Systematic Review Data Repository-Plus (SRDR+) Training
Example Case for Blood Pressure Targets

Introduction

Welcome to Systematic Review Data Repository-Plus (SRDR+)!

In this module, we will ask you to initiate a new project, create a data extraction form, and extract data from one study.* The goal of this exercise is to familiarize new users with SRDR+ by walking through the extraction of data from one example study into a new systematic review project. Please plan to devote 1-1.5 hours for this part of the training.

All materials for successfully completing this training are provided, including step-by-step instructions and a sample study to extract. Please read the notes below before beginning these exercises.

Notes:

- Please use **Firefox, Google Chrome, IE, or Safari** browser when using SRDR+.
- Throughout this exercise, information specifically designated for entry into SRDR+ Web forms during this exercise will be noted in *italic blue*. Feel free to copy and paste these sections into the indicated fields.
- For more detailed information on how to use the SRDR+ website, please refer to the SRDR+ user manual which can be linked through the homepage.

*** For demonstration purposes, we will be extracting data from the following article:**
Sarnak MJ. The effect of a lower target blood pressure on the progression of kidney disease: long-term follow-up of the modification of diet in renal disease study. *Annals of Internal Medicine*. 2005; 142(5): 342-52.

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LOGGING IN

1. Go to http://srdrplus.ahrq.gov/

2. Click “Sign-Up” at the top right corner of the page, and on the following page please enter your preferred email address and password.

3. Click the **Sign Up** button. A confirmation link will be sent to your preferred email address.

4. Go to your email inbox and click on the confirmation link to activate your SRDR Plus account.

5. Log in using your email address and password.

A. CREATING A NEW PROJECT

To create a new project, follow the steps below:

1. Once logged in, click **Dashboard** near the top right of the page.

2. On the next page, click on **+Create Project**, located near the top right of the page. This will initiate a new project.

3. In the field labeled **Name** (see item **A** in Figure 1) enter:

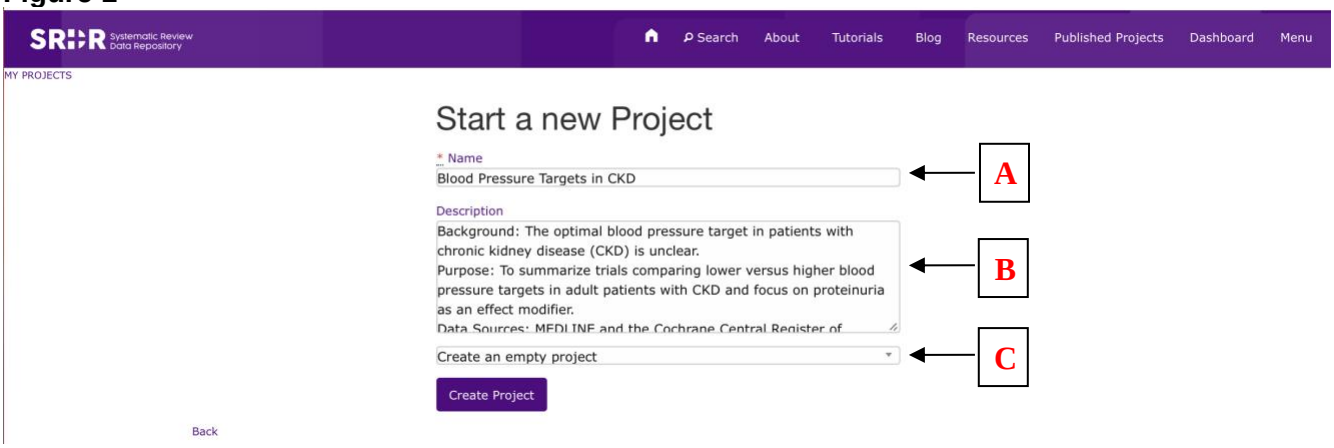
   Blood Pressure Targets in CKD

4. In the field labeled **Description** (see item **B** in Figure 1) enter:

   ***Background**: The optimal blood pressure target in patients with chronic kidney disease (CKD) is unclear.*
   ***Purpose**: To summarize trials comparing lower versus higher blood pressure targets in adult patients with CKD and focus on proteinuria as an effect modifier.*
   ***Data Sources**: MEDLINE and the Cochrane Central Register of Controlled Trials (July 2001 through January 2011) were searched for reports from randomized, controlled trials with no language restriction.*
   ***Study Selection**: Authors screened abstracts to identify reports from trials comparing blood pressure targets in adults with CKD that had more than 50 participants per group; at least 1-year follow-up; and outcomes of death, kidney failure, cardiovascular events, change in kidney function, number of antihypertensive agents, and adverse events.*
   ***Data Extraction**: Reviewers extracted data on study design, methods, sample characteristics, interventions, comparators, outcomes, number of medications, and adverse events and rated study quality and quality of analyses for proteinuria subgroups.*

