

Customer Solution Brief



Cancer Center Empowers Researchers with New Data Exploration Tool



Fast Facts

Company: Moffitt Cancer Center

Web Site: www.moffitt.org

Number of Employees: 3,500 employees

Country or Region: United States

Industry: Healthcare

Company Profile

Located in Tampa, Florida, H. Lee Moffitt Cancer Center & Research Institute (Moffitt) is a National Cancer Institute Comprehensive Cancer Center. This designation is reserved for institutions that are dedicated to scientific innovation and excellence, interdisciplinary research, training, and the coordinated pursuit of new research opportunities in oncology.

Moffitt is a not-for-profit institution licensed for 162 beds. Its clinical facilities cover 1.7 million square feet.

Software and Services

- Microsoft Amalga
- Microsoft Server Product Portfolio
 - Microsoft SQL Server 2005

For more information about other Microsoft customer successes, please visit: www.microsoft.com

“Fast, customizable queries and flexible data exploration: Our researchers get a jump start through ‘data self service’ with Amalga.”

Srivaths Srinivasen, Director, Moffitt Total Cancer Care Systems

Business Needs

Moffitt is developing a cancer care delivery paradigm called Moffitt Total Cancer Care (TCC). The key goals are to develop clinical trials and utilize bio-markers and evidence-based guidelines to personalize cancer care. To do this, Moffitt TCC is partnering with a range of other industry stakeholders.

Moffitt already had developed a strategic data warehouse containing data from different operational systems along with a series of Microsoft® SQL Server® 2005 data marts. Researchers needed a tool to access and explore genomic, proteomic, bio-specimen, imaging, and clinical data. The tool had to support a “self-service based model,” where researchers could build customizable queries for data exploration and analysis.

Solution

Moffitt will deploy Microsoft Amalga™ Unified Intelligence System as a tool to present data from the warehouse to the researchers including clinical, bio-specimen, research data, and clinical images. Data from the data mart is fed into Amalga through an XML-based interface. The IT team groups the data into “base views” for researchers to

modify/filter/sort by themselves. In phase 1, 50 researchers from Moffitt TCC and its partners will create custom user views to meet their needs. Moffitt plans to expand its Amalga solution to clinicians providing patient care.

Benefits

Moffitt TCC researchers can get a combined view of data from different systems in a single, easy-to-use tool to perform flexible, “what if” queries without relying on IT services for every query. Combining demographic, lab, radiology, pharmaceutical, and other data in different ways sparks innovative lines of questioning that define translational research.

With Amalga, Moffitt is closer to its goal of providing personalized cancer care that promises better quality of care for its patients.