TLF Analyzer

Cut CSR Drafting Time from Weeks to Days

About

TLF Analyzer is a breakthrough module within Medical Lens, part of **Saama's AI-Powered Document Generator** platform for Clinical Study Report (CSR) authoring. Built on advanced **Agentic AI** and multi-modal intelligence, TLF Analyzer transforms how CSRs are created by automatically interpreting Tables, Listings, and Figures (TLFs) and generating clinically precise, context-aware summaries.

A standout capability is its **Figures to Text** intelligence, which converts complex visuals like Kaplan-Meier curves, forest plots, waterfall plots, and bar charts into narrative-ready summaries, eliminating hours of manual interpretation. The platform leverages protocol and Statistical Analysis Plan (SAP) context to deliver scientifically grounded insights, with a unique combined analysis mode that identifies cross-domain patterns across safety, efficacy, and demographics.

Benefits

Time Efficiency

Automates identification and summarization of hundreds of TLFs per study, drastically reducing manual effort. First CSR drafts that traditionally take **2-3 weeks** can now be completed in **3-4 days**.

Clinical Grounding

Protocol-anchored interpretation reduces rework and reviewer comments, ensuring scientifically sound outputs aligned with study design and SAP.

Manual Work Reduction

Manual analysis, which is typically tedious, can now be completed with a **60-70% reduction in time**.

Enhanced Accuracy

Figures to Text and contextualized analysis minimize inconsistencies and human error.

Comprehensive Insights

Summaries include citations and contextual inputs from protocols and SAP for deeper clinical interpretation.

Flexible Interaction

Users can query, refine, and regenerate summaries within the same interface.

Key Features

Figures to Text Intelligence

Automatically converts complex visual outputs (Kaplan-Meier curves, forest plots, waterfall plots, bar charts, etc.) into narrative summaries.

Customizable Prompts

Refine summaries by shortening, elaborating, or bulletizing; regenerate outputs as needed.

TLF Summarization

Analyze and summarize Tables, Listings, and Figures in a single workspace to generate CSR-ready insights.

Interactive Q&A

Ask follow-up questions or explore deeper insights via conversational GenAI-powered analysis.

Intelligent Search

NLP-powered search quickly locates relevant TLFs across headers, footers, and embedded content, even when files are unlabeled or combined.

Seamless CSR Integration

Insert verified summaries directly into CSR sections with citations and traceability.

The Saama Difference

Saama's TLF Analyzer stands out by integrating protocol and SAP context directly into the summarization process, unlike competitor tools that summarize each TLF in isolation. Our intelligent search and Q&A features allow medical writers to find and analyze complex tables, listings, and figures quickly, dramatically reducing manual effort. This combination of automation, context-aware insights, and efficiency ensures faster, more accurate CSR generation while improving overall compliance and consistency.

Contact us at info@saama.com to schedule a personalized demonstration.