ABSTRACT

Baylor Health Care System, as a member of the Institute for Healthcare Improvement (IHI) IMPACT network, is participating in IHI's Saving 100,000 Lives Campaign. The IHI campaign aims to reduce by 100,000 the number of in-hospital patient deaths over a 12 month period across the United States by committing hospitals nationwide to implementing changes in care that have been shown to prevent avoidable deaths.

This presentation discusses the creation of the overall infrastructure to support clinical and financial evaluations of quality improvement initiatives. It also discusses areas critical to the success of these activities: accurate collection of both real-time and historical data; creation of the appropriate analytic platform using SAS software; analysis (including statistical modeling) to evaluate the effects of quality initiatives and opportunities for further initiatives, and dissemination of that information as related to STEEEP and financial impact.

As one of SAS' many strengths is to "pull" data from different platforms, it is used to extract, transform, and load (ETL) data from different systems that employ cache (ODBC-compliant) and ORACLE data tables storing quality and financial data. A brief demonstration of the system shows the capability of SAS to process data from multiple hospitals to and produce relevant graphics that simultaneously show effects on process and outcome measures.

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