

Clinical Studies Visualization & Analysis

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Where are we today and what are we looking at?

New Regulatory Perspective
on AI and Data Sharing

Real-world Data & Real-
World Evidence

AI & Cloud for drug design
and development

Synthetic Data & Digital
Twins

CTs Monitoring & Patient
Centricity (PV, safety, DEI)

Health Data platform

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Interactive Visual Analysis

An approach to display and promptly analyze relevant information

A special combo

A picture is worth a thousands words

+ Statistical concepts

**Easier, faster insights and
activities monitoring**



Dual perspective



Overall Clinical
Study view

Interactive
Visual Analysis



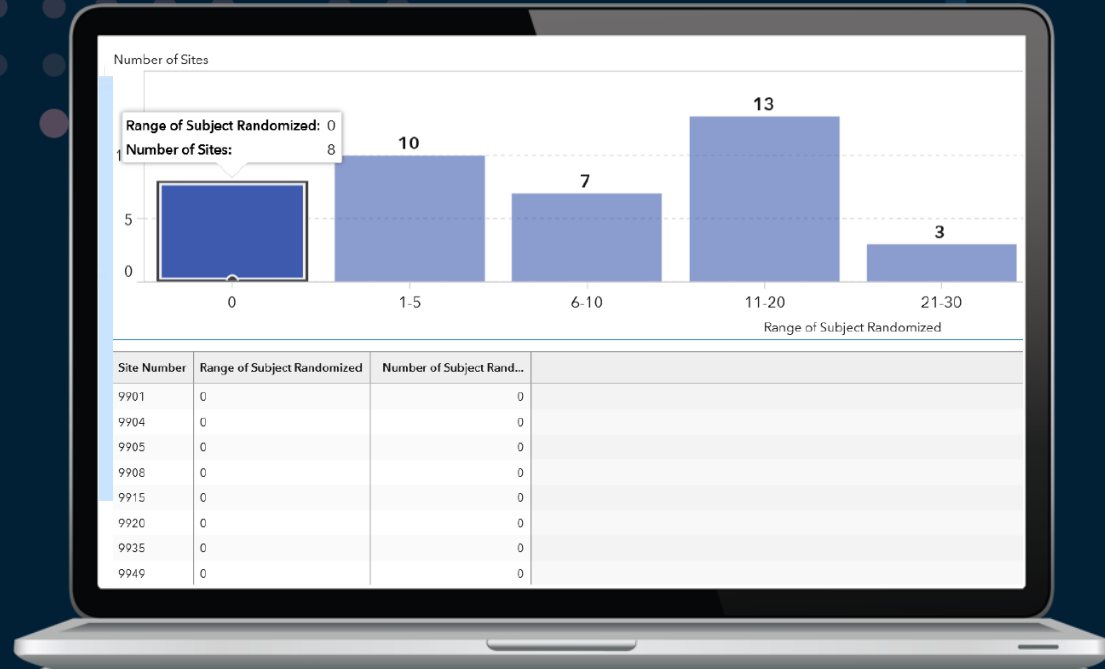
Patient Narrative

Overall clinical study

- › Monitor Enrollment
Over Time
By Country & Site

- › Monitor Site
Site distribution
Site performances
Demographics of the patients

- › Site Report Card
Site name
PI
Site activation date
Site enrollment performances
Comparison site vs study performances metrics



