

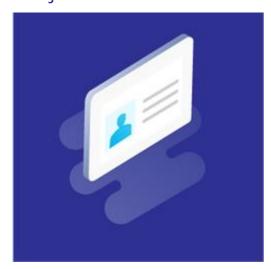
Anju Sotfware

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Anju Clinical Suite



Anju Medical Affairs Suite

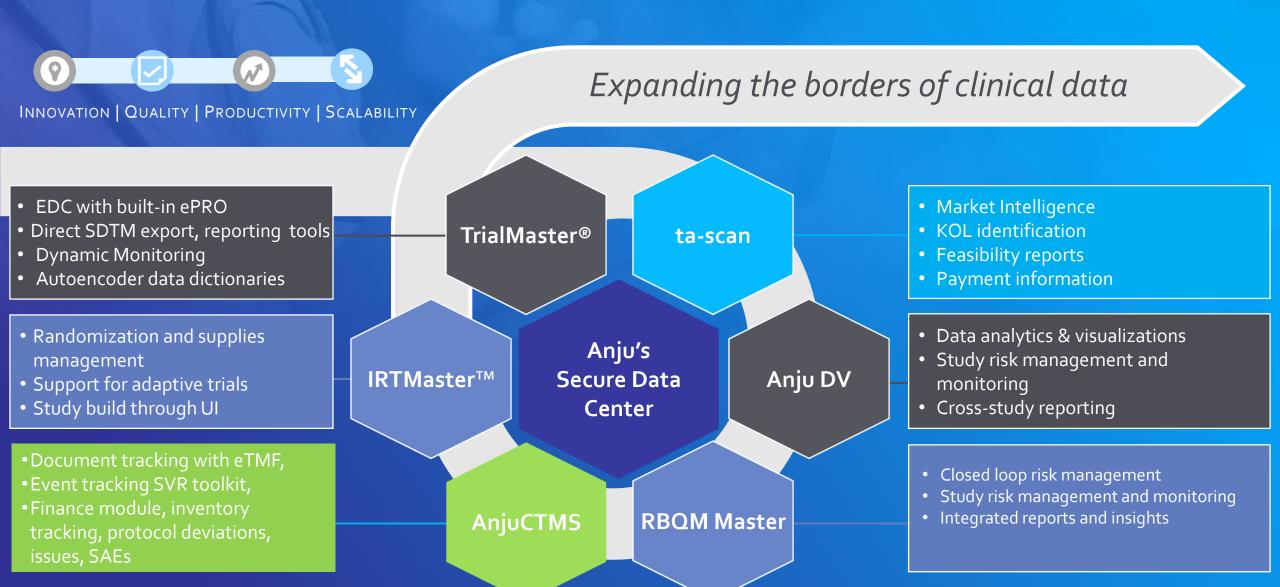


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SDTM Automation in EDC system

20 May 2021





AGENDA

- Case Introduction
- Programming of SDTM data within EDC system Benefits
- Programming of SDTM data within EDC system Challenges
- Conclusion



#Data #DataDriven #DataStrategy #DataIntegration #DataViz #DataStandards #DataScience #Datagovernance #HealthCare #DataAnalysis #ClinicalTrials #ArtificialIntelligence #AdvancedAnalytics #MachineLearning #Digital #Chatbot #Biometrics #CRO #ClinicalData #LifeSciencesExperts #Whodrug #MedDRA #Pharmacovigilance #ClinicalResearchLifeCycle #MedicalWriting #MedicalInformation #MedicalReview #SDTM #ADaM #CDISC #Innovation #RegulatorySubmissions #Protocol #Coding



CASE INTRODUCTION

- Biometrics Study → from database build to statistical analysis
- SDTM data required for:
 - Data Monitoring Visualization dashboards
 - SDTM Data available as quick as possible for different DSMB, SRC, and all other meetings
 - SDTM data available as quick as possible for statistical team for statistical analysis



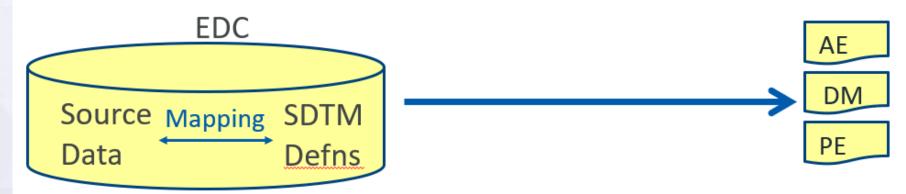
SDTM build module available in Anju TrialMaster EDC



