

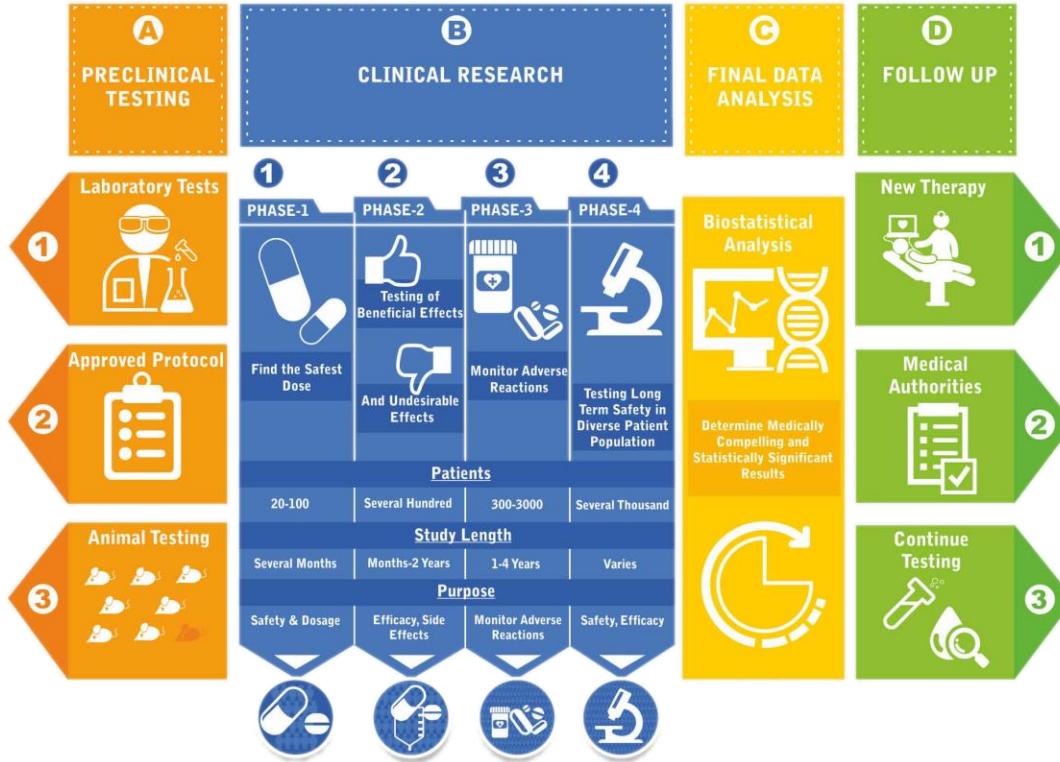
# Clinical Knowledge Graph: Pharmaceutical Collaboration With OpenStudyBuilder

