

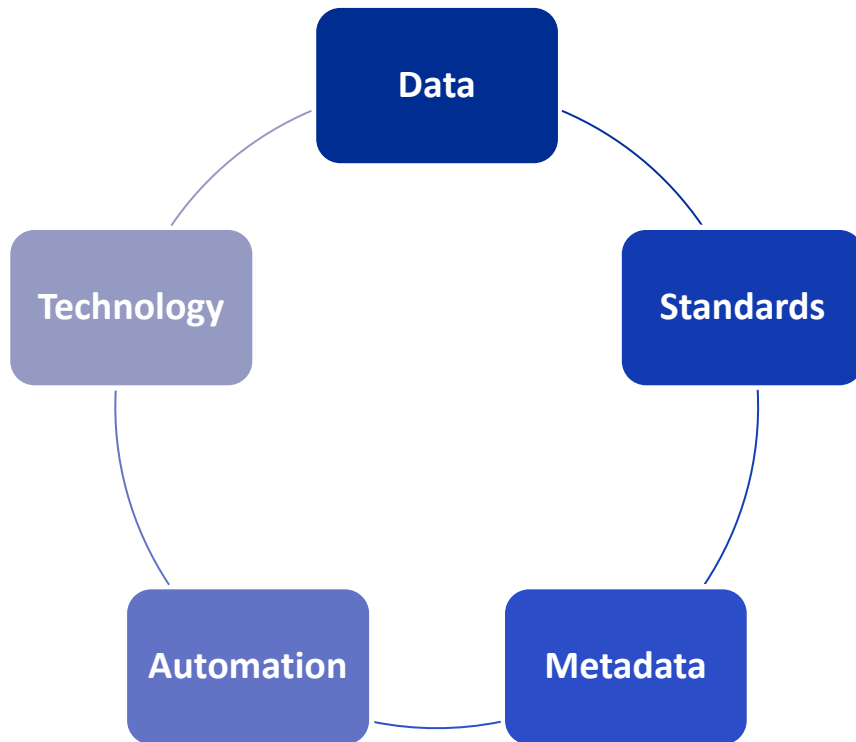
Single Day Event

Exploring the Next Phase of Data Analytics
Mayank Anand and Miho Hashio
GSK



Key Components for Our Journey

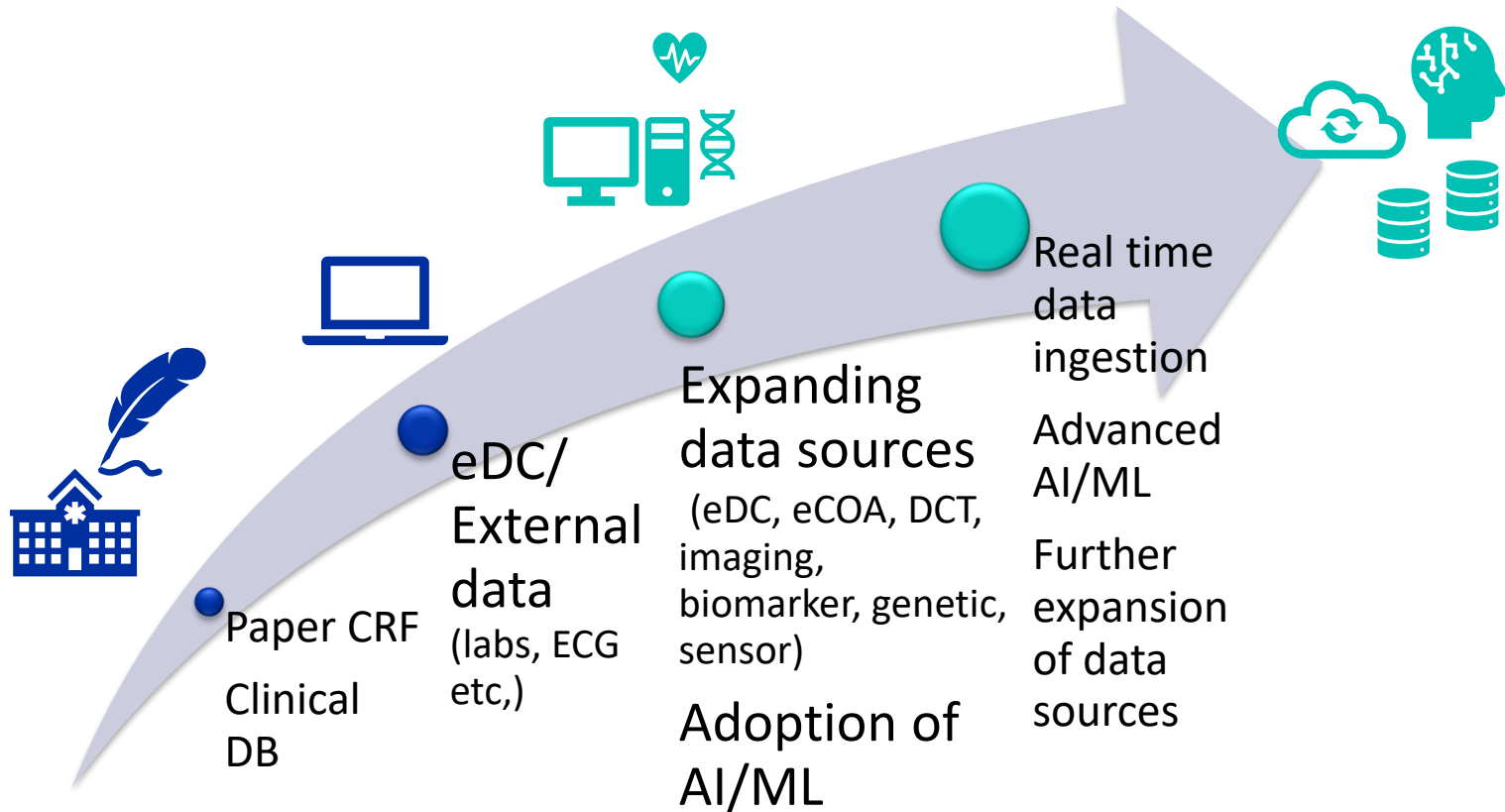
-Toward Next Phase of Data Analytics-





Technology & Data

– Where Are We Heading ? –





Data Standards

– Current Reality –

