Looking to Learn More from Your Data?

Healthcare organizations today have data, copious quantities of data, gathered through existing EMR, HIE, and database solutions that capture information.

However, these oceans of data are often siloed and are difficult to reconcile, complex to comprehend, and limited in their ability to provide the needed insight to make knowledgeable actions. What’s the solution? Implementing a strategic BI initiative can help improve enterprise-level access to the information needed to support business improvement.

Business Intelligence strategies help achieve better outcomes across the entire spectrum of an organization, by providing insights to:

- Strengthen financial and budgetary performance
- Deepen consumer-centric relationships
- Improve the way health care is conceived and delivered

Business Intelligence is one of the four core competencies Orchestrate Healthcare consultants focus on for our healthcare clients. We deploy teams to develop and implement BI strategies for healthcare systems across the country, as well as place individuals within healthcare environments to perform complex report design and development in a multitude of EMRs and applications.

Together, we’ll help your organization uncover new opportunities, increase efficiencies, and reach corporate goals.

Business Intelligence Consulting services
Helping healthcare organizations develop and implement Business Intelligence strategies to achieve better outcomes across the entire spectrum of their organization

Business Intelligence is key to Meaningful Use

Analytics – the art of collection, classification, analysis, and interpretation of data (also known as Business Intelligence) – reveals patterns, anomalies, key variables and relationships to better facilitate intelligent decision-making and will be essential to a hospital’s ability to survive in the years to come. Using BI to make key decisions is just the beginning; Providers need their analytics solutions to help them perform predictive analysis with a reasonable level of confidence, basing multi-billion dollar decisions based on more concrete and reliable data points.”

Business Intelligence: Making Cents of Performance

Lorin Bird
KLAS Research Director
Delivering Outcomes

We go beyond basic Business Intelligence by helping you define and refine your data requirements and BI tools. This ensures that patients and providers are fully engaged in the quest for quality and meaningful information. Cost and quality measurements are excellent uses of BI; but, with our assistance, your organization can drive long term business decisions, make better predictive analyses, and contribute more to the patient communities you serve.

A common mistake made by organizations who are implementing a BI infrastructure is to forego partnering with experienced BI consultants. Business intelligence implementations require guidance from a partner who has deep and varied experience. A truly successful implementation will involve making strategic decisions about:

- Data sources and integration
- Data organization and modeling
- Data governance at all levels
- Data quality and master data management
- Data security
- BI tool evaluation and selection
- Presentation standards (reports, dashboards, website sharing, extracts)
- Resource management (server sizing, ETL performance, et al)
- and many other high level and low level issues.

The BI team at Orchestrate Healthcare has the depth of experience you need to set your implementation on the right path. We know the questions to ask, whom to ask them of, what the impact of different options are both short and long term, and we understand intimately the world of healthcare users and their need for information.

Orchestrate Healthcare consultants have assisted in several small and large-scale successful BI projects in both small and large-scale healthcare organizations. These projects have ranged from simple Reporting Infrastructure development and report writing to Data Warehouse architecture and development all the way to full blown Data Governance management on a large scale.

Our numerous Best In KLAS awards reflect the quality of our consultant’s work and our commitment to exceed our client’s expectations. For more information on our BI engagements or to learn more about our BI team, please visit us at OrchestrateHealthcare.com or call us at (877) 303-3377.
**Team Expertise**

As Business Intelligence professionals, Orchestrate Healthcare consultants:

**Help organizations determine:**
- The tools to use
- The proper data model design for current and on-going needs (e.g. data warehouse design, data mart, and extract development)
- Optimal integration strategies for legacy systems with newly implemented EMR products

**Provide counsel on:**
- BI infrastructure setup and maintenance
- Efficient and scalable report development
- Data mart development
- A vast array of data governance issues

**Execute on:**
- Writing client-specific reports
- Creation of dashboards ranging from the simplest to most complex utilizing EMR data.

Mentor members of our clients’ IT teams so they are capable of maintaining and utilizing their BI infrastructure, creating reports efficiently, and using best practices.

