

SD07:

Turning Trial Data into Patient-Centric Insights

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Disclaimer

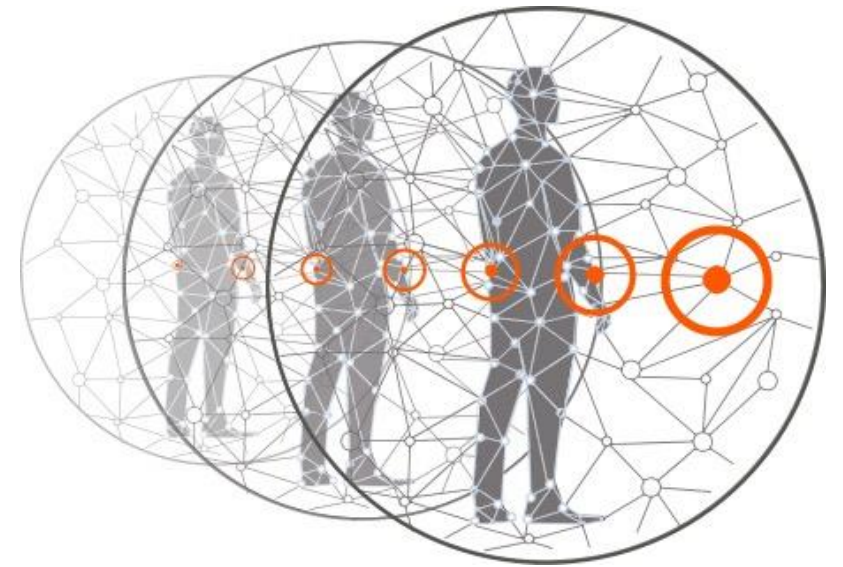
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Introduction

Understanding clinical trial data through the lens of patient experience.

The value of clear, connected visualization to better interpret patient information.

An introduction to a patient-centric approach for exploring clinical trial data.



WHAT ?



What Is Being **Reviewed** ?

THE TRIAL CONTEXT

Information is often assessed by domain or output.

WHAT THIS MEANS

Understanding patients requires viewing related data together, not as isolated elements.

THE PATIENT CONTEXT

Clinical trial data reflects multiple aspects of patient's experience across time.

HOW ?



How Is **Patient-Centric** Exploration Enabled?

CONCEPT-DRIVEN NAVIGATION

- Exploration is organized around clinical concepts, allowing users to move naturally from overview patterns to patient-level detail.

ONTOLOGY-BASED CONSISTENCY

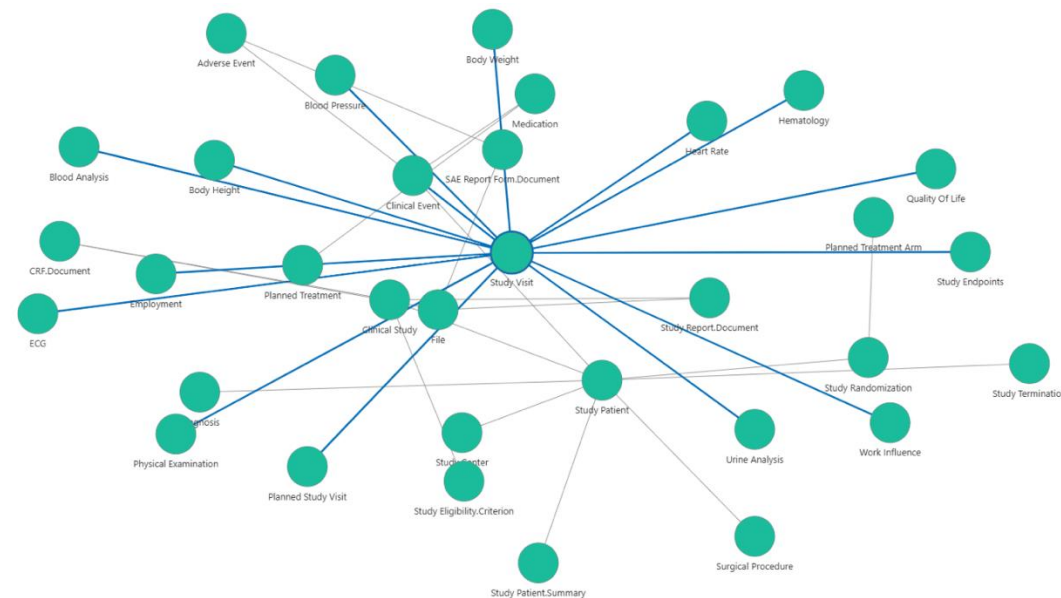
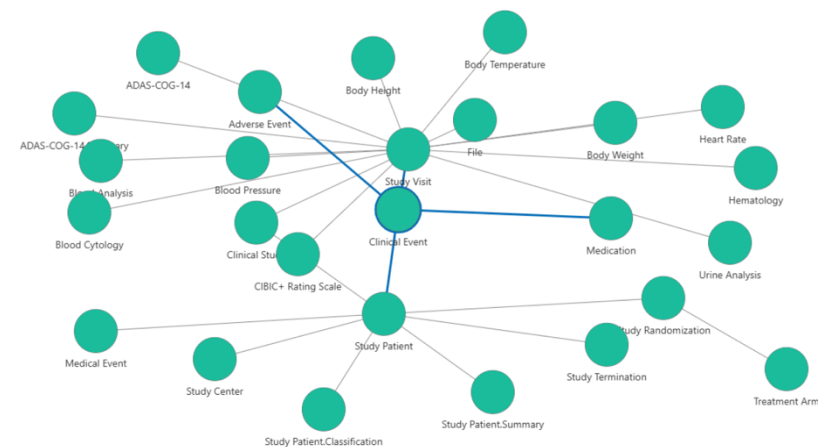
- A shared clinical vocabulary ensures consistent interpretation across domains, studies, and teams.

