

Tutorial: Data Extraction using SRDR+

This exercise will give you a sense of what extracting data into an extraction form using SRDR+ is like. The exercise should take no longer than 10 minutes.

Getting into SRDR+

For this practice session, we're going to use an actual extraction form in SRDR+. Here's how you navigate to the right spot:

1. [Log-in to SRDR+](#) using Username: ESASStudent Password: password
2. You'll see a page that looks like this:

The screenshot shows the 'My Projects' page. At the top right is a '+ Create Project' button. Below it are 'Updated at' and 'Created at' filters. A table lists projects, with the first one, 'SGIM - Omega-3 fatty acids (n-3 FA) and Cardiovascular disease (CVD)', circled in red. The project is marked as 'updated 23 days ago'.

Click on “SGIM - Omega-3 Fatty Acids (n-3 FA) and Cardiovascular Disease (CVD)”

3. This will take you to the project page. Click on “list of extractions.”

The screenshot shows the project page for 'SGIM - Omega-3 fatty acids (n-3 FA) and Cardiovascular disease (CVD)'. The page includes a description: 'The purpose of this systematic review is to investigate the effects of Omega-3 supplementation and cardiovascular disease outcomes.' It also shows 'Date Created: Apr 16, 2019 - 10:04 am' and 'Date Updated: Apr 16, 2019 - 10:17 am'. There are three summary boxes: 'Key Questions: 2', 'Studies: 2', and 'Extraction Forms: 1'. On the right side, there are several buttons: 'Edit Project', 'Customize Extraction Form', 'List of Extractions' (circled in red), 'Export Project Data', and 'Delete Project'.

Pending Publication

Published

 Publishing Complete
 Publishing Pending

4. When you get to the data extraction list, click on “+ Create Extraction.”

Extractions

Search:

Citation (Sorted by Title)	Assigned User	Progress		
Amanda M Fretts, 2014, 25159901 Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and st...	ESASstudent (Contributor)	<div style="width: 100%;"></div>	Work	Delete
Amanda M Fretts, 2014, 25159901 Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and st...	ESASstudent (Contributor)	<div style="width: 100%;"></div>	Work	Delete
Amanda M Fretts, 2014, 25159901 Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and st...	ESASstudent (Contributor)	<div style="width: 100%;"></div>	Work	Delete
Amanda M Fretts, 2014, 25159901 Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and st...	ESASstudent (Contributor)	<div style="width: 100%;"></div>	Work	Delete
Amanda M Fretts, 2014, 25159901 Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and st...	ESASstudent (Contributor)	<div style="width: 100%;"></div>	Work	Delete
Amanda M Fretts, 2014, 25159901 Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and st...	ESASstudent (Contributor)	<div style="width: 100%;"></div>	Work	Delete

+ Create Extraction

5. Next, select “ESA student” as the user and “Plasma phospholipid and dietary α -linolenic acid, mortality, CHD, and stroke: the Cardiovascular Health Study” as the study.

New extraction

* Select User
ESASstudent (Contributor)

* Select Citation

α -Linolenic acid, linoleic acid and heart failure in women. (PMID: 22172525)

Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and stroke: the Cardiovascular Health Study. (PMID: 25159901)

Back

6. When you click “create extraction”, SRDR+ will take you back to this page- Extractions

Search:

Citation (Sorted by Title)	Assigned User	Progress		
Amanda M Fretts, 2014, 25159901 Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and st...	ESASStudent (Contributor)	<div style="width: 50%;"></div>	Work	Delete
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[+ Create Extraction](#)

7. Click on the **Work** link to the right of the bottom most Citation that reads “Plasma phospholipid and dietary α -linolenic acid, mortality, CHD, and stroke: the Cardiovascular Health Study.”

Whew! You’ve made it to the data extraction form. This is a form we’ve already created for the purposes of this exercise.