PROGRAMMING OF SDTM DATA WITHIN EDC SYSTEM

- Training from Anju team + Certificate
- Programming done within a specific SDTM Module, using export template available
- Standard templates are available for all SDTM domains for programming
- The latest available mapping template is following the SDTMIG V3.2
- There is also the possibility to import standards library (if available) in ODM format

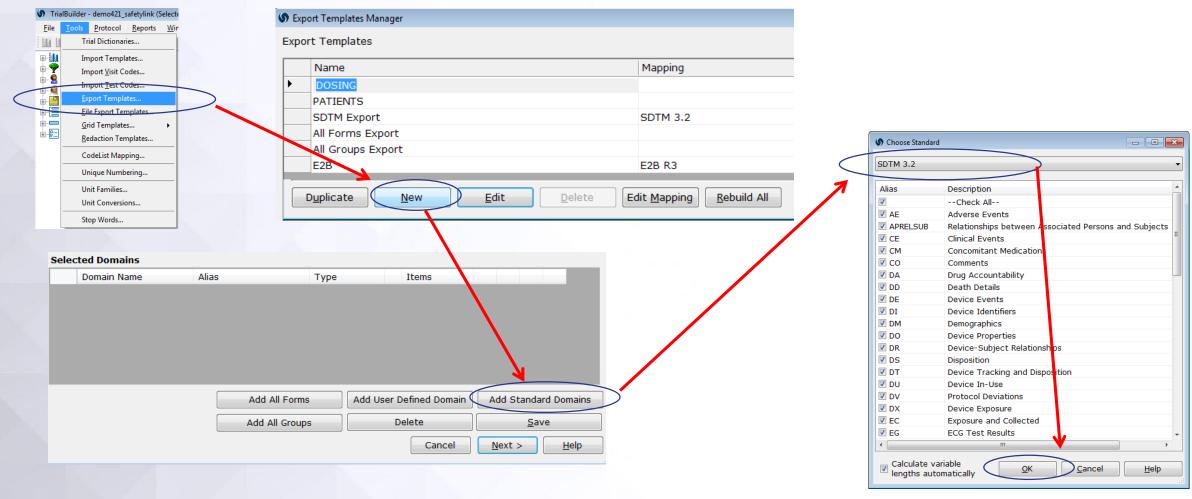
• SDTM Programming is done in parallel with study set-up, so SDTM Data can be available from the FPFV.





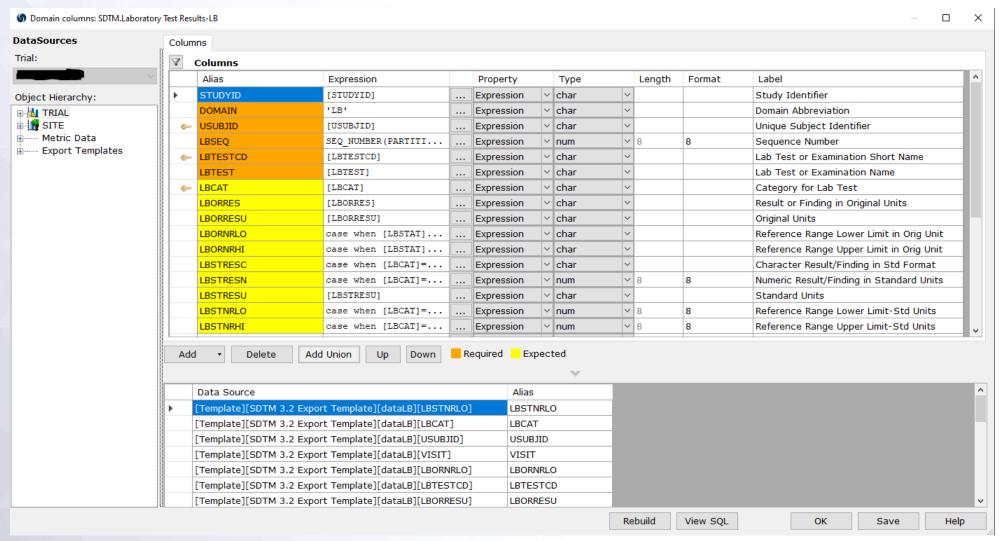
PROGRAMMING OF SDTM DATA WITHIN EDC SYSTEM

Create a new Export Template:





