



2023

US

INTERCHANGE

FALLS CHURCH, VA | 18-19 OCTOBER



State of the Consortium

Dave Evans, President and CEO, CDISC



Meet the Speaker

Dave Evans

Title: President and CEO

Organization: CDISC

Dave Evans is recognized industry-wide as a leading technology visionary for developing and implementing complex process and system solutions and as an expert in the areas of information standards, regulatory compliance and quality governance. He was the architect and developer of the first electronic drug submission to the FDA in 1985 and has been responsible for more than 100 electronic regulatory submissions and complex clinical data warehouse systems. He brings over 40 years' experience to CDISC, serving in various executive-level positions in software development, clinical research, regulatory and healthcare industries. Most recently, he was the Global Head of Quality Governance and Regulatory Compliance for Accenture Life Sciences. Prior to that, he was CIO of Octagon Research Solutions. He has also served on the CDISC Board and has chaired the CAC.

Dave received his MS in Biomedical Engineering from Drexel University and his BS in Biology from Ursinus College.

Thank You to Our US Program Committee

- Harivardhan Jampala, Fortrea
- Asif Karbhari, AstraZeneca
- Bron Kisler, Nurocor
- Kent Letourneau, ICON plc
- Srinivasa Rao Mandava, Merck
- Sandra Minjoe, ICON plc
- Amy Palmer, CDISC
- Terek Peterson, YPrime
- Donna Sattler, Bristol Myers Squibb
- Peter Van Reusel, CDISC

Thank You to Our Sponsors and Exhibitors



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EXHIBITORS



Thank You for Joining Us!

- First Interchange with entire track dedicated to Workshops
- First US Interchange to have entertainment during the Evening Event
- Presentations and panel discussions with global regulatory representatives
- Cutting-edge topics; the latest on major CDISC initiatives





cdisc - Who we are today

Mission: To develop and support global, platform-independent data standards that enable information system interoperability to improve medical research and related areas of healthcare

- Global Non-profit Consensus-based Standards Development Organization
- 20+ Years of Regulatory Clinical Data Standards Development and Implementation
- Experienced Leadership Team and Dedicated Staff of 40+ Professionals and SMEs
- Volunteer Network of 1000+ Industry Experts
- 500+ Member Organizations
- Widely Adopted and Freely Available Clinical Research Data Standards
- Mature and Globally Accepted Standard Governance Processes
- Innovative Open-Source Technology for Standards Library and Metadata Management
- Involved in a wide range of emerging Industry Initiatives and Projects
- Collaborative Ecosystem of Relationships and Partnerships
 - Members, Regulators, Patient Foundations, Academia, SDOs and Industry

Alliances and Collaborations

CFAST & Therapeutic Area Partnerships

CDISC collaborates with many organizations to develop Therapeutic Area (TA) standards for multiple disease areas through the Coalition for Accelerating Standards and Therapies (CFAST) initiative, as well as other partnerships.



innovative medicines initiative



CRITICAL PATH INSTITUTE
collaborate • innovate • accelerate



International Organization for Standardization



Leading healthcare terminology worldwide



Standards Development Organizations (SDO) Collaborations

CDISC collaborates with other SDOs to develop standards that are synergistic to support a learning health system based upon high quality research.

Regulatory Collaborations

CDISC works closely with regulators around the world to ensure that CDISC standards will 1) streamline research from protocol/study design and trial registration through analysis and reporting; 2) facilitate the eSubmission review process; 3) ensure that clinical research is high quality; and 4) support the approvals of safe and efficacious medicines for patients.

Regulators also contribute to TA standards development



EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH



CHINA NMPA



ICH
harmonisation for better health

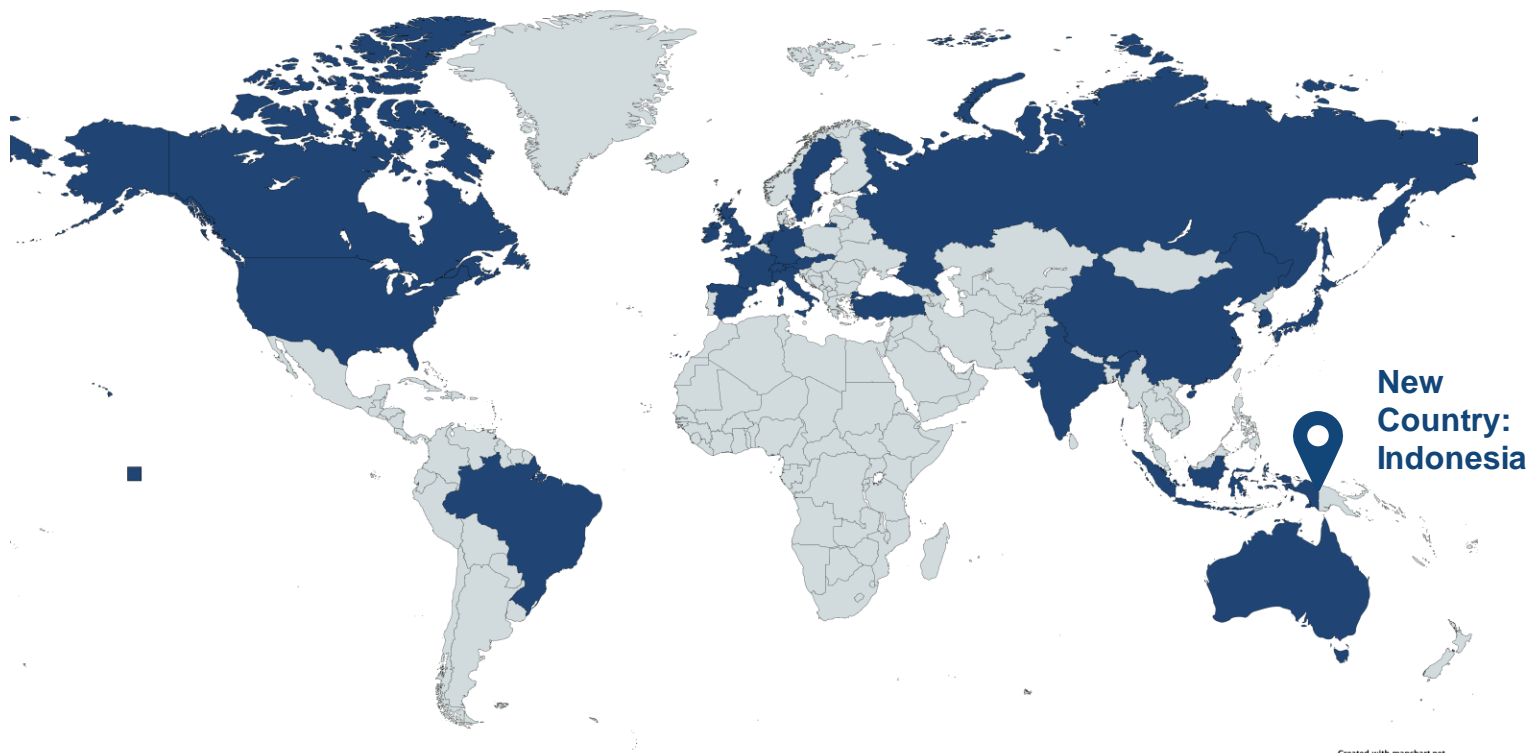
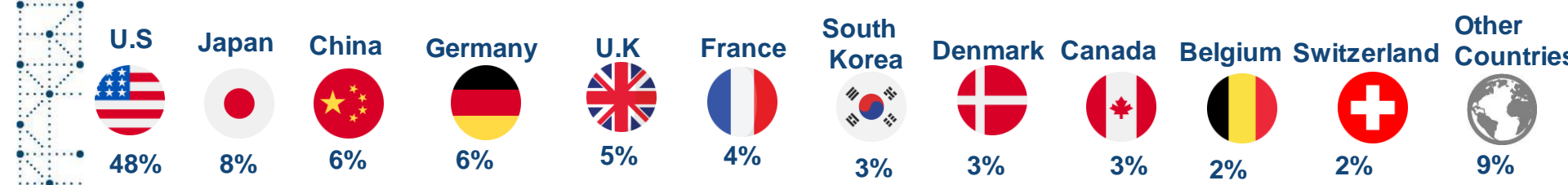


CDISC and PhUSE partner to further the mission of each organization collectively, with CDISC focusing on the development of global, platform-independent data standards, and PhUSE focusing on the implementation and use of the CDISC standards. The two organizations work to combine efforts on key initiatives around end-to-end standards, TA standards, and semantics, strengthening an interdependent process.



CDISC – a look into this year

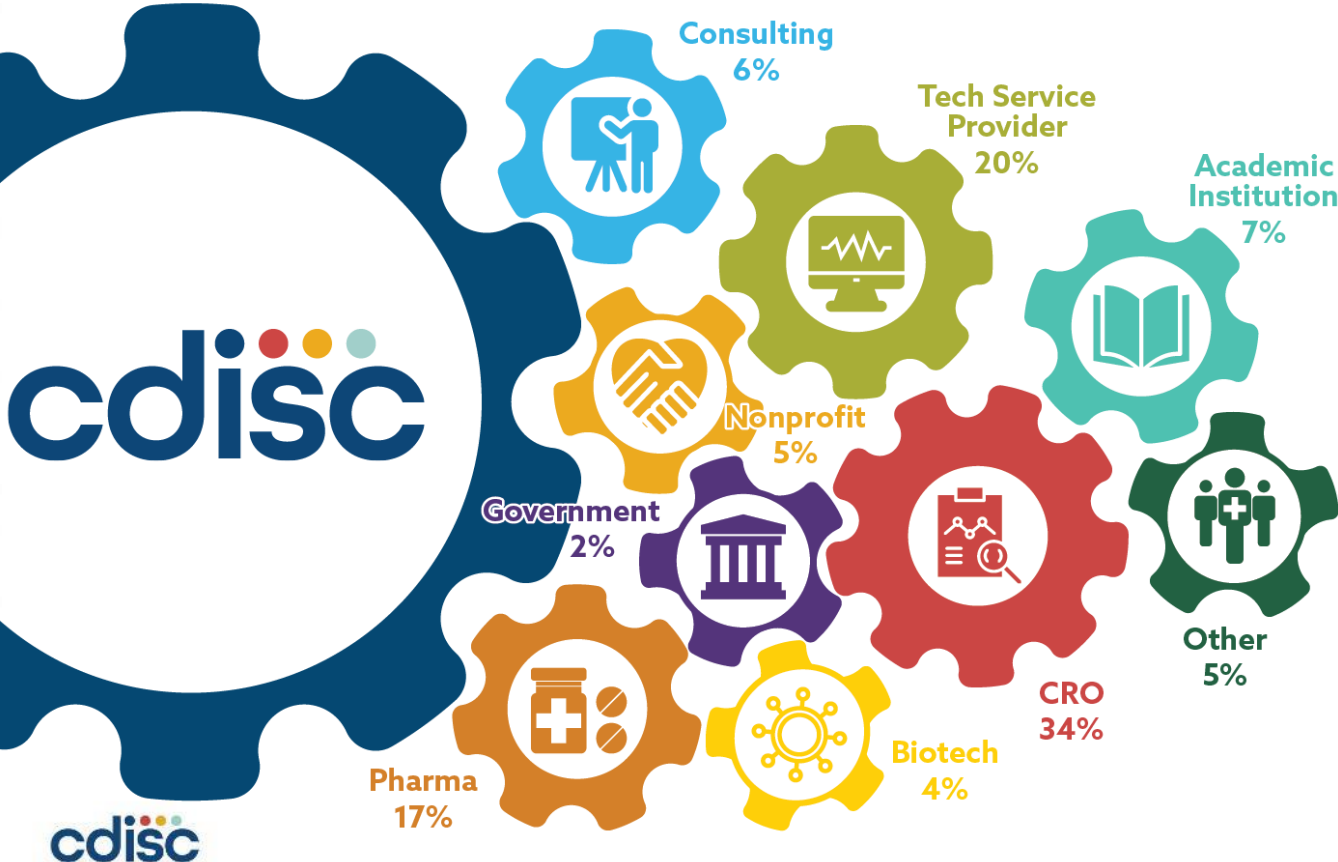
- **Ongoing Standards Initiatives from Regulatory Agencies**
- **Ongoing Therapeutic Area Projects**
- **Ongoing Activities and Projects on RWD/RWE & Data Sharing**
- **Standards Implementation for Registries and Academic Use**
- **New Industry Projects are on schedule for delivery**
- **Continue to build upon CDISC Library and Biomedical Concepts**
- **Continue to add content to eCRF Portal and QRS Library**
- **Collaboration with other SDOs on emerging Industry Initiatives**
- **Expansion into additional areas of Clinical Information Standards**



New Country:
Indonesia

Created with mapchart.net

CDISC Members = Diverse Global Community



CDISC Membership



2023 On-Site Conferences

2023
EUROPE
INTERCHANGE
COPENHAGEN | 26-27 APRIL



Europe Interchange
Copenhagen, Denmark
24 – 25 April Education Courses & Workshops
26 – 27 April Main Conference

2023
JAPAN
INTERCHANGE
TOKYO | 10-11 JULY



Japan Interchange
Tokyo, Japan
10 – 11 July Main Conference (*Hosted by Oracle*)
12 – 13 July Education Courses (*Hosted by EPS Corporation*)

2023
CHINA
INTERCHANGE
BEIJING | 25-26 AUGUST



China Interchange
Beijing, China
25 – 26 August Main Conference
22 – 24 August Education Courses

2023
CDISC TMF
INTERCHANGE
BALTIMORE | 28-29 SEPTEMBER



CDISC TMF Interchange
Baltimore, Maryland
28 – 29 September Main Conference
27 September Education Courses

2023
US
INTERCHANGE
FALLS CHURCH, VA | 18-19 OCTOBER



US Interchange
Washington, DC Area
16 – 17, 20 October Education Courses & Workshops
18 – 19 October Main Conference

2023
KOREA
INTERCHANGE
SEOUL | 11-14 DECEMBER



Korea Interchange
Seoul, South Korea
13 – 14 December Main Conference
11 – 12 Education Courses

Upcoming 2024 CDISC Events



BERLIN
2024
Europe
Interchange
22-25 April



TOKYO
2024 Japan
Interchange
12-13 June



SHANGHAI
2024 China
Interchange
23-24
August

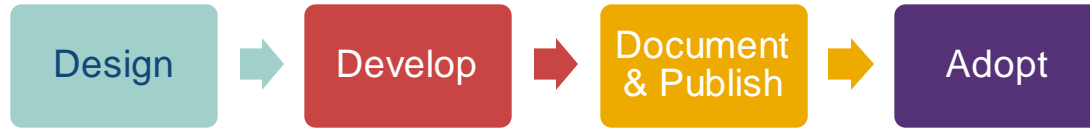


**Coming
Soon!**
US
Interchange
October
2024

What is the next stage on the CDISC Journey?

