



Geisinger Health System consolidates clinical, procedural and research data in a massive storehouse to aid best practices and improve care.

Overview
Geisinger Health System Danville, Pennsylvania, USA www.geisinger.org
Industry • Healthcare
Products • Clinical Decision Intelligence System (CDIS) solution • IBM InfoSphere Warehouse 9 platform
Services • IBM Global Business Services
IBM Business Partner • Business Objects

Founded in 1915, Geisinger Health System serves more than two million residents in central and northeastern Pennsylvania with three major regional medical centers, a 650-member group practice, a not-for-profit health insurance company and the Henry Hood Center for Health Research.

Challenge

Geisinger Health System sought to improve its electronic health record systems to organize information and integrate real-time clinical data with medical history. An integrated solution providing increased clinical insight would help identify clinical trends and best practices, ultimately improving patient care. However, Geisinger lacked the resources and expertise to develop the solution internally.

Solution

IBM implemented a Clinical Decision Intelligence System (CDIS) solution that leverages the health system's wealth of clinical data derived from its decade-long use of one of the industry's most advanced electronic health record systems. Based on an IBM InfoSphere™ (DB2®) Warehouse 9 platform, the solution forms the foundation for integrating clinical, financial, operational, claims, genomic and other data.

The analytics engine built around IBM Balanced Warehouse for AIX® technology consists of IBM System p5® 575 servers with an IBM System Storage™ DS4800 storage server and IBM Tivoli® Storage Manager software for local area network (LAN)-free backup to an IBM Linear Tape-Open (LTO) library. The data warehouse platform consists of IBM InfoSphere Warehouse Information Server software plus a reporting tool from IBM Business Partner Business Objects.

Benefits

- Consolidates information about injuries, illnesses and finance for a comprehensive patient view, including medical history
- Provides a massive storehouse of clinical information, procedure and research, enabling rapid analysis and reporting to foster best-practice care
- Enables extensive, diverse medical information to be used as the basis for medical research, treatments and life-saving breakthroughs

GEISINGER

“Building upon our electronic health record experience, our work with IBM now sets the stage for Geisinger to expand its role as a national model for patient engagement, research, and education, as well as leading to business and growth opportunities.”

—Glenn Steele Jr., MD, PhD, president and chief executive officer, Geisinger Health System



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