PROGRAMMING OF SDTM DATA WITHIN EDC SYSTEM — EXPORT TEMPLATE MODULE



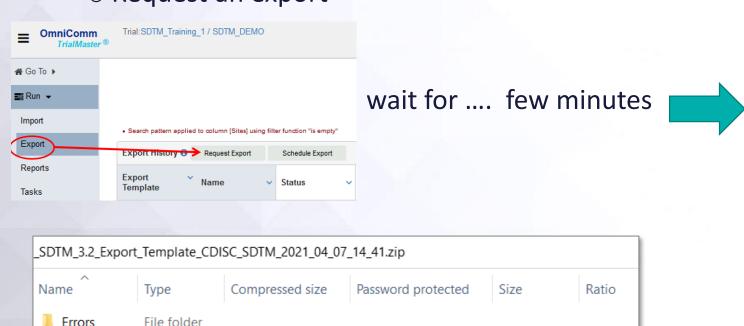


YOUR LIFE SCIENCES DATA EXPERTS

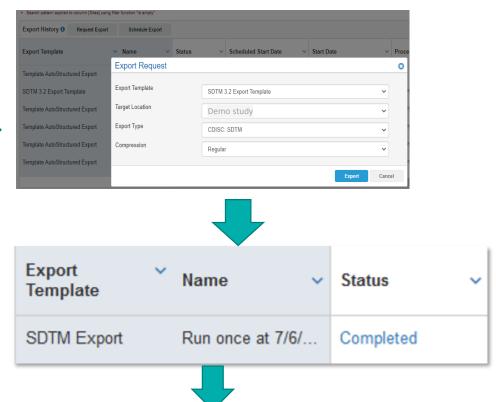
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PROGRAMMING OF SDTM DATA WITHIN EDC SYSTEM - BENEFITS

- Easy to use for end-users
- How to extract your data in SDTM:
 - Request an export



65 KB



download a zip file (in .xpt format)



XPT File

XPT File

XPT File

ae.xpt

ce.xpt

cm.xpt

409 KB

114 KB

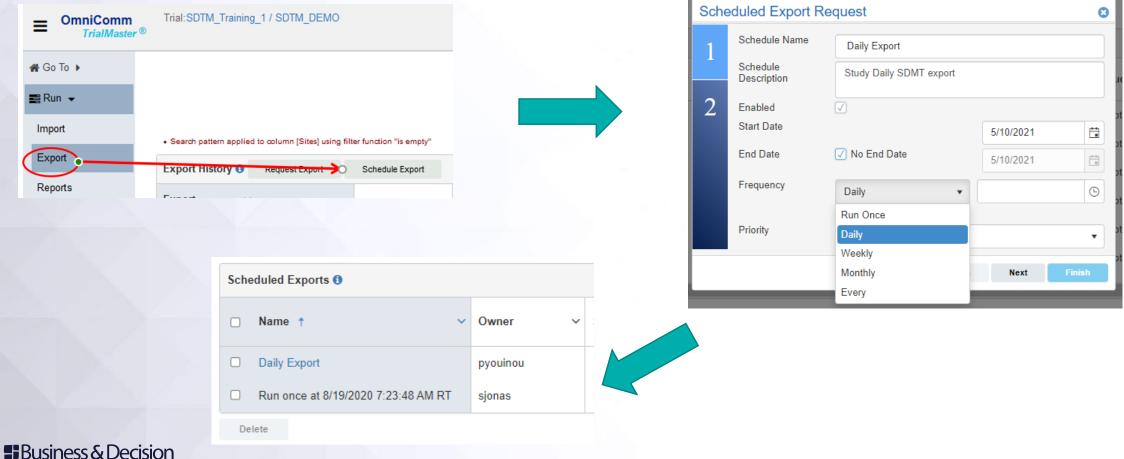
942 KB

91%

94%

PROGRAMMING OF SDTM DATA WITHIN EDC SYSTEM - BENEFITS

 SDTM Data can also be exported on demand by the end user or by scheduling tasks to run on the server at a predetermined time and frequency



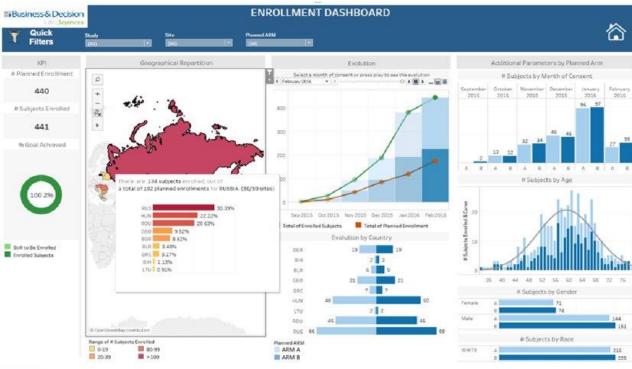
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Life Sciences