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Quanticsoft – CEO



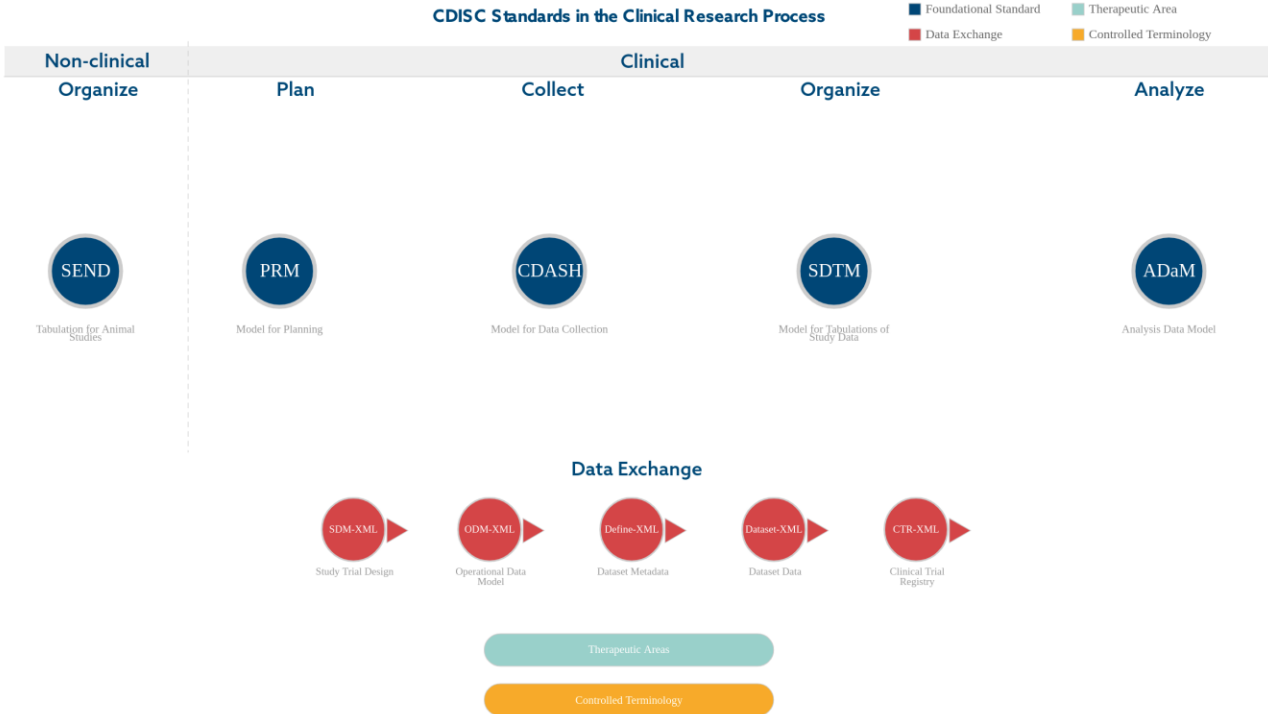
# Clinical research...?!



- We deal with the Clinical Research part

# Clinical research but with Standardisation

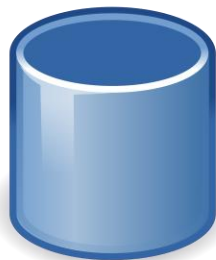
Multiple data model are driving our daily work



