

Add Item

a

TEXT

¶

PARAGRAPH

⊙

MULTIPLE CHOICE

☑

CHECKBOX

📅

DATE

MORE ITEMS

✓

ADD AN ELEMENT

✓

TASK: FIELD CLASS SELECTION

Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

Enter Option

Click choice to set as default

⊕

ADD ANOTHER

⊕

Required

Advanced

+

×

FIELDVALUES

Use the options below to add ontology classes here

SEARCHBROWSECREATE

Search for a class in multiple ontologies

Search

🔍

+

×

NAMING CONVENTIONS:

- CLASS, ONTOLOGY CLASS = term, concept

- ONTOLOGY = term library

- VALUE SET = term set

Field: Makes it possible to select classes to represent the field "study type" itself.

Values: Select classes for the possible runtime values.

Add Item

a TEXT

¶ PARAGRAPH

⊙ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS



ADD AN ELEMENT



TASK: FIELD CLASS SELECTION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type



Enter Option

Click choice to set as default



ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add ontology classes here

SEARCH

BROWSE

CREATE

Search for a class in multiple ontologies

study type



| Class | Ontology |
|-------------------------|--|
| study type | Plant Environmental Conditions (PECO) |
| study type | Plant Experimental Assay Ontology (PEAO) |
| Study type | Clinical Trials Ontology (CTO) |
| Study Design | EDDA Study Designs and Publications (EDDA) |
| Non clinical Study Type | Sage Bionetworks Synapse Ontology (SYN) |
| ... | ... |



Add Item

TASK: FIELD CLASS SELECTION

a TEXT

¶ PARAGRAPH

⦿ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS

ADD AN ELEMENT

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

● Enter Option

Click choice to set as default

⊕ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add ontology classes here

SEARCH

BROWSE

CREATE

Search for a class in multiple ontologies

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| Class | Ontology |
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| study type | Plant Environmental Conditions (PECO) |
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| Study type | Clinical Trials Ontology (CTO) |
| Study Design | EDDA Study Designs and Publications (EDDA) |
| Non clinical Study Type | Sage Bionetworks Synapse Ontology (SYN) |
| ... | ... |

ONTOLOGY TREE

CLASS DETAILS

ONTOLOGY DETAILS

| |
|----------------------|
| plant treatment |
| ProteinFragment |
| ProteinModification |
| study type |
| field study |
| green house study |
| growth chamber study |
| laboratory study |
| unknown study type |
| DevelopmentalStage |

⊕ SELECT CLASS



Add Item

a TEXT

¶ PARAGRAPH

⊙ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS



ADD AN ELEMENT



TASK: FIELD CLASS SELECTION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

☐ Enter Option

Click choice to set as default

+ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add ontology classes here

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| Study Design | EDDA Study Designs and Publications (EDDA) |
| Non clinical Study Type | Sage Bionetworks Synapse Ontology (SYN) |
| ... | ... |

ONTOLOGY TREE

CLASS DETAILS

ONTOLOGY DETAILS

| | |
|------------|---|
| Pref. Name | study type |
| ID | http://purl.obolibrary.org/obo/EO_0007231 |
| Definition | A plant experimental condition (EO:0007359) or set of conditions describing what kind of plant growth facility was used for the experiment. |
| ... | ... |

+ SELECT CLASS



Add Item

a TEXT

¶ PARAGRAPH

⦿ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS ✓

ADD AN ELEMENT ✓

TASK: FIELD CLASS SELECTION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

☐ Enter Option

Click choice to set as default

⊕ ADD ANOTHER

☐ Required☐ Advanced

FIELD

VALUES

Use the options below to add ontology classes here

SEARCH

BROWSE

CREATE

Search for a class in multiple ontologies

study type



| Class | Ontology |
|-------------------------|--|
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| Study type | Clinical Trials Ontology (CTO) |
| Study Design | EDDA Study Designs and Publications (EDDA) |
| Non clinical Study Type | Sage Bionetworks Synapse Ontology (SYN) |
| ... | ... |

