

CASE STUDY

Data Management for a Leading Emergency Care Center



What the Client Wanted

Gain a holistic view of patient data, customize treatments, improve communication, and enhance health outcomes.

The Outcome

The emergency care provider approached Quantzig to help them understand the key components necessary for implementing effective data management procedures. Our analytics experts helped the emergency care provider to identify and implement the [requisite improvements](#) in their data management approaches with a quick turnaround time of about three weeks.

Overview of the Emergency Care Services Segment

The emergency care services segment includes [healthcare service providers](#) who offer out of hospital treatments and emergency transport services to patients. However, the healthcare industry is on the verge of a major transformation with new innovations in healthcare technology. This has resulted in the generation of huge volumes of healthcare data and hence healthcare firms are increasingly the best practices to keep abreast with the data management trends in the healthcare market.

Quantzig offers solutions that enable organizations to identify and implement data management best practices. Our solutions are a combination of subject matter expertise and technology skills based on world-class methodologies that help ensure timely completion of such initiatives.

Emergency Care Industry Challenges

- **Capacity:** One of the greatest challenges for emergency care providers revolves around the capacity of their emergency department. With a rise in the aging population, the need for emergency care centers that can treat chronic diseases is increasing gradually. But most of the emergency care providers do not possess the required data to treat patients, which, in turn, is prompting them to adopt data management best practices to gain detailed insights into patient data.
- **Competition:** The competition from peers in the emergency care sector has increased drastically over the past few years. This has resulted in a decline in the profit margins for new market players as well as for well-established emergency care service providers.

About the Client

The client is one of the top medical service providers in the world. Being one of Canada's top emergency care provider, the client is committed to giving patients access to top physicians as well as customized healthcare options.

Client's Challenge

To tackle their data management challenges and migrate to an industry standard schema, the emergency care provider was looking to employ data management best practices throughout their business units. Moreover, serving their mission involved the collection of tremendous amounts of data, which included – patient data, insurance claims, and patient records. Hence, the client approached Quantzig to leverage its expertise in data management and deploy the best practices in data management.

Business Impact

The shortcomings of the traditional data management systems are compelling leading emergency care providers to realize the importance of incorporating data management best practices to gain a competitive advantage. The implementation of data management best practices enabled the emergency care provider to combine, centralize, and securely access patient data. Our solutions were aimed at helping the client to gain a unified view of business-critical data that was locked, replicated, and scattered within information silos across their business units.

Insights on Data Management Best Practices

Gaining significant insights from patient data is a critical aspect that healthcare industry players should necessarily incorporate into their data management strategies. One of the important steps to achieve this is to adopt best practices to ensure the data quality throughout its lifecycle. Effective management of patient data enables organizations to gain detailed insights into patient information, personalize treatments, improve communication, and boost healthcare outcomes.