# And the solution is...?



- Excel...?!!
- Not any more



- Database?...
- Yes but which one

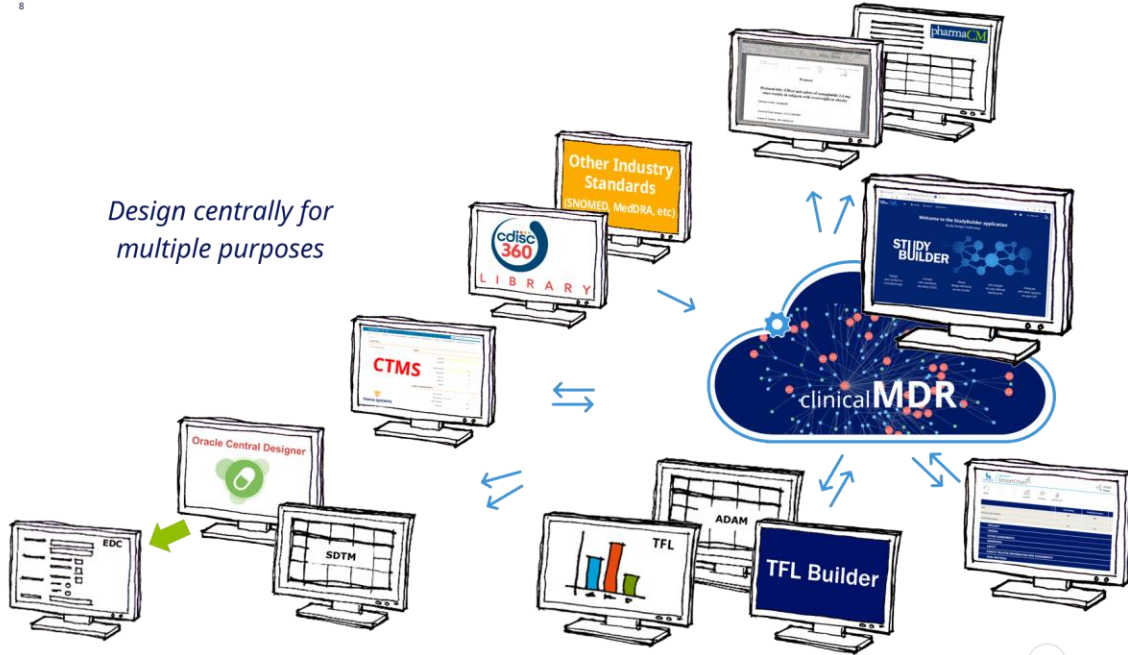


# Big idea: Get a central Library to manage them all...

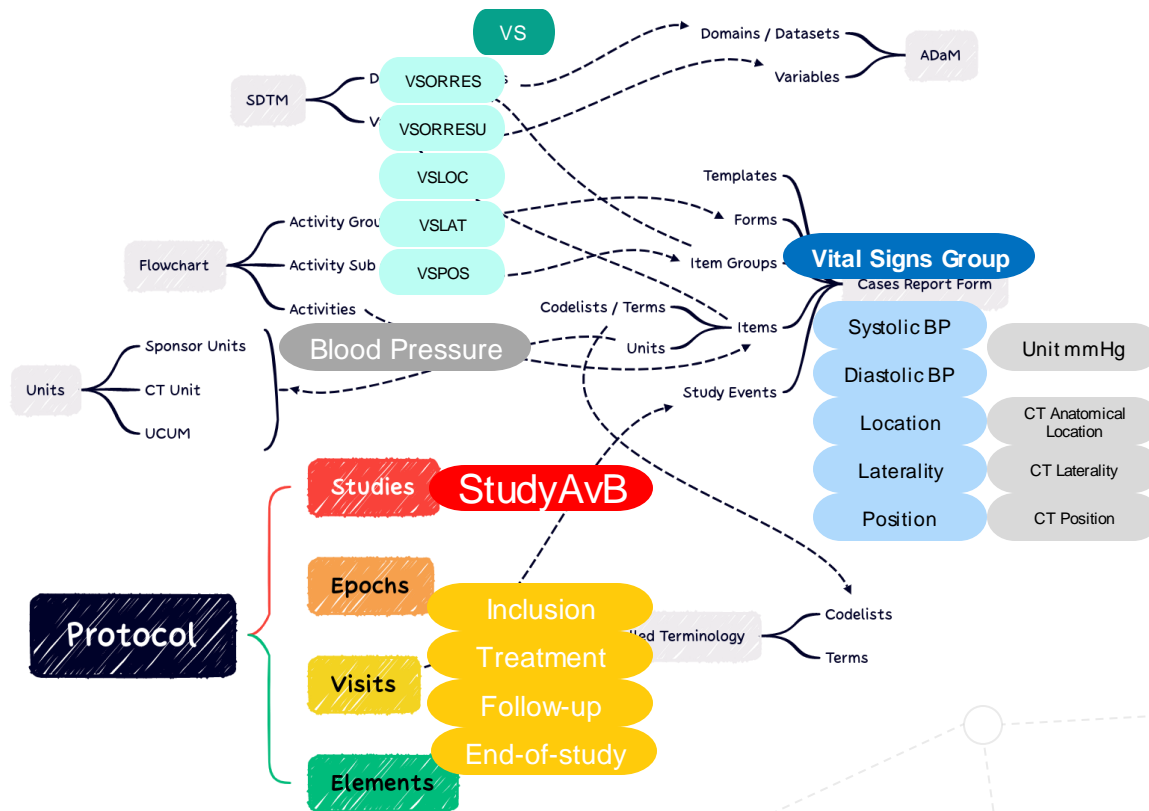


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*Design centrally for multiple purposes*