ONTOLOGY TREE

CLASS DETAILS

ONTOLOGY DETAILS

| | |
|----------------|---|
| Name | Plant Experimental Assay Ontology |
| Acronym | PEAO |
| BioPortal purl | http://purl.bioontology.org/ontology/PEAO |
| No. classes | 113,531 |
| Description | The Plant domain has been the subject of several attempts to structure and formally define terms and corresponding relations, such as their anatomical features, developmental stages, and the application of particular experimental procedures to a biological problem. However, a focus on experimental assays in order to |

⊕ SELECT CLASS



Add Item

a TEXT

¶ PARAGRAPH

⊙ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS



ADD AN ELEMENT



TASK: FIELD CLASS SELECTION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

⊙ MULTIPLE CHOICE



Enter Option

Click choice to set as default



ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Class

Ontology

study type

Plant Experimental Assay Ontology (PEAO)



SEARCH

BROWSE

CREATE

Search for a class in multiple ontologies

Search



Difference between Search and Browse:

Search: the user knows the name of the class that he/she is looking for.

Browse: the user would like to explore all ontologies interactively to find an appropriate class

Add Item

TASK: FIELD CLASS SELECTION

a TEXT

¶ PARAGRAPH

⦿ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS

ADD AN ELEMENT

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

☐ Enter Option

Click choice to set as default

+ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

| Class | Ontology | |
|------------|--|----------------------------|
| study type | Plant Experimental Assay Ontology (PEAO) | i ✎ ✕ |

SEARCH

BROWSE

CREATE

Browse the library of ontologies

Search



| Ontology | Categories | No. classes |
|---|------------------|-------------|
| Current Procedural Terminology (CPT) | Health | 13,083 |
| RxNORM (RxNORM) | Health | 119,273 |
| Systematized Nomenclature of Medicine - Clinical Terms (SNOMEDCT) | Health | 303,035 |
| Medical Dictionary for Regulatory Activities (MEDDRA) | Health | 65,934 |
| Human Phenotype Ontology (HPO) | Human, Phenotype | 11,220 |
| ... | ... | ... |

This search field is to search for ontologies by name



Add Item

TASK: FIELD CLASS SELECTION

a TEXT

¶ PARAGRAPH

⦿ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

⦿ MULTIPLE CHOICE

MORE ITEMS



ADD AN ELEMENT



● Enter Option

Click choice to set as default

⊕ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

| Class | Ontology | |
|------------|--|--|
| study type | Plant Experimental Assay Ontology (PEAO) | |

SEARCH

BROWSE

CREATE

Browse the library of ontologies

Search



| Ontology | Categories | No. classes |
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| Systematized Nomenclature of Medicine - Clinical Terms (SNOMEDCT) | Health | 303,035 |
| Medical Dictionary for Regulatory Activities (MEDDRA) | Health | 65,934 |
| Human Phenotype Ontology (HPO) | Human, Phenotype | 11,220 |
| ... | ... | ... |

ONTOLOGY TREE

CLASS DETAILS

ONTOLOGY DETAILS

- ⊕ Blood and lymphatic system disorders
- ⊕ Cardiac disorders
- ⊕ Congenital, familial and genetic disorders
- ⊕ Ear and labyrinth disorders
- ⊕ Endocrine disorders
- ⊕ Eye disorders
- ⊕ Gastrointestinal disorders
- ⊕ General disorders and administration site conditions
- ⊕ Hepatobiliary disorders

⊕ SELECT CLASS



Class details and ontology details would have the same functionality as before

Add Item

TASK: FIELD CLASS CREATION

a TEXT

¶ PARAGRAPH

⊙ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

⊙ MULTIPLE CHOICE

MORE ITEMS



ADD AN ELEMENT



Enter Option

Click choice to set as default



ADD ANOTHER



Required



Advanced



FIELD

VALUES

Use the options below to add ontology classes here

SEARCH

BROWSE

CREATE

Please, provide the following information for the class you want to create

URI



Name*



Description*



Map to existing classes



CREATE CLASS



Add Item

TASK: FIELD CLASS CREATION

a TEXT

¶ PARAGRAPH

⊙ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

⊙ MULTIPLE CHOICE

MORE ITEMS



ADD AN ELEMENT



☐ Enter Option

Click choice to set as default

+ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add ontology classes here

SEARCH

BROWSE

CREATE

Please, provide the following information for the class you want to create

http://metadatascenter.org/schemas/StudyType



Study type



Nature of the investigation



☒ Map to existing classes ?



