CTI

Your Data is Our Passion

Case Study: Hospital Productivity and Revenue Analytics

Client: Veterinary Healthcare Network operating multiple surgical centers

CLIENT RESULTS

The ability to balance staff scheduling (increasing efficiency and reducing overtime) with patient demand immediately reduced costs. On the profit side of the ledger, the ability to improve the patient experience and understand referring physician patterns offers new revenue opportunities.campaigns and activities.

SUMMARY

Operating multiple surgical centers, this specialty veterinary provider needed to improve efficiencies. Under the sponsorship of the CEO and CFO, Corporate Technologies (CTI) implemented a Cloud Based BI analytics system to optimize staffing, scheduling and revenue management.

Industry	Health Care (Veterinary)
Client	Specialized hospital and veterinary surgical centers
Problem	With four hospital surgical centers and over 250 clinicians servicing 6000 patients per month (each requiring 8 clinical events on average), senior management required significant improvements to the scheduling and resourcing of clinical and support staff. Key to such was the delivery of a new analytics system that would provide insight into the Occupancy, Patient visit patterns, and Revenue cycles. The business needed answers to several key questions such as: • How occupied are the clinicians? • How many patients are seen by each department per time period? • How many inpatients in hospital by location, department, species? • What is our appointment popularity? • When do owners visit patients? • What is the revenue by hospital, department, doctor, referring hospital, patient zip code
Solution	CTI profiled the clinical and financial management system and designed and built a data mart solution with associated reporting and analytics extracting data from the system on a daily basis. CTI implemented Amazon Web Services to deploy the solution in the Cloud, a VPN secures the transfer of data from the clinical applications to the Cloud environment. This approach eliminated the need for capex expenditure and leverages Amazon for backup and recovery of the environment.

Benefits	The solution enabled the following benefits for our client: • Crucial tool for adjusting clinician schedules based on popular appointment times, visit times and volume of inpatients within the hospital • Immediate visibility into revenue across various departments and hospitals • Seasonal and annual trend analysis across types of procedures, clinician productivity, and facility volumes • Cloud based deployment to speed provisioning and eliminating infrastructure costs
Technologies	CTI Professional Services SAP Business Objects SAP Data Services Amazon Web Services Microsoft SQL Server 2012 / SSIS

CONTACT US

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ABOUT CORPORATE TECHNOLOGIES

Corporate Technologies provides high value services to clients. Through the effective application of technologies like Data & Analytics, Data Engineering and Security Services, we help clients implement the right solutions to empower business innovation and dynamic scalability. From leveraging advanced analytics to rethinking cyber security, we are your strategic partner.