5. From the dropdown bar, select **Create an empty project** (see item **C** in Figure 1).

Figure 1



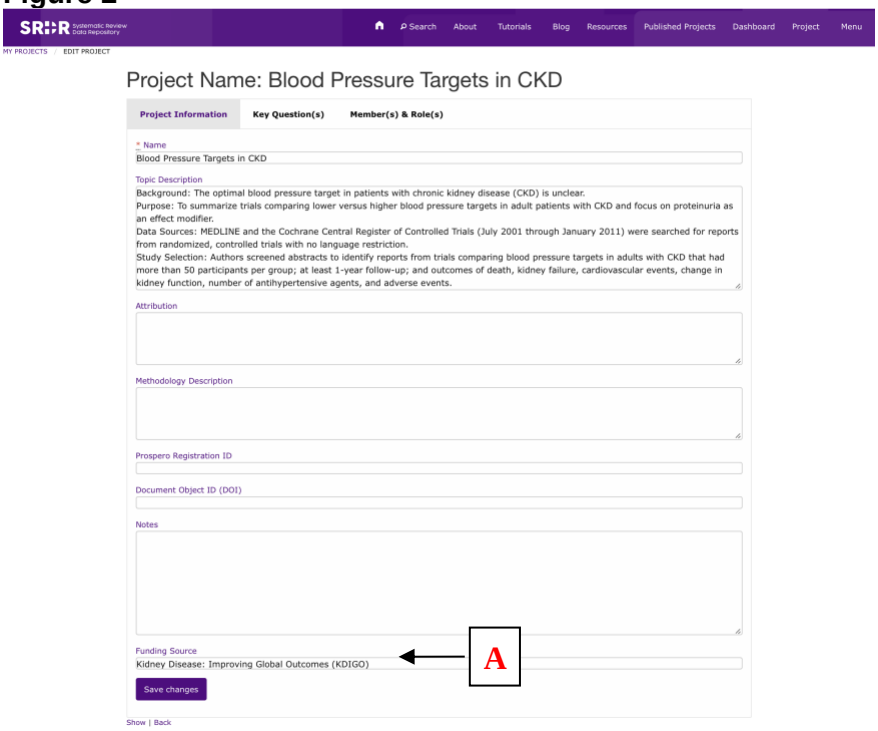
6. Click **Create Project**.

7. On the next page, you can leave the fields **Attribution**, **Methodology Description**, **Prospero Registration ID**, **Document Object ID**, and **Notes** blank. These are fields you might use to enter additional relevant information.

8. In the field labeled **Funding Source** (see item **A** in Figure 2) enter:

   Kidney Disease: Improving Global Outcomes (KDIGO)

Figure 2



9. Click **Save Changes.**

10. Click the **Key Question(s)** tab directly to the right of the Project Information tab near the top left of the page.

11. In the field labeled **Create Key Question**, enter:

    Key Question 1: What is the optimal blood pressure target for patients with CKD?

12. Click **Save Key Question**. The newly added key question along with its date created and date updated now appear in the Key Questions table located near the top of the Key Question(s) tab.

    Please note: *You can rename or remove the key question at any time using the links to the right of the Key Question you'd like to modify.*

13. Now, try adding another Key Question, as follows:

    Key Question 2: What effect does proteinuria have on blood pressure in patients with CKD?

Once you've added and saved the new Key Question, both Key Questions along with their dates created and updated now appear in the Key Questions table

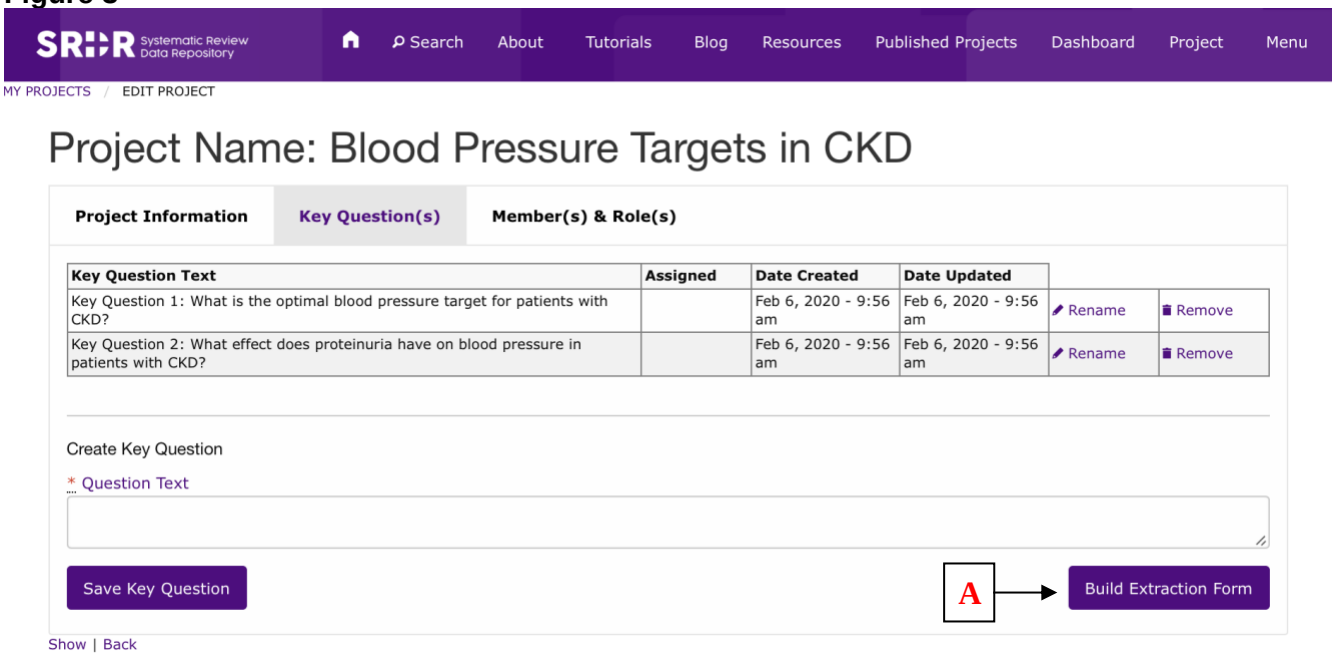
Hooray!! You have completed the ***CREATING A NEW PROJECT*** *exercise!*

B. BUILDING A NEW EXTRACTION FORM

In order to extract study data into your systematic review project, you must first create an **Extraction Form**. In this exercise, we will create one extraction form that will address both of the Key Questions that you created in Section A of this document.

