



Utilizing Data Visualization for Continuous Safety and Efficacy Monitoring within Early Development

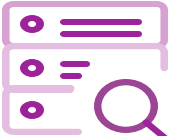
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PHUSE SDE 2023 - Summit

Data Visualization

Executive Summary

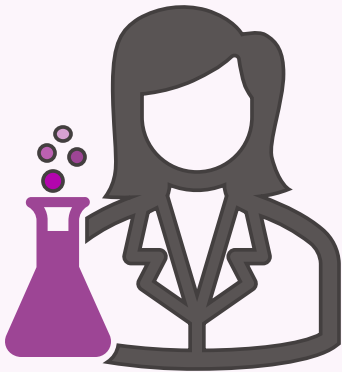


Mission: Provide a tool to **empower data driven** decisions through the life of a clinical trial, to **uncover new** insights utilizing **cutting edge** technologies, by generating interactive and static outputs for exploratory and regulatory needs.

Use Cases	Objective	Benefits
 Patient Profiles  TLG Automation  Statistical Data Review Program (SDRP)  Clinical Data Analytics & Health of Trial dashboard	• Provide stakeholders access to Near Real-Time (NRT) data for informed decision making • Solution to representing complex information in a consistent format with enhanced technologies • Reduce the data review time for study teams while providing greater insights	• An in-house solution to data visualization allows for tools and outputs to be customizable to targeted end user • Proactively empower faster informed data driven decision-making • Reduce the number of CSR outputs required due to the dynamic and interactive features of the tool

Early Development

Summary



Mission: To enable **timely** and **data-driven** drug development decisions through exploratory and POC stages, via collaboration with partners and stakeholders, development of **industry-leading innovation**, and **acceleration** of **differentiated capabilities**.

Focus



Safety



Tolerability



Clinical Data
Review



Fail Fast

Objective

1. Equip clinicians with necessary information to monitor the **safety** and **tolerability** of a new drug or treatment.
2. Provide ability for **ongoing** patient **safety** and **efficacy** clinical data review throughout the life of the study.
3. Prepare **data ingestion** for the use of early detection and prevention of serious events.
4. **‘Fail Fast’** mission focused.

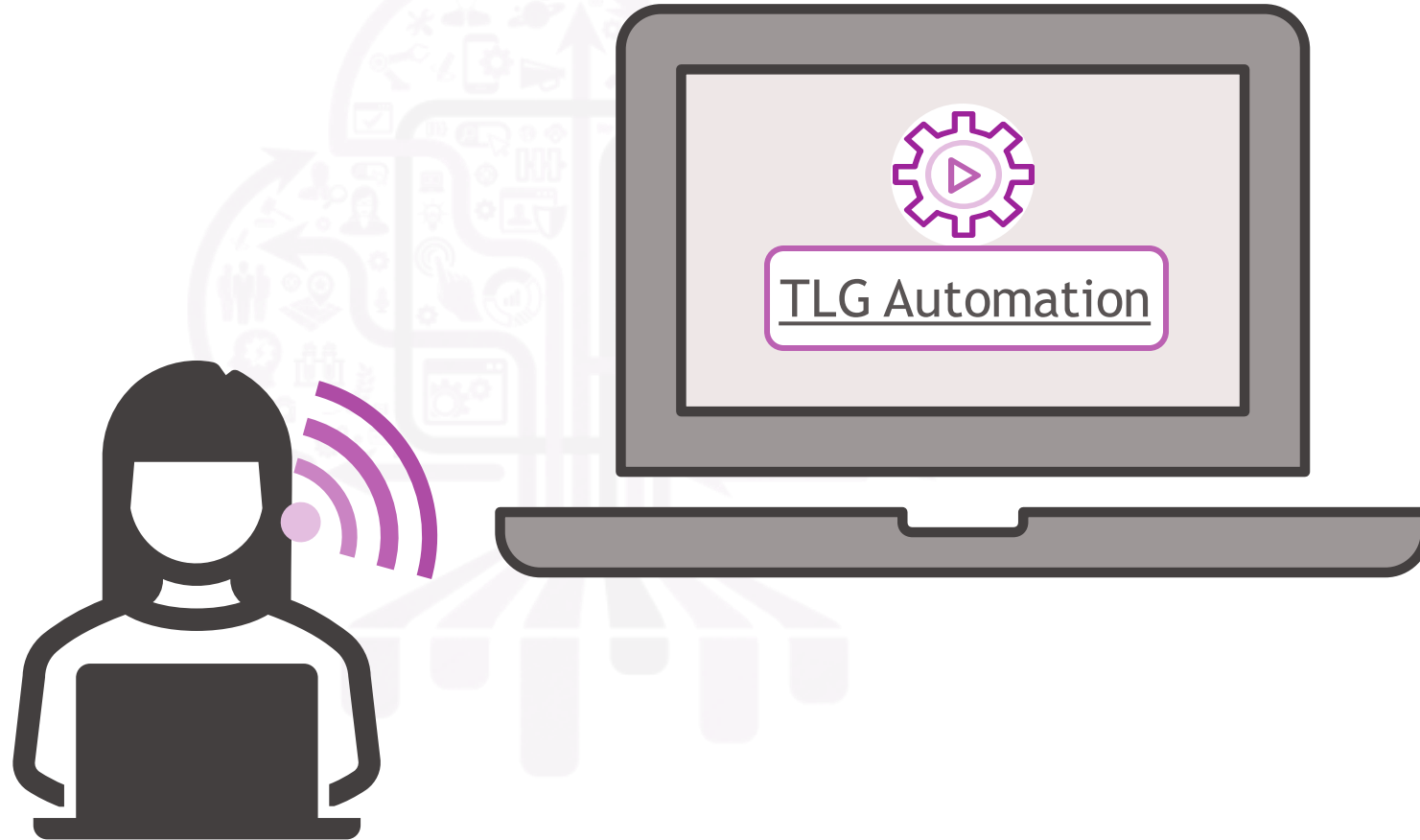
Data Visualization



Early Development

Global Biometrics and Data Sciences at Bristol Myers Squibb is *embedded quantitative rigor and strategic insight throughout the drug development lifecycle by solving complex problems through collaboration and operational excellence to advance the science that transforms patients' lives.*

Demonstration



Problem

- Proactive on-going safety and efficacy surveillance required a faster cadence of data available for review efficiency, exploratory analysis, and internal decision making

Proposed Solution

Partnership Outcome

Global Biometrics & Data Science Vision:
“Every drug development decision optimized by the **power of data.**”

Acknowledgements



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Data Visualization



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Thank you



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