Session 3C: AI Innovation

AI Driven Protocol Import in Faro: Building a USDM-Centric Repository of Study Definitions

Presented by: Sanchit Thakrar

Meet the Speaker

Sanchit Thakrar

Title: Clinical Data Lead

Organization: Faro

Sanchit leads clinical data product and standardization initiatives at Faro, focusing on transforming clinical study protocols into structured, reusable data aligned with CDISC standards. He collaborates with sponsors and industry partners to operationalize USDM and drive automation in protocol digitization, metadata governance, and clinical data interoperability.

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- *The views and opinions expressed in this presentation are those of the author(s) and do not necessarily reflect the official policy or position of CDISC.*

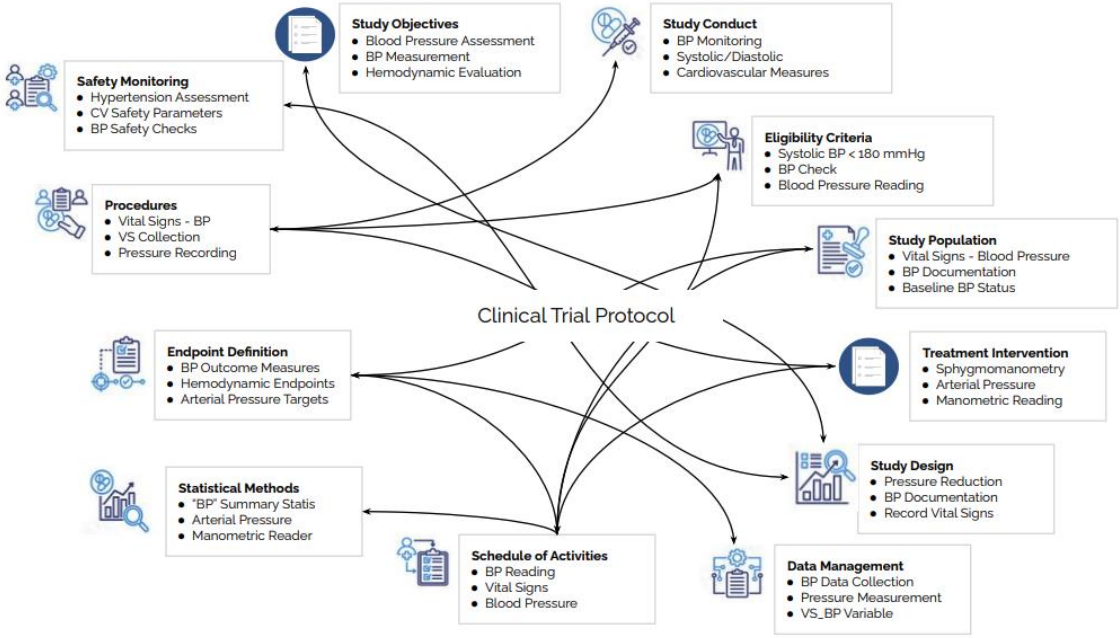
- *The author has no real or apparent conflicts of interest to report.*

Agenda

1. Reality of Study Design Today
2. The Solution: From Unstructured to Structured
3. How it Works: LLM Driven Protocol Import
4. USDM
5. Live Demo

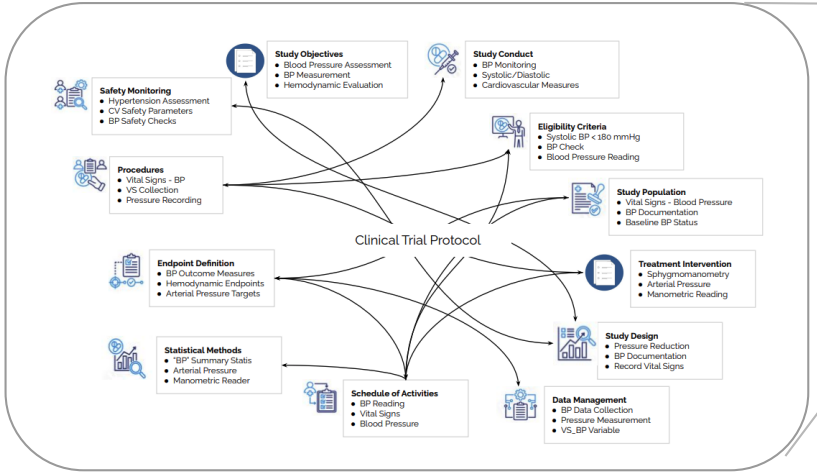
Reality of Study Design Today

- Study design is still a largely manual process conducted in Word, resulting in inconsistent terminology, fragmented decisions, and no unified source of truth across studies.
- Teams often rely on outdated spreadsheets or static PDFs to reference past studies.



