Society for Clinical Data Management
DATA DRIVEN

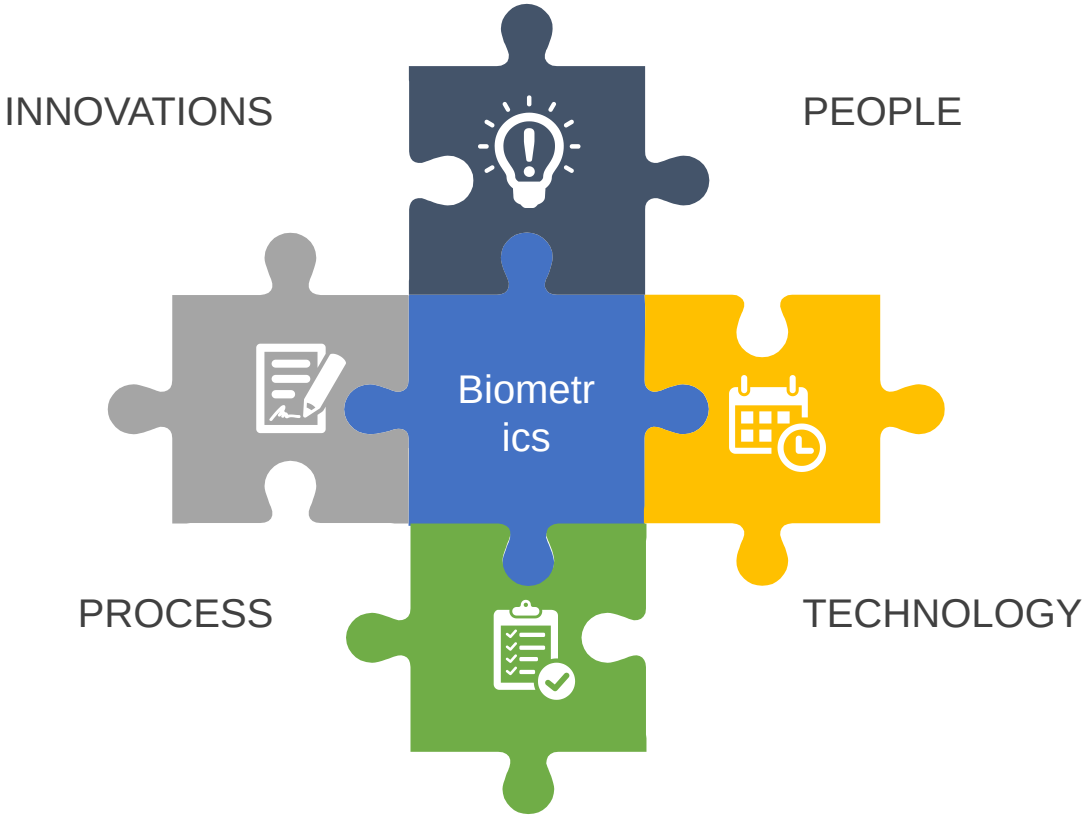
Theme:
Capabilities | Collaboration |
Change on the way to Clinical Data Science

