

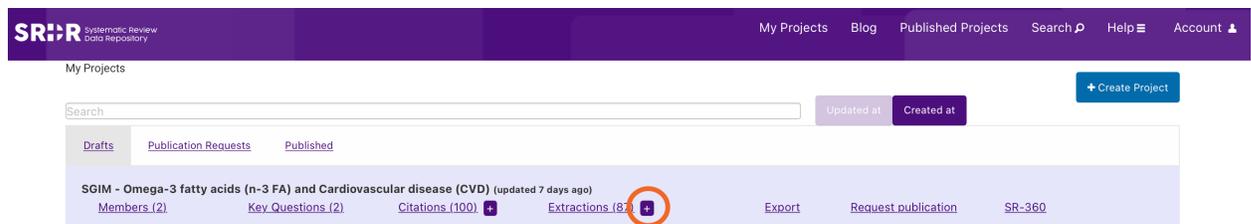
Tutorial: Data Extraction using SRDR+

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+

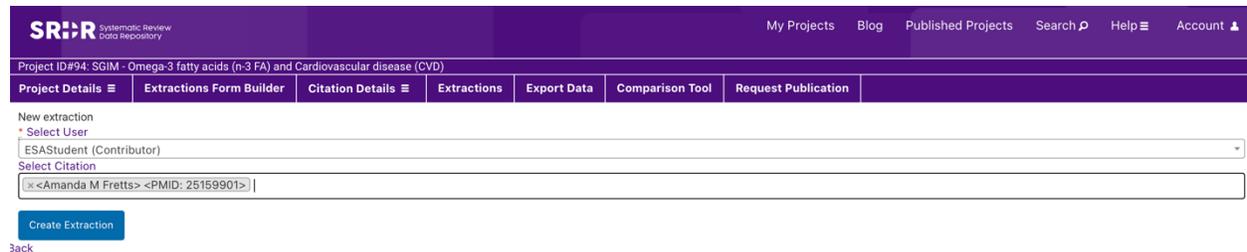
For this practice session, we're going to use an actual extraction form in SRDR+. Here's how you navigate to the right spot:

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



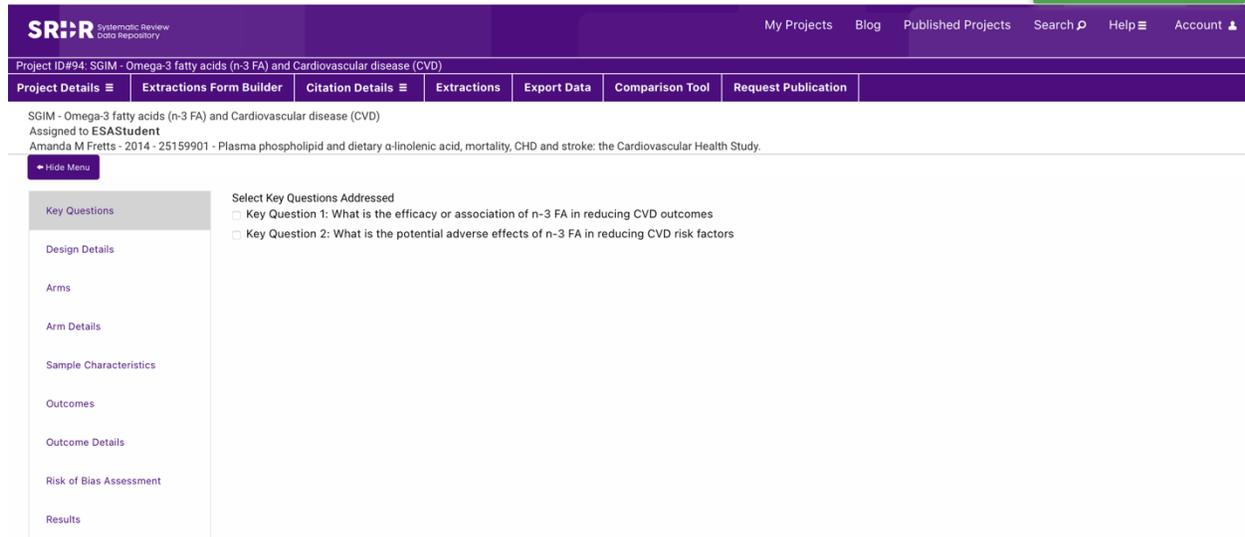
Click on the “+” symbol directly to the right of the Extractions (87) link

3. You will be forwarded for the New Extraction page for the project.
4. On the New Extraction page, select User: “ESASStudent (Contributor)”, and then Select Citation: “<Amanda M Fretts> <PMID: 25159901>”