MAPPINGS TO EXISTING CLASSES

Use the options below to add mappings here

SEARCH

BROWSE

Search for a class in multiple ontologies

Search



+ CREATE CLASS



We use Search or Browse to find classes we want to map to

Add Item

TASK: FIELD CLASS CREATION

a TEXT

¶ PARAGRAPH

⦿ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

⦿ MULTIPLE CHOICE

MORE ITEMS



ADD AN ELEMENT



● Enter Option

Click choice to set as default

⊕ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add ontology classes here

SEARCH

BROWSE

CREATE CLASS

Please, provide the following information for the class you want to create

http://metadatadcenter.org/schemas/StudyType



Study type



Nature of the investigation



☑ Map to existing classes ?

MAPPINGS TO EXISTING CLASSES

Use the options below to add mappings here

SEARCH

BROWSE

Search for a class in multiple ontologies

study



| Class | Ontology |
|-------|--|
| Study | Systematized Nomenclature of Medicine (SNOMEDCT) |
| Study | Logical Observation Identifier Names and Codes (LOINC) |
| Study | Clinical Trials Ontology (CTO) |
| Study | EDDA Study Designs and Publications (EDDA) |

StudySage Bionetworks Synapse Ontology (SYN)

......

ONTOLOGY TREECLASS DETAILSONTOLOGY DETAILS

plant treatmentProteinFragmentProteinModificationstudy typefield studygreen house studygrowth chamber studylaboratory studyunknown study typeDevelopmentalStage

CREATE MAPPING

Study typeStudy (LOINC)

Select a mapping type...

equivalent tosubclass ofsuperclass ofmore specific thanmore general thanrelated to

CREATE MAPPING

When we find the class we want to map to, we can then describe the relationship

CREATE CLASS



Add Item

TASK: FIELD CLASS CREATION

a TEXT

¶ PARAGRAPH

⊙ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

⊙ MULTIPLE CHOICE

☐ Enter Option

Click choice to set as default

+ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add ontology classes here

SEARCH

BROWSE

CREATE CLASS

Please, provide the following information for the class you want to create

http://metadatascenter.org/schemas/StudyType



Study type



Nature of the investigation



☒ Map to existing classes **?**

MAPPINGS TO EXISTING CLASSES

| Mapping type | Target class | Target ontology | |
|--------------|--------------|-----------------|--|
| subclass of | Study | LOINC | <input checked="" type="checkbox"/> × |

SEARCH

BROWSE

Search for a class in multiple ontologies

Search



+ CREATE CLASS





This is not restricted to only one mapping. We could add multiple mappings.


Add Item

TASK: FIELD CLASS CREATION

 TEXT

 PARAGRAPH

 MULTIPLE CHOICE

 CHECKBOX


 DATE

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type


 MULTIPLE CHOICE

MORE ITEMS

ADD AN ELEMENT

Enter Option

Click choice to set as default

 ADD ANOTHER

☐

Required

☐

Advanced



FIELD

VALUES

| Class | Ontology |
|------------|----------|
| study type | CEDAR |



SEARCH

BROWSE

CREATE

Please, provide the following information for the class you want to create

URI



Name*



Description*



Map to existing classes ?