Overall clinical study

› Safety

AEs

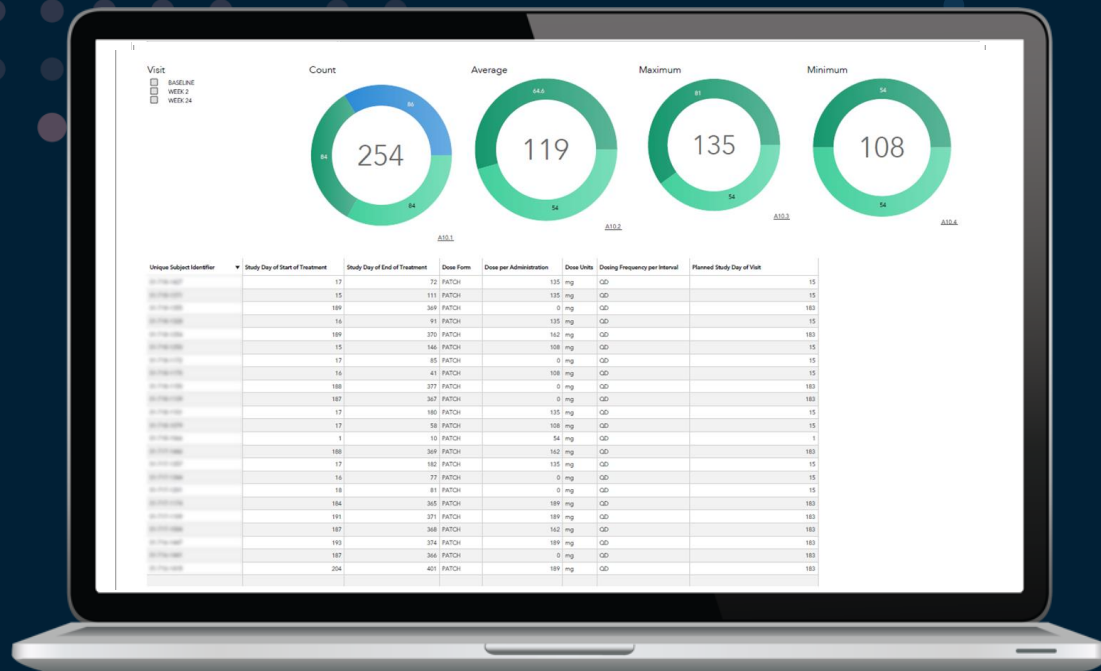
Lab Analysis

Concomitant Meds

Exposure Analysis

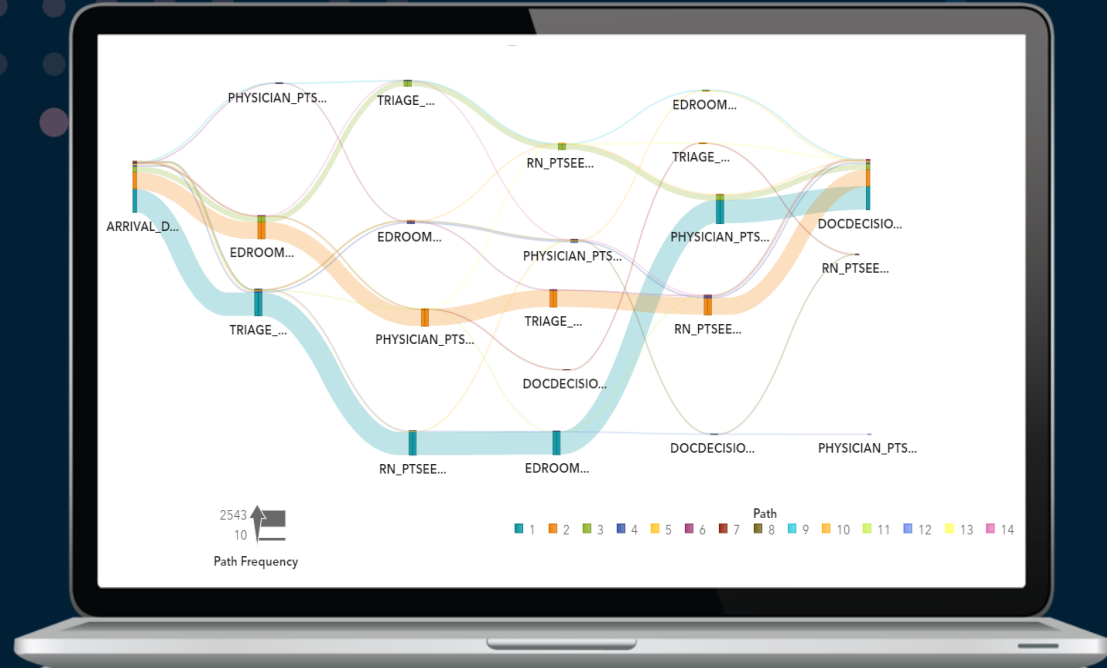
Medical History analysis

Path for crossover events



Patient Profile

- › Safety
 - AEs
 - Vitals
 - AEs vs Vitals
 - Dose-responses relationship
 - Lab Analysis
 - Concomitant Meds
 - Medical History analysis
- › Adherence to protocol



A background image featuring a stage with red curtains and a wooden floor. The curtains are closed and have a vertical pleated texture. The floor is made of dark wood planks.

WHAT'S BEHIND THE SCENES?



Data preparation



View Customization



Filters, drill-downs, pages



Summary, frequencies, distributions, clusters,...

Advantages of Interactive Visual Analysis

- ❑ **Enhance** evaluation of drug safety
- ❑ Starting from STDM datasets results in **reusability**
- ❑ **Time-saving**
- ❑ **Reduced latency** and real-time insights (efficacy)
- ❑ **Self-service** view to explore and analyze

How SAS delivers

- ✓ One platform

Warning: it does not mean that you must use SAS programming language to prepare your data:

- SAS empowers OS
- Visual interfaces

- ✓ In-memory data

- ✓ Scalable platform

- ✓ Web-based interface

- ✓ Share your interactive reports



Thank you!

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