CDISC has always been an evolving transformational standards organization for information used in clinical research and regulatory submission.

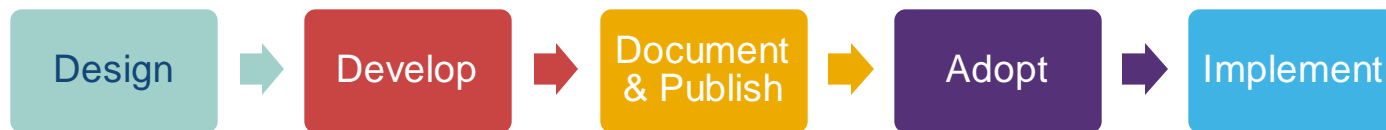
CDISC Data Standards Lifecycle



What is the next stage on the CDISC Journey?

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CDISC Data Standards Lifecycle



Implementation requires:

- *Standards expertise*
- *Standards conformance and verification*
- *Standards machinery and processes*

What is the next stage on the CDISC Journey?

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CDISC Data Standards Lifecycle

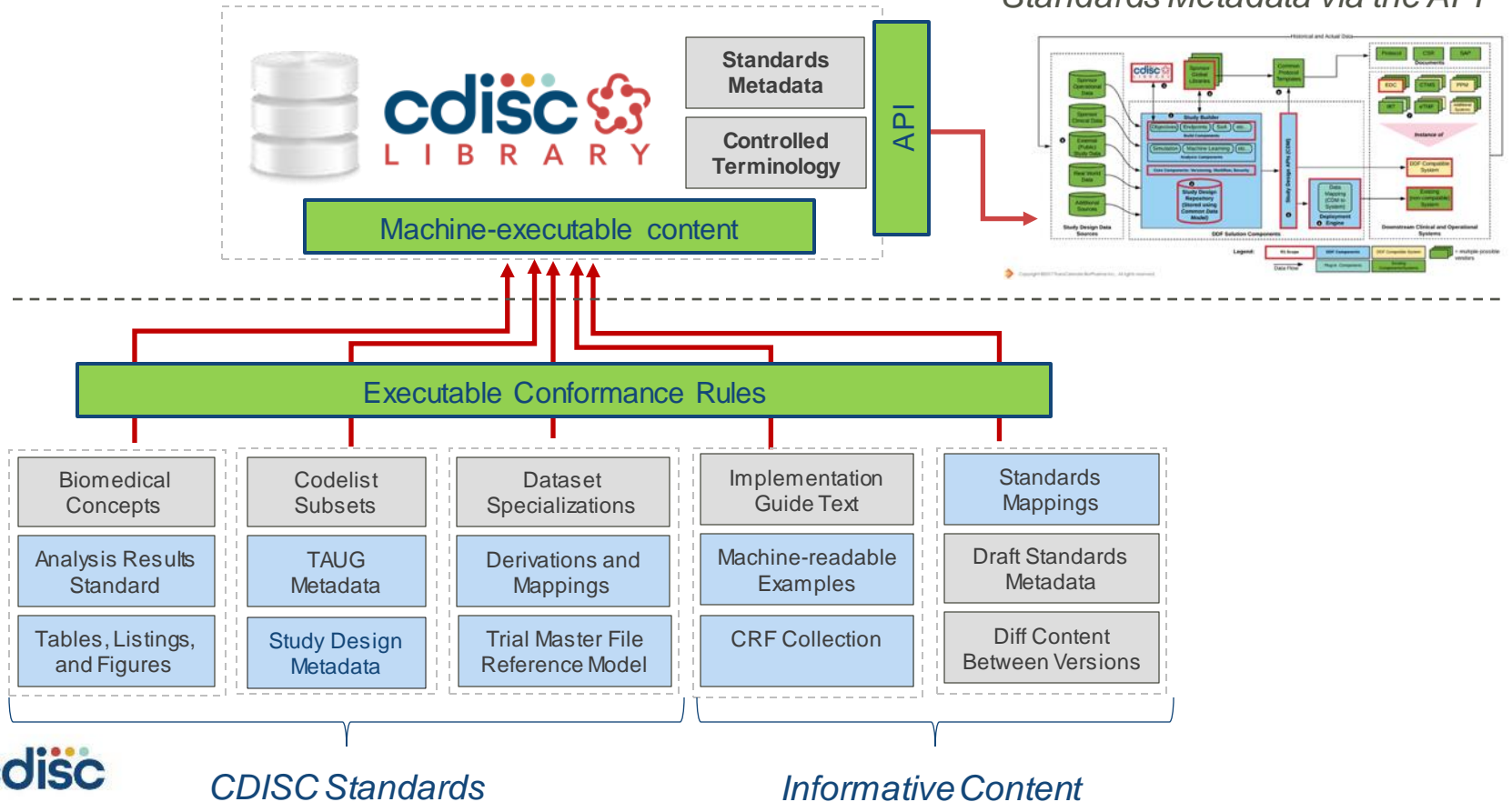


Automation requires:

- *Standard Machine-executable content for Useability*
- *Standard Technology Interfaces for Integration for Accessibility*
- *Standard Verification and Conformance Rules for Integrity*
- *Standard Trial Design Specifications for Total Automation of the Digital Data Flow*

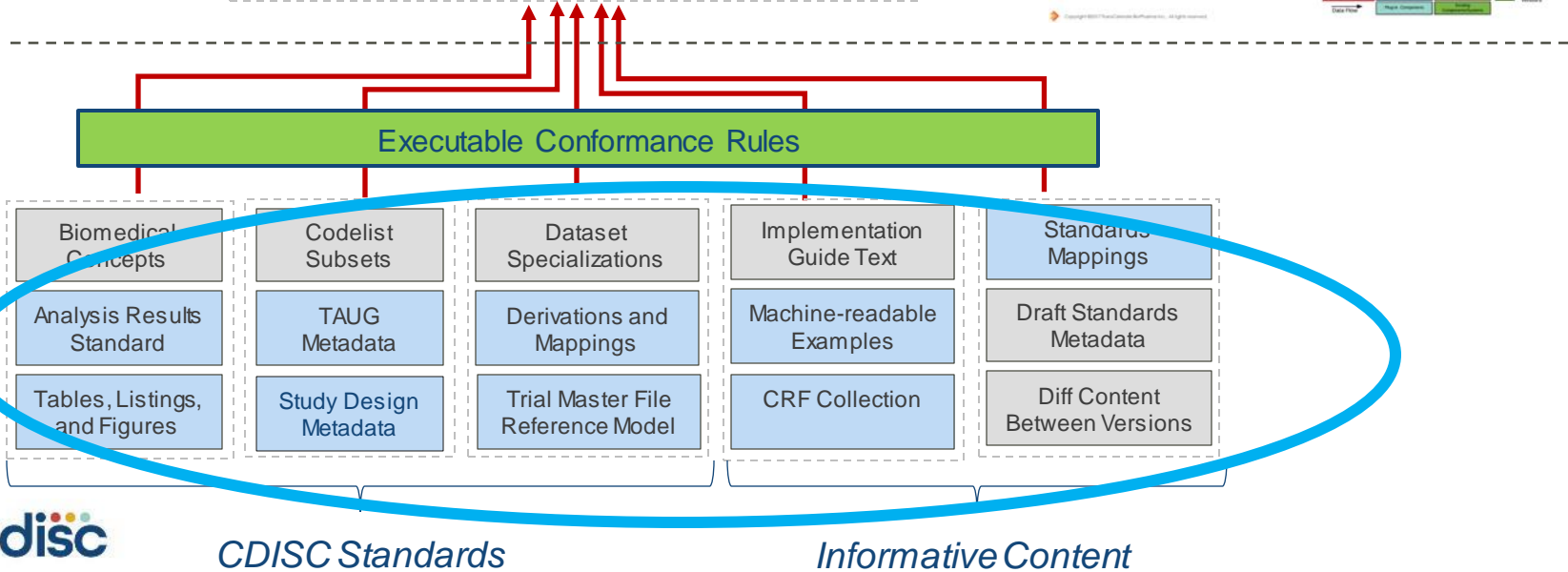
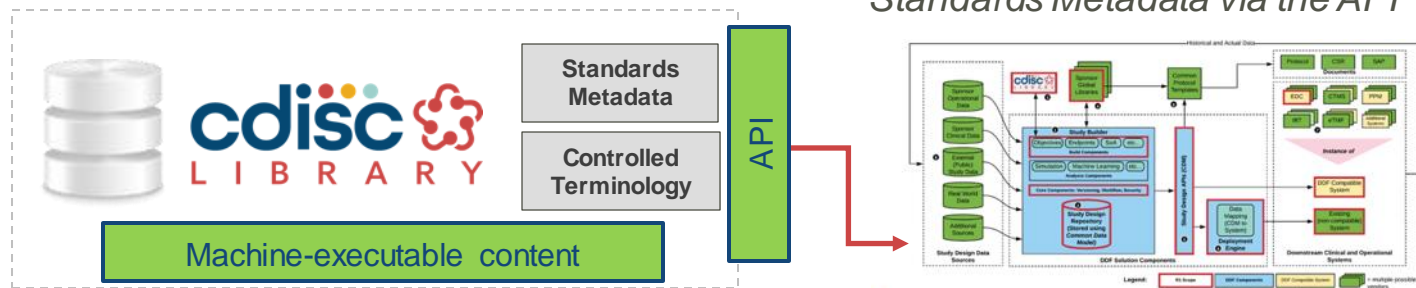
CDISC Library Provides the Foundation

Software Applications Consume Standards Metadata via the API



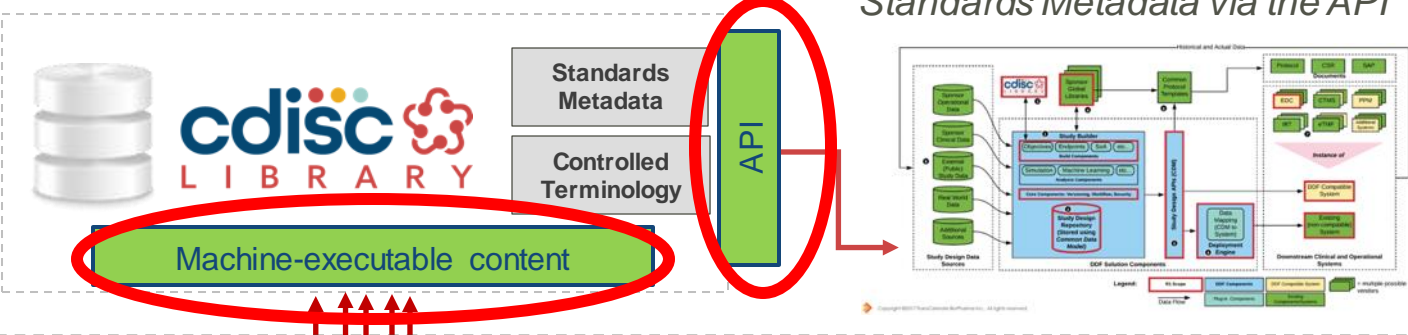
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Executable Conformance Rules

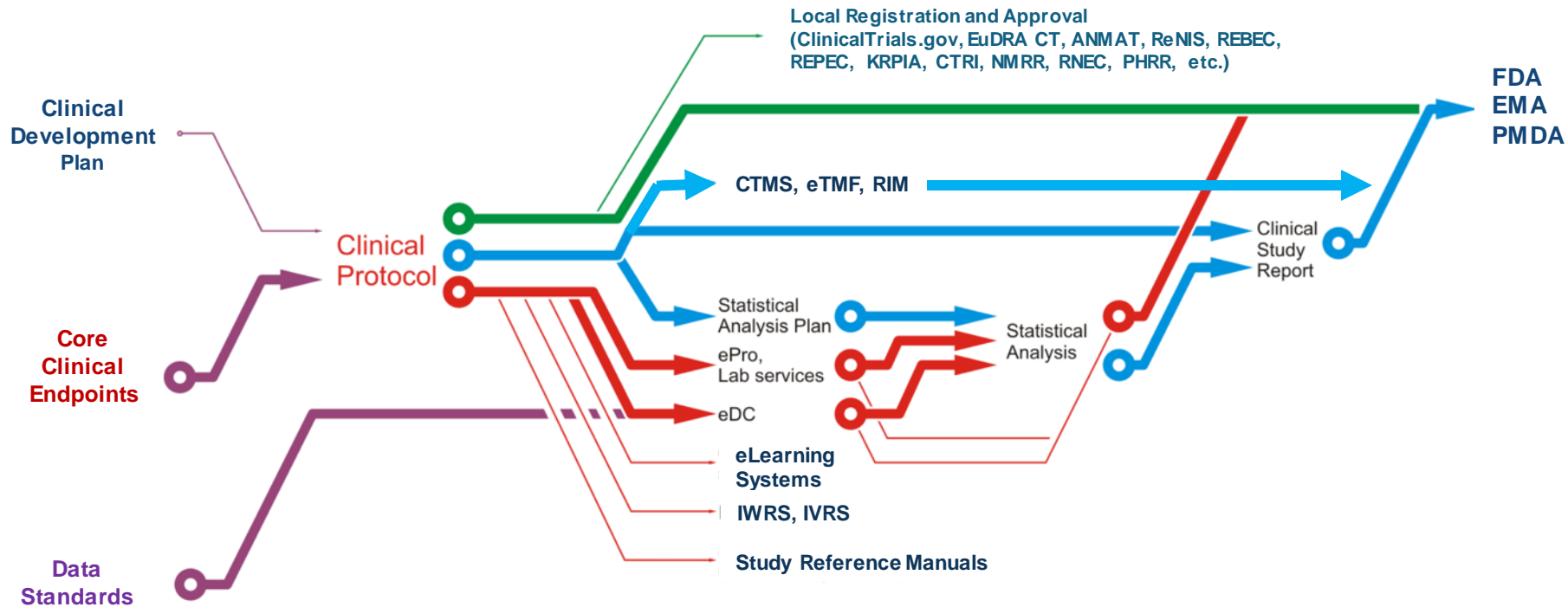
Biomedical Concepts	Codelist Subsets	Dataset Specializations	Implementation Guide Text	Standards Mappings
Analysis Results Standard	TAUG Metadata	Derivations and Mappings	Machine-readable Examples	Draft Standards Metadata
Tables, Listings, and Figures	Study Design Metadata	Trial Master File Reference Model	CRF Collection	Diff Content Between Versions