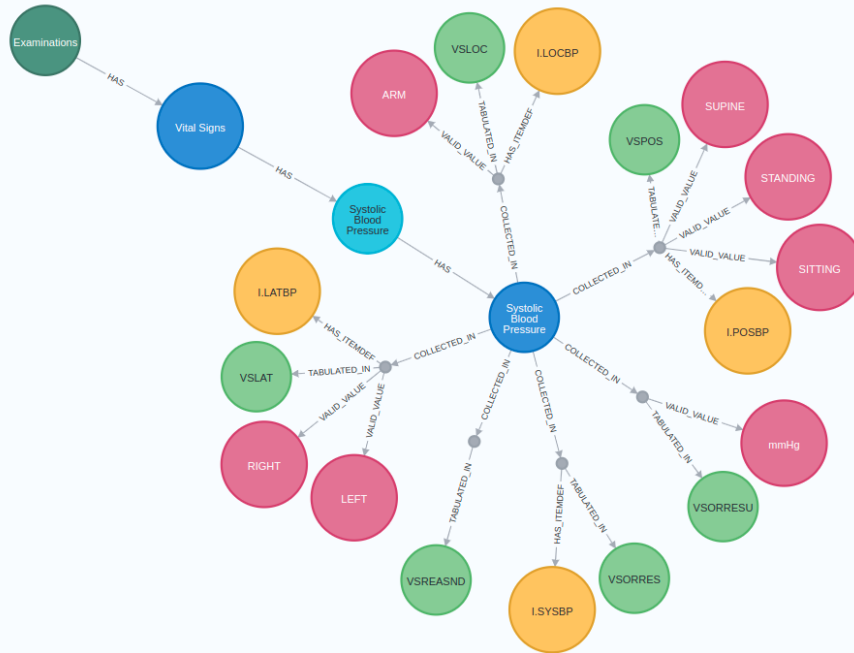


# And where is the Blood Pressure in all this?



# Let's see it in action!

(34) ActivityGroup(1) Concept(4) ActivitySubGroup(1) Activity(1) Assessment(1) AssessmentInstance(1) Finding(1) NumericFinding(1) AssessmentVariable(6) ItemDef(4) SDTMVariable(6) CTerm(7)  
\*(26) HAS(3) COLLECTED\_IN(6) HAS\_ITEMDEF(4) TABULATED\_IN(6) VALID\_VALUE(7)



# DEMO TIME



# Welcome to the StudyBuilder application

## Study Specification made easy

# STUDY BUILDER



Build  
your study in a  
consistent way











Comply  
with standards  
including CDISC

Reuse  
specification elements  
across studies

Get insights  
via user-defined  
dashboards

Integrate  
with other systems  
via open API

LICENSE

- <<
-  About Library
-  Process Overview
-  Code Lists ^
- Dashboard
- CT Catalogues**
- CT Packages
- CDISC
- Sponsor
-  Dictionaries v
-  Concepts v
-  Syntax Templates v
-  Template Instantiations v
-  Template Collections v
-  Data Exchange Standards v
-  List v


Library / Code Lists / CT Catalogues / All

## CT Catalogues




All ADAM CT CDASH CT COA CT DEFINE-XML CT GLOSSARY CT PROTOCOL CT QRS CT QS-FT CT SDTM CT SEND CT



Select rows






Search  



	Library	Concept ID	Sponsor preferred name	Template parameter	Code list name	Submission value	NCI Preferred name	Extensible	Attributes status	Attributes modified
	CDISC	C100129	Category of Questionnaire	No	Category of Questionnaire	QSCAT	CDISC Questionnaire Category Terminology	Yes	<span style="background-color: green; color: white; border-radius: 50%; padding: 2px;">Final</span>	Jun 30, 2017, 12:00 AM
	CDISC	C100130	Relationship to Subject	No	Relationship to Subject	RELSUB	CDISC SDTM Relationship to Subject Terminology	Yes	<span style="background-color: green; color: white; border-radius: 50%; padding: 2px;">Final</span>	Sep 26, 2014, 12:00 AM
	CDISC	C100131	QS-Alzheimer's Disease Assessment Scale - Cognitive CDISC Version Test Name	No	Alzheimer's Disease Assessment Scale - Cognitive CDISC Version Questionnaire Test Name	ADCTN	CDISC Questionnaire ADAS-Cog CDISC Version Test Name Terminology	No	<span style="background-color: green; color: white; border-radius: 50%; padding: 2px;">Final</span>	Mar 25, 2016, 12:00 AM