STRUCTURED CLINICAL CONTEXT

- Data is structured around patients, timelines, and clinical context rather than static report formats.

DEFINED RELATIONSHIPS

- Connections across studies, patients, events, and outcomes are defined and support meaningful exploration.



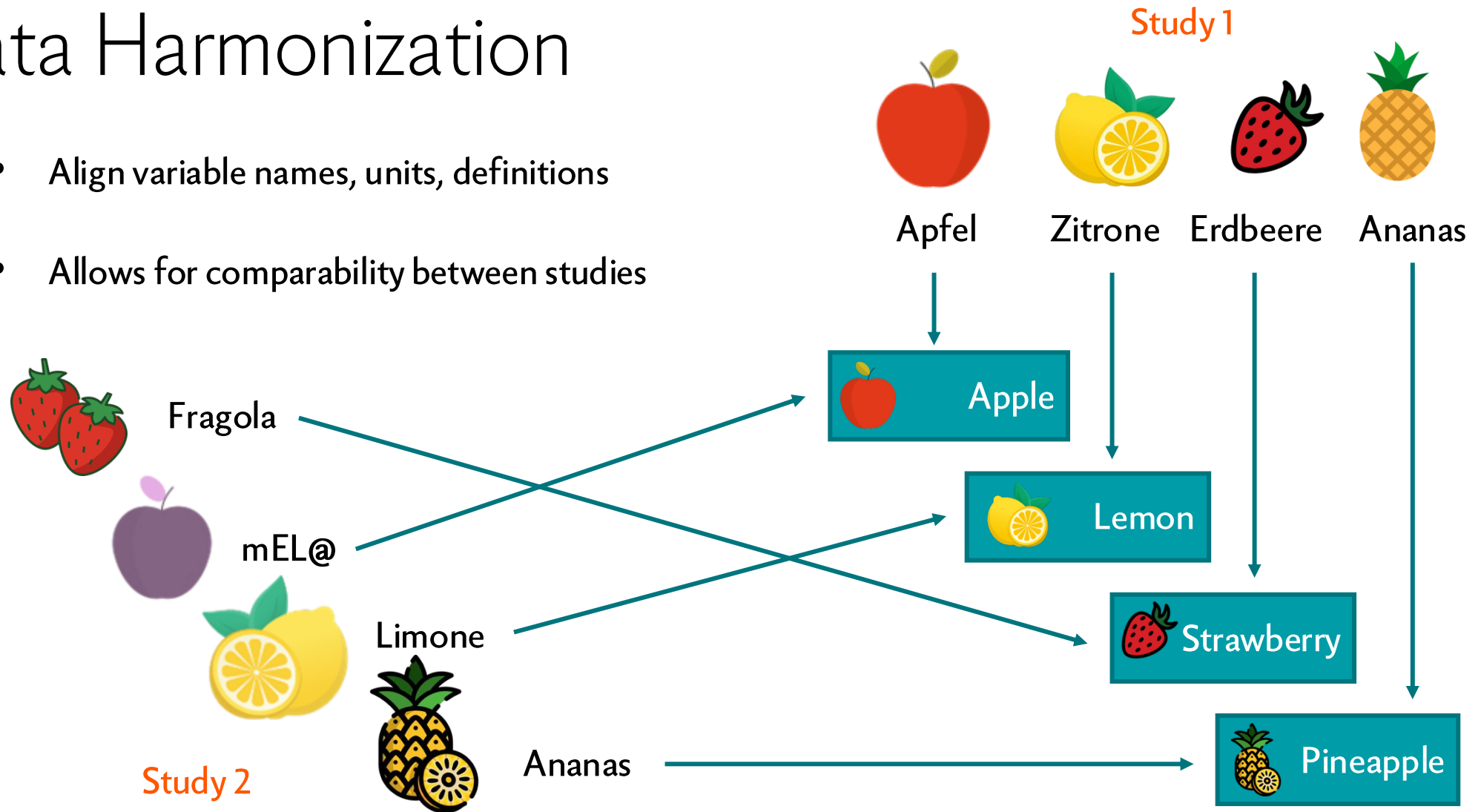
Ontology

Definition: A set of concepts and categories in a subject area or domain that shows their properties and the relations between them.

