

Oracle Health Data Intelligence

Insight to impact: Making data actionable for patients, payers, and providers

As healthcare evolves and patient expectations increase, organizations look to technology to help see the holistic landscape. Regulatory, quality, and financial management are critical for today's healthcare organization. Whether your payment structure is fee for service or value-based care, you need an accurate platform to help you reach performance year goals—close care gaps, increase revenue with new patients, track cost and utilization, and maximize reimbursements.

To overcome these challenges many healthcare organizations source solutions from multiple technology partners to get the data and solutions needed to run efficiently. Unfortunately, a lack of system interoperability often leads to efficiency loss and higher operating expenses—from having to manage multiple systems and partners—while leaving vast amounts of data left in a non-useable form thus hindering meaningful organizational change.

To meet industry demands and help modernize the care delivery experience across the entire health system—spanning providers, payers, pharma, life sciences, and research—Oracle Health has developed Oracle Health Data Intelligence. Health Data Intelligence is the only platform offered by a cloud service provider integrating EHR and back-office solutions.

Health Data Intelligence can replace and help you move beyond multiple point solutions, such as business intelligence (BI) and enterprise data warehouse (EDW) solutions, and integrate longitudinal patient data into customer relationship management (CRM) applications for seamless patient outreach with a single, comprehensive operating platform for all health systems.

Health Data Intelligence works for any business model, payer type, and patient, anywhere in the world where the platform is available.

Powered by Oracle Cloud Infrastructure (OCI), Health Data Intelligence is hosted on one of the most secure cloud environments available, offering healthcare organizations access to the same mission-critical cloud capabilities on which Fortune 100 organizations in other highly regulated industries rely every day.

Built with Oracle Analytics Cloud and artificial intelligence (AI) services at its core, Health Data Intelligence enables efficiencies that help limit care team burnout and workflow automation to help facilitate patients receive optimal attention and high quality care.

As an EHR-agnostic platform, Health Data Intelligence can help you advance population health and enhance care delivery by unifying data from disparate sources in a single, out-of-the box solution. Health Data Intelligence helps support effective, efficient care teams through predictive and prescriptive patient prioritization and delivers a comprehensive view of your patients and populations, enabling you to focus on enhancing patient care and supporting operational and financial goals versus managing technology.

Your all-in-one patient and health data platform

- Streamline your back-office and point-of-care workflows by bringing patient-specific recommendations and population insights directly to care team members while leveraging analytics and generative AI.
- Enable efficiencies that help limit care team burnout and automate workflows to support patients receiving optimal care quality at the right time.
- Leverage a full suite of solutions designed to help you view clinical program performance, network capacity, workforce utilization, and revenue opportunities.
- Address quality performance requirements using pre-built reporting, analytics services, and embedded clinical solutions that enable point-of-care hierarchical condition category (HCC) coding.
- Support cost reductions and help enhance patient care with quality measure configurations, application programming interfaces (APIs), pre-built and extensible tools, and out-of-the-box workflows.
- Leverage AI to help identify care gaps and potential poor patient outcomes, and review contracts to generate insights and suggest actions to help enhance patient care while avoiding high costs for patients in value-based care programs.
- Connect Oracle and third-party systems to uncover opportunities for optimizing your referrals, billing, and population health management.

Healthcare is complex, your data doesn't have to be

- **Ability to scale with confidence:** Health Data Intelligence has the clinical staff and technology expertise to help you accelerate innovation and deliver actionable insights.
- **Single solution for optimal front-line, back-office, and systemwide operational and financial performance:** Health Data Intelligence is the only cloud-scale health data platform that seamlessly integrates with the Oracle Health Millennium Platform and Oracle Fusion Applications* and leverages learnings from clinicians and patient encounters from more than 115M records¹ in the Oracle Learning Health Network, as well as third-party EHRs, and BI tools.
- **Lower total cost of ownership:** Health Data Intelligence's total cost of ownership is approximately four times lower when compared with homegrown systems on a per member per month (PMPM) cost.²
- **Expansive patient database:** Health Data Intelligence encompasses a patient database with more than 600M³ patients globally.
- **AI is in our DNA:** While other healthcare technology suppliers are starting to incorporate AI into their solutions, Oracle has leveraged and invested in AI since its inception.
- **Secure, fully managed support:** Health Data Intelligence enables you to simplify your operations without sacrificing security with a fully managed, end-to-end suite of healthcare solutions hosted on Oracle Cloud Infrastructure (OCI), the autonomous database trusted by some of the largest and most sophisticated businesses, national defense agencies, and governments around the world.