STUDY BUILDER  Studies  Library












ADD NEW STUDY SELECT STUDY CDISC DEV-0   JOHN DOE 

Library / Concepts / Activities

## Activities

List of Activities Activities by Grouping Activities Instantiations

Select rows     

	Group/subgroup/activity	Modified	Status	Version
 	<b>Demography</b>	Jun 13, 2022, 3:35 PM	<span>Final</span>	1.0
 	<b>GeneralDemography</b>	Jun 13, 2022, 3:36 PM	<span>Final</span>	1.0
	Date of Birth	Jun 13, 2022, 3:44 PM	<span>Final</span>	1.0
	Ethnicity	Jun 13, 2022, 3:44 PM	<span>Final</span>	1.0
	Race	Jun 13, 2022, 3:44 PM	<span>Final</span>	1.0
	Sex	Jun 13, 2022, 3:44 PM	<span>Final</span>	1.0
	Subject Information	Jun 13, 2022, 3:44 PM	<span>Final</span>	1.0
 	<b>Compliance</b>	Jun 13, 2022, 3:35 PM	<span>Final</span>	1.0

- ←
- About Library
- Process Overview
- Code Lists
- Dictionaries
- Concepts
- Activities
- Units
- CRFs
- Compounds
- Syntax Templates
- Template Instantiations
- Template Collections
- Data Exchange Standards
- List

Library / Concepts / CRFs

## CRFs



CRF Templates   Forms   Item Groups   Items   CRF Tree   ODM View   Alias





Select rows



Filtering currently not activated

	Templates / Forms / ItemGroups / Items	Version	Status	Repeating	Mandatory	Link
^	<b>T</b> ODM version 1.3.2 with DoB	1.0	Final			+
∨	<b>F</b> Medical History/Concomitant Illness	1.0	Final	<input type="checkbox"/>	<input type="checkbox"/>	+
∨	<b>F</b> Vital Signs	1.0	Final	<input type="checkbox"/>	<input type="checkbox"/>	+
^	<b>F</b> Informed Consent and Demography	1.0	Final	<input type="checkbox"/>	<input type="checkbox"/>	+
∨	<b>G</b> Informed Consent	1.0	Final	<input type="checkbox"/>	<input type="checkbox"/>	+
^	<b>G</b> General Demography	1.0	Final	<input type="checkbox"/>	<input type="checkbox"/>	+
	<b>I</b> Age	1.0	Final		<input type="checkbox"/>	
	<b>I</b> Race	1.0	Final		<input type="checkbox"/>	
	<b>I</b> Sex [read-only]	1.0	Final		<input type="checkbox"/>	
	<b>I</b> Date of birth	1.0	Final		<input type="checkbox"/>	


STUDY BUILDER  Studies  Library


ADD NEW STUDY    SELECT STUDY    CDISC DEV-0       JOHN DOE  HOW TO USE


- ←
- ⓘ About Library
- ➔ Process Overview
- 📁 Code Lists ▼
- 📖 Dictionaries ▼
- 🔍 Concepts ▲
- Activities
- Units
- CRFs
- Compounds
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- 📄 Template Instantiations ▼
- 📄 Template Collections ▼
- 🔄 Data Exchange Standards ▼
- ☰ List ▼