1. From the **Key Questions** tab of your project, click **Build Extraction Form** (see item **A** in Figure 3)**.**

Figure 3



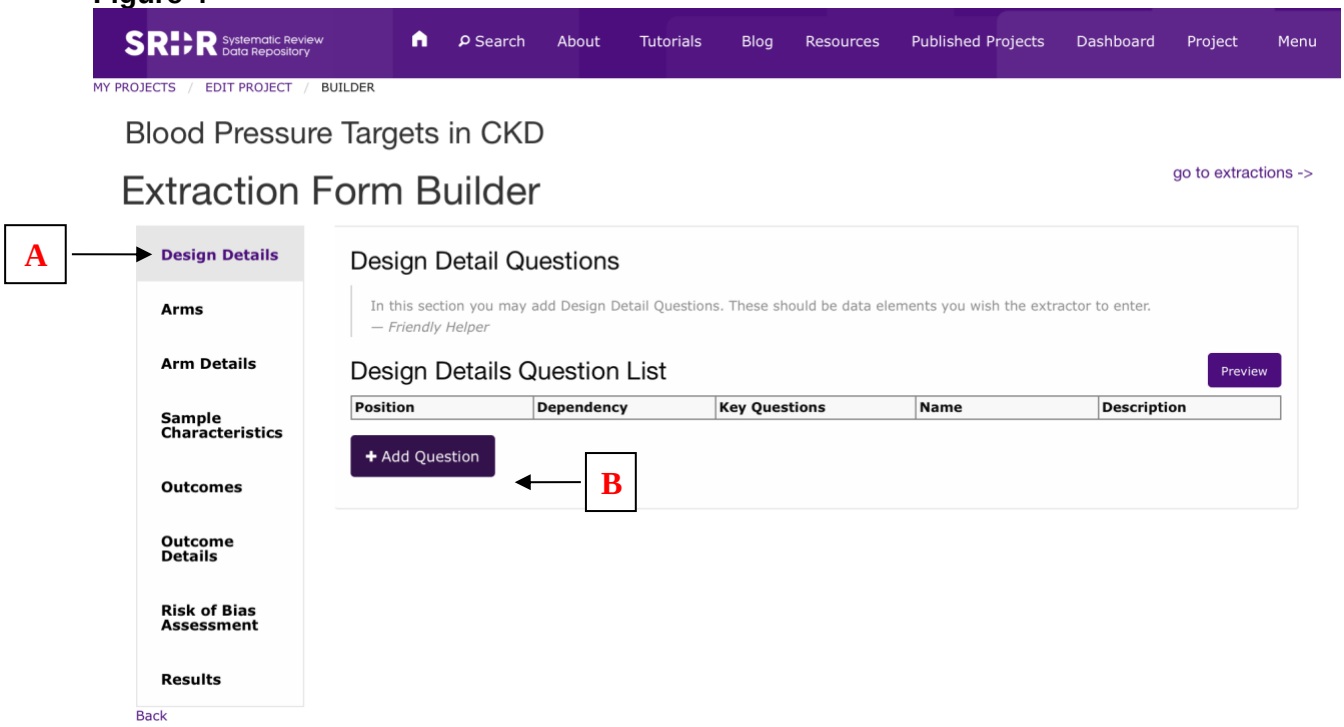
A set of tabs will appear along the left-hand side of the page, each representing a potential section of the newly initiated extraction form (see item **A** in Figure 4). You may choose to include a section or not, depending upon the needs of your project. You may navigate among the tabs in any order by simply clicking on the desired tab. We will include all sections in this exercise.

B-1. Building the Design Details section

To add a question field to the Design Details tab of the extraction form, follow the steps below:

1. By default, you will start on the Design Details tab of the Extraction Form (see item **A** in Figure 4). Click the **+Add Question** button (see item **B** in Figure 4).

