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: ESAStudent Password: password
2. You'll see a page that looks like this:

      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."

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...	ESAStudent (Contributor)		Work	Delete
Amanda M Fretts, 2014, 25159901 Plasma phospholipid and dietary α-linolenic acid, mortality, CHD and st...	ESAStudent (Contributor)		Work	Delete
Amanda M Fretts, 2014, 25159901 Plasma phospholipid and dietary α-linolenic acid, mortality, CHD and st...	ESAStudent (Contributor)		Work	Delete
Amanda M Fretts, 2014, 25159901 Plasma phospholipid and dietary α-linolenic acid, mortality, CHD and st...	ESAStudent (Contributor)		Work	Delete
Amanda M Fretts, 2014, 25159901 Plasma phospholipid and dietary α-linolenic acid, mortality, CHD and st...	ESAStudent (Contributor)		Work	Delete
Amanda M Fretts, 2014, 25159901 Plasma phospholipid and dietary α-linolenic acid, mortality, CHD and st...	ESAStudent (Contributor)		Work	Delete

+ Create Extraction

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

New extraction

* Select User

[ESAStudent (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...	ESAStudent (Contributor)		Work	Delete
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Amanda M Fretts, 2014, 25159901 Plasma phospholipid and dietary α-linolenic acid, mortality, CHD and st...	ESAStudent (Contributor)		Work	Delete

+ Create Extraction

7. Click on the **Work** link to the right of the bottom most Citation that reads "Plasma phospholipid and dietary a-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	## Design Details [Draft]
Arms	Please answer the questions to the best of your ability. If you require clarification, please consult the project lead. — Friendly Helper
Arm Details	
Sample Characteristics	**1. Sample size (Total)** Enter N total for all abstracts.
Outcomes	
Outcome Details	
Risk of Bias Assessment	
Results	**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.

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

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):

Your Arm Details Tab should look like this:

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!