## 2: General Demography

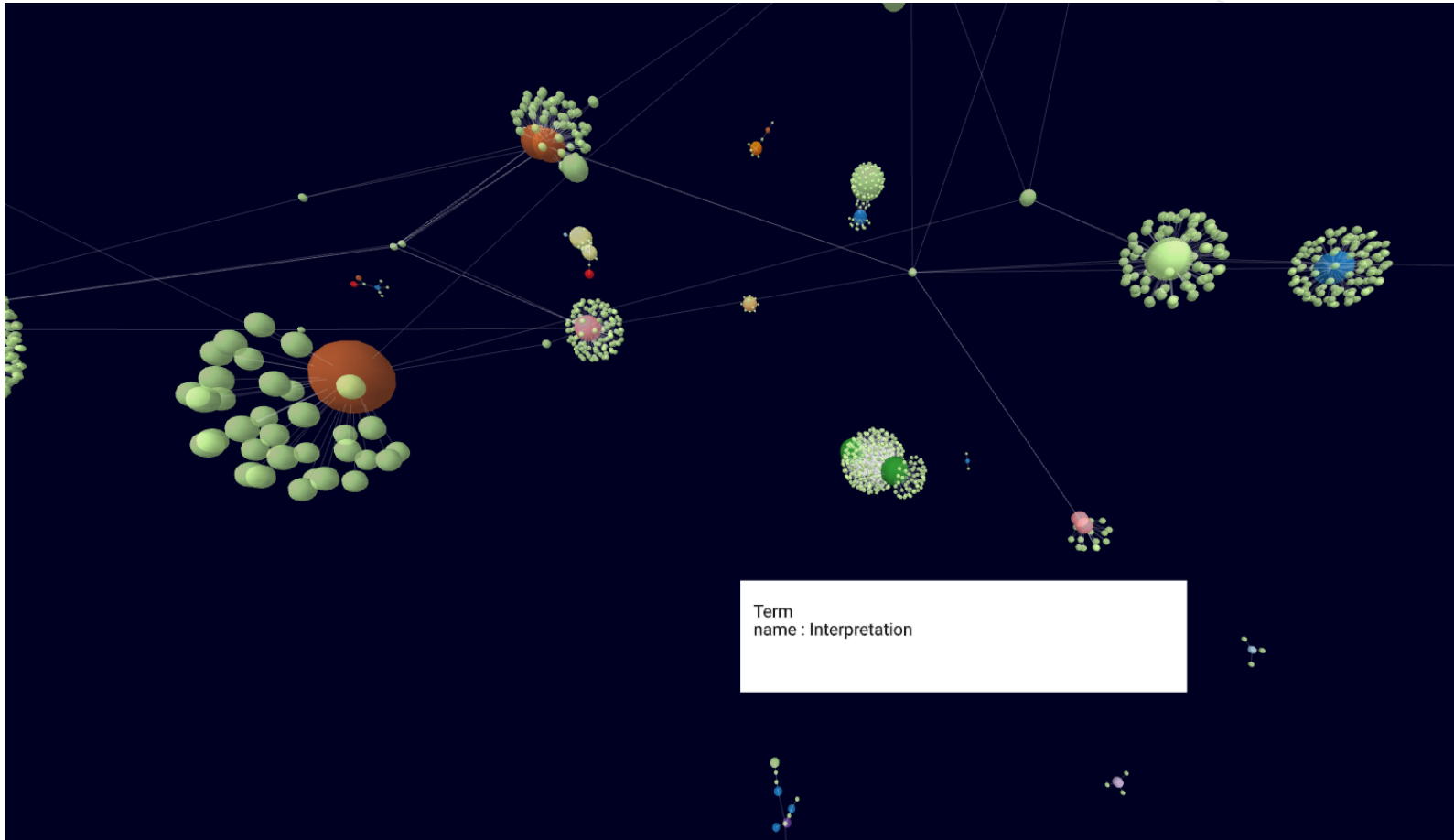
**DM=Demographics**

Sex [read-only] \*  
[I.SEX]  Sex [read-only]  **SEX**

Date of birth \*  
[I.BRTHDTC]  Date of birth  **BRTHDTC**

Age \*  
[I.AGE]  Age  **AGE**

Race \*  
[I.RACE]  Race  **RACE**



# Thank you!

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[nicolas.desaintjorre@quanticsoft.com](mailto:nicolas.desaintjorre@quanticsoft.com)