient care was delivered and in what setting it took place, including inpatient, ambulatory, outpatient, home, and other locations. This information can help a payer uncover any abnormalities or gaps in care for a particular member, or identify issues at specific facilities or facility types.
- **Organization.** Contains mastered data about an organization, including attributes such as contact information, identifiers, and relationships. The information in this domain enables the payer to map a complete organizational hierarchy.



Teradata plus Omni-Payer: A Powerful Platform

Combining Omni-Payer with the Teradata relational database produces a powerful platform with a number of benefits, including:

- **Data Store Flexibility.** Information Builders deploys Omni-Payer using Teradata as its master data store because of the flexibility Teradata enables in working across data forms and structures, making it ideal for incorporating transactions, performing analytics, and instantly adapting to changing industry needs. The combination of Omni-Payer and Teradata enables payers to have high-quality data available in one place for use across a myriad of planned, as well as unplanned, operational and analytical scenarios. Data flexibility supports rapid time to market, especially in cases where new data solutions are required.
- **Support for Ad-Hoc Queries and Deep Analytics.** Omni-Payer deployed with a Teradata data store provides robust support for non-standard, or ad-hoc, queries, enabling users to explore data to identify best practices and other high-value correlations to enhance the delivery and administration of healthcare. The platform also supports the throughput needed for massive complex queries and deep analytics.

- **WebFOCUS Intelligence.** Omni-Payer is supported by WebFOCUS, the Information Builders comprehensive business intelligence and analytics platform, which offers easy-to-use BI, business analytics, and performance management capabilities. The world's largest BI applications run on WebFOCUS.
- **Data Scalability.** The massively parallel processing (MPP) hardware on which the Teradata Database runs is designed around a shared-nothing architecture. This architecture provides an unmatched foundation for scalability and performance that has been proven across the healthcare and life sciences industries. Teradata readily supports performance and scalability across multiple workload and data volume dimensions.
- **Concurrent User Scalability.** The combination of Omni-Payer and Teradata can support performance of large and complex workloads against massive amounts of data by hundreds of thousands of concurrent users.
- **Teradata Parallel Transporter.** Omni-Payer takes advantage of the Teradata Parallel Transporter (PT), a parallel load environment, provides access to diverse data sources from a single interface. Teradata PT enables high volumes of data load throughput from many data sources into the Teradata platform.
- **Data Governance.** Teradata and Omni-Payer are integrated to help organizations establish a solid governance structure to prioritize, validate, and manage strategic and tactical data, including tracking how, when, and by whom data was received, created, accessed, modified, or formatted. Payers can integrate their own, as well as industry-standard, business rules.
- **Data Security.** Teradata systems are regularly deployed, operated, and accredited in compliance with rigorous information and data security standards including the PCI Data Security Standard, U.S. DoD DIACAP, and DISA Security Technical Implementation Guides, HIPAA security and privacy rules, FDA 21 CFR Part 11, Common Criteria, and others.

About Information Builders

Information Builders helps organizations transform data into business value. Our business intelligence, integration, and data integrity solutions enable smarter decision making, strengthen customer relationships, improve performance, and drive growth.

For more information, please call us at (800) 969-4636, or visit our web site at Informationbuilders.com.

About Teradata

Teradata helps companies get more value from data than any other company. Our big data analytic solutions, integrated marketing applications, and team of experts can help your company gain a sustainable competitive advantage with data. Teradata helps organizations leverage all their data so they can know more about their customers and business and do more of what's really important. Visit Teradata.com.

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