*Integration with Oracle Fusion applications is not available today, but it is targeted for the future.

¹As of June 2024

²Comparing Oracle Health Data Intelligence PMPM to the estimated PMPM for a 100,000-member network, including personnel and hosting at a leading cloud provider. As of January 2024.

³As of September 2024



Oracle Health has developed Health Data Intelligence to provide a modular suite of SaaS solutions, services, and analytics fully managed by Oracle Health professionals, comprised of three core solutions.



Oracle Health Analytics Intelligence

Curate data, create comprehensive longitudinal patient records, and leverage pre-built reports, analytics, and AI and machine learning (ML) models to support informed decision-making.



Oracle Health Clinical Intelligence

Leverage actionable, EHR-agnostic population insights that support enhanced clinical and quality outcomes and optimized financial performance.



Oracle Health Care Coordination Intelligence

Connect care teams to support enhanced patient care and engagement and foster optimal patient experiences.

The three solutions offer competitive capabilities for quality performance, care management, and health analytics, providing the rapid value and low total cost of ownership typical of cloud-native, on-demand software, while retaining the flexibility of an extensible, enterprise data platform.



Oracle Health Analytics Intelligence

Organizations are continuously challenged in obtaining actionable insights—spending countless hours and resources analyzing data from various sources to be able to measure the successes about which they care—enhancing patient care and reducing costs. Oracle Health Analytics Intelligence is much more than a data warehouse; it's a SaaS-based, self-service EDW and analytics solution that enables you to access patient longitudinal records derived from curated data. With out-of-the-box, prebuilt reports, analytics, and AI and ML models, the solution continually delivers actionable insights into clinical workflows and directly to patients.

“We wanted to be able to use Oracle Health Data Intelligence, because of the ability for us to use multiple different sources. It's an incredible tool! With St. Joseph's ability to utilize this platform, we're able to take all the information, pull it together and then make smarter choices to make our patients healthier in the future.”

Beth Kushner

DO CPC PCO, Chief Medical Information Officer, St. Joseph's Regional Medical Center

Let Oracle aggregate, cleanse, and normalize your data so you don't have to!

- Streamline data integration by strengthening the data foundation, normalizing and standardizing your source data, and aggregating diverse data types, such as EHRs and claims, into a single source, so you don't have to invest in doing it internally.
- Support enhanced productivity by securely connecting enterprise data with healthcare data and generating reports and dashboards using visualization tools (Oracle Analytics Cloud), delivering actionable insights to help you enhance patient care and reduce costs of care.

Uncover insights that can lead to enhanced patient care and improved financial outcomes

- **Third-party integration and machine learning:** Create and deploy ML models directly within the data warehouse and integrate them with Oracle solutions and third-party tools and applications through our open infrastructure.
- **Actionable data:** Compare performance, identify trends and outliers from disparate platforms, and present outcomes using customizable dashboards, key performance indicators, pre-built analytics content, and EDW tools.
- **End-to-end, self-service EDW solution:** Elevate your data, tools, and talent resources with an end-to-end, self-service solution offering EDW capabilities—we can serve as the centralized manager of all your EDW needs, either as the EDW partner or by helping you manage multiple third-party EDWs.



Oracle Health Clinical Intelligence

Oracle Health understands enhancing your value-based care initiatives is a top priority. Whether you're a small or large organization, it's a challenge to keep up with chronic conditions and evolving regulations while meeting patients in their health journey and maintaining profitability. Oracle Health Clinical Intelligence helps empower your team to improve care quality while maximizing financial performance with multi-source, EHR-agnostic, population insights. With Clinical Intelligence, you can uncover social determinants of health, quality care gaps, diagnosis considerations, and readmission risks to help support optimal workflows and AI-based patient prioritizations and insights.

Support strong financial and operational performance and regulatory compliance

- Streamline your strategic planning by using population insights and yearly progress monitoring to identify opportunities to help you close care gaps, enhance patient outcomes, and achieve quality management goals.
- Help enhance care by delivering actionable point-of-care insights within your workflows, giving you visibility into care gaps and enabling on-target care recommendations.
- Help reduce costs and increase efficiencies while maintaining certifications* with an out-of-the-box solution comprised of hospital and ambulatory quality programs needed to fulfil regulatory and payer obligations.
- Optimize your financial outcomes, care coordination, and reimbursements by focusing on the right patients at the right time with predictive and proactive insights that empower recommended point-of-care diagnoses for clinician review and next-best actions.