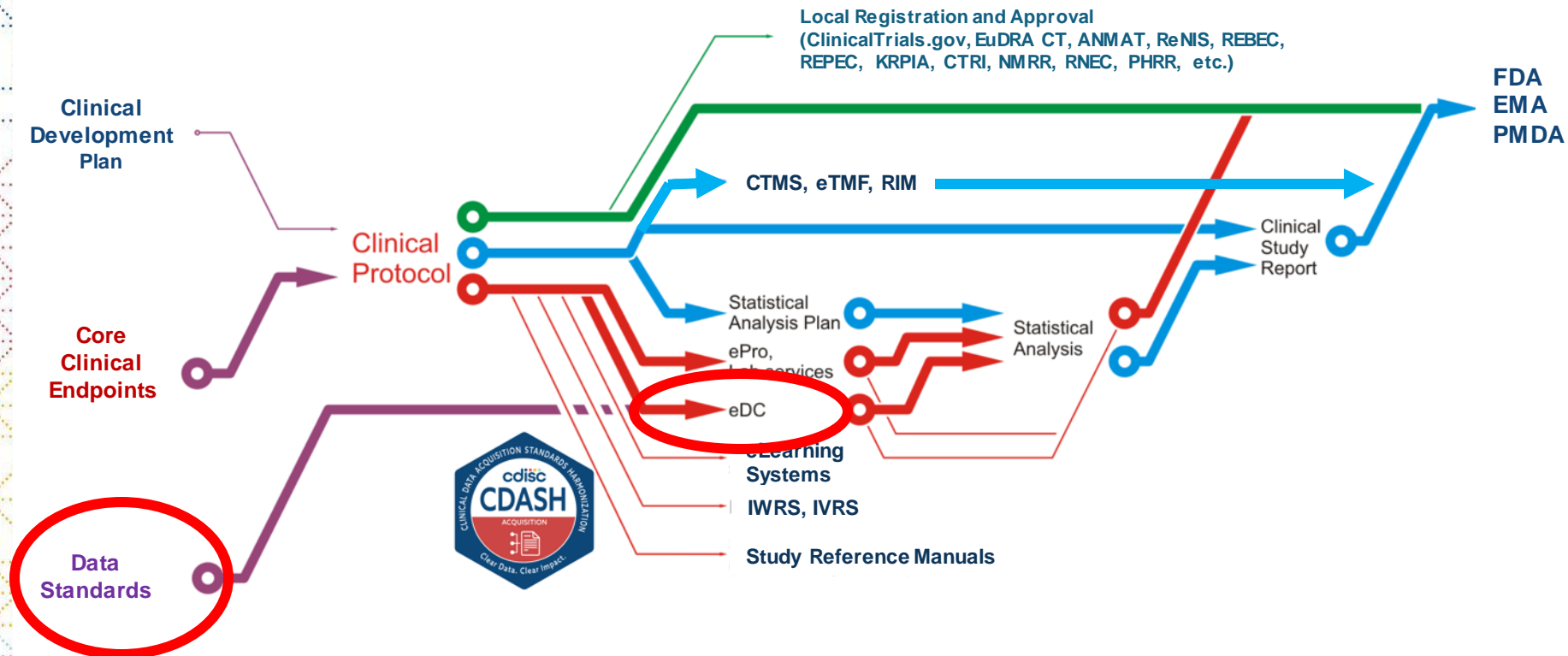
CDISC Standards

Informative Content

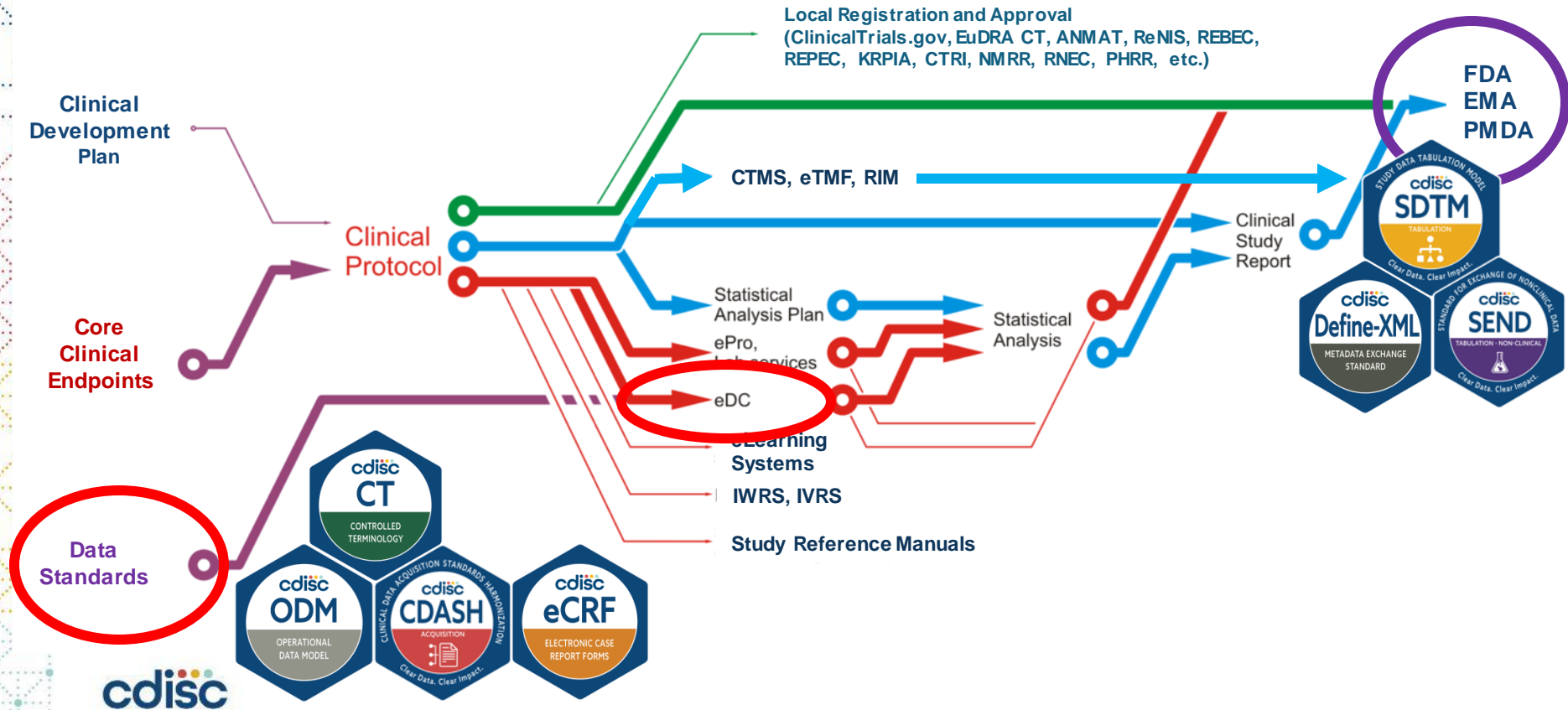
The Clinical Trial Information Flow



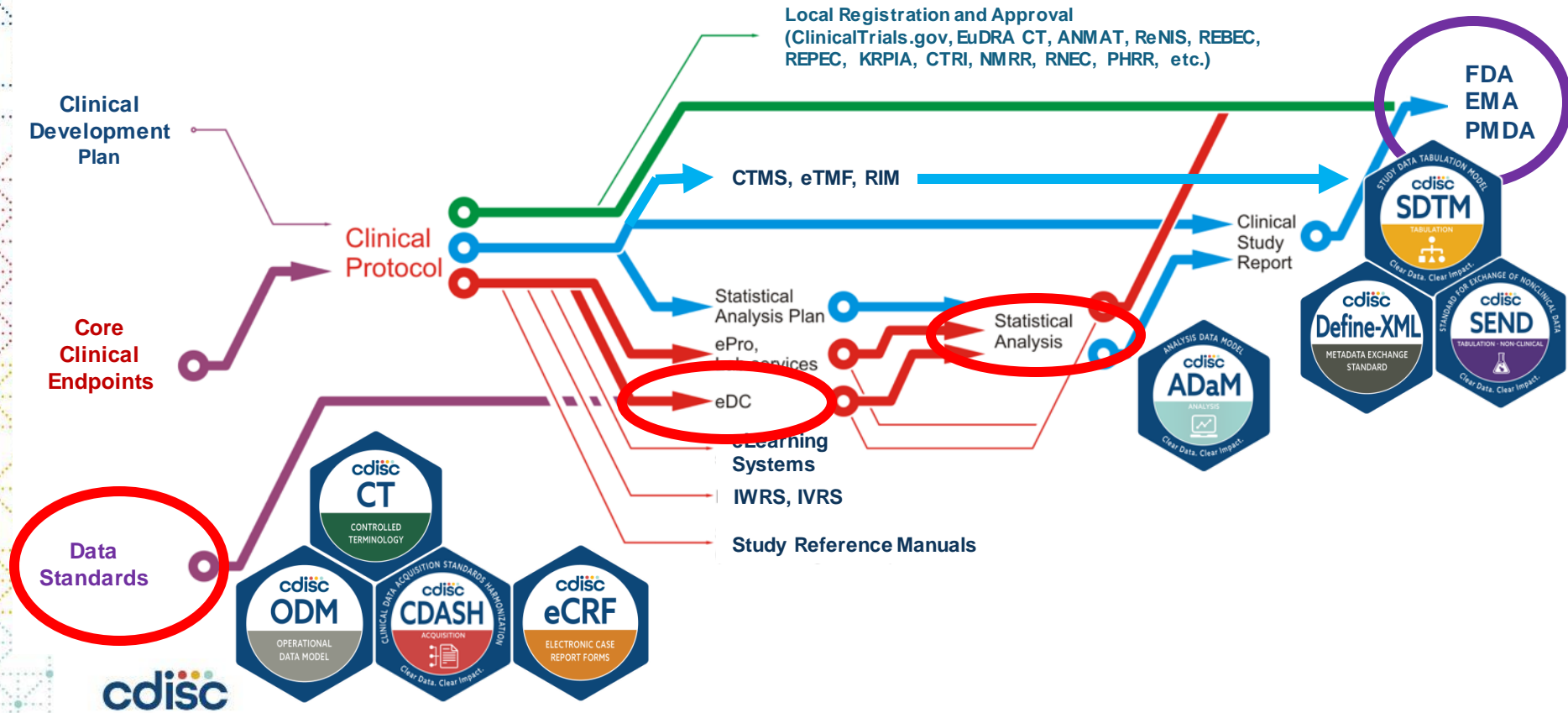
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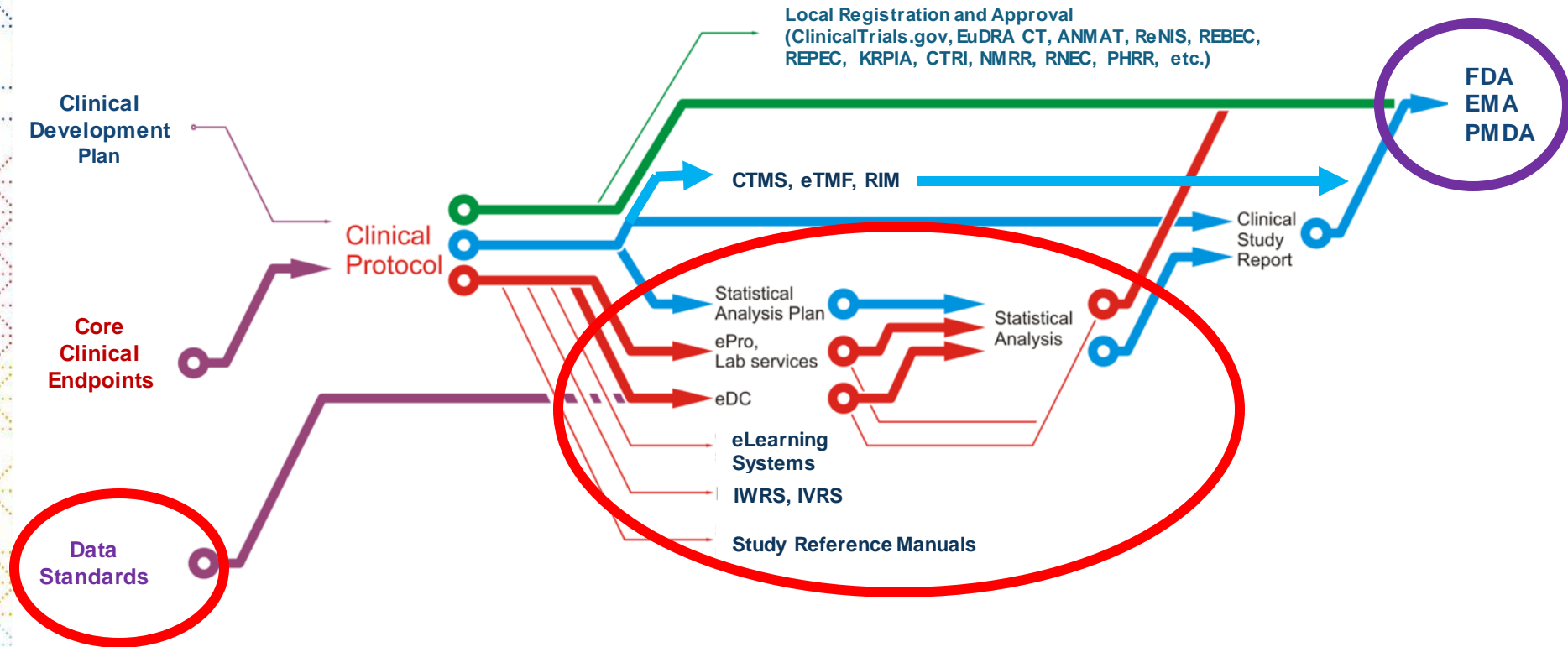
The Clinical Trial Information Flow