Figure 4



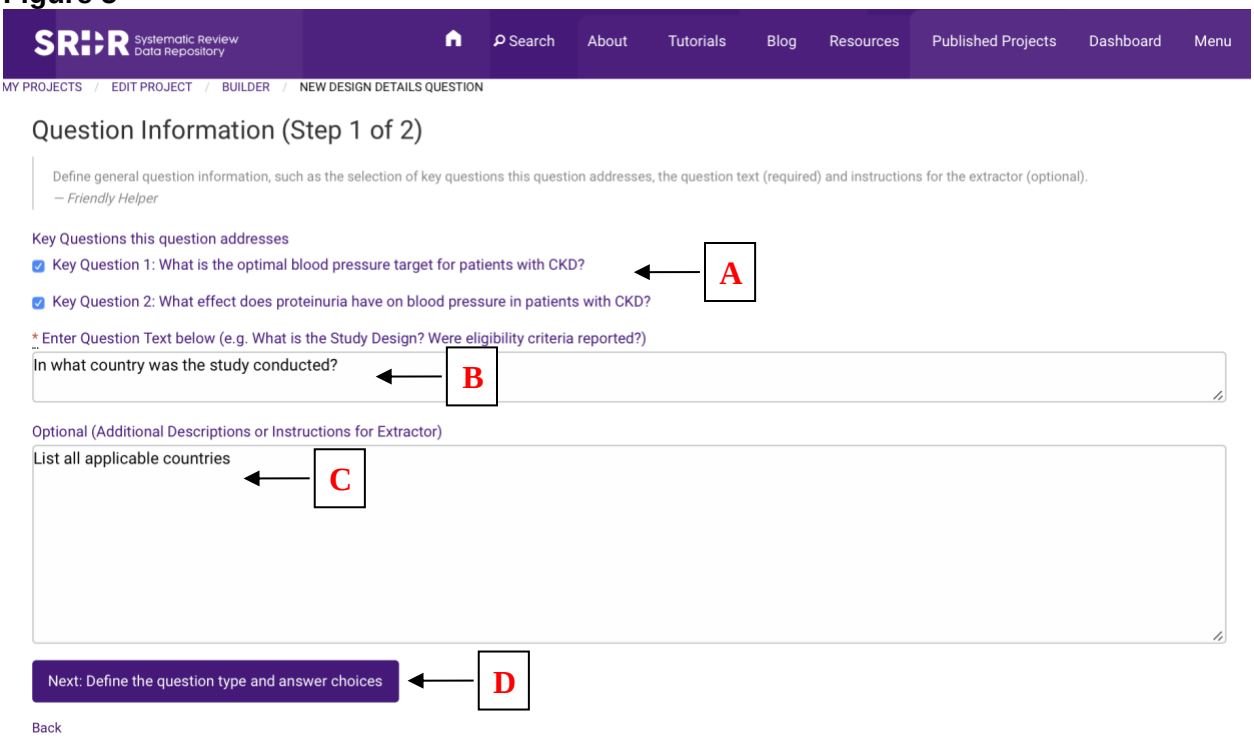
2. On the following page, both Key Questions 1 and 2 are selected by default (see item **A** in Figure 5). Note: If you want the upcoming question to only apply to one of the Key Questions, you can un-select the other Key Question.

3. In the field labeled **Enter Question Text below** enter *In what country was the study conducted?* (see item **B** in Figure 5).

4. In the field labeled **Optional** enter *List all applicable countries* (see item **C** in Figure 5).

5. Click **Next: Define the question type and answer choices** (see item **D** in Figure 5).

Figure 5

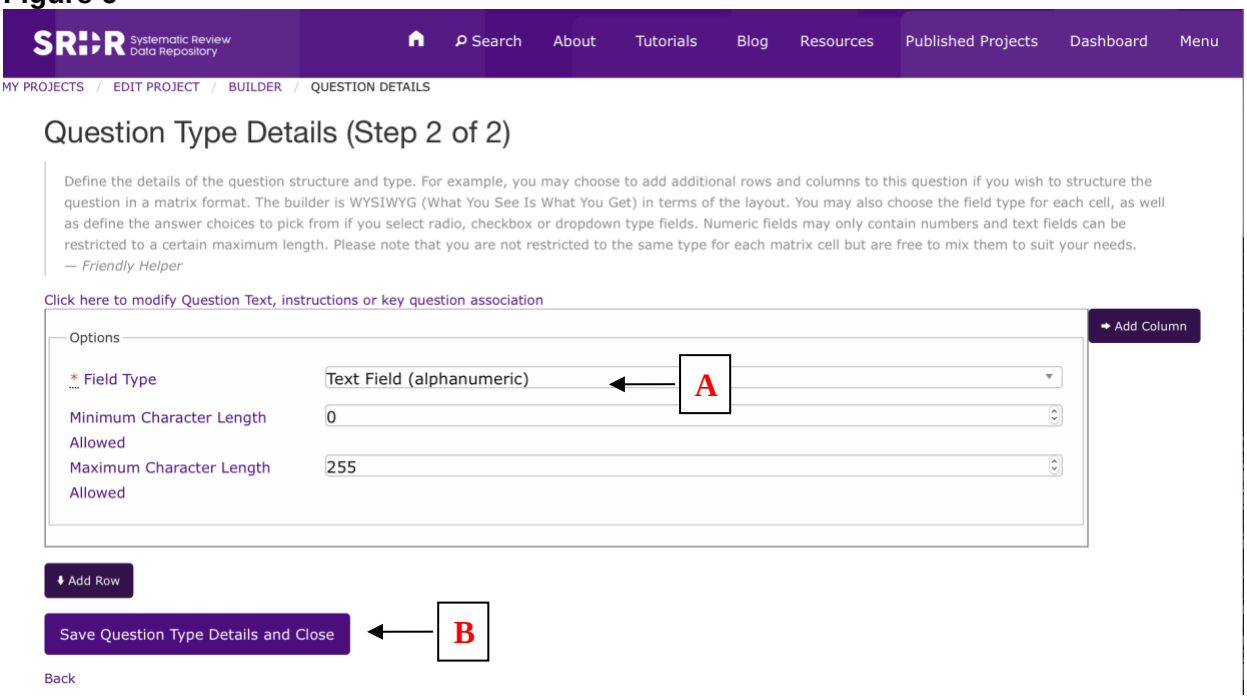


6. Choose field type: **Text Field** for the question type using the drop-down list in the Options box (see item **A** in Figure 6). You can keep the **Minimum Length** and **Maximum Length** defaults (0 and 255).