CREATE CLASS



Add Item

TEXT

PARAGRAPH

MULTIPLE CHOICE

CHECKBOX

DATE

MORE ITEMS

ADD AN ELEMENT

TASK: FIELD VALUES SELECTION

Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

Enter Option

Click choice to set as default

ADD ANOTHER

Required

Advanced

FIELD

VALUES

Use the options below to add values here

SEARCH

BROWSE

CREATE

Search for a class in BioPortal

Search

BioPortal ontologies

BioPortal value sets

For free-text fields (e.g. text), this “Values” option allows to restrict the possible values accepted by the field to a specific list, which could be potentially very large (e.g. thousands of classes from an ontology) Autocomplete would be used at runtime to suggest the accepted values to the user as he/she types

Value sets are not considered for the field search that we explained previously

Add Item

a

TEXT

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PARAGRAPH

⊙

MULTIPLE CHOICE

☑

CHECKBOX

📅

DATE

MORE ITEMS

ADD AN ELEMENT

TASK: FIELD VALUES SELECTION

Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

Enter Option

Click choice to set as default

ADD ANOTHER

🔗

Required

Advanced

+

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FIELDVALUES

Use the options below to add values here

SEARCHBROWSECREATE

Search for a class in BioPortal

observational study

🔍

● Ontologies

● Value sets

| Result | Type | Source name |
|--------------------------------|-----------------|---|
| Observational Study | Value set class | Research study types |
| Observational Study | Value set class | Sage Bionetworks Synapse Ontology (SYN) |
| observational study | Ontology class | Sage Bionetworks Synapse Ontology (SYN) |
| observational study | Ontology class | Semanticscience Integrated Ontology (SIO) |
| Types of observational studies | Value set | Types of observational studies |
| ... | ... | ... |

CLASS DETAILSVALUE SET INFOVALUE SET

| | |
|------------|---|
| Pref. Name | Observational Study |
| ID | http://someuniqueidentifier |
| Definition | In epidemiology and statistics, an observational study draws inferences about the possible effect of a treatment on subjects, where the assignment of subjects into a treated group versus a control group is outside the control of the investigator |
| CUI | C1518527 |
| ... | ... |

ADD CLASSADD ENTIRE VALUE SET

Observational Study


UI label

?

Types of results:

- Class from an ontology
- Class from a value set
- Value set

Specific options for Value set class. For example, for an ontology class we will show an "Ontology Tree" option instead of the "Value set" option.

 ADD CLASS



Add Item

a TEXT

¶ PARAGRAPH

⦿ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS

ADD AN ELEMENT

TASK: FIELD VALUES SELECTION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

Enter Option

Click choice to set as default

⊕ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add values here

SEARCH

BROWSE

CREATE

Search for a class in BioPortal

observational study



Ontologies



Value sets

| Result | Type | Source name |
|--------------------------------|-----------------|---|
| Observational Study | Value set class | Research study types |
| Observational Study | Value set class | Sage Bionetworks Synapse Ontology (SYN) |
| observational study | Ontology class | Sage Bionetworks Synapse Ontology (SYN) |
| observational study | Ontology class | Semanticscience Integrated Ontology (SIO) |
| Types of observational studies | Value set | Types of observational studies |
| ... | ... | ... |

CLASS DETAILS

VALUE SET INFO

VALUE SET

| | |
|------------|---|
| Pref. Name | Observational Study |
| ID | http://someuniqueidentifier |
| Definition | In epidemiology and statistics, an observational study draws inferences about the possible effect of a treatment on subjects, where the assignment of subjects into a treated group versus a control group is outside the control of the investigator |
| CUI | C1518527 |
| ... | ... |

ADD CLASS

ADD ENTIRE VALUE SET

Observational Study

Observational







ADD CLASS




Add Item

 TEXT

 PARAGRAPH

 MULTIPLE CHOICE

 CHECKBOX

 DATE

MORE ITEMS 

ADD AN ELEMENT 

TASK: FIELD VALUES SELECTION

☐ Preview Element


ITEM CONFIGURATION

Enter Field Title

Study type

☐ Enter Option

Click choice to set as default

 ADD ANOTHER

☐

Required




☐

Advanced



FIELD

VALUES

| Value | Type | Source | UI label | |
|---------------------|-----------------|----------------------|---------------|---|
| Observational Study | Value set class | Research study types | Observational |    |