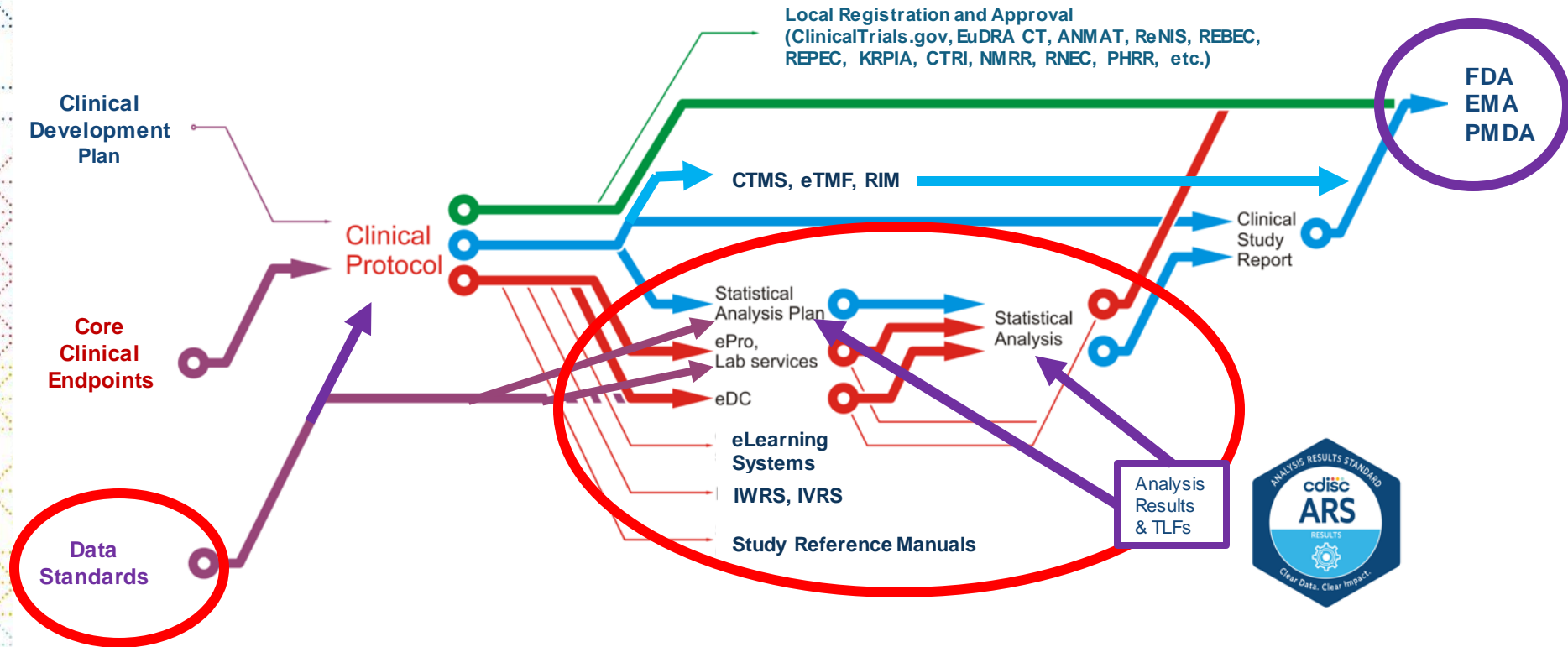
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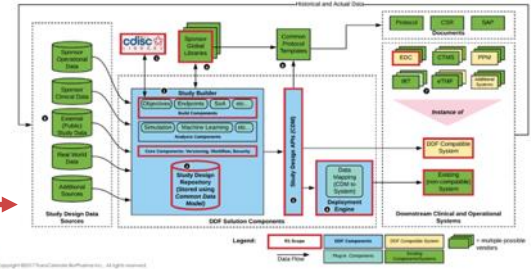


The Clinical Trial Information Flow

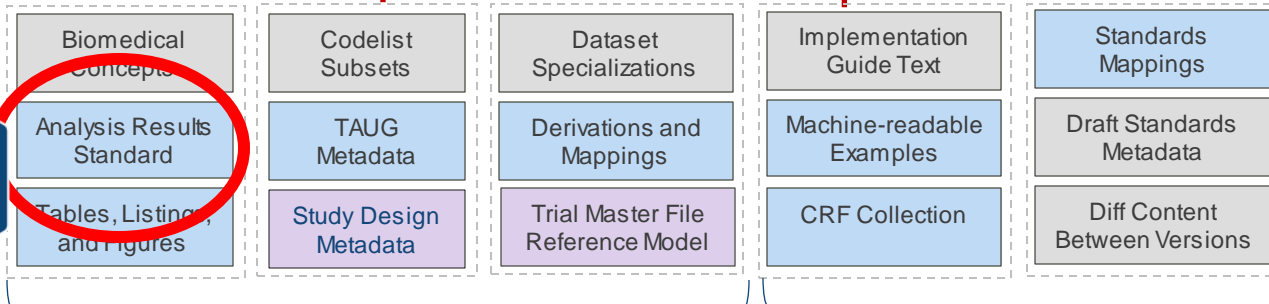


CDISC Library Provides the Foundation

Software Applications Consume Standards Metadata via the API



Executable Conformance Rules

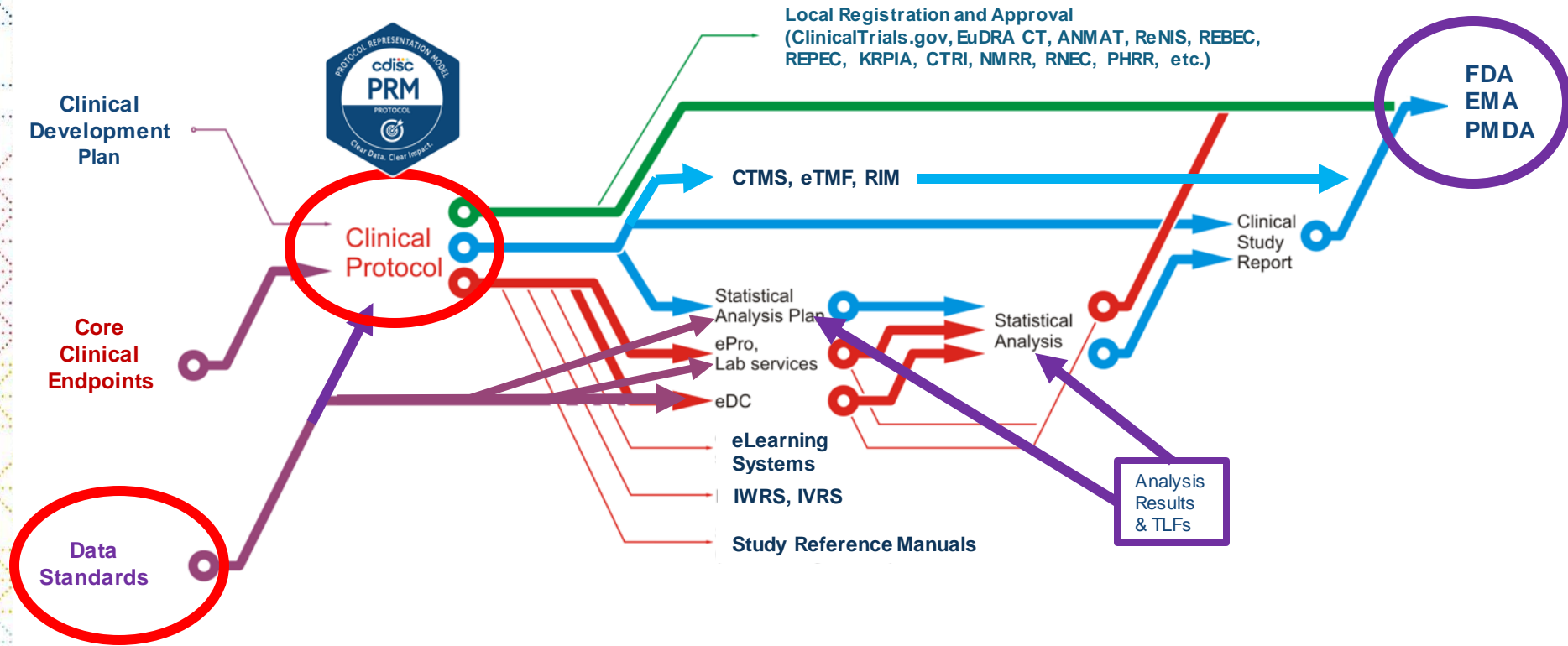


CDISC Standards

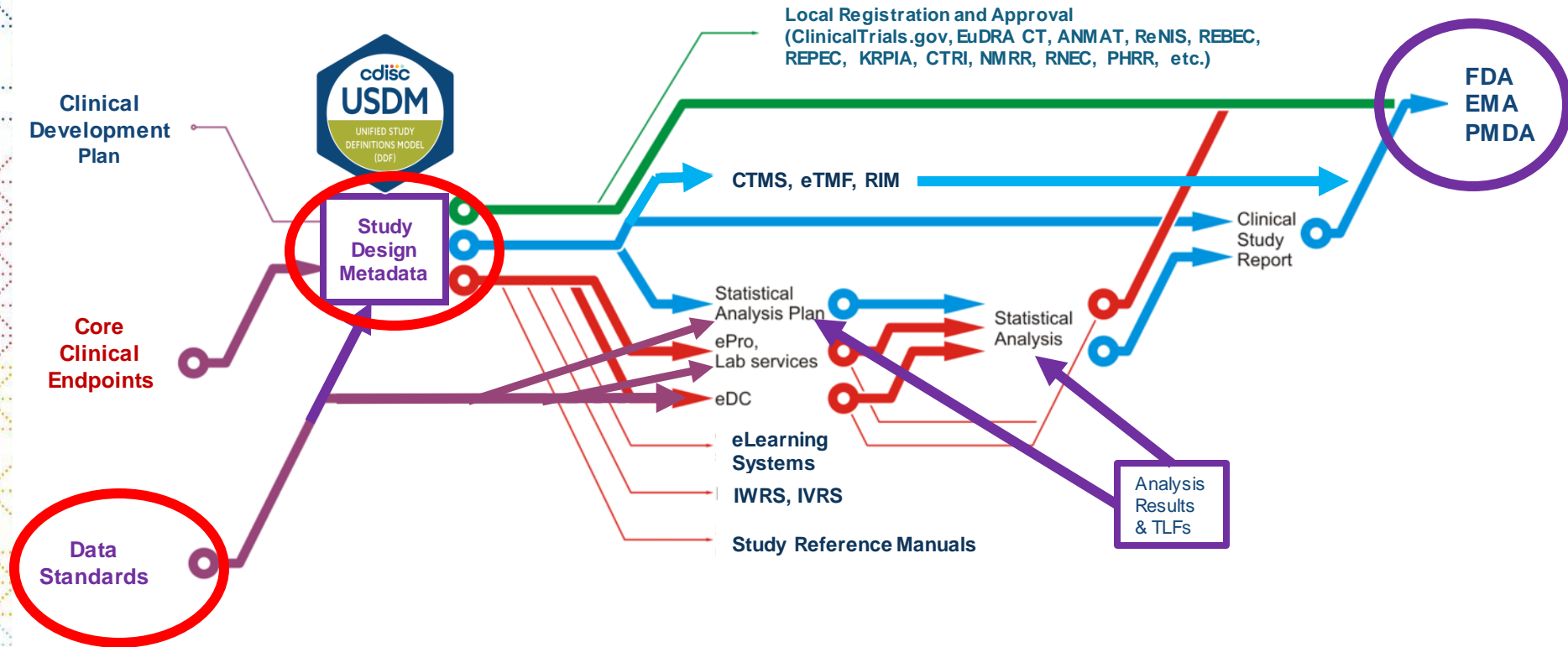
Informative Content



The Clinical Trial Information Flow



The Clinical Trial Information Flow

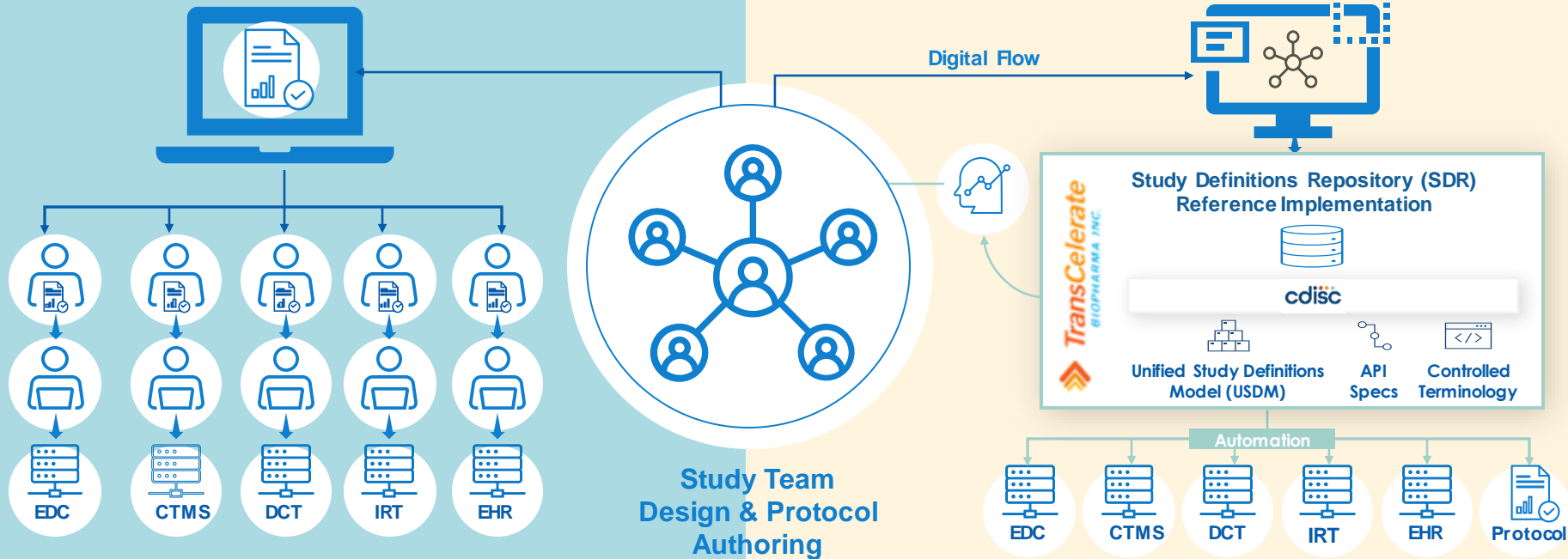


Digital Data Flow (DDF) Initiative

Write Once, Read Many

TODAY: Document-based paradigm for protocol creation, interpretation, and transcription into consuming systems

TOMORROW: Digital paradigm for protocol creation, with fully automated data flow and interoperability between systems

