

Five Ways a Health Care CMIO Benefits from an Enterprise Data Warehouse

► As Chief Medical Information Officer, you have to strike a balance between your medical duties and your growing responsibilities in managing, directing, and leading information technology initiatives that have a direct impact on your hospital or health system's quality of care.

Keeping up with the performance measures and figuring out how to monitor and improve them is a job in itself.

Data analytics are now critical for managing all metrics. You see the value in business intelligence solutions that can fit into the larger strategic plan for the organization as well as your budget. But many organizations have singular solutions, such as the following, each with its own limitations:

- Clinical data warehouse, where clinical data is aggregated but financial, research, and other information is limited or not included at all.
- Electronic medical records (EMR) with analytics, which usually does not allow for reporting or analytics outside the connected system.
- Manual data collection and analysis, a time-intensive process in which business analysts develop reports from Excel spreadsheets, PDF files, and other documents.
- Point solutions, which aggregate data in small target areas, such as the emergency room or operating room, but do not provide a broader picture.

These solutions address data in select and very important areas, but they do not provide an enterprise view of the hospital or health system. Getting that broader view of clinical, operational, financial, and research functions will empower all stakeholders to make more informed decisions.

This kind of advanced analytics is achievable with an enterprise data warehouse (EDW). An EDW can be deployed in a variety of ways, ranging from packaged solutions to services-heavy offerings to the time-intensive task of building an EDW in-house. The KnowledgeEdge™ EDW from Health Care DataWorks is a powerful, flexible choice that can help a CMIO in five key ways:

- 1. Allows easy access to organization-wide business intelligence when you need it.**

The KnowledgeEdge EDW provides an expanded view of what is occurring across the organization by aggregating, organizing, and analyzing data from the clinical, administrative, financial, and research functions. An easy-to-use portal enables you to access that information whenever you need it. You can view standard information, such as patient satisfaction or physician orders, or run your own queries to establish trends and make decisions.

- 2. Arms you with timely and accurate information from your laptop or desktop.**

The KnowledgeEdge EDW creates a single, trusted source of information and provides the foundation for retrospective data analysis and predictive analytics. Through the portal, you can view information in nearly real time to gain valuable insights into mortality causes, clinical outcomes, productivity by individual physicians, and other metrics.

3. **Enables you to improve your most important metrics.** The KnowledgeEdge EDW contains pre-built reports, dashboards, and applications that monitor a host of metrics. For example, the Value-Based Purchasing (VBP) application enables you to run “what-if” scenarios to identify specific metrics that can be improved. You’re no longer limited by what an EMR or point solution can deliver.
4. **Is fast and easy to implement.** You and the CIO undoubtedly have concerns about the time and resources required to implement any solution. Accordingly, the KnowledgeEdge EDW can be implemented as a hosted solution or integrated within your existing IT environment. Either way, the EDW saves your health system or hospital the time and expense of building its own enterprise-wide solution.

5. **Brings a rapid and measurable return on investment.** The KnowledgeEdge EDW includes pre-built dashboards and other accelerators that speed implementation for quicker ROI. If budgets are tight but you do have money to invest in business intelligence, you can even implement the EDW in a departmental approach, bringing the clinical area online first, followed by other departments in stages.

The KnowledgeEdge EDW is an enterprise-wide solution that enhances business intelligence capabilities and enables you to gain deeper insights into operations. It empowers you and the entire organization to make more informed and timely decisions from the operating room to the board room.

About HCD

Health Care DataWorks, Inc., a leading provider of business intelligence solutions, empowers health care organizations to improve their quality of care and reduce costs. Through its pioneering KnowledgeEdge™ product suite, including its enterprise data model, analytic dashboards, applications, and reports, Health Care DataWorks delivers an enterprise data warehouse essential for hospitals and health systems to effectively and efficiently gain deeper insights into their operations. For more information, visit www.hcdataworks.com.

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