7. Click **Save Question Type Details and Close** (see item **B** in Figure 6).

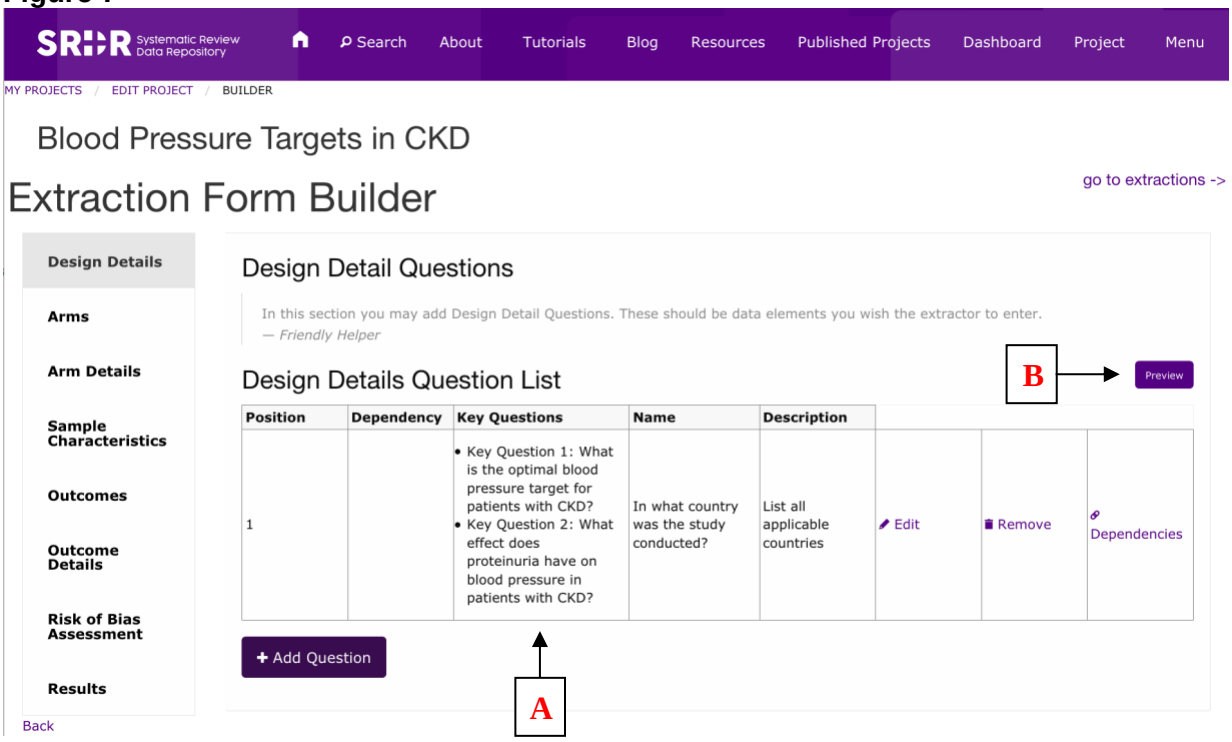
Besides text, try playing around with different types of questions. Through this, you can allow data extractors to respond through one or more of a number of possible answer choices via drop-down lists, radio buttons, and/or check boxes.

Figure 6



8. The newly defined question will appear on the Design Details section under the **Design Details Question List** (see item A in Figure 7)

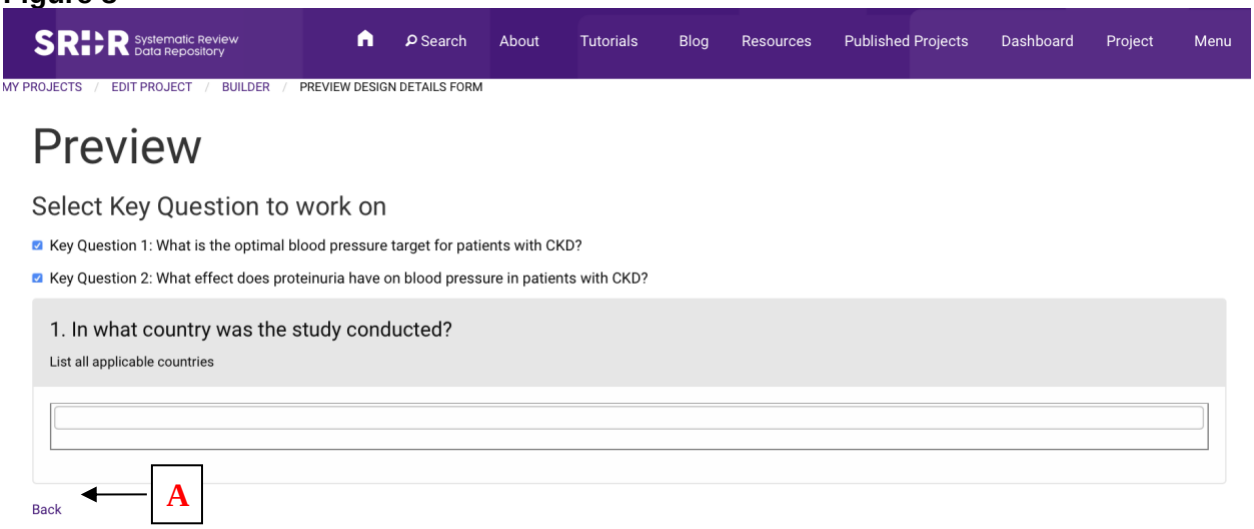
Figure 7



9. Click **Preview** to see how the questions listed under the **Design Details Question List** (see item **B** in Figure 7) will appear on the extraction form (see Figure 8).