SEARCH

BROWSE

CREATE

Search for a class in BioPortal

observational study



Ontologies



Value sets

| Result | Type | Source name |
|--------------------------------|-----------------|---|
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CLASS DETAILS

VALUE SET INFO

VALUE SET


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|------------|---|
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| CUI | C1518527 |
| ... | ... |

ADD CLASS

ADD ENTIRE VALUE SET

Observational Study

Observational

 ADD CLASS



Add Item

a TEXT

¶ PARAGRAPH

⦿ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS

ADD AN ELEMENT

TASK: FIELD VALUES SELECTION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

Enter Option

Click choice to set as default

+ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add values here

SEARCH

BROWSE

CREATE

Search for a class in BioPortal

observational study



Ontologies



Value sets

| Class | Source | Source type |
|---------------------|---|-------------|
| Observational Study | Research study types | Value set |
| Observational Study | Sage Bionetworks Synapse Ontology (SYN) | Value set |
| observational study | Sage Bionetworks Synapse Ontology (SYN) | Value set |
| observational study | Semanticscience Integrated Ontology (SIO) | Ontology |
| Observational study | Cigarette Smoke Exposure Ontology (CSEO) | Ontology |
| ... | ... | ... |

CLASS DETAILS

VALUE SET INFO

VALUE SET

Longitudinal Study
Observational Study
Interventional Study

ADD CLASS

ADD ENTIRE VALUE SET

Longitudinal Study

Longitudinal




Observational Study



Interventional Study



 ADD VALUE SET



Add Item

a TEXT

¶ PARAGRAPH

⊙ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS

ADD AN ELEMENT

TASK: FIELD VALUES SELECTION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

☐ Enter Option

Click choice to set as default

+ ADD ANOTHER

☐

Required

☐

Advanced



FIELD

VALUES

| Values | Type | Source | UI label | |
|----------------------|-----------------|----------------------|----------------|--|
| Longitudinal Study | Value set class | Research study types | Longitudinal | |
| Observational Study | Value set class | Research study types | Observational | |
| Interventional Study | Value set class | Research study types | Interventional | |

SEARCH

BROWSE

CREATE

Search for a class in BioPortal

observational study



Ontologies



Value sets

| Class | Source | Source type |
|---------------------|---|-------------|
| Observational Study | Research study types | Value set |
| Observational Study | Sage Bionetworks Synapse Ontology (SYN) | Value set |
| observational study | Sage Bionetworks Synapse Ontology (SYN) | Value set |
| observational study | Semanticscience Integrated Ontology (SIO) | Ontology |
| Observational study | Cigarette Smoke Exposure Ontology (CSEO) | Ontology |
| ... | ... | ... |



Add Item

TEXT

PARAGRAPH

MULTIPLE CHOICE

CHECKBOX

DATE

MORE ITEMS

ADD AN ELEMENT

Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

Enter Option

Longitudinal

Enter Option

Observational

Enter Option

Interventional

ADD ANOTHER

Click choice to set as default

The possible options would be automatically filled out from the classes selected previously

Required

Advanced

+

×

Add Item

a TEXT

¶ PARAGRAPH

⊙ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS

ADD AN ELEMENT

TASK: FIELD VALUES SELECTION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

Enter Option

Click choice to set as default

⊕ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add values here

SEARCH

BROWSE

CREATE

Search for a class in BioPortal

observational study



● Ontologies

● Value sets

| Result | Type | Source name |
|--------------------------------|-----------------|---|
| Observational Study | Value set class | Research study types |
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| observational study | Ontology class | Sage Bionetworks Synapse Ontology (SYN) |
| observational study | Ontology class | Semanticscience Integrated Ontology (SIO) |
| Types of observational studies | Value set | Types of observational studies |
| ... | ... | ... |

CLASS DETAILS

ONTOLOGY INFO

ONTOLOGY TREE

| | |
|------------|---|
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| CUI | C1518527 |
| ... | ... |

