UNLOCKING DATA ACROSS THE PROVIDER ENTERPRISE WITH ORACLE’S HEALTHCARE DATA WAREHOUSE FOUNDATION

Oracle’s Healthcare Data Warehouse Foundation is a comprehensive and detailed data model, specifically engineered for healthcare provider enterprise data warehousing. It is the foundation of Oracle’s Enterprise Healthcare Analytics, an advanced analytics and performance management solution that will provide detailed, holistic and integrated views of the healthcare provider enterprise. It integrates data from electronic medical records, clinical departmental systems, patient accounting, back office, research, and various other source systems, to rapidly and cost-effectively unlock value from clinical and operational data.

The Oracle Healthcare Data Warehouse Foundation is a comprehensive, detailed data model upon which providers can deploy pre-built business intelligence, analytic, data mining, and performance management applications from Oracle and its partners or use a variety of tools to build their own custom applications. This provider data model includes an expanding list of more than 800 entities and 12,000 attributes spanning the clinical, financial, operational, and research domains. It has been specifically engineered for ease of use for analytic application developers and can be easily extended to accommodate each provider’s unique environment.

Improved Clinical and Business Insights, Better Provider Performance Management

Healthcare providers require insight from disparate data spread across clinical, financial, administrative, and research systems. The Healthcare Data Warehouse Foundation enables better clinical and business insights by serving as a single repository to deliver an enterprise view of all provider data.

This single, integrated-view data warehouse repository simplifies deployment of analytic applications, yielding the insights needed to unlock electronic information. This helps providers:

- Identify best practices and develop practice guidelines
- Measure clinical and operational performance against defined metrics
- Improve decision making and prevent mistakes

Managers and executives can ultimately leverage the information from the data warehouse to identify areas of the enterprise with superior performance, analyze and understand the relevant processes, and spread the
Faster Deployment, Lower Risk and Cost of Ownership from Provider-specific Data Model

The Oracle Healthcare Data Warehouse Foundation is a pre-built data model intended to serve as the foundation for a complete, integrated data warehouse for all of a provider’s data - clinical, financial, operational, and research. Oracle has decades of experience with many of the world’s largest enterprise class data warehouses and has built clinical data repositories holding vast amounts of patient records globally. This experience, combined with the expertise of physicians, nurses, allied health professionals, as well as medical informaticists, has enabled Oracle to create a data model engineered from the ground up specifically for healthcare providers. Using the Data Warehouse Foundation, providers can focus their energies on transforming healthcare instead of building IT infrastructure.

- Starting with the Oracle data warehouse model will dramatically reduce the Provider’s development costs and overall project risk, as well as provide the shortest path to realizing full value from analytics.

- Having a common, product-based data model enables Oracle and its partner ecosystem to create pre-built analytic applications for clinicians, administrators, department chairs, researchers, and other end users. The availability of these pre-built clinical and business intelligence applications will further reduce a provider’s time to value and development costs.

- Similarly, Oracle’s common, product-based data model will enable the creation of pre-built data acquisition, cleansing, and integration tools that will also significantly reduce the time to value and total cost.

Because it is maintained, supported and enhanced by Oracle, the Healthcare Data Warehouse Foundation allows maturing healthcare organizations to move away from custom solutions. For the provider, this productized approach substantially reduces time to business value and lowers the total cost of ownership compared to custom-developed solutions. In addition, users may take advantage of pre-built data acquisition and integration tools or pre-built analytic applications that require a standard data warehouse model.

Enables Deployment of Pre-built Analytics

Importantly, the Healthcare Data Warehouse Foundation helps deliver better business insights by enabling providers to deploy pre-built analytic applications from Oracle, as well as from an ecosystem of Oracle partners. These applications can yield new clinical and business insights to help providers improve clinical practice. Such applications can also help manage business performance, ensuring that new best practices are broadly adopted.

Examples of available analytic applications include:

- Operating Room Analytics
- Infection Control Analytics
- Pharmacovigilance
- Revenue Cycle Analytics
- Cohort Identification

**Optimized for Developer Ease-of-Use**
The data warehouse data model is the focal point of both data acquisition and integration, and analytic application development. Small improvements in the data model can have a large impact on reducing the overall cost, risk, and time to value for developing provider analytics. A comprehensive, detailed model means the provider’s staff does not have to build and maintain a model that may serve hundreds of future analytic applications. A model that is well documented and easy to use can significantly reduce the burden of data integration and analytic application development, as well as lower maintenance expenses. Finally, the model should be flexible and extensible to accommodate the provider’s unique local environment.

The Oracle Healthcare Data Warehouse Foundation has been specifically engineered from conception to ease data integration and analytic application development. The model is comprehensive, detailed, flexible, extensible, and is accompanied by thorough, easy-to-use documentation and training materials.

**A Key Component of Oracle’s Enterprise Healthcare Analytics**
Oracle’s Enterprise Healthcare Analytics is a solution designed to unlock the value of a provider’s electronic information to improve quality, safety and clinical excellence, as well as drive departmental and operational efficiencies, and to identify improvements at the point of care. It is composed of a rapidly expanding suite of healthcare business intelligence solutions, including:

- Oracle Healthcare Data Warehouse Foundation
- Oracle Operating Room Analytics
- An ecosystem of healthcare partners that can provide analytic applications built on Oracle’s enterprise healthcare analytics foundation
- Works in conjunction with Oracle Business Intelligence Enterprise Edition (OBIEE) for additional report writing

**Contact Us**
For more information about Oracle Healthcare Data Warehouse Foundation, please visit [Oracle Health Sciences](https://www.oracle.com) or call +1.800.ORACLE1 to speak to an Oracle representative.

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