SCDM Live

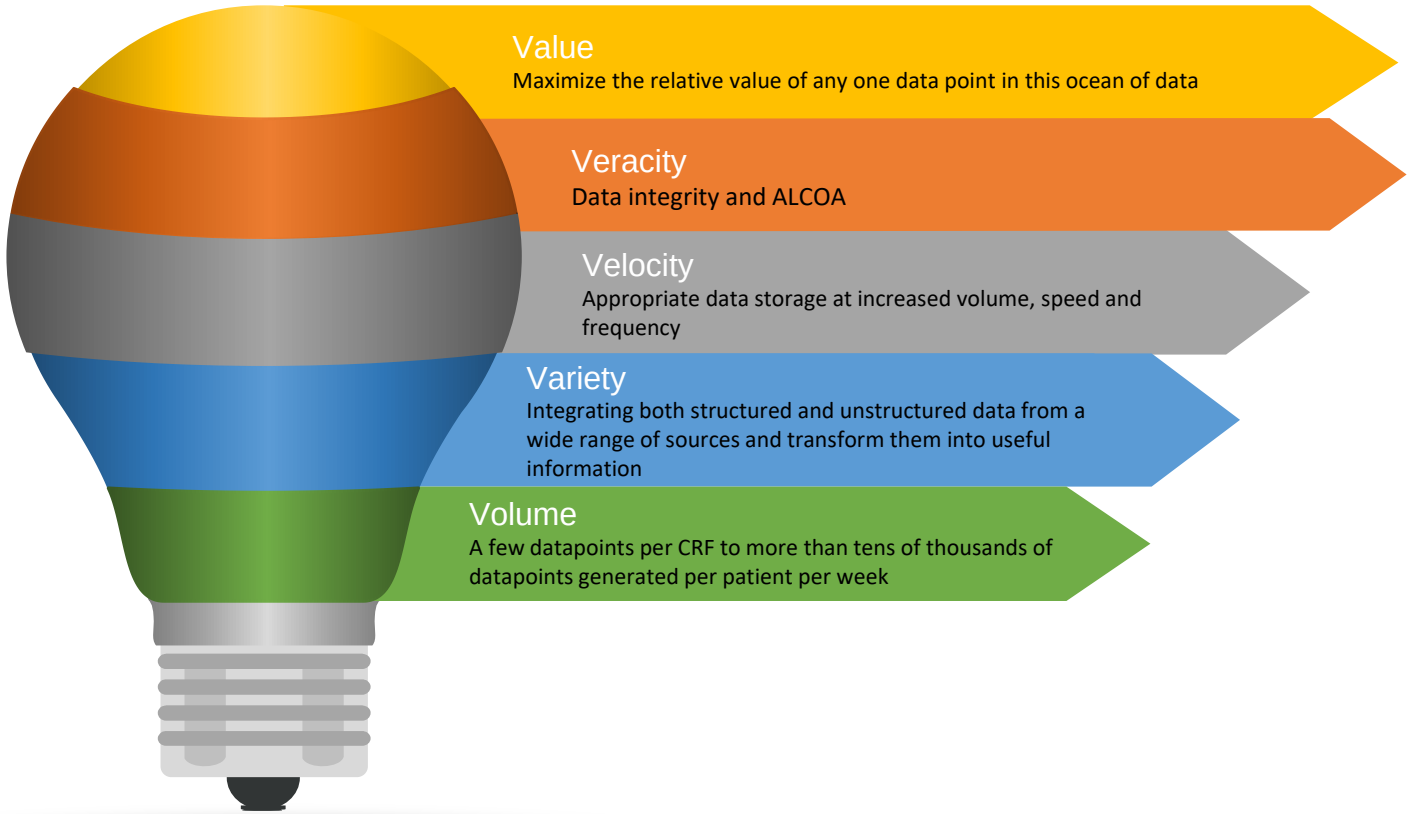
India conference

2nd - 3rd December 2022
Radisson Blu Hotel, Bengaluru

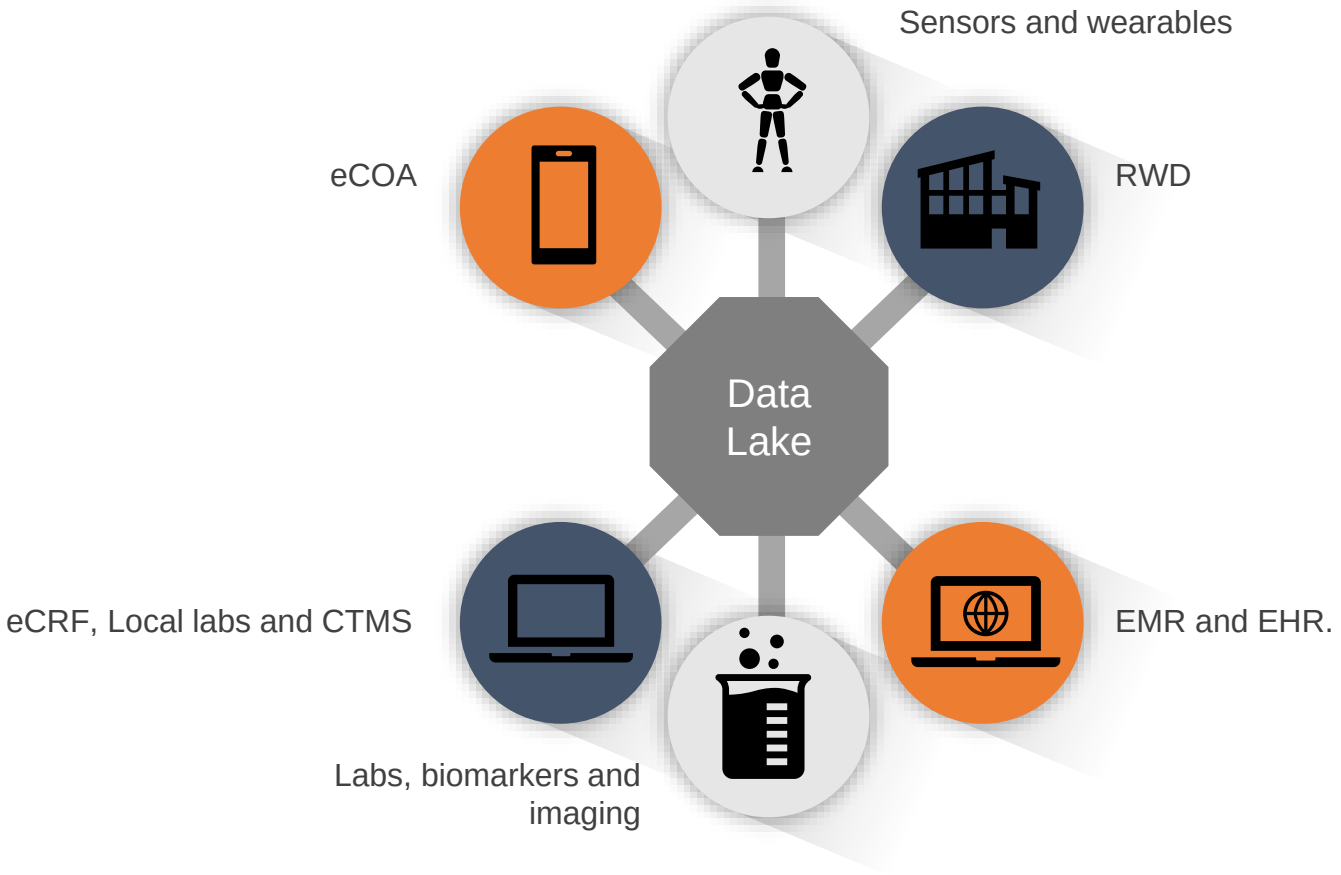
Connecting dots in Biometrics



Clinical data strategies (5 Vs)



Creation of Data Lake



Benefits of data lake creation

- Democratization
- Enhanced data quality
- Incorporation of varies data structures and formats
- Scalability
- Versatility
- Flexibility
- Advanced Analytics and trending
- Real time data cleaning

Strategizing in study startup

- Usage of technology and streamlining of processes to reduce time between protocol finalization and DB Go Live.
- Metadata driven approach to a clinical data lake to integrate multiple data sources irrespective of the varied structures and formats
- Automation of integration and checks will help us get true insights and trending.
- Creation of structured protocol developer tool to develop eCRF design in collaboration with the global library.
- Creation of DMP through standard templates and collaboration within the tool to manage updates and DMP approvals.
- Standard and flexible libraries accommodating multiple study designs.
- Using streamlined, fit-for-purpose and risk-based approaches to improve the costly and lengthy postproduction eCRF change process
- Targeting edit checks on what matters (i.e., being risk-based and focusing on critical data and processes)

Strategizing in study conduct and lock

- Embracing AI and agile methodology to shorten time from LPLV to DB lock drastically.
- A real time data cleaning technology on the data lake with all data sources integrated
- Collaboration between EDC and data lake platform to create prompters to give cues to end users
- Creation of bots to raise queries in EDC platform will ensure high quality data delivery at real time.
- Utilization of AI to understand datasets more deeply, understand data trends to identify new insights.
- Collaborating with vendors to bring in real time data reconciliations and automating the vendor process.
- Collaborating through the data lake platform to highlight protocol deviations, route issues to different stakeholders (including sponsors)
- Creation of user friendly and tailored dashboards, enhanced and real time reporting system