Faro's Solution: From Unstructured to Structured

➢ **Faro's Solution centers on transforming protocol text into structured data that drives automation, traceability, and optimization.**

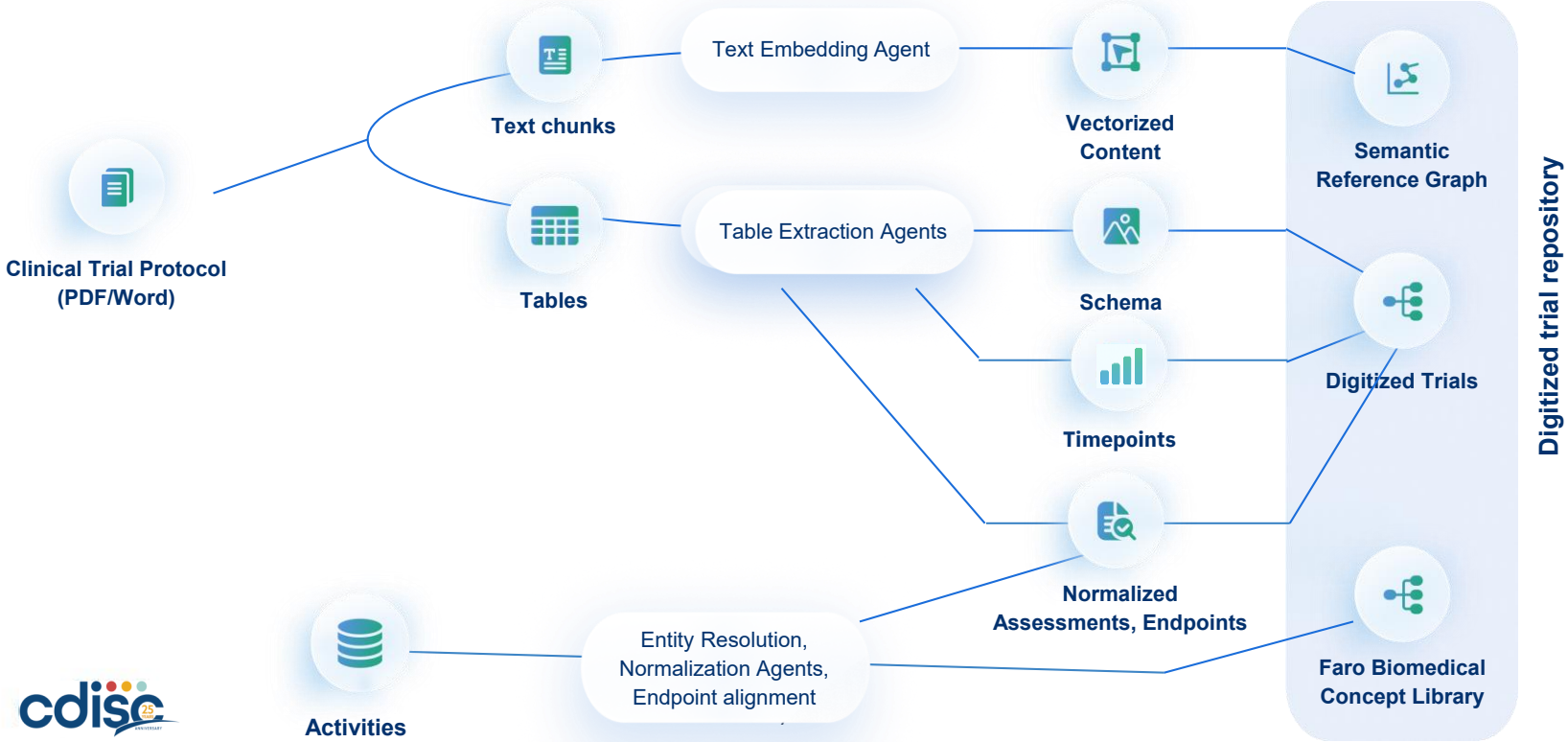


Up to 50% of a clinical protocol is manually and incorrectly transcribed at some point into a downstream system or process[1]

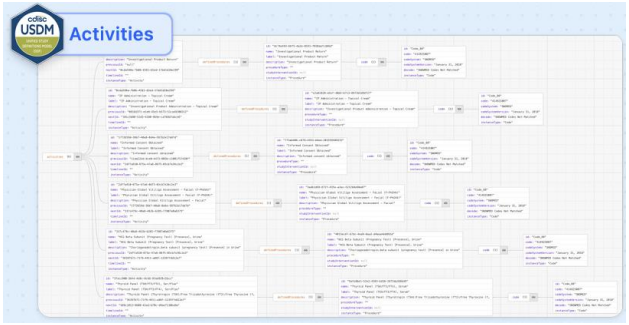
Source: (1) DIA 2025 Chris Decker

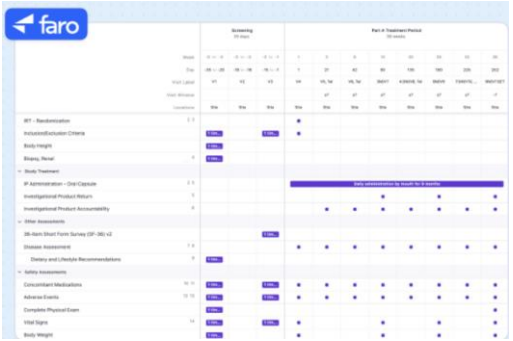
How it Works: LLM Driven Protocol Import