ADD CLASS

ADD SIBLINGS

ADD CHILDREN

Observational Study

UI label



Specific options for
Ontology class

 ADD



Add Item

a TEXT

¶ PARAGRAPH

⦿ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS

ADD AN ELEMENT

TASK: FIELD VALUES SELECTION

Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

Enter Option

Click choice to set as default

⊕ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add values here

SEARCH

BROWSE

CREATE

Search for a class in BioPortal

observational study



Ontologies



Value sets

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|--------------------------------|-----------------|---|
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| Types of observational studies | Value set | Types of observational studies |
| ... | ... | ... |

CLASS DETAILS

ONTOLOGY INFO

ONTOLOGY TREE

| |
|---------------------------------------|
| assay |
| information processing |
| investigation |
| experiment |
| intervention study |
| mass spectrometry experiment |
| microarray experiment |
| observational study |
| controlled observational cohort study |

ADD CLASS

ADD SIBLINGS

ADD CHILDREN

Observational Study

UI label

 ADD



Add Item

a TEXT

¶ PARAGRAPH

⦿ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS

ADD AN ELEMENT

TASK: FIELD VALUES SELECTION

Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

Enter Option

Click choice to set as default

⊕ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add values here

SEARCH

BROWSE

CREATE

Search for a class in BioPortal

observational study



Ontologies



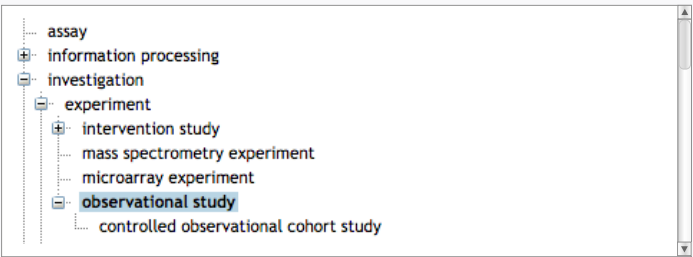
Value sets

| Result | Type | Source name |
|--------------------------------|-----------------|---|
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| observational study | Ontology class | Semanticscience Integrated Ontology (SIO) |
| Types of observational studies | Value set | Types of observational studies |
| ... | ... | ... |

CLASS DETAILS

ONTOLOGY INFO

ONTOLOGY TREE



ADD CLASS

ADD SIBLINGS

ADD CHILDREN

intervention study

UI label



mass spectrometry experiment



microarray experiment



observational study



ADD



Add Item

a TEXT

¶ PARAGRAPH

⦿ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS

ADD AN ELEMENT

TASK: FIELD VALUES SELECTION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

Enter Option

Click choice to set as default

+ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add values here

SEARCH

BROWSE

CREATE

Search for a class in BioPortal

observational study



Ontologies



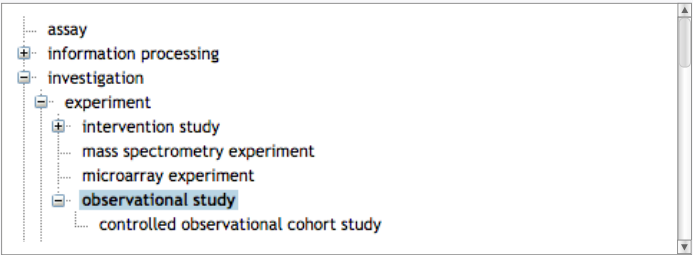
Value sets

| Result | Type | Source name |
|--------------------------------|-----------------|---|
| Observational Study | Value set class | Research study types |
| Observational Study | Value set class | Sage Bionetworks Synapse Ontology (SYN) |
| observational study | Ontology class | Sage Bionetworks Synapse Ontology (SYN) |
| observational study | Ontology class | Semanticscience Integrated Ontology (SIO) |
| Types of observational studies | Value set | Types of observational studies |
| ... | ... | ... |

CLASS DETAILS

ONTOLOGY INFO

ONTOLOGY TREE



ADD CLASS

ADD SIBLINGS

ADD CHILDREN

intervention study

Intervention



mass spectrometry experiment

Mass Spectrometry



microarray experiment

Microarray



observational study

Observational



ADD



Add Item

a TEXT

¶ PARAGRAPH

⊙ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS

ADD AN ELEMENT

TASK: FIELD VALUES SELECTION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