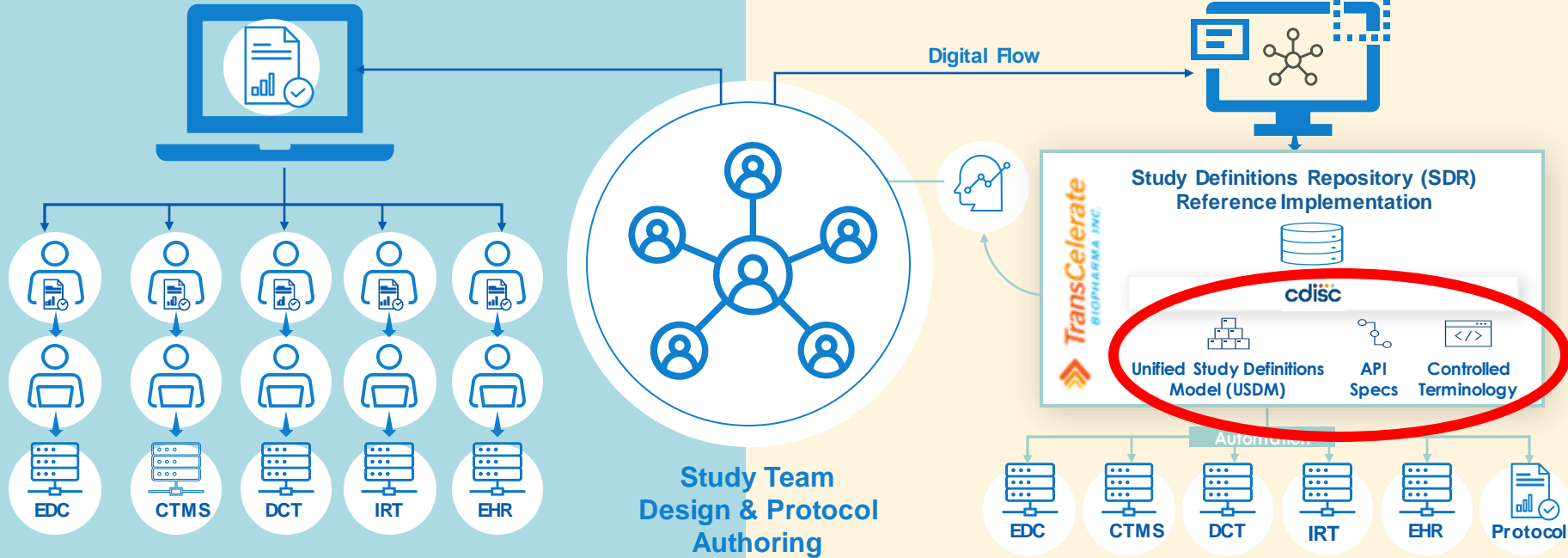


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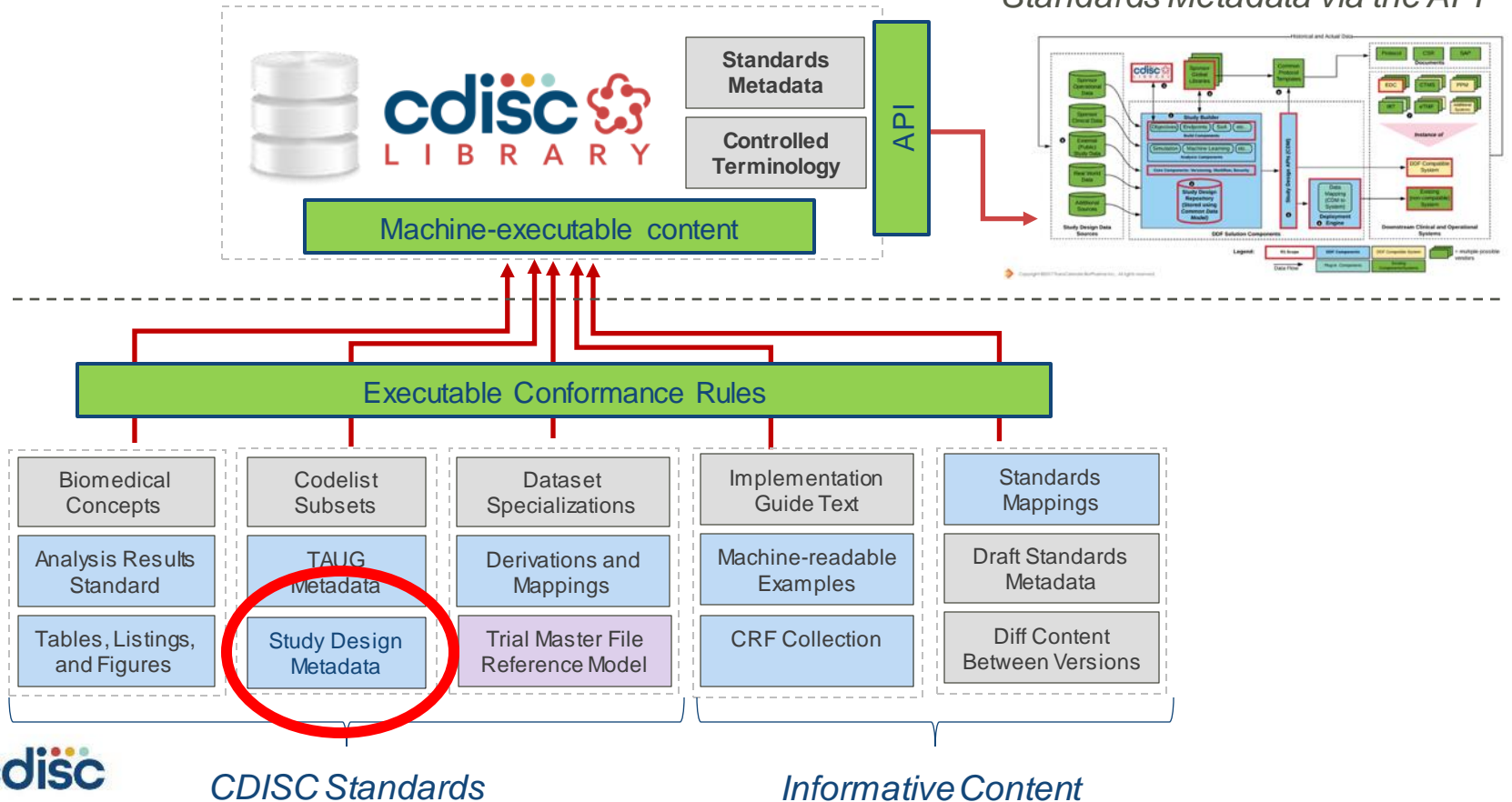
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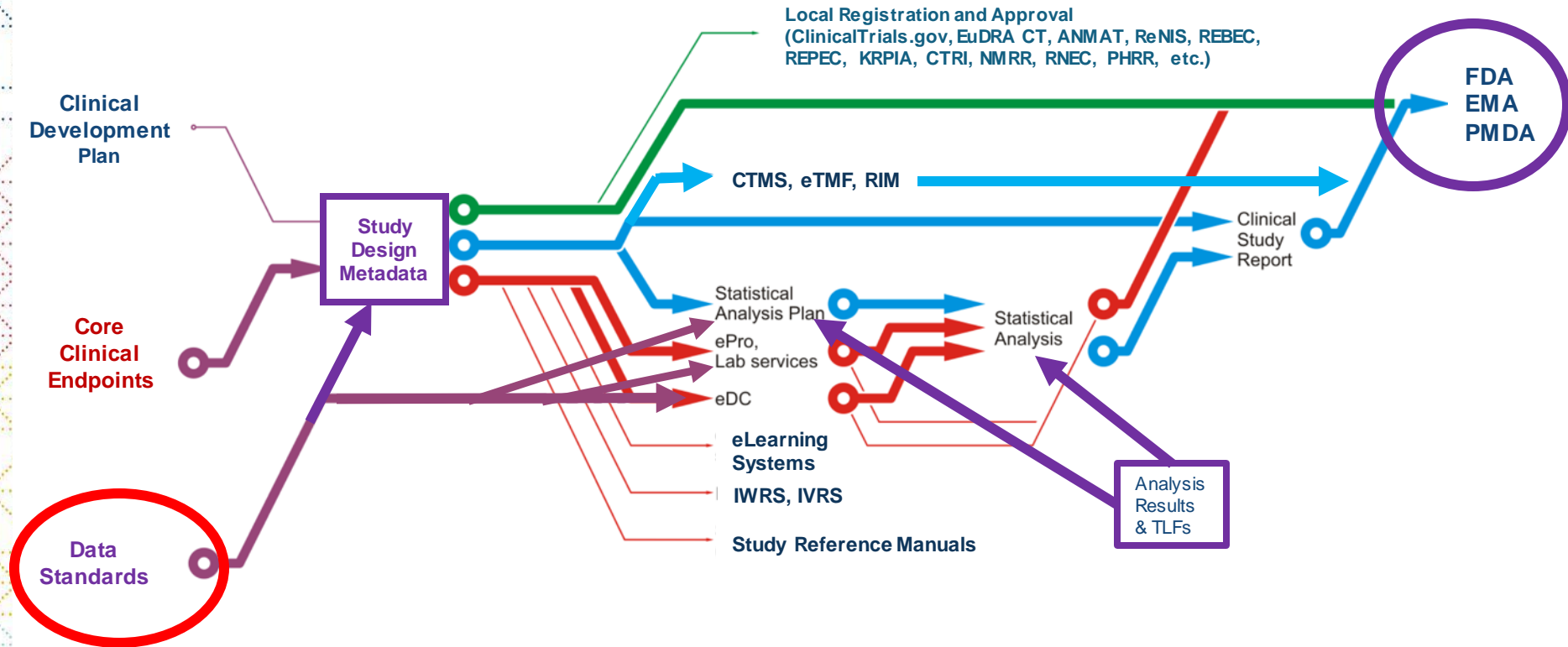


CDISC Library Provides the Foundation

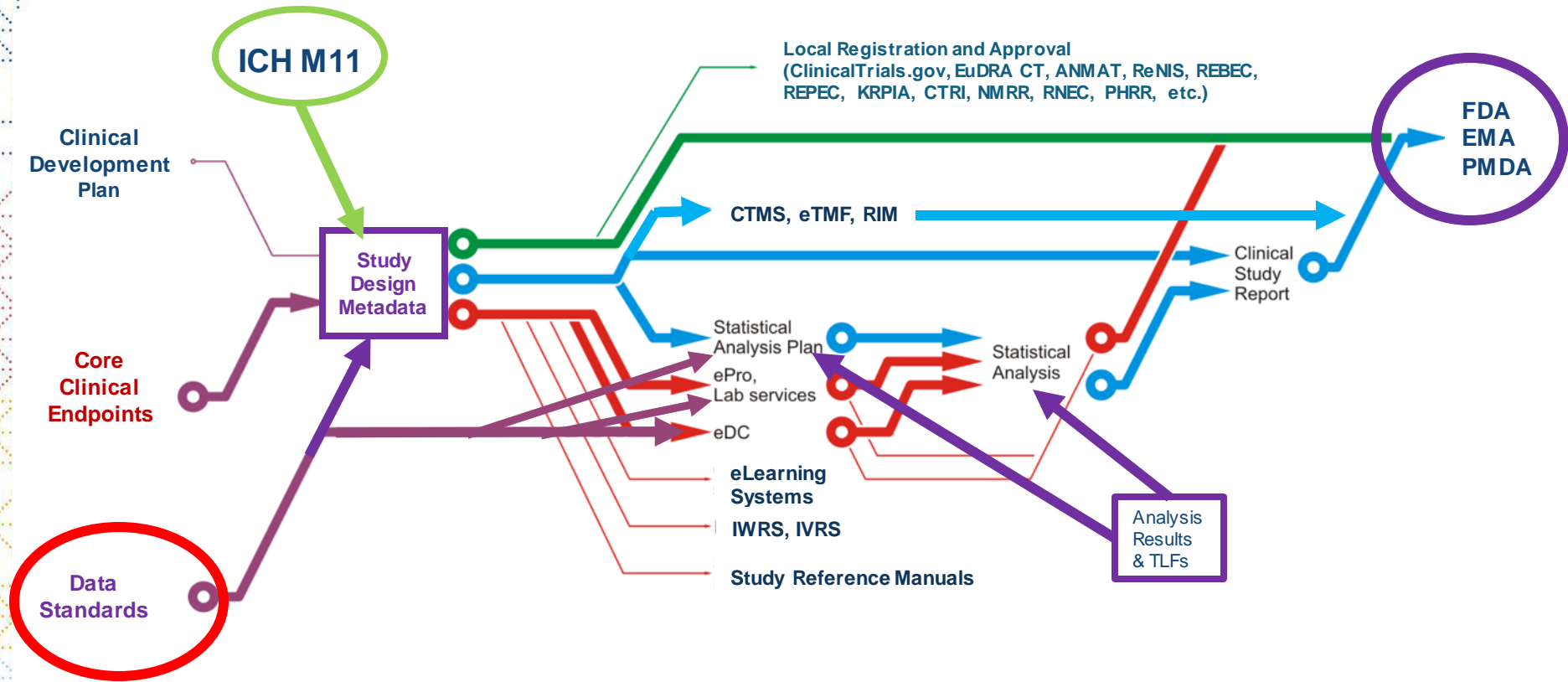
Software Applications Consume Standards Metadata via the API



