



Spotfire Analytics – Transforming Clinical Development

While rapid advances in technology have enabled us to communicate and conduct business faster, more efficiently and more accurately than ever before, it has also resulted in a deluge of inaccessible information. Electronic data have been generated at an increasing rate, yearly, and in almost every market. In the world of clinical development, where small amounts of data can mean the difference between success and failure, easy and intuitive access to all data is critical.

With a broad range of study designs executed every year, all over the world, the need to effectively manage clinical data is crucial. Large, multicenter studies with varying data collection methods and time points produce critical clinical information through every phase. The more effectively study data are managed, the faster the data can be extracted and analyzed. During the early stages of a clinical trial, access to data is vital not only for patient safety, but for solving problems while they are still manageable and before they become costly.



TIBCO Spotfire Analytics in Clinical Development

TIBCO Spotfire Clinical enables clinical development teams to quickly visualize and interact with enormous volumes of operational, clinical and safety data in a single interface to support forward-looking decisions, rather than retrospective tracking of results. Spotfire can streamline clinical trial data analysis with real time access to clinical data during all phases of clinical development, allowing the user to interact with the data as soon as it is collected. What makes Spotfire unique and powerful is the ability to produce interactive visualizations that allow the user to easily explore the data and ask a multitude of what-if questions.

Another important feature of TIBCO Spotfire Clinical is its ability to analyze operational or peripheral trial data. Review and analysis of this data can highlight site performance and study resources, allowing for improvement of trial operations. Benefits of exploring crucial data (adverse events, lab values, demographics, drug exposure and response) early in the clinical trial process are numerous. They serve to reduce errors, improve quality, and increase productivity by 20-40%.

In addition to survival analysis capabilities that provide detailed models for patient accrual, dropout and time-to-event, TIBCO Spotfire Clinical provides valuable tools for study management, trial operations, pharmacometrics, pre-marketing safety and post-marketing surveillance.

TIBCO Spotfire Clinical Graphics allows the export of statistical graphics for use in a variety of presentation, publication and submission formats, and customers have reported an 80% reduction in graph creation time compared with existing SAS processes.

User Friendly

Using TIBCO Spotfire, it is simple to adjust axes, symbols, text and export visualizations to PowerPoint for meetings and distributions. An example of this is the user can easily modify patient profiles by adding medical history, vital signs or other domains to the profile or as additional table/visualizations without IT intervention.

TIBCO Spotfire Clinical Advantages

In comparison to other clinical analytics products, TIBCO Spotfire Clinical offers more capabilities, more flexibility and better efficiency. The format is user-friendly, and provides live, interactive visualizations. No other clinical analytics product enables the optimization of in stream safety review, risk benefit assessments, post-marketing surveillance, patient enrollment, site management and study management like TIBCO Spotfire Clinical.



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