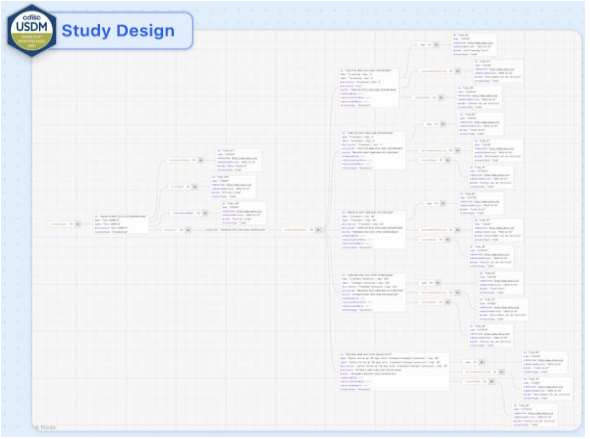
Faro's LLM intelligence pairs with clinical domain logic to extract, interpret, and structure complex protocol content into standards aligned study definitions.

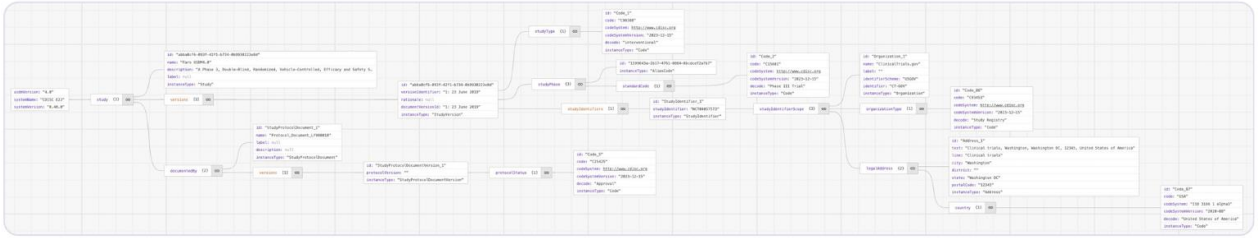


USDM



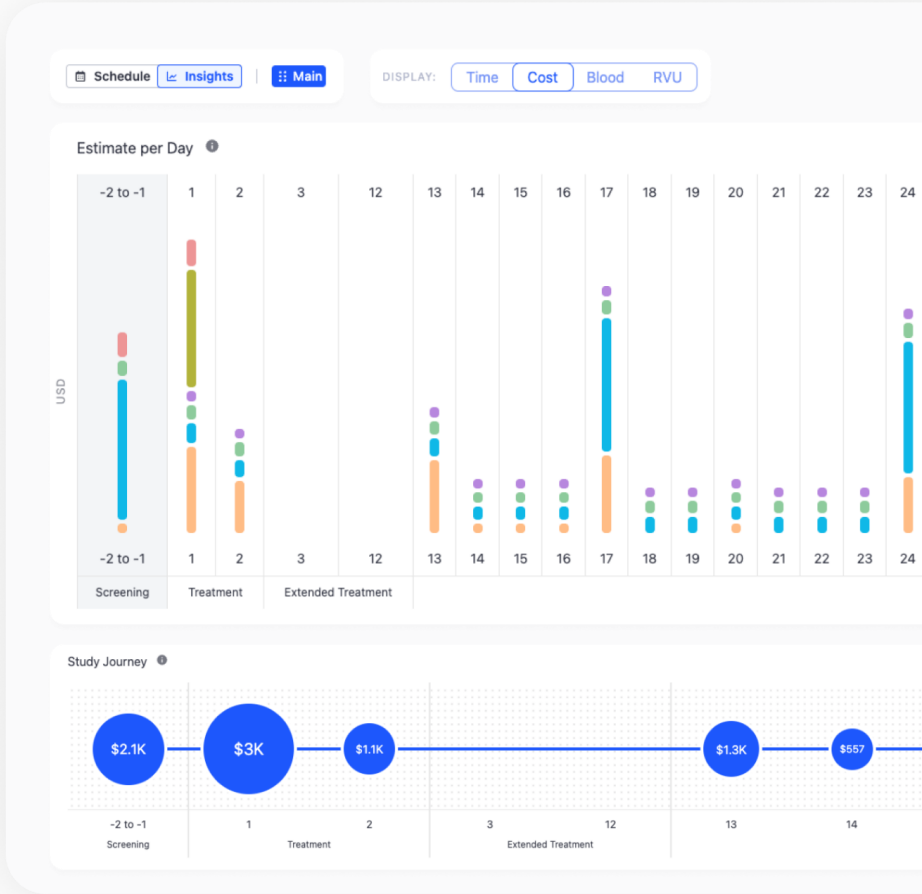






Once imported, protocol data is structured in a USDM-compliant format, supporting alignment and interoperability with downstream clinical and regulatory systems.

Live Demo


Schedule
Insights
Main
DISPLAY:
Time
Cost
Blood
RVU
Estimate per Day
USD
-2 to -1
1
2
3
12
13
14
15
16
17
18
19
20
21
22
23
24
Screening
Treatment
Extended Treatment
Study Journey
$2.1K
$3K
$1.1K
$1.3K
$557

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