Current Reality

**Partial
Automation**

**Silo
Standards**

**Study Level
Variations**

**Many Data
Points
/Results**

**Partial
Metrics**



Strong Standards & Governance

-Toward Next Phase-

Current Reality

Partial
Automation

Silo
Standards

Study Level
Variations

Many Data
Points
/Results

Partial
Metrics

Next Phase


Automation
via E2E
Metadata


Harmonized
Standards


Commitment
to Standards

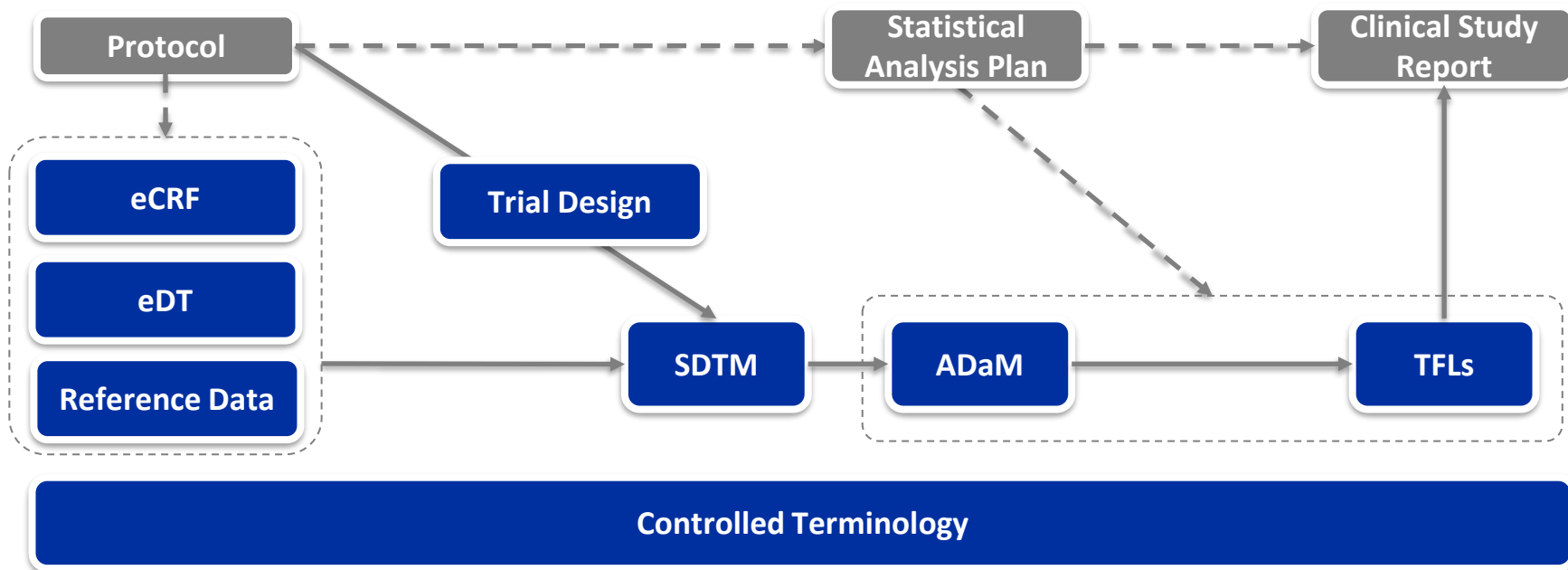

Simplify &
Modernize


Monitor
Impacts



Traditional Metadata

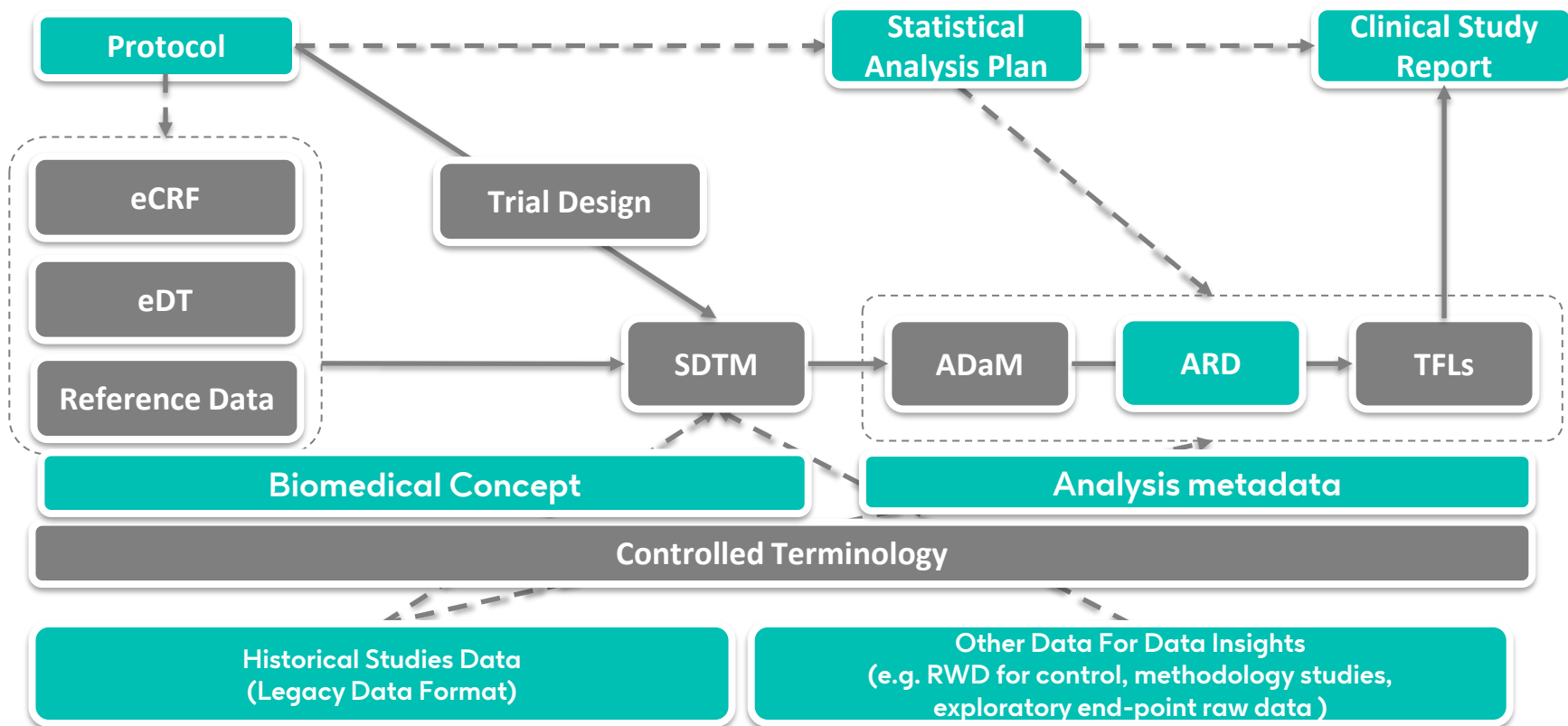
- For Clinical Trials-





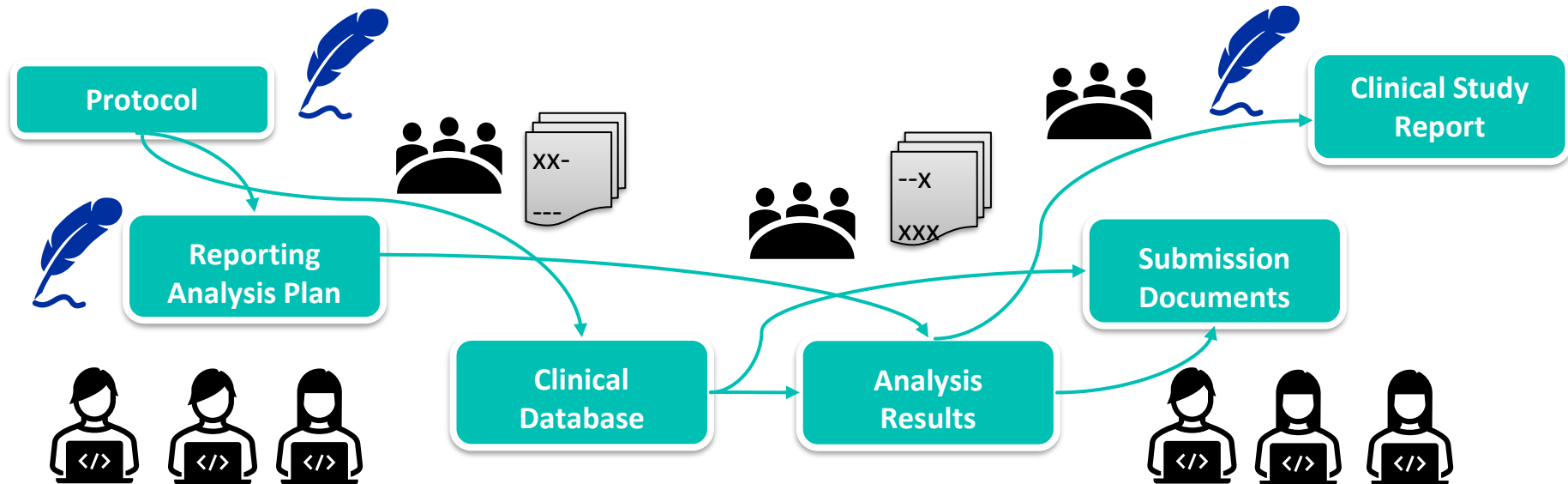
Linked Metadata for Clinical Trials