PURPOSE	WHY ?	HOW ?
Ensure Consistency - Unify Data	To be able to integrate/pool data.	Act as a template for curation, e.g. names, units, value lists.
Set Structure - Data Modelling	To explore/visualize the data.	By describing the data formats. To use rules e.g. graph traversing, time exploration, plotting.
Provide Context - Append data	Improves data understanding and insights.	Utilizing metadata for explicit descriptions.

Data Harmonization

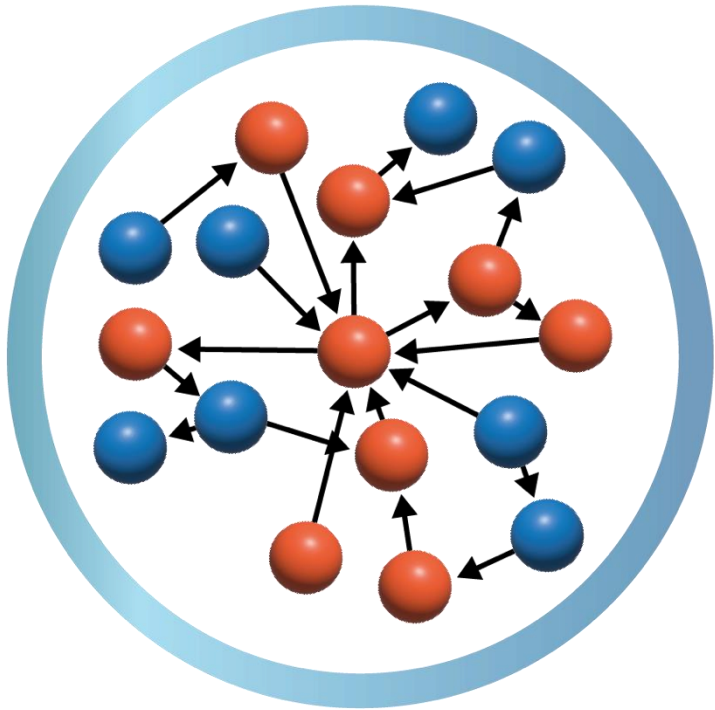
- Align variable names, units, definitions
- Allows for comparability between studies



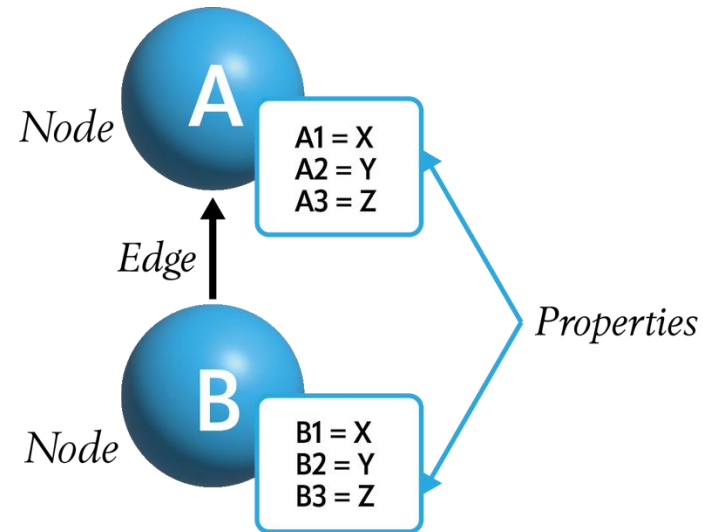
Holons

Holon	A00101@SR-004 2022-10-13 -14 70
Holon Type	Body Weight
Concept	Body Weight
Domain	Medicine.Examination
Study Patient Id	A00101@SR-004
Day, In Study	-14 d
Body Weight	70 kg
Body Weight.Baseline Value	70 kg
Planned Day, In Study	-14 d
Date	2022-10-13
Date.Capish Comment	Date taken from visit date
Body Mass Index	25 kg/m2
Body Mass Index.Baseline Value	25 kg/m2