Near real-time updates that help drive performance

- **Point-of-care intelligence with comprehensive reporting:** Identify population needs using point-of-care intelligence and comprehensive quality reporting solutions that leverage information from structured longitudinal patient records.
- **Real-time data monitoring, workflows, and predictive analytics:** Monitor data in near real time, view next-best action workflows, and use predictive analytics by leveraging the power of OCI.





Oracle Health Care Coordination Intelligence

Providing patients with optimal experiences means coordinating care before, during, and after facility visits, but these optimal experiences come with the challenge of keeping up with the demands of maintaining performance. By implementing Oracle Health Care Coordination Intelligence, your care teams can benefit from automation that enables proactive and prescriptive care coordination and care gap closure, helping you enhance patient care, engage patients, and foster long-term relationships.

Personalize care plans and minimize care gaps with predictive intelligence

- Transform your outpatient care management across the care continuum with predictive intelligence that helps you identify, stratify, and prioritize high-risk patients to aid in the creation of personalized care plans and minimizing care gaps.
- Facilitate care coordination with closed-loop orders and admit, discharge, transfer (ADT) notifications for specialist referrals to help you enable community providers and partners to close transitions of care gaps—irrespective of the EHR being used—on any web-based device.
- Streamline your workflows and enable clinicians, nursing staff, and care management professionals to make informed care decisions using alerts and dynamic dashboards, helping guide your patient management models and comprehensive risk assessments, including transitions of care evaluations and post-discharge follow-up recommendations.
- Advance patient engagement by leveraging multi-source health data intelligence that empowers contact centers with clinical relevant data to support patients' needs and enables the creation of targeted, clinically informed outreach campaigns to help close care gaps.

Automate processes to enable more time with patients

- **Comprehensive 360-degree patient view with supporting core workflows:** Support enhanced patient care and long-term patient-care manager relationships by leveraging comprehensive 360-degree patient views with core supporting workflows, including caseloads, assigned cases, referrals, orders, and real-time results.
- **Automation with intelligence:** Automate tasks and improve efficiencies, such as summarizing patient longitudinal records, providing educational content, and simplifying workflows, with generative AI.
- **Extensibility:** Seamlessly integrate with other Oracle products and third-party applications (for instance, Oracle Fusion CX, Oracle Health Scheduling Management, Oracle Health Radiology Information System, and Salesforce) using our open, extensible capabilities.



Empower your entire business with a cutting-edge, enterprise data platform

With the purchase of any of the Health Data Intelligence products, Oracle Health provides intelligent, out-of-the-box solutions and integrated workflows that support fulfilling quality performance requirements, improving operational efficiencies, and enhancing care quality.

- Enhance care quality by leveraging the power of cloud scalability and in-house clinical expertise, providing aggregated, normalized, and standardized intelligent data that supports interoperability and informs decision-making.
- Identify trends and support innovation by aggregating data from various sources and transforming it into a common language that can be translated across your platforms to aid in limiting errors and minimizing redundancy.
- Support enhanced operational performance across your facilities, health plans, payers, providers, and even clinical service lines using business intelligence, visualization, and data science tools to help identify trends and opportunities for improvement.
- Help reduce your costs and increase efficiencies by maintaining certifications* with the capabilities hospital and ambulatory quality programs organizations need to fulfil regulatory and payer obligations.
- Help increase your operational efficiencies and competitiveness by automating the analysis of standardized reports that span organizational system performance, configurations, adoption, and clinical workflows to support enhanced patient care and resource allocations.
- Streamline payment model management by using data and analytics intelligence to populate a suite of dashboards that help generate insights on network utilization management, episodic care, and quality performance.
- Help facilitate patient privacy, prevent data breaches, and limit potential fines by keeping up with current and evolving quality management, benchmarking, and other regulatory reporting requirements across providers, payers, states, and nations, enabling you to maintain compliance.

* Certification from The Joint Commission, Office of the National Coordinator for Health Information, and National Committee for Quality Assurance





It's time to change healthcare delivery— you and your patients deserve it!

Get started at oracle.com/health/population-health

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