SGIM - Omega-3 fatty acids (n-3 FA) and Cardiovascular disease (CVD)

Amanda M Fretts
2014
25159901
Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and stroke: the Cardiovascular Health Study.

Select Key Question(s):

- Key Question 1: What is the efficacy or association of n-3 FA in reducing CVD outcomes
- Key Question 2: What is the efficacy or association of n-3 FA in reducing CVD risk factors

[+ Hide Menu](#)

Design Details

Arms

Arm Details

Sample Characteristics

Outcomes

Outcome Details

Risk of Bias Assessment

Results

Design Details Draft

Please answer the questions to the best of your ability. If you require clarification, please consult the project lead.
— Friendly Helper

1. Sample size (Total)
Enter N total for all abstracts.

2. Study design
Select the study design

Your task

Now that you've finally reached the extraction form, it's time to start extracting data. You'll be taking data from the abstract of a study examining the effects of fish oil on mortality, coronary heart disease, and stroke. That article is called:

[“Plasma phospholipid and dietary a-linolenic acid, mortality, CHD, and stroke: the Cardiovascular Health Study.”](#)

We suggest opening this abstract up in a new tab of your internet browser and referring to it as you move through the data extraction form.

What now?

Start filling out the SRDR+ extraction form, using the information provided in the abstract. You have enough information to fill in the fields on these tabs:

- Design
- Arms
- Arm Details
- Outcomes

When you're done, scroll to the next page to check your answers.

[Page] DIY data extraction answers

How did you do? Did you get stuck anywhere? Here are the correct answers for your data extraction:

Your Design Tab should have looked like this:

1. Sample size (Total)
Enter N total for all abstracts.

2. Study design
Select the study design

3. Sample size (With omega-3 fatty acid intake)
If a comparative study (eg, n-3 FA vs. placebo), capture N in n-3 FA arms

4. Biomarker analysis

Was a biomarker analysis included in the study (in the abstract)?

- Yes
- No
- Not enough data

5. Subgroup analysis or predictor analysis

Is it explicit (or likely) that subgroup or predictor analyses were conducted in the study?

- Yes
- No
- Not enough data

DIY data extraction answers – more tabs

Here are the correct answers for the arms tab (note that in reality, Plasma phospholipid ALA and dietary ALA may not be thought of as separate arms, but are being considered as such for the purpose of this example):

Arms Draft

Assign Arms to this Extraction.
– Friendly Helper

Arm Name	Arm Description		
Plasma phospholipid ALA		Edit	Remove
Dietary ALA		Edit	Remove

Add New Arm

* Name

Description

[Suggested Arms](#) [Save](#)

Your Arm Details Tab should look like this:

1. Interaction with other nutrient or drug?

Is it explicit (or likely) that analyses were conducted in the study to determine whether the intervention(s) interacted with another nutrient or drug?

Plasma phospholipid ALA

Dietary ALA

Your Sample Characteristics Tab should look like this:

1. Study population category

Select whether the study population consisted of either: Healthy, CVD, or High Risk for CVD participants.

Not enough data
▼

And your Outcomes Tab should look something like this:

Outcomes Completed

Assign Outcomes to this Extraction.
— Friendly Helper

Type	Domain	Specific Measurement	Populations	Timepoints		
Categorical	Death, all cause		• All Participants	• Baseline (Baseline)	Edit	Remove
Categorical	Cardiac Event		• All Participants	• Baseline (Baseline)	Edit	Remove
Categorical	Stroke/TIA		• All Participants	• Baseline (Baseline)	Edit	Remove

Add New Outcome

Type of Outcome

* Domain

Specific Measurement

Units

Populations

Delete	Name	Description
✕	* Name All Participants	Description All patients enrolled in this study.

[+ Add Population](#)

Timepoints

Delete	Name	Unit
✕	* Name Baseline	Unit

[+ Add Timepoint](#)

Suggested Outcomes
Save

Congratulations you have completed the tutorial!