☐ Enter Option

Click choice to set as default

⊙ MULTIPLE CHOICE

+ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

| Values | Type | Source | UI label | |
|------------------------------|----------------|---|-------------------|--|
| intervention study | Ontology class | Semanticscience Integrated Ontology (SIO) | Intervention | |
| mass spectrometry experiment | Ontology class | Semanticscience Integrated Ontology (SIO) | Mass Spectrometry | |
| microarray experiment | Ontology class | Semanticscience Integrated Ontology (SIO) | Microarray | |
| observational study | Ontology class | Semanticscience Integrated Ontology (SIO) | Observational | |

SEARCH

BROWSE

CREATE

Search for a class in BioPortal

Search



Ontologies



Value sets



Add Item

a TEXT

¶ PARAGRAPH

⦿ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS

ADD AN ELEMENT

TASK: FIELD VALUES SELECTION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

Enter Option

Click choice to set as default

+ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add values here

SEARCH

BROWSE

CREATE

Search for a class in BioPortal

observational study



Ontologies



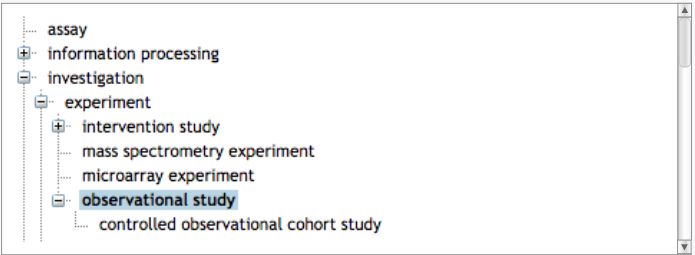
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| Types of observational studies | Value set | Types of observational studies |
| ... | ... | ... |

CLASS DETAILS

ONTOLOGY INFO

ONTOLOGY TREE



ADD CLASS

ADD SIBLINGS

ADD CHILDREN

Maximum no. levels (default: 1)

Controlled Observational Cohort Study

Observational Cohort

 ADD



Add Item

a TEXT

¶ PARAGRAPH

⦿ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS

ADD AN ELEMENT

TASK: FIELD VALUES SELECTION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

☐ Enter Option

Click choice to set as default

+ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add values here

SEARCH

BROWSE

CREATE

Browse BioPortal ontologies and value sets

study types



Ontologies



Value sets

| Source | Type | Categories | Size |
|--|-----------|------------|------|
| Research study types | Value set | Health | 4 |
| Types of clinical studies | Value set | Health | 3 |
| Animal research study types | Value set | Health | 12 |
| Study design types | Value set | Health | 8 |
| EDDA Study Designs and Publications (EDDA) | Ontology | Health | 205 |
| ... | ... | ... | ... |



Add Item

a TEXT

¶ PARAGRAPH

⦿ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS

ADD AN ELEMENT

TASK: FIELD VALUES SELECTION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

Enter Option

Click choice to set as default

+ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add values here

SEARCH

BROWSE

CREATE

Browse the library of value sets

study types



Ontologies



Value sets

| Source | Type | Categories | Size |
|--|-----------|------------|------|
| Research study types | Value set | Health | 4 |
| Types of clinical studies | Value set | Health | 3 |
| Animal research study types | Value set | Health | 12 |
| Study design types | Value set | Health | 8 |
| EDDA Study Designs and Publications (EDDA) | Ontology | Health | 205 |
| ... | ... | ... | ... |

VALUE SET

VALUE SET INFO

CLASS INFO

Laboratory and Animal Studies

Case-Control Studies

Cohort Studies

Randomized Trials

ADD VALUE SET

ADD CLASS

Laboratory and Animal Studies

UI label



Case-Control Studies

UI label



Cohort Studies

UI label



Randomized Trials

UI label



Specific options for Value set

PERSONALIZED VIEW

+

ADD VALUE SET

+

×

Add Item

a TEXT

¶ PARAGRAPH

⊙ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS ✓

ADD AN ELEMENT ✓

TASK: FIELD VALUES SELECTION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