The Clinical Trial Information Flow



The Clinical Trial Information Flow



ICH M11: Clinical Electronic Structured Harmonised Protocol Components

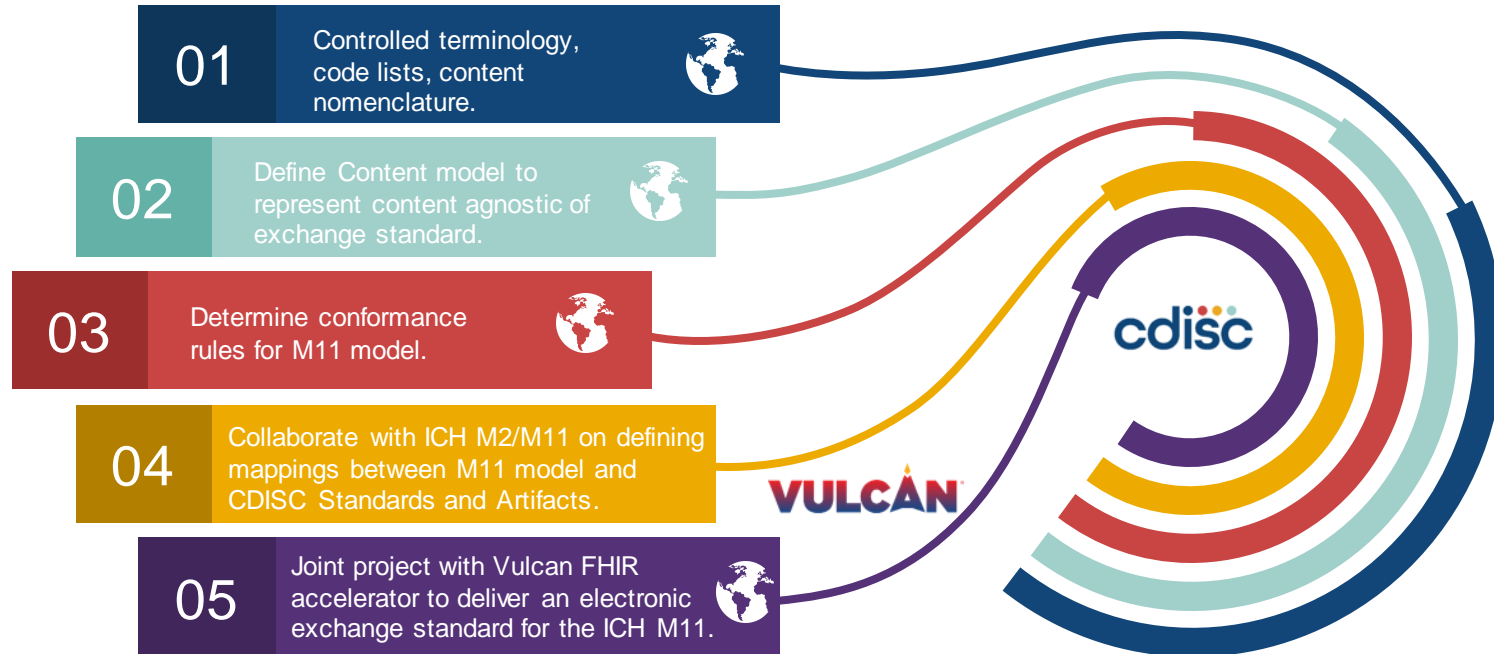
The **Technical Specification** presents the conformance, cardinality, and other technical attributes that enable the interoperable electronic exchange of protocol content



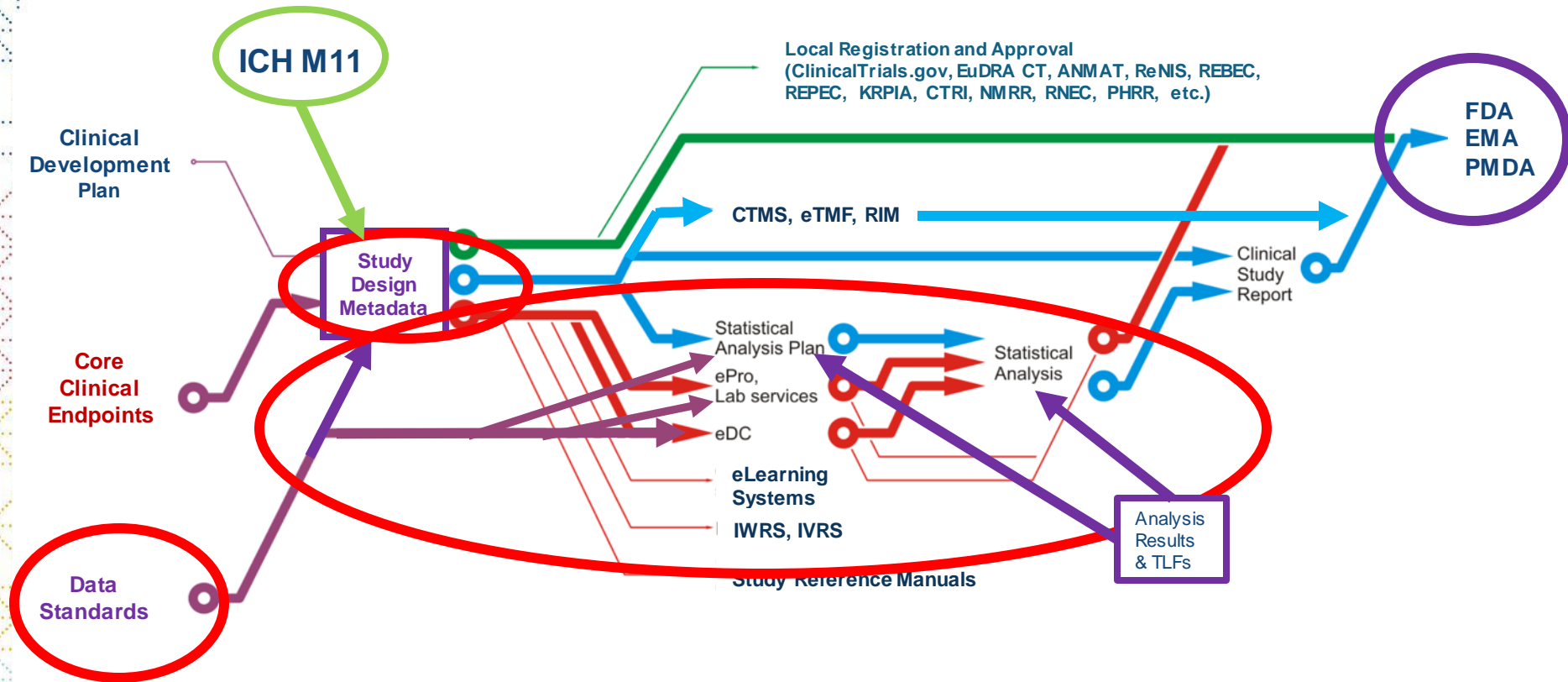
The **Template** presents the format and structure of the protocol, including the table of contents, common headers, and contents



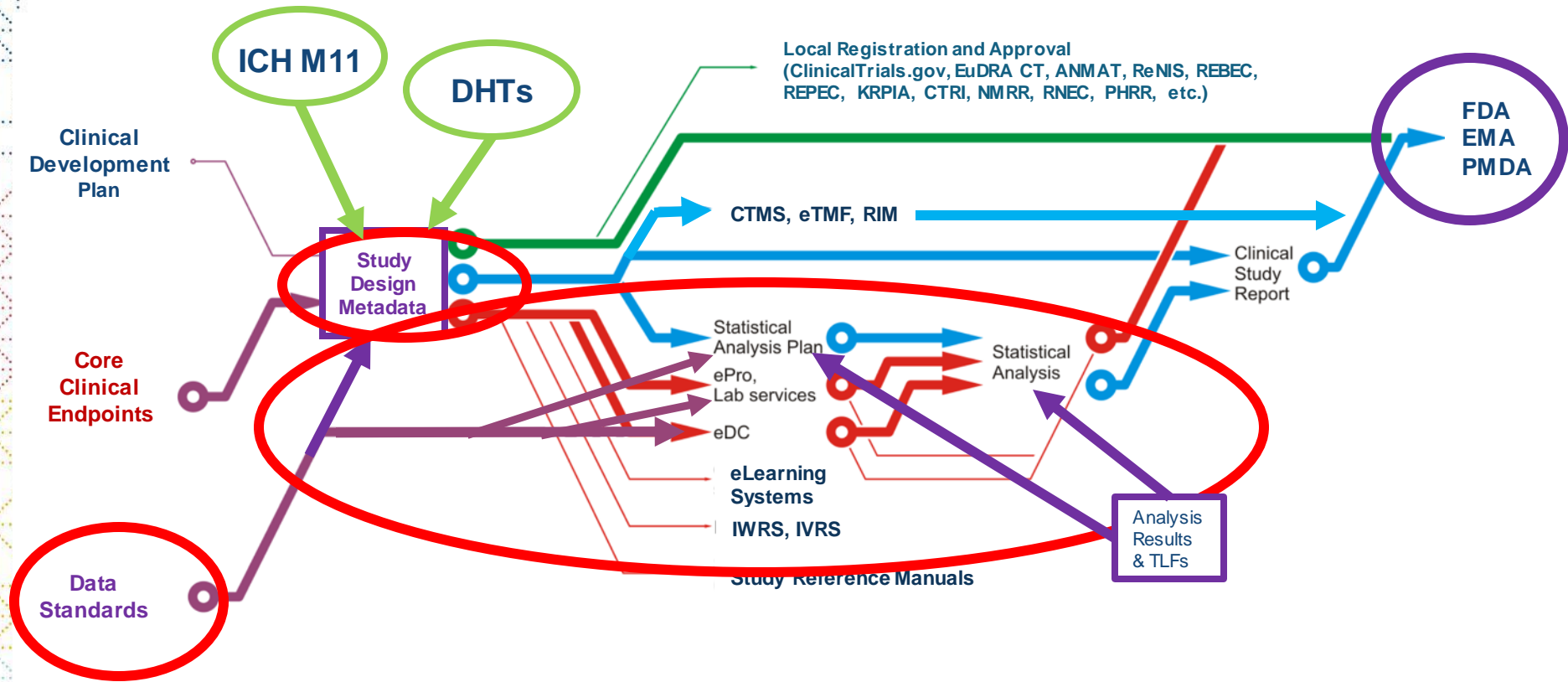
CDISC M2/M11 potential engagement



The Clinical Trial Information Flow



The Clinical Trial Information Flow



Increased Regulatory Focus on Digital Health Technologies

FDA | CDER | Small Business and Industry Assistance

INDUSTRY NEWS

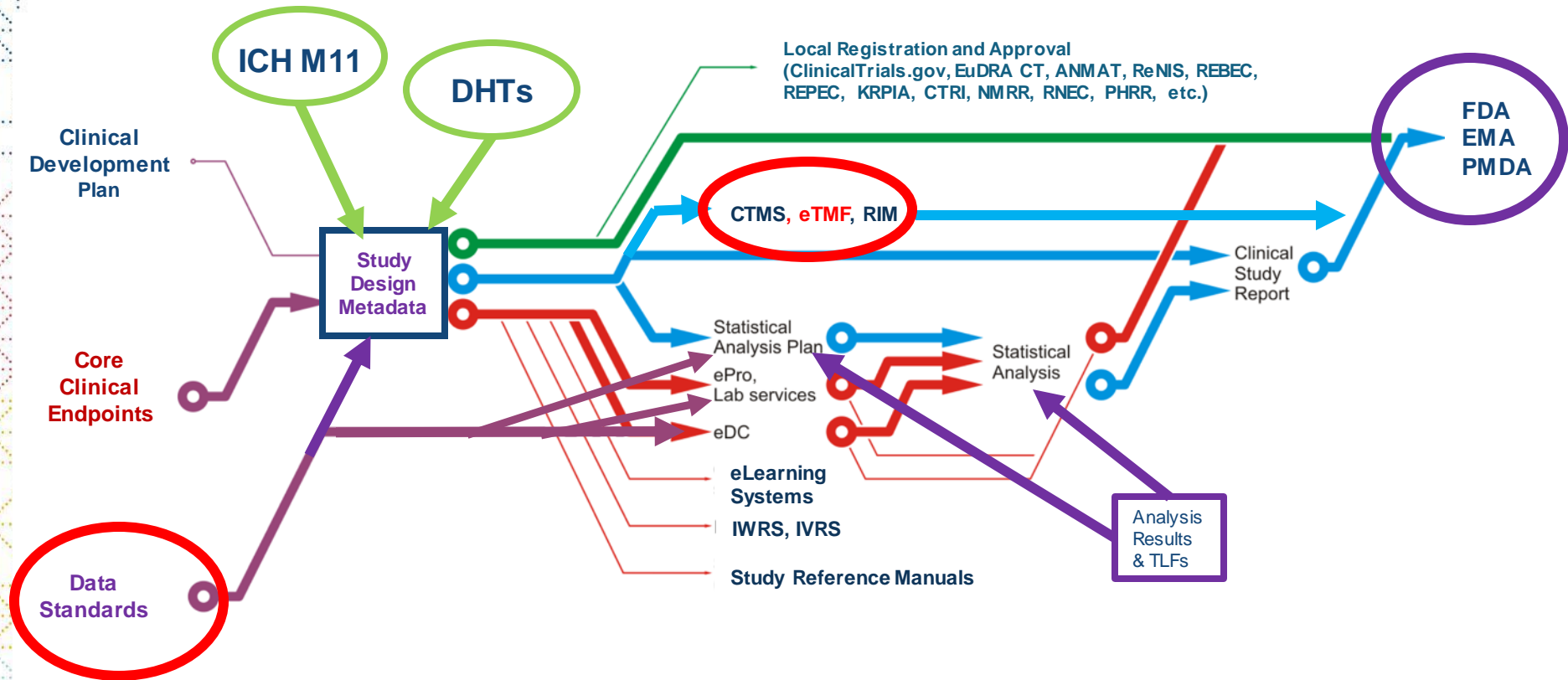
FDA to Host Digital Health Technologies for Drugs Public Workshop

The U.S. Food and Drug Administration is hosting the virtual public workshop “Understanding Priorities for the Development of Digital Health Technologies to Support Clinical Trials for Drug Development and Review” on March 28th and 29th, 2023. The workshop will focus on understanding the priorities and challenges of developing Digital Health Technologies (DHTs) to support clinical drug trials.