10. Click **Back** to return to the Design Details question list (see item **A** in Figure 8).

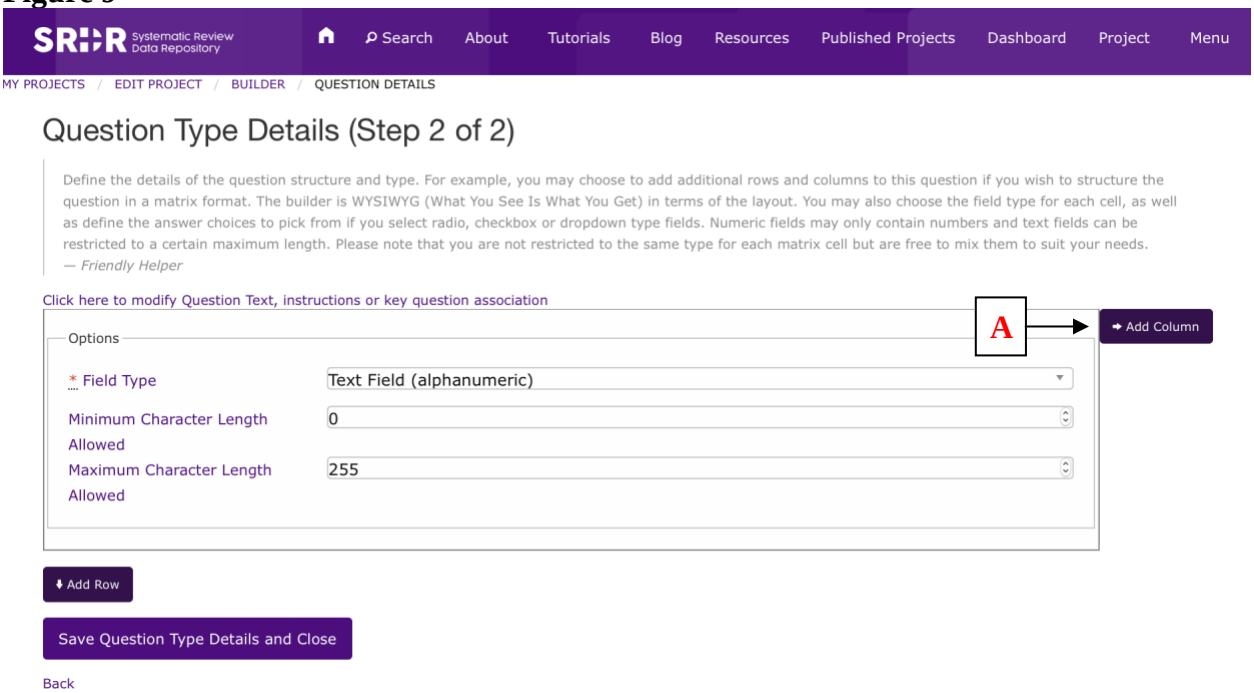
Figure 8



11. Now, let's add another question. To do so, Click **+Add Question,** then enter into Question Text, "*Inclusion criteria of study*". Then, click **Next: Define the question type and answer choices**

12. Include 2 columns using the **Add Column** button (see item **A** in Figure 9). Ensure that all cells of the resulting table, have field type: **Text Field (alphanumeric)**.