☐ Enter Option

Click choice to set as default

⊕ ADD ANOTHER

☐

Required

☐

Advanced



FIELD

VALUES

Use the options below to add values here

SEARCH

BROWSE

CREATE

Browse the library of value sets

study types



Ontologies



Value sets

| Source | Type | Categories | Size |
|--|-----------|------------|------|
| Research study types | Value set | Health | 4 |
| Types of clinical studies | Value set | Health | 3 |
| Animal research study types | Value set | Health | 12 |
| Study design types | Value set | Health | 8 |
| EDDA Study Designs and Publications (EDDA) | Ontology | Health | 205 |
| ... | ... | ... | ... |

ONTOLOGY TREE

CLASS INFO

ONTOLOGY INFO

| |
|-----------------------|
| ⊕ Publication Type |
| ⊖ Study Design |
| ... adaptive design |
| ... analytical design |
| ... animal study |
| ⊕ before-after design |
| ⊕ case series |
| ⊕ case study |
| ⊕ clinical trial |
| ⊕ cohort study |
| ... community trial |

ADD CLASS

ADD SIBLINGS

ADD CHILDREN

ADD ONTOLOGY

This option will add all the classes from the following ontology to the list of values

| Ontology | Categories | No. classes |
|---|------------|-------------|
| Medical Dictionary for Regulatory Activities (MEDDRA) | Health | 65,934 |

Specific options for
Ontology

 ADD




Add Item

a

TEXT

¶

PARAGRAPH

⊙

MULTIPLE CHOICE

☑

CHECKBOX

📅

DATE

MORE ITEMS

✓

ADD AN ELEMENT

✓

TASK: FIELD VALUES SELECTION

Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

Enter Option

Click choice to set as default

⊕

ADD ANOTHER

⚙

Required

Advanced

⊕

×

FIELDVALUES

ValuesTypeSourceUI label

205 classesOntologyEDDA Study Designs and Publications (EDDA)N/A

SEARCHBROWSECREATE

Browse the library of value sets

Search

🔍

●

Ontologies

●

Value sets

⊕

×

In a real scenario it would not make sense to add this number of classes (205) to a multiple option field. This option of adding all classes in an ontology would be useful to restrict the possible values of a free text field at runtime using, for example, an autocomplete feature.

Add Item

a TEXT

¶ PARAGRAPH

⊙ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

MORE ITEMS



ADD AN ELEMENT



TASK: FIELD VALUES CREATION

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

⊙ MULTIPLE CHOICE



Enter Option

Click choice to set as default



ADD ANOTHER



Required



Advanced



FIELD

VALUES

Use the options below to add values here

SEARCH

BROWSE

CREATE



CREATE CLASS

CREATE VALUE SET

Please, provide the following information for the class you want to create

✓

✓

✓

☐ Map to existing classes ?



CREATE CLASS



Add Item

TASK: FIELD VALUES CREATION

a TEXT

¶ PARAGRAPH

⊙ MULTIPLE CHOICE

☑ CHECKBOX

📅 DATE

☐ Preview Element

ITEM CONFIGURATION

Enter Field Title

Study type

⊙ MULTIPLE CHOICE

MORE ITEMS



ADD AN ELEMENT



☐ Enter Option

Click choice to set as default

+ ADD ANOTHER



☐ Required

☐ Advanced



FIELD

VALUES

Use the options below to add values here

SEARCH

BROWSE

CREATE

CREATE CLASS

CREATE VALUE SET

Please, provide the following information for the value set you want to create

URI



Name*



Description*



ADD VALUES TO THE VALUE SET

Use the options below to add values here

SEARCH

BROWSE

CREATE

Search for a class in BioPortal

Search



BioPortal ontologies



BioPortal value sets



CREATE VALUE SET



Same behavior than the options that allow to select the possible values of a field