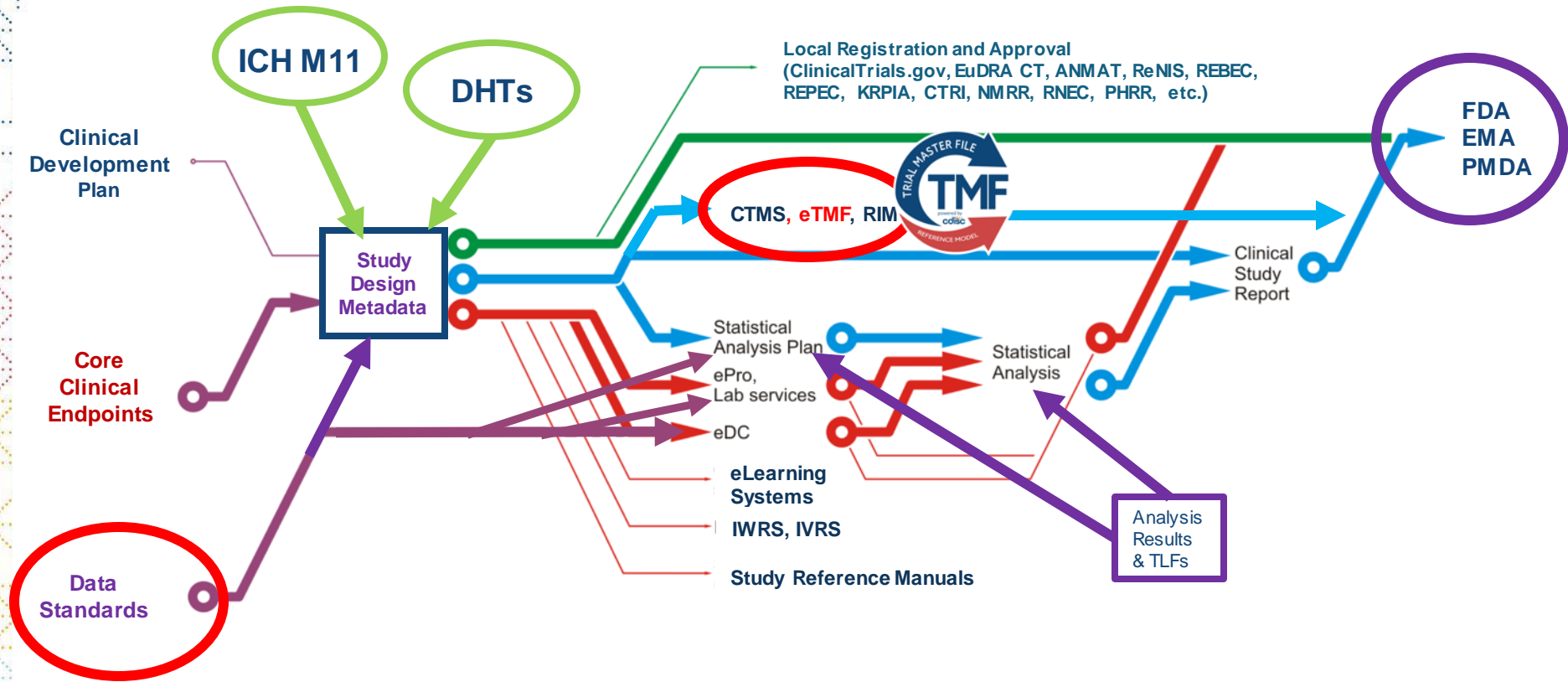
The workshop will be convened by the Robert J. Margolis, MD, Center for Health Policy at Duke University under a cooperative agreement with FDA.

For more information on the Digital Health Technologies virtual public workshop and to register, please visit [FDA's Meeting's, Conferences & Workshops \(Drugs\)](#).

The Clinical Trial Information Flow



The Clinical Trial Information Flow



What is a Trial Master File?



The sponsor and the investigator shall keep a clinical **trial master file**. The clinical trial master file shall at all times contain the **essential documents** relating to that clinical trial which allow verification of the conduct of a clinical trial and the quality of the data generated [...]. It shall be readily available, and directly accessible upon request, to the Member States. [EU Regulation 536/2014]

“The minimum list of essential documents that has been developed.....” [ICH GCP Section 8.2 – 8.4]

Essential Documents examples:

- CV
- 1572
- Protocol
- IRB approval
- IRB approved Informed Consent
- IRB correspondence
- Lab normal ranges
- Investigational Product tracking
- Etc.

Regulatory Submission

Common Technical Document (CTD)

Trial Master File (TMF)

Investigator Site Files (ISF)

Purpose of the TMF Reference Model

Standard Contents

- Industry opinion on what is kept in a TMF

Standard Structure

- To support paper and electronic systems

Standard Naming

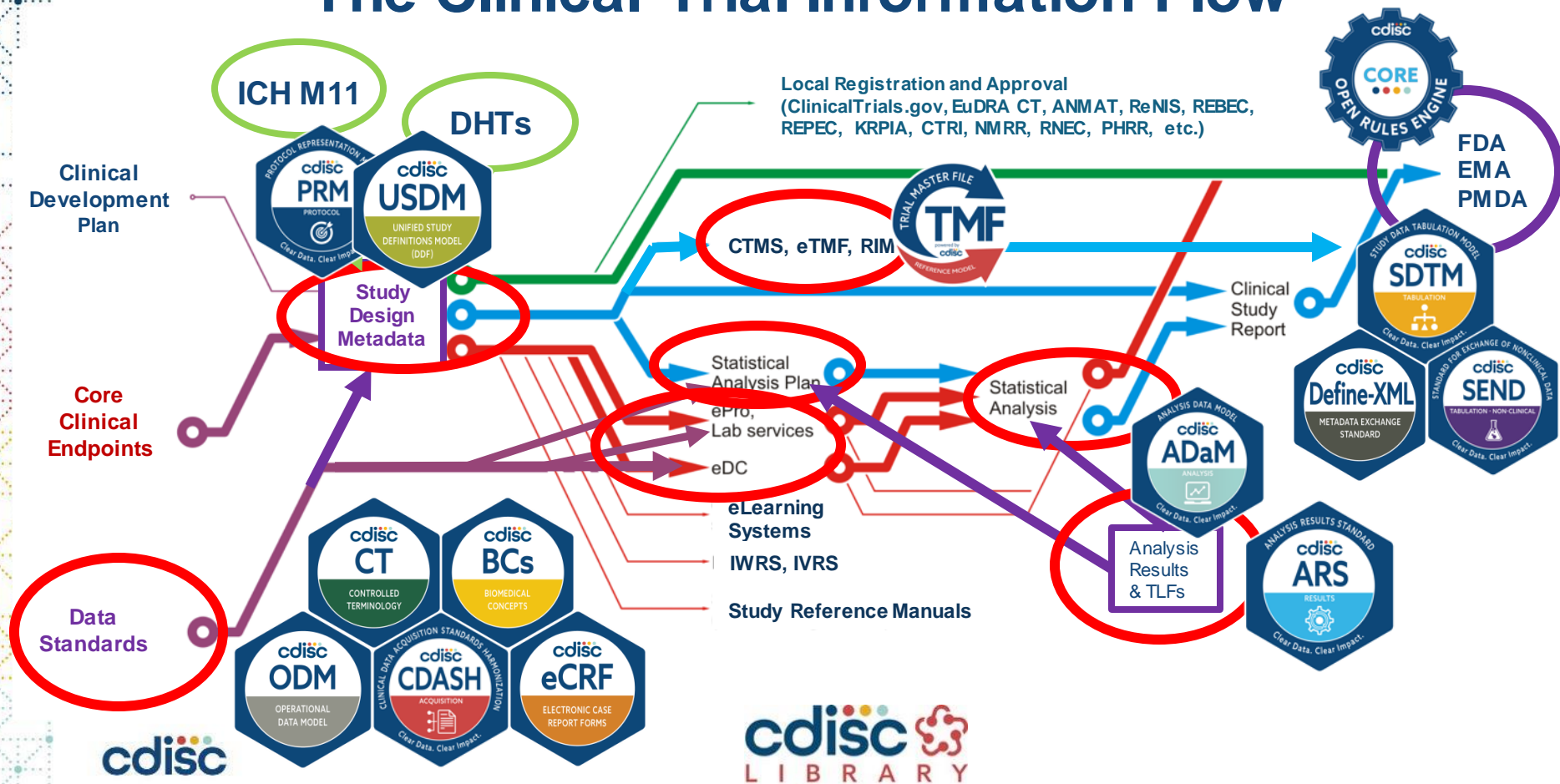
- Based on ICH E6 R2 Sect. 8 & industry-accepted terminology

Standard Metadata

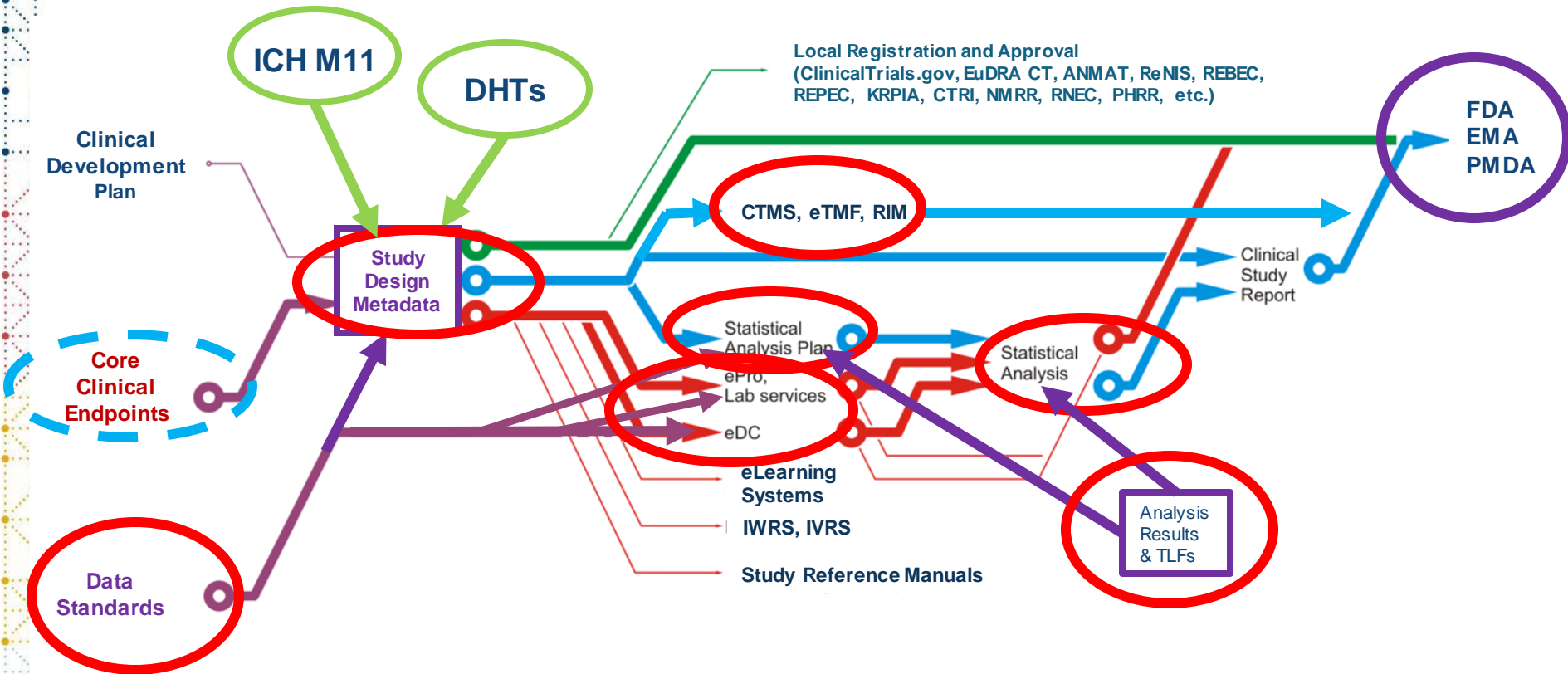
- Recommended minimum metadata at system and artifact level