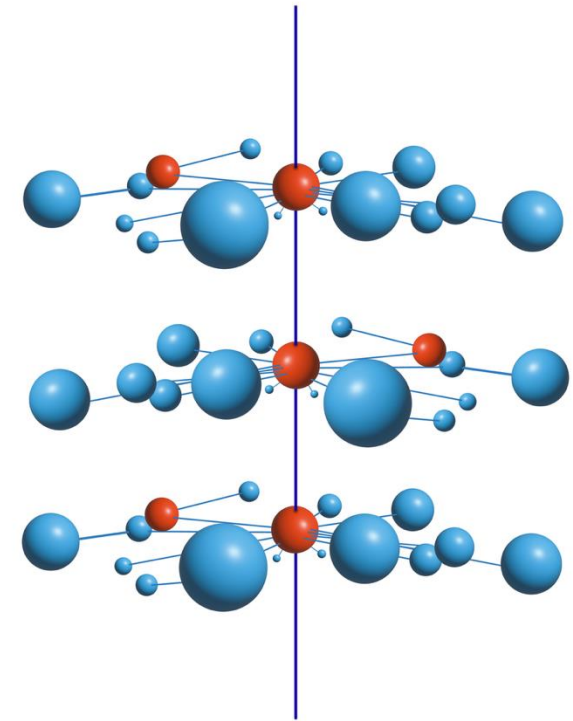
Property Graph Data



General Data Structure



Data Properties



Patient Data

WHY ?

Why This **Matters**



CLEARER UNDERSTANDING

Connected views make it easier to interpret data in context.



TEMPORAL JOURNEY

Comprehensive views make it easier to interpret patient experience.



FASTER ALIGNMENT

Teams reach shared understanding more quickly during review and discussion.

DEMO

Graph Structure

Data Overview

Identifying Patients of Interest

Available applications

Capish Reflect Phuse Demo ...

Capish Demos - Phuse Test Data Demo 1.0.0-M2. This introduction to Capish Reflect includes data from ~300 patients. The dataset is taken from the phuse-scripts repository. Last update of application: 2025-09-09 08:50:01.

Open

DEMO

Exploring a Patient of Interest
Browsing the Database
Navigate between Patients

Table - Basic Study Information

	StudyId	Phase	DataCu...	Indication	InvestP...	Contro...	Coun...	PatsEnrol (Pl...	PatsRando...
1	CDISCILOT01	PHASE II TRIAL	2015-03-31	Alzheimer's Disease (Di...	Xanomeline	PLACEBO	USA	300 (count)	254 (count)

Bar Chart - BMI Distribution

Number of Patients: 254

Random - TreatArm

- Xanomelin... (96)
- Xanomelin... (72)
- Placebo (86)

Box Plot - Age Distribution

Number of Patients: 254

Random - TreatArm

- Xanomelin... (96)
- Xanomelin... (72)
- Placebo (86)

Reflective Listbox - Termination Type

Termin - TerminType	Pat
DISCONTINUED	144
COMPLETED	110
DID NOT ENTER	52

Bar Chart - Sex Distribution

Number of Patients: 254

Pat - Sex

- Female (143)
- Male (111)

Pie Chart - Treatment Arm Distribution

Number of Patients: 254

Random - TreatArm

- Xanomelin... (96)
- Xanomelin... (72)
- Placebo (86)

Pie Chart - Efficacy Group Distribution

Number of Patients: 254

No

Yes

Bar Chart - Center Distribution

Number of Patients: 254

Random - TreatArm

- Placebo (86)
- Xanomelin... (72)
- Xanomelin... (96)

Patient Counts

Patients in Total	306
Patients in Filter	306 (100 % of Total)
Patients in Highlight	0 (0 % of Total)

Select Patients

Study - StudyId	Center - CenterId	TreatArm - TreatArm	Pat - Age	Pat - Sex	Pat(Sum) - TimeFromDiagnosis	Termin - TerminType	Pat(Sum) - BMI(BL)
01-701-1015@CDISCILOT01							
01-701-1023@CDISCILOT01							
01-701-1028@CDISCILOT01							
01-701-1033@CDISCILOT01							
01-701-1034@CDISCILOT01							
01-701-1047@CDISCILOT01							
01-701-1057@CDISCILOT01							
01-701-1097@CDISCILOT01							
01-701-1111@CDISCILOT01							
01-701-1115@CDISCILOT01							

Study Patient Id

Pat - StudyPatId	Count
01-701-1015@CDISCILOT01	1
01-701-1023@CDISCILOT01	1
01-701-1028@CDISCILOT01	1
01-701-1033@CDISCILOT01	1
01-701-1034@CDISCILOT01	1
01-701-1047@CDISCILOT01	1
01-701-1057@CDISCILOT01	1
01-701-1097@CDISCILOT01	1
01-701-1111@CDISCILOT01	1
01-701-1115@CDISCILOT01	1

Software Demonstration

Demonstration of:

- Connected exploration across domains
- Intuitive navigation from overview to detail
- Patient-centric views

Wrap UP



Thank you!

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Software for **yousers.**