

## OUR CLIENTS

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Our clients include large physician practice groups, integrated delivery networks, hospitals, public health agencies, health maintenance organizations, and software vendors. Our list of clients include:

- **Centers for Disease Control and Prevention**  
Atlanta, GA
- **California Department of Health Services**  
Richmond, CA
- **City of Hope**  
Duarte, CA
- **HealthCare Partners**  
Torrance, CA
- **Information Technology International, Inc.**  
Salt Lake City, UT
- **Illinois Department of Public Health**  
Springfield, IL
- **Los Angeles Department of Health Services**  
Los Angeles, CA
- **Mayo Clinic**  
Rochester, MN
- **MedQuist, Inc.**  
Marietta, GA
- **NaviCare Systems, Inc.**  
St. Paul, MN
- **Utah Department of Health**  
Salt Lake City, UT

## AFFILIATED INDEPENDENT CONSULTANTS

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## SHAKIR CONSULTING

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*HEALTHCARE INFORMATION  
MANAGEMENT SPECIALIST*

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*Using advanced information  
management methods and  
techniques to discover and  
prosper from evidence-based  
best practices in healthcare.*

## **INTRODUCTION**

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Shakir Consulting is a sole-proprietor independent consultancy specializing in healthcare information management. We provide expertise in the following areas:

- Information Architecture
- Application Integration
- Electronic Data Interchange
- Data Warehousing
- Business Intelligence

We are recognized industry experts in healthcare informatics standards and model driven development methodologies.

## **OUR MISSION**

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The mission of Shakir Consulting is to assist healthcare organizations in leveraging their information assets to discover and prosper from evidence-based best practices in healthcare through proven information management methods and techniques.

## **OUR SERVICES**

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We categorize our services under the following headings:

- Advisory/Mentoring Services
- Project Management
- Project Staffing
- Work-Product Assessment
- Education and Training

Our goal is to be of service and to make a difference.

## **AREAS OF EXPERTISE**

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### Information Architecture

Information architectures provide a blueprint of the information infrastructure required to enable the healthcare enterprise to function and to fulfill its objectives. It includes an inventory of required computer application systems, information datasets and data flows, and enabling technologies. The information architecture is a critical tool for strategic information planning and for aligning the information infrastructure with business functions and objectives.

### Application Integration

To be most effective disparate computer application systems need to interoperate. Application integration includes desktop visual integration, reusable business rules and processes, data interface/messaging, shared/replicated data repositories, and controlled vocabularies. Application integration is a cost effective method for minimizing data redundancies and inconsistencies within a complex of interrelated disparate computer application systems.

### Electronic Data Interchange

Business to business and customer to business electronic data interchange has become a key differentiator in today's market. The inherent labor, time, and material cost savings make electronic data interchange an attractive proposition. To reap the benefits of EDI one must be aware of the security implications, the required technologies, pros and cons of the internet, transaction format standards, and XML. HIPAA regulations place constraints on the use of transaction formats and impose strict penalties for privacy and confidentiality

violations. EDI is a major process reengineering activity that requires careful planning and well managed execution.

### Data Warehousing

Data warehousing is a coordinated process of extracting data from multiple operational systems, integrating it, and making it available to decision makers for strategic management and analytical purposes. A data warehouse provides a foundation for business intelligence applications by providing a single source of truth for enterprise data. Implementing a data warehouse is a long-term project that is best approached incrementally. Successful data warehousing requires long-range strategic planning combined with well-managed implementation of pragmatic tactical solutions.

### Business Intelligence

Business intelligence is a comprehensive suite of applications and technologies specifically designed to deliver actionable information where and when it is needed. It involves the application of techniques such as data mining, statistical inferences, and expert systems to transform raw clinical data and business information into knowledge and intelligence. It is through the use of business intelligence that practice patterns and anomalies are discovered from which best practices and guidelines can emerge. Business intelligence applications provide a dashboard and score card by which the healthcare enterprise is able to measure the efficacy of its procedures, compare its outcomes to predetermined benchmarks, and foster a culture of data-driven decision making. It paves the way for development of population centered evidence-based best practices in healthcare.