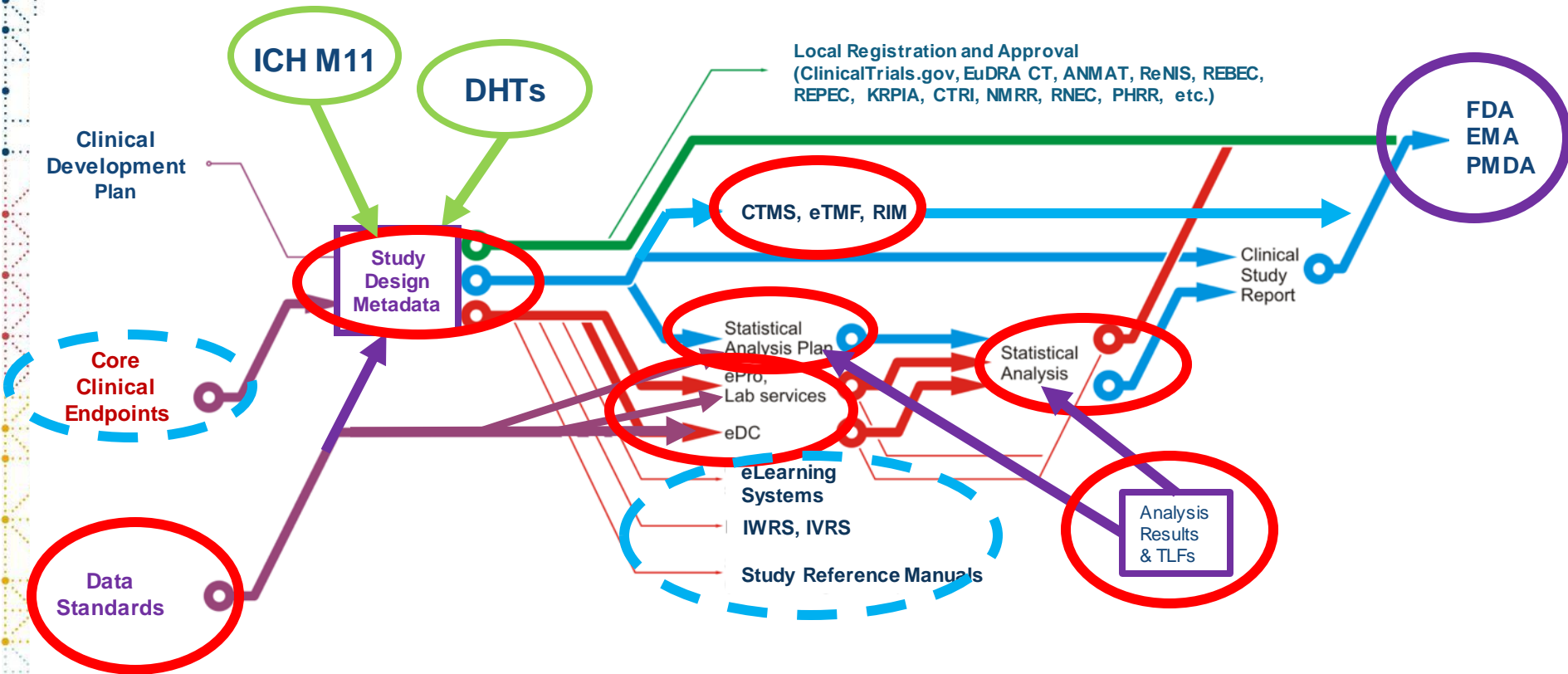
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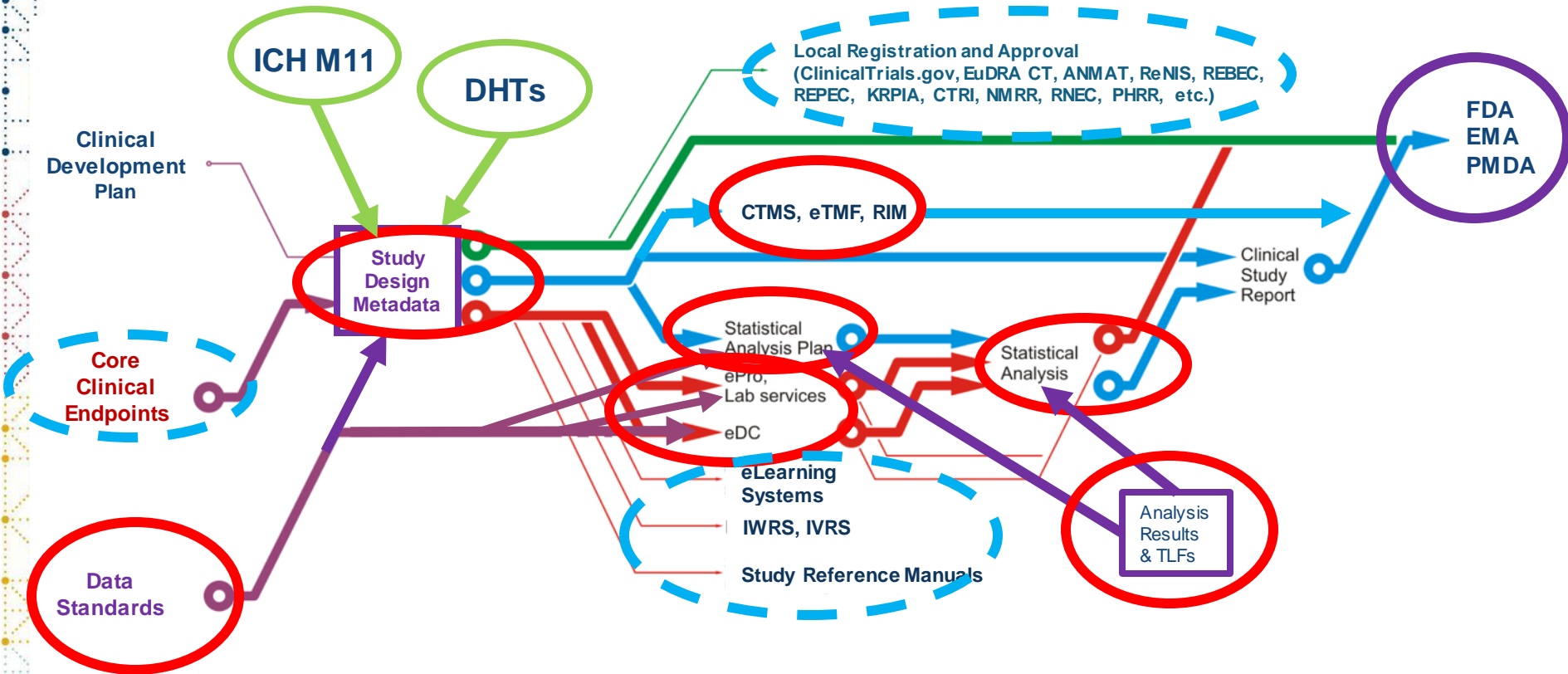
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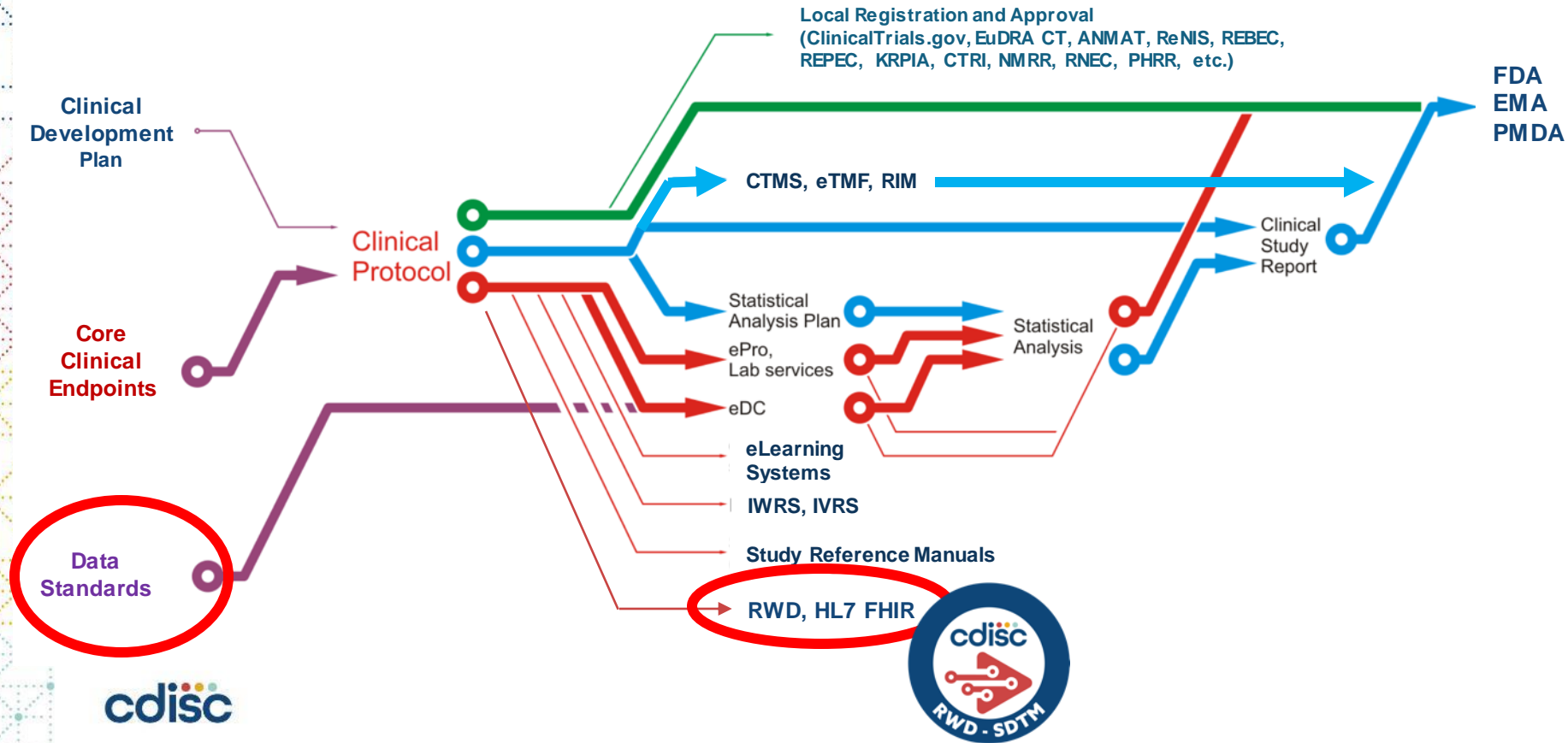
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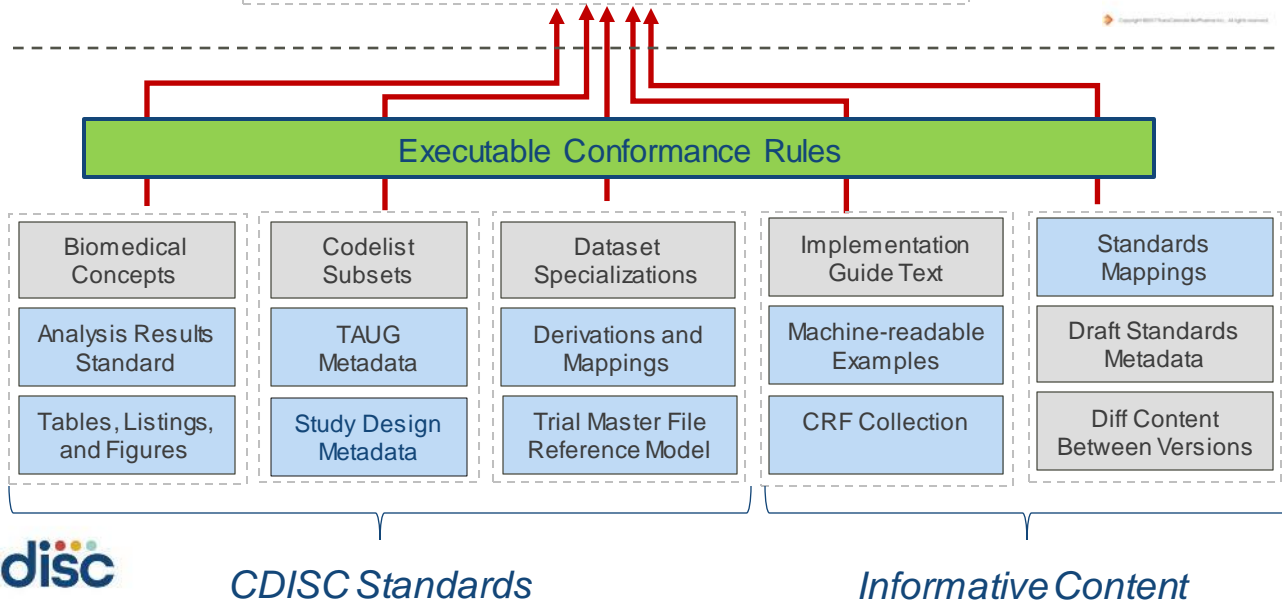
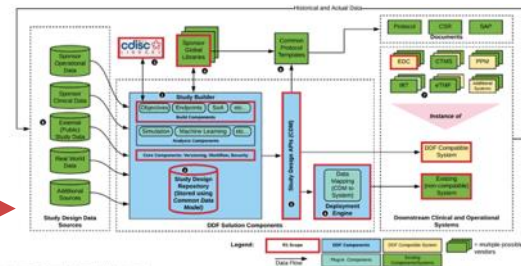


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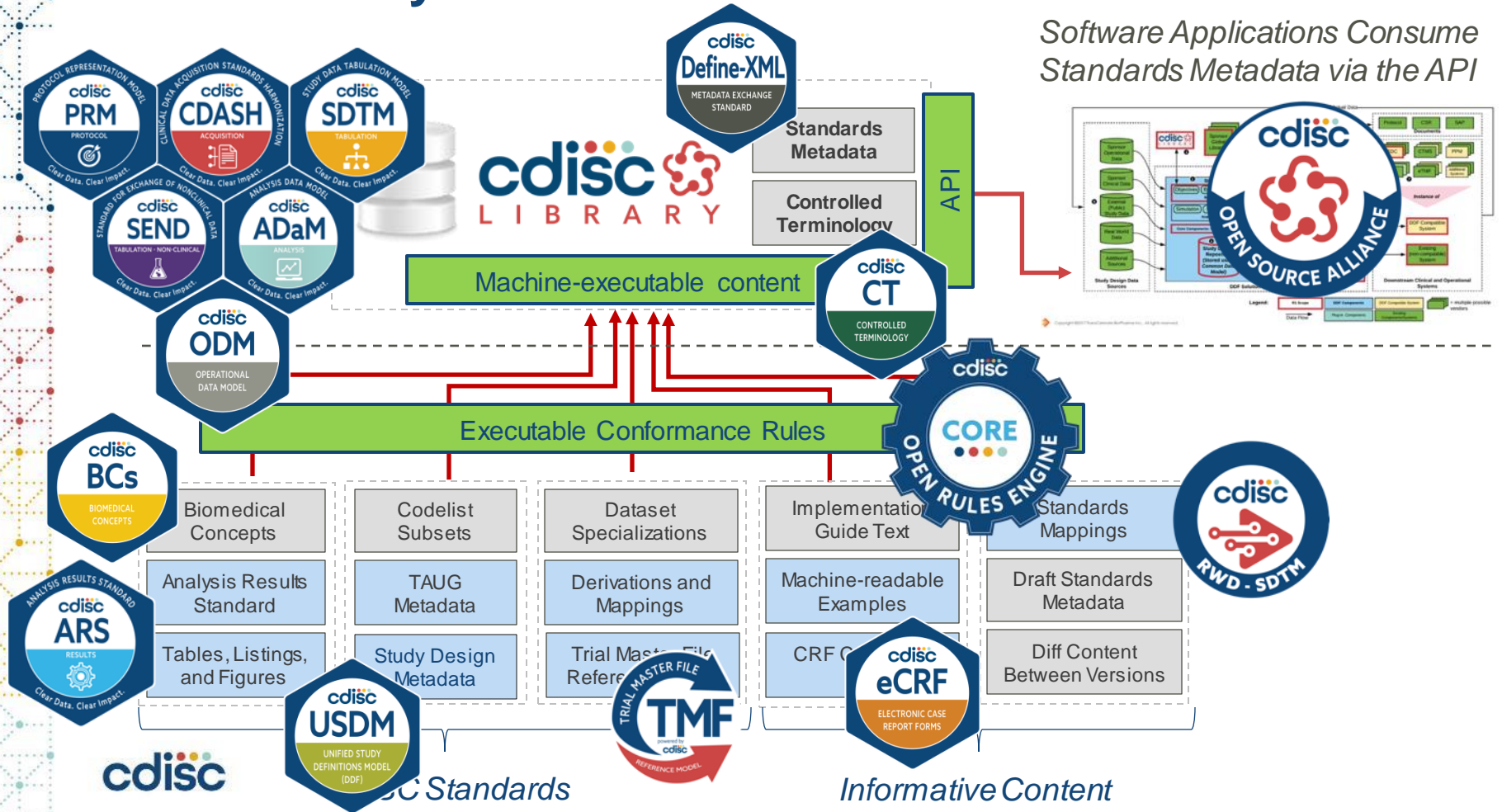
CDISC Library Provides the Foundation

Software Applications Consume Standards Metadata via the API



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Benefits for the Clinical Research Community

- Expansion of scope of clinical information standards to protocol, trial design, trial administration, clinical operations, regulatory documentation.
- CDISC serves as the hub for cross-industry standards initiatives with TMF RM, M11, DDF being part of that direction.
- Strategically, there is a natural progression to the development and governance of standards, so why reinvent the wheel when so much work has already been done. CDISC will collaborate with industry initiatives to support interoperability.
- Evolution organizationally to embrace governance of clinical research information standards, not just the clinical data from where it originated.
- *Broadening the harmonization of clinical research information standardization.*



Thank You CDISC Community!

Dave Evans – President & CEO, CDISC
devans@cdisc.org