- Enable Automation & Use/Re-Use For Clinical Trials-





Automation – Current Reality



Study build

- Multiple translation to study spec
- Build database use standards
- Programming, code build and QC/validation steps

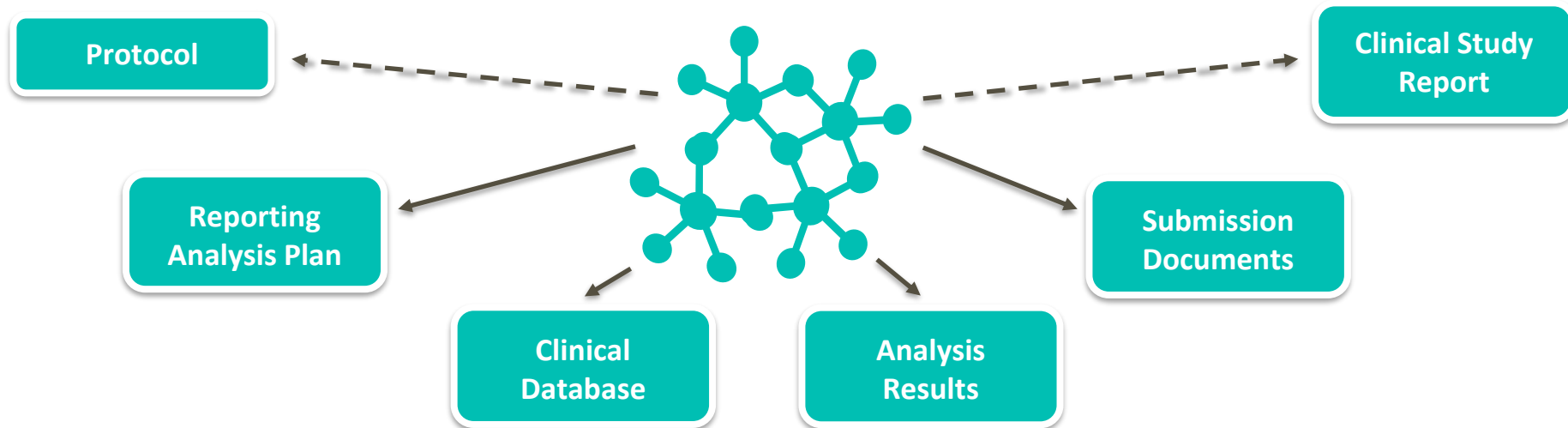
- Increased focus on data insights
- Respond to evolving needs
- Quick delivery