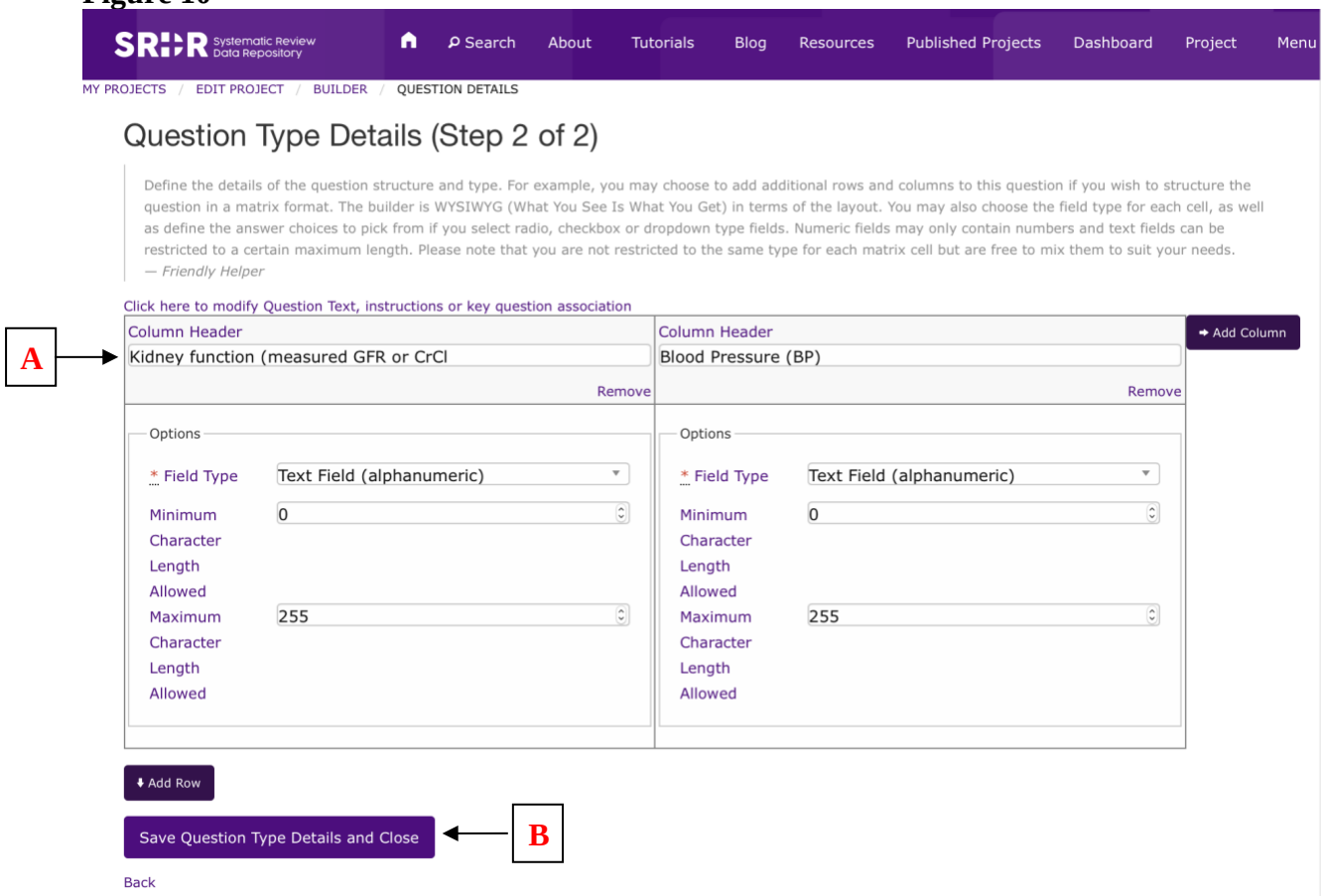
Figure 9



13. In the column headers, enter *Kidney function (measured GFR or CrCl)* for the first column and *Blood Pressure (BP)* in the other column. (see item **A** in Figure 10)

