

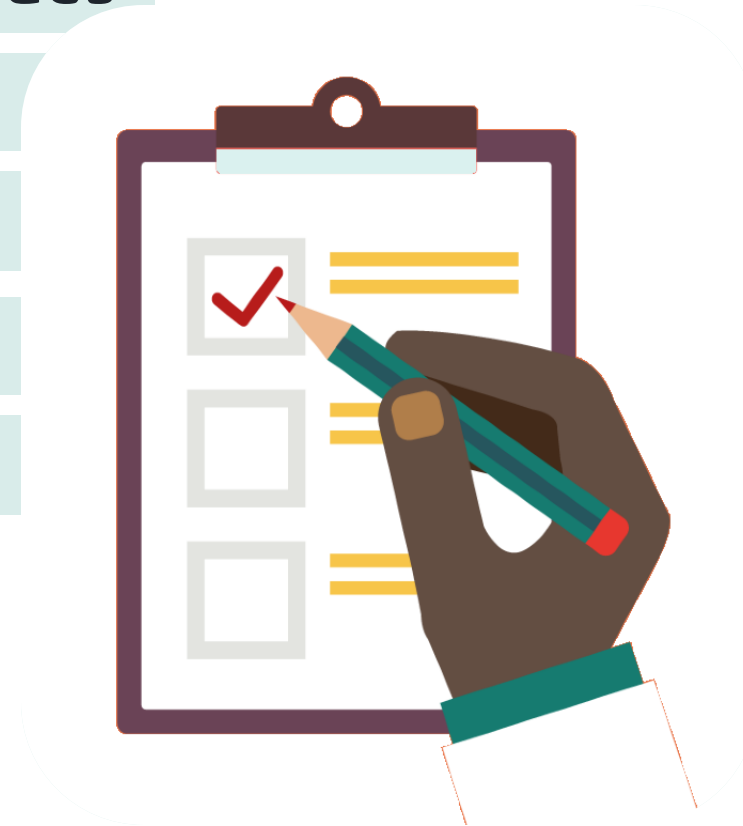
Using R for Automatically Managing Clinical Trial Data Issues

Jessica Riedy – Atorus Research



Agenda

- Importance of Tracking Data Issues
- Some of the Challenges
- How R Can Help
- What We Have Built
- How It Works



Importance of Tracking Data Issues

- Ensures data quality
- Facilitates compliance
- Supports data analysis
- Improves trial design



Some of the Challenges

- Data Volume
- Data Quality
- Data Integration
- Data Security
- Data Regulations



How R Can Help



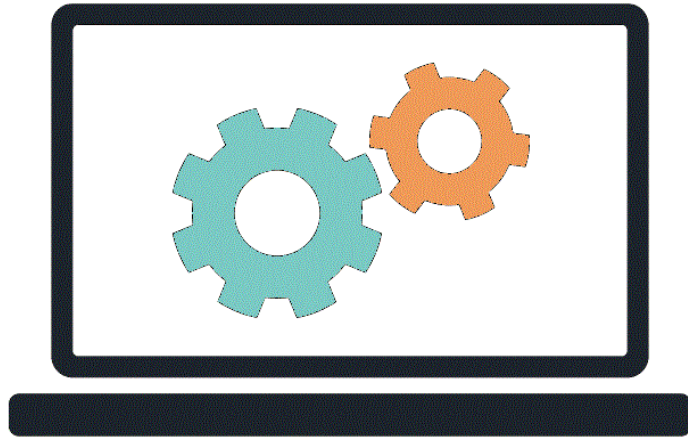
- Data Import
- Data Cleaning
- Data Validation
- Data Standardization
- Data Visualization
- Data Issue Tracking

What We Have Built



- Automatic rules engine
- Tracking errors
- Automated report generation
- Ongoing monitoring

How It Works



- Rules Engine
- Rmarkdown
- Final Report

Improved Trial Outcomes

Data Entry Errors

Management Errors

Tracking System

Positive Study Results



Data That Does

MAKE YOUR DATA INSIGHTFUL



Thank you for listening!

Jessica Riedy – Atorus Research