**Experience Counts**

Orchestrate Healthcare’s BI professionals have significant experience with several EMRs including:
- **Epic** – Our team possesses certifications in Epic Cogito data models across the board, including Inpatient, Optime, Anesthesia, Stork, ASAP, Ambulatory, Cadence, ADT, Hospital Billing, Professional Billing, Clinical Data, ETL and Cogito Data Warehouse Administration, Reporting Workbench Administration, Willow, Beacon, and others.
- **Cerner** – Our team has experience developing reports using PowerInsight Explore across the entire EMR, as well as design and coding of PL/SQL and CCL reports.
- **MEDITECH** – We have developed custom NPR reports and performed data analyses across the Magic, ClientServer and 6X platforms.

Our professionals have worked on both Oracle and Microsoft platforms using a wide variety of database and reporting tools including Microsoft’s Business Intelligence suite, Qlik, Tableau, SAP, and Cognos, and can make educated recommendations on proper selection and use of tools for each requirement.

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Our BI team consists of industry experts and thought leaders who share valuable insight with organizations developing a BI strategy. Below are excerpts from a whitepaper developed by Diana Bodell, our BI Practice Lead, and a webinar we hosted examining how to get the most from your BI plan.

**Whitepaper**

**What’s your Clinical Business Intelligence (CBI) strategy?**

Using the wrong tool as a “work around” rather than buying or using the right one is a common way in which organizations cause unintended negative consequences in their Clinical Business Intelligence (CBI) implementations. This white paper examines the tools organizations need to consider for a successful CBI strategy.

**Webinar**

**BI Infrastructure Should Be a Pivotal Part of Any EMR Implementation**

Examining the “Do’s and Don’ts” of getting the most out of reports and report writers in reaching your BI strategic goals. We share our Top Ten list of things organizations do wrong that cause their Business Intelligence (BI) implementations to go astray, as well as the Top Ten activities organizations do right that improve the chances of their success.

Both of these BI tools can be viewed at [orchestratehealthcare.com](http://orchestratehealthcare.com)
Delivering Outcomes Nationwide

Highlights of the Orchestrate Healthcare Business Intelligence Team accomplishments include:

- **LEADING** the Business Intelligence team at Kettering Health Network in developing standards, infrastructure, SQL and reporting skills; implementing Epic Cogito; merging legacy and Epic data; improving overall database performance through analysis of current structures. Kettering is currently running Epic v2010 with an imminent upgrade to v2014.

- **CREATING** a complete Professional Billing and Ambulatory data warehouse at the largest network of federally qualified healthcare clinics in Illinois, merging legacy data from a very old version of MEDITECH/LSS and Epic v2009, with web-based on-demand reporting, cubes and extracts. Utilized SSRS/SSIS/SSAS to present the data with many cubes for slicing and dicing. Developed metrics for Federally Qualified Health Care reporting (ARRA grant) which required data model support.

- **LEADING** the Inova Health System reporting team in creating a working BI infrastructure supporting Epic Cogito data analysis and reporting. (Epic v2010 with an imminent upgrade to 2014). Project utilized PB universe with Web Intelligence and Dashboards to present the data. Scope included:
  - Over 1500 reports and extracts implemented
  - Improved SQL and reporting skills for all team members
  - Improved data governance, particularly in finance
  - Complete Stork data mart for reporting and Perinatal Core Measures

- **REVISING** and improving the performance of key ETLs for Kettering Health and MUSC by effectively reducing the run time of the ETLs from several hours to just minutes. (Kettering Health is currently running Epic v2012.)

- **DEVELOPING** PL/SQL and CCL reports from Cerner revenue cycle gold-standard reports to prepare for a migration from MEDITECH to Cerner at Huntington Memorial Hospital, utilizing a team of PowerInsight and CCL report writers for development.

About Orchestrate Healthcare

Orchestrate Healthcare delivers the outcomes healthcare organizations need. We are a multi-year Best in KLAS awarded healthcare consulting firm specializing in four core competencies: EMR Implementation and Optimization with an Epic focus, Integration and Interoperability, HIE Consulting, and Business Intelligence Consulting.

Our consultants are seasoned professionals with a broad range of experience. Our commitment to quality and to our customers’ success is second to none. We are known for being nimble, responsive and accessible. Our team of consultants excel at what we do, so your organization can excel at what you do.

If you are ready for a consulting company that exceeds your expectations rather than just talking about it, give us a call today at 877-303-3377.

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