PROGRAMMING OF SDTM DATA WITHIN EDC SYSTEM - BENEFITS (I)

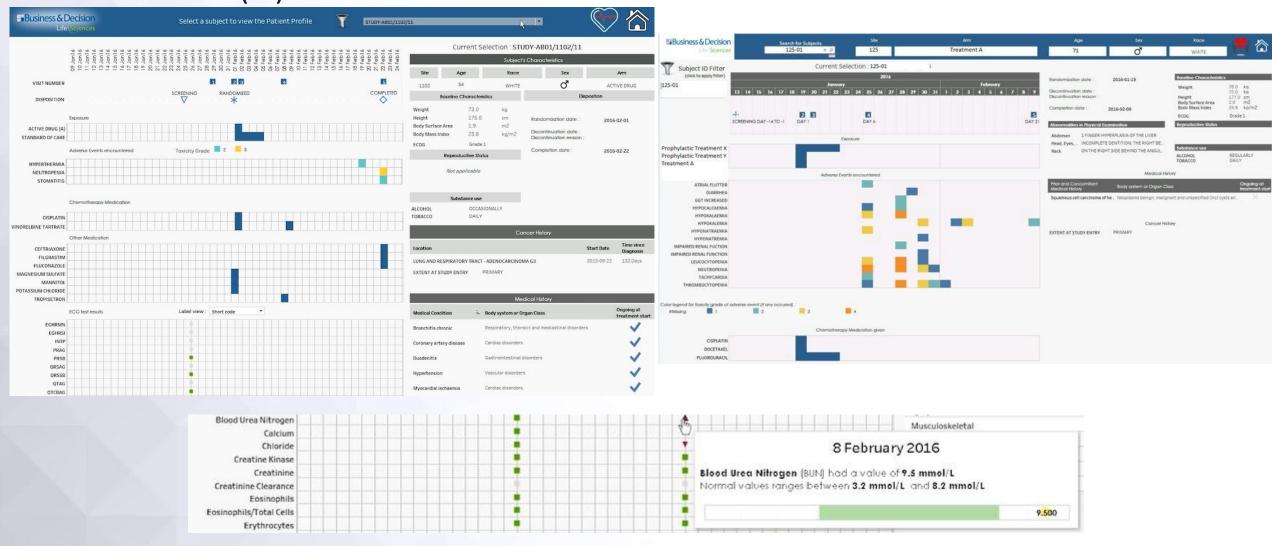
• Real time SDTM extraction allows building Data Visualization dashboards enabling data monitoring in real time. NOTE: Visualization Dashboards are created outside EDC system by BDLS team using Tableau







PROGRAMMING OF SDTM DATA WITHIN EDC SYSTEM — BENEFITS (II) — PATIENT PROFILE





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PROGRAMMING OF SDTM DATA WITHIN EDC SYSTEM – BENEFITS (III)

- SDTM data available for STAT immediately (or at any moment in time) and for data review meetings (IDMC, DSMB, SRC, etc.)
- Possibility to program external data that are integrated and/or uploaded data in TrialMaster (Questionnaires, IWRS, Lab Ranges, etc.) to be converted into SDTM automatically → part of the vendor issues are solved
- No additional time needed for data conversion for Submission, shorten the time for final analysis



PROGRAMMING OF SDTM DATA WITHIN EDC SYSTEM – CHALLENGES

Mostly from programming point of view:

 Good knowledge of the system and good programming skills are required



Example: Domain SV is missing EPOCH variable

 Only one Clinical Database Administrator / Programmer can work on the export template module at the time

time consuming

PROGRAMMING OF SDTM DATA WITHIN EDC SYSTEM — CHALLENGES

 After the study GO LIVE, any update in SDTM domains implies a Mid Study Change which require deployment by Anju team (in UAT and production environments).

Anju SDTM Module experts are based in US only → time-zone difference to be taken into account when you have a question or issue





CONCLUSION

- Beneficial and useful solution to help in review / monitoring of your data in real time. It
 allows to have your data in SDTM at any moment in time during the course of your study.
- It's quite challenging to set-up, so it needs careful consideration before the start of the project:
 - Need careful understanding at the beginning of the project of all analyses to be performed during the course of your study.
 - All planned meetings (e.g. DSMB, SRC, IDMC, etc.) where your SDTM & ADaM outputs are required quickly and within short timelines should be taken into account as well.
- In case only a mid-project/interim analysis & DBL is planned, a standard conversion process outside the EDC system can be sufficient.



THANK YOU FOR YOUR ATTENTION Q&A