5. Click **Create Extraction**.

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



The screenshot shows the SRDR+ (Systematic Review Data Repository) interface. At the top, there is a navigation bar with the SRDR+ logo and the text 'Systematic Review Data Repository'. To the right of the logo are links for 'My Projects', 'Blog', 'Published Projects', 'Search', 'Help', and 'Account'. Below the navigation bar is a header for the current project: 'Project ID#94: SGIM - Omega-3 fatty acids (n-3 FA) and Cardiovascular disease (CVD)'. A secondary navigation bar contains tabs for 'Project Details', 'Extractions Form Builder', 'Citation Details', 'Extractions', 'Export Data', 'Comparison Tool', and 'Request Publication'. The main content area displays the project title 'SGIM - Omega-3 fatty acids (n-3 FA) and Cardiovascular disease (CVD)', the assigned user 'Assigned to ESASStudent', and the citation 'Amanda M Fretts - 2014 - 25159901 - Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and stroke: the Cardiovascular Health Study.'. On the left side, there is a 'Hide Menu' button and a sidebar with a 'Key Questions' section. The 'Key Questions' section is expanded, showing a list of navigation options: 'Key Questions', 'Design Details', 'Arms', 'Arm Details', 'Sample Characteristics', 'Outcomes', 'Outcome Details', 'Risk of Bias Assessment', and 'Results'. The 'Key Questions' section contains two questions with checkboxes: 'Key Question 1: What is the efficacy or association of n-3 FA in reducing CVD outcomes' and 'Key Question 2: What is the potential adverse effects of n-3 FA in reducing CVD risk factors'.

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.

[“Plasma phospholipid and dietary \$\alpha\$ -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:

- Key Questions
- Design Details
- Arms
- Arm Details
- Sample Characteristics
- 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 Details Tab should have looked like this:

SGIM - Omega-3 fatty acids (n-3 FA) and Cardiovascular disease (CVD)
Assigned to ESASStudent
Amanda M Fretts - 2014 - 25159901 - Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and stroke: the Cardiovascular Health Study.

Hide Menu

Key Questions

Design Details ✓

Arms

Arm Details

Sample Characteristics

Outcomes

Outcome Details

Risk of Bias Assessment

Results

Design Details **Completed**

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.

5292

2. Study design
Select the study design

Cohort study

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

5292

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

Yes
 No
 Not enough data

Clear Selection

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

Clear Selection

Design Details **Completed**

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):

SGIM - Omega-3 fatty acids (n-3 FA) and Cardiovascular disease (CVD)
Assigned to ESASStudent
Amanda M Fretts - 2014 - 25159901 - Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and stroke: the Cardiovascular Health Study.

Hide Menu

Key Questions

Design Details ✓

Arms ✓

Arm Details

Sample Characteristics

Outcomes

Outcome Details

Risk of Bias Assessment

Results

Arms **Completed**

Assign Arms to this Extraction.
— Friendly Helper

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

Add New Arm **Suggested Arms**

* Name

Description

Save

Arms **Completed**

[Back to Extractions](#)

Your Arm Details Tab should look like this:

SGIM - Omega-3 fatty acids (n-3 FA) and Cardiovascular disease (CVD)
 Assigned to ESASStudent
 Amanda M Fretts - 2014 - 25159901 - Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and stroke: the Cardiovascular Health Study.

Hide Menu

- Key Questions
- Design Details ✓
- Arms ✓
- Arm Details ✓**
- Sample Characteristics
- Outcomes
- Outcome Details
- Risk of Bias Assessment
- Results

Arm Details Completed

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

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 | no |
| Dietary ALA | no |

Arm Details Completed

Back to Extractions

Your Sample Characteristics Tab should look like this:

SGIM - Omega-3 fatty acids (n-3 FA) and Cardiovascular disease (CVD)
 Assigned to ESASStudent
 Amanda M Fretts - 2014 - 25159901 - Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and stroke: the Cardiovascular Health Study.

Hide Menu

- Key Questions
- Design Details ✓
- Arms ✓
- Arm Details ✓
- Sample Characteristics ✓**
- Outcomes
- Outcome Details
- Risk of Bias Assessment
- Results

Sample Characteristics Completed

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

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

| |
|-----------------|
| Not enough data |
|-----------------|

Sample Characteristics Completed

Back to Extractions

And your Outcomes Tab should look something like this:

SGIM - Omega-3 fatty acids (n=3 FA) and Cardiovascular disease (CVD)
 Assigned to ESASudent
 Amanda M Fretts - 2014 - 25159901 - Plasma phospholipid and dietary α -linolenic acid, mortality, CHD and stroke: the Cardiovascular Health Study.

Hide Menu

Key Questions

Design Details ✓

Arms ✓

Arm Details ✓

Sample Characteristics ✓

Outcomes ✓

Outcome Details

Risk of Bias Assessment

Results

Outcomes Completed

Assign Outcomes to this Extraction.
 — Friendly Helper

| Type | Domain | Specific Measurement | Populations | Timepoints | FHIR Format | |
|------|-------------|----------------------|------------------|------------|-------------|--|
| + | Categorical | Death, all cause | All Participants | Baseline | JSON ODV | Edit Remove |
| + | Categorical | Cardiac Event | All Participants | Baseline | JSON ODV | Edit Remove |
| + | Categorical | Stroke/TIA | All Participants | Baseline | JSON ODV | Edit Remove |

Add New Outcome Suggested Outcomes

Type of Outcome
 Categorical

Domain
 Stroke/TIA

Specific Measurement

Units

Populations

| Delete | Name | Description |
|--------|------------------|--------------------------------------|
| ✖ | All Participants | All patients enrolled in this study. |

+ Add Population

Timepoints

| Delete | Name | Unit |
|--------|----------|------|
| ✖ | Baseline | |

+ Add Timepoint

Save

Outcomes Completed

[Back to Extractions](#)

Congratulations you have completed the tutorial!