Study execution

- Check/review all
- Many end points/analysis results
- Asset level integration



Metadata Driven Automation



Efficient study build

- Fit for purpose and easy to adopt
- Proactive impact analysis
- Increased consistency

- Increased focus on data insights
- Respond to evolving needs
- Quick delivery

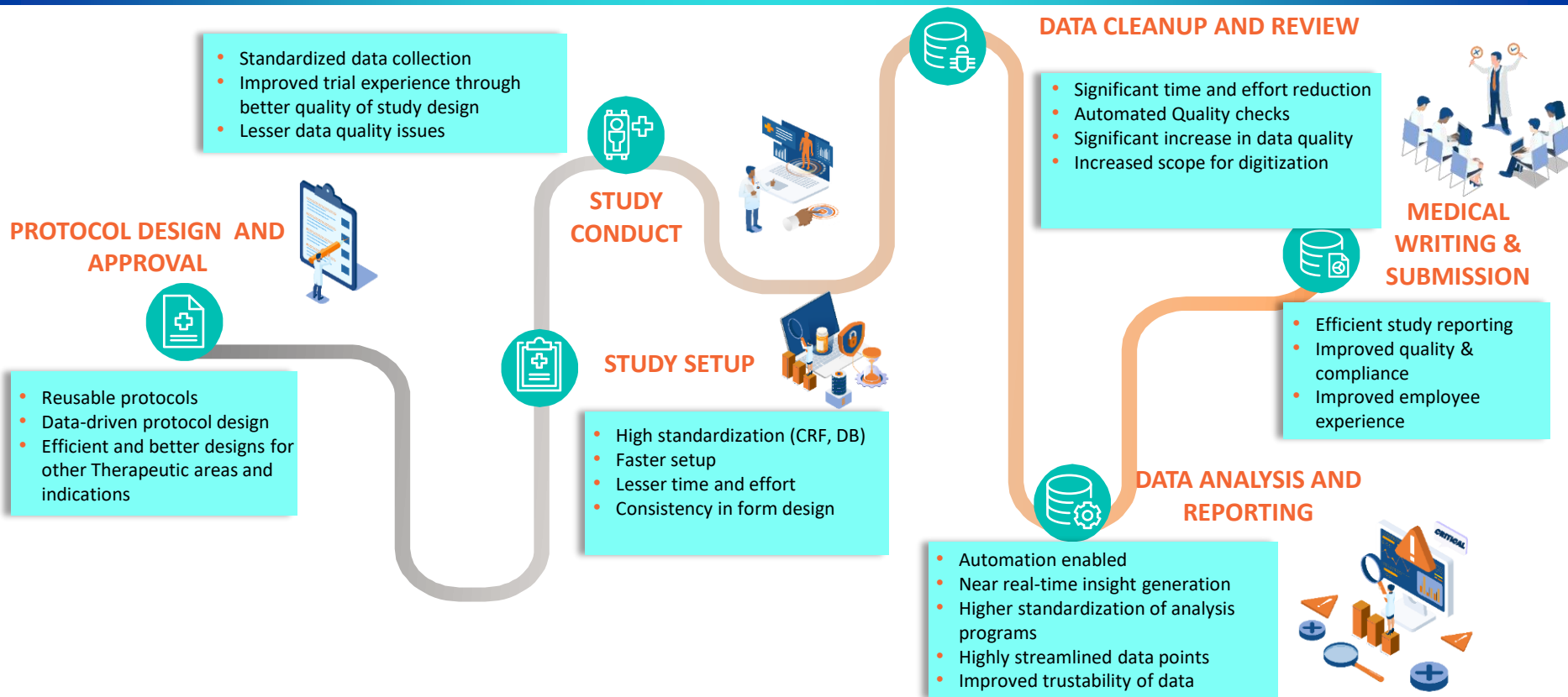
Efficient study execution

- Quality by design
- Reusable analysis results
- Simpler integration



Summary

- Next Phase of Data Analytics -





The Global Healthcare Data Science Community

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Social Media

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📘 [/phusebook](https://facebook.com/phusebook)
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