saama
#1 in AI Clinical Analytics

Smart Auto Mapper (SAM)

Challenge manual and time-consuming methods of mapping clinical data

Auto-inspect and auto-map complex sets of data elements to CDISC standards with Saama's Smart Auto Mapper.

- Store raw data safely in Saama's Clinical Data Hub, and easily compare raw data to transformed data in a single environment

- Map 70% of Raw Data to SDTM standard with AI. Complete most tasks with codeless, out-of-the-box functions

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- SAM's flexible and scalable architecture is not reliant on specific source systems or data, so enabling new transformations (at study and TA levels) is efficient and repeatable

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Smart Auto Mapper | Key Functions

1. Integration with Clinical Data Hub
2. Raw to SDTM Data Mapping
3. Human-in-the-Loop Review
4. Flexible & Scalable Architecture
5. Reduced Time to Data Access

SAM Overcomes Data Onboarding Challenges

Data Managers and Mappers are under enormous pressure to quickly and reliably cleanse and map non-standard and often messy and incomplete data to conform to regulatory and business specifications.

Smart Auto Mapper promises time reduction for data mapping and decreased reliance on programming expertise:

- Break SAS monolith to save time and reduce reliance on experienced programmers
- Apply global data transformations with out-of-the-box functions
- Write and promote custom functions for therapeutic areas to global study status
- Receive a few parameters to expedite more complicated transformations (ex. for non-AI enabled transformations)
- Automated and custom transformations are configurable to target data models (ex. cleaning raw data before transformation to SDTM per business process)
- Access data after subsequent transformations

Get Started Now
To learn more about Smart Auto Mapper and arrange a demo, contact Saama at info@saama.com or 408-371-1900, or visit us online at saama.com.

Allow biostatisticians and clinical teams to reap the rewards of fast and clean data access:

- Check data quality and give users access to fine-grained data
- Block data access to certain users or groups:
  - Individual row/column level blinding
  - Conditional blinding (ex. block vitals over certain level)
- Prevent bias (ex. block statisticians from seeing certain datasets before comparison with experiment results)

Smart Auto Mapper | Benefits Summary

	Time-Saving Benefits	Limited Coding Required	Data Auditing Capabilities	Metadata Detection on Raw Data
Ease-of-Use	• Raw > SDTM mapping 70% complete with out-of-box functions • SDTM > ADaM mapping (in development)	• Global mapping functions • Drag + drop UI • ML mapping • HIL components means ML mapping will be higher in the future	• Global mapping functions • Easily accessible historical data	• Responsive to source schema changes
Quality	• Enable easier maintenance of data mapping functions	• Consistent & reliable version control • Data access from a unified, well-maintained hub	• Human-in-the-loop component of AI mapping ensures traceability (no 'black box')	• Reliable, not hard-coded or bound to database schema
Scalable for Future	• Set up of transformation Metadata for new disease areas (TA/Indication Libraries)	• Workflows for promoting TA / Study Specific functions to global standards	• HIL feedback improves ML mapping over time • Data access from every layer (Raw, Pre-conformance, SDTM, etc.)	• Flexible architecture not reliant on specific source systems or data

About Saama Technologies, Inc.

Saama is the #1 AI clinical analytics platform company, enabling the life sciences industry to conduct faster and safer clinical development and regulatory programs. Today, 50 biotech companies use Saama's award-winning Life Science Analytics Cloud (LSAC) platform on over 1,500 studies, including many of the top 20 pharmaceutical companies. LSAC's rich applications facilitate an unprecedented, authoritative oversight of comprehensive clinical research data, enabling companies to file New Drug Applications (NDAs) more efficiently and bring drugs to market faster. Discover more at www.saama.com and follow Saama @SaamaTechInc