14. Click **Save Question Type Details and Close** (see item **B** in Figure 10)

Figure 10

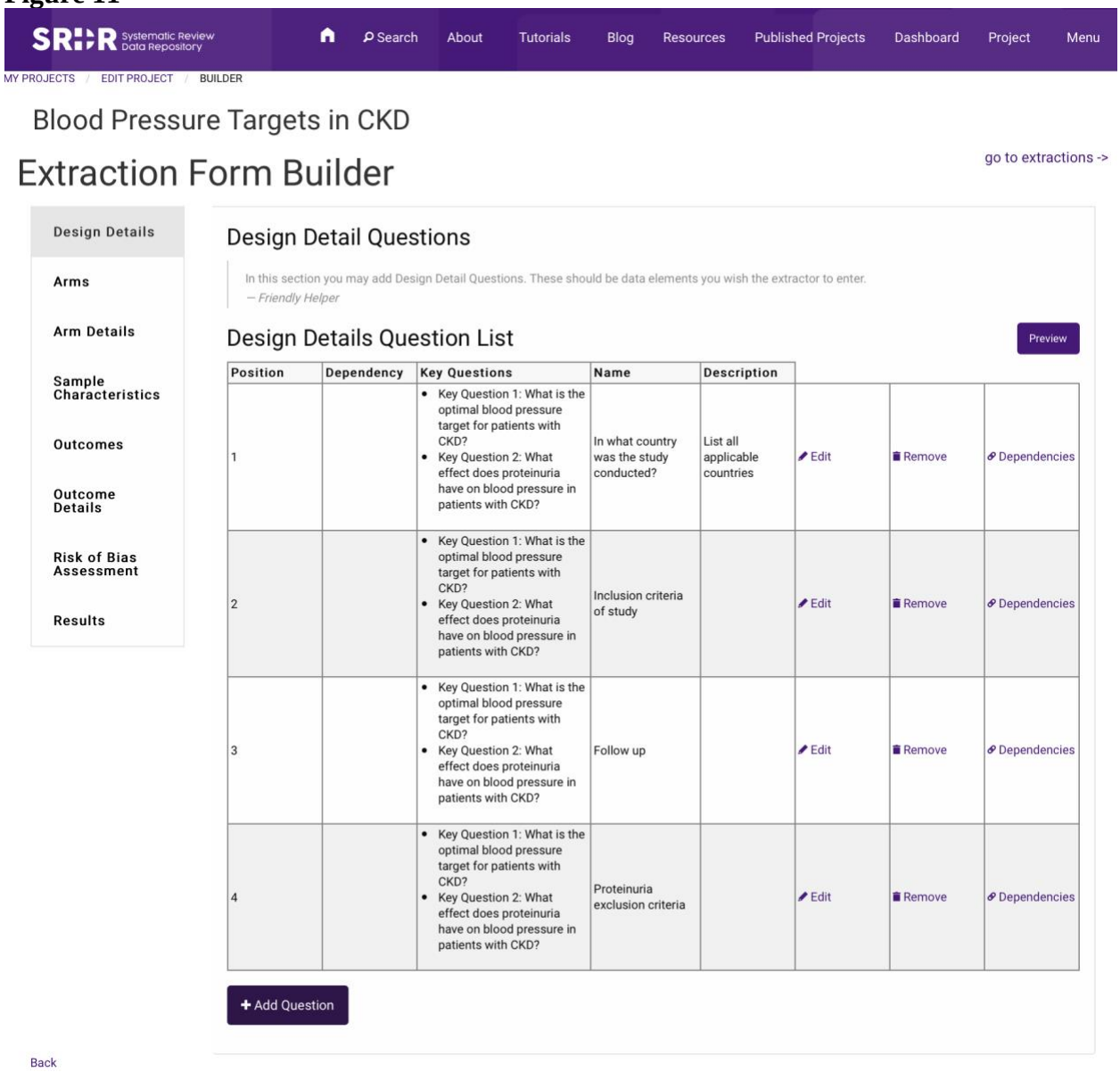


15. Review the Design Detail questions you've added for accuracy, and when satisfied, click **+Add Question**.

16. Repeat Steps 1 through 7, adding *Follow up* and *Proteinuria exclusion criteria* as Text Field questions addressing both key questions 1 and 2.

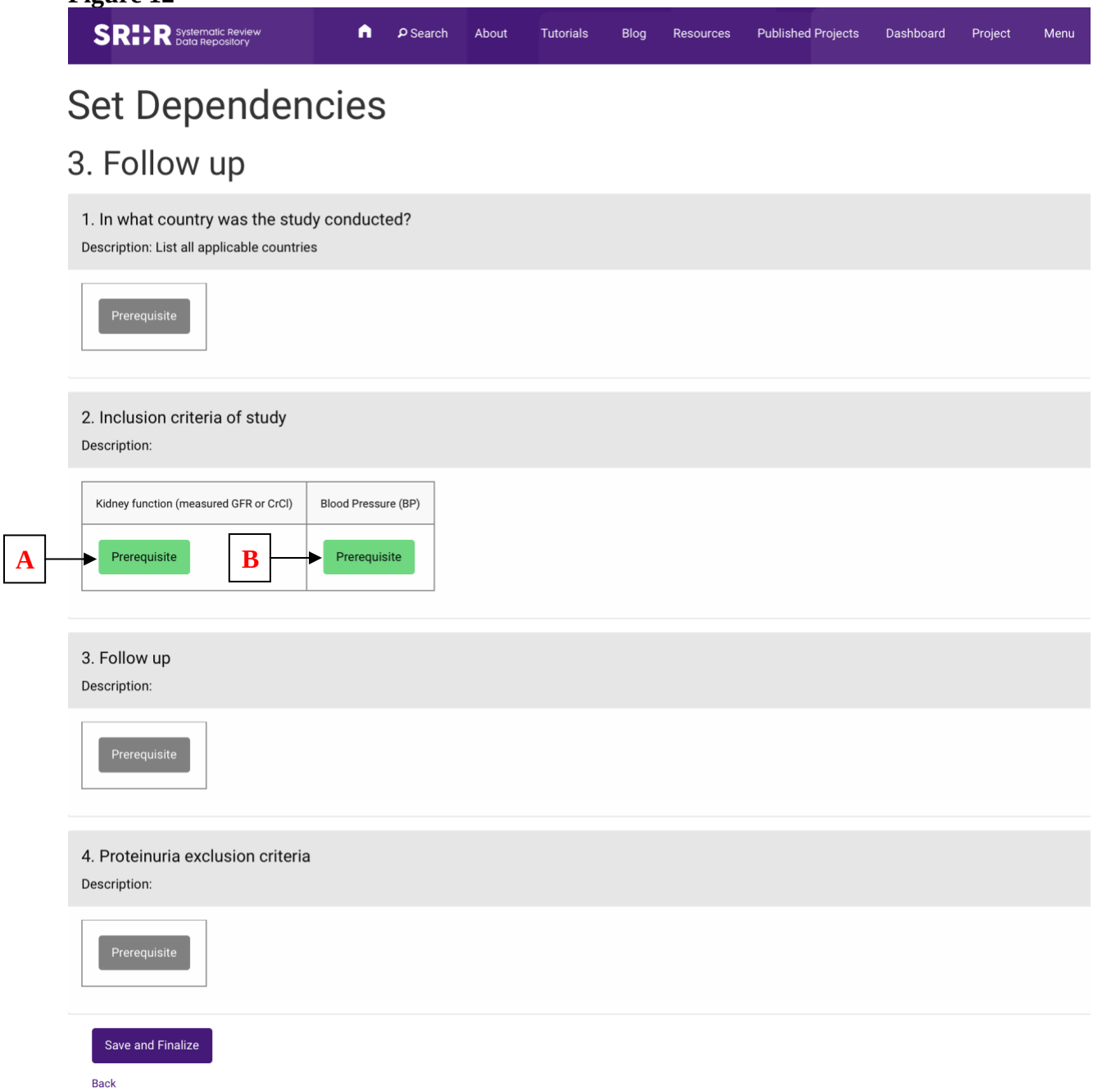
17. Once completed, the updated **Design Details Question List** should appear as seen in Figure 11.

Figure 11



18. Add the following dependencies
    α. Make the appearance of the *Follow up* question, dependent upon *Inclusion criteria of study.* To begin, click on the **Dependencies** link in the row for the *Follow up* question.
    β. On the next page, click the "Prerequisite" boxes for Kidney Function and Blood Pressure. These boxes should now turn green (see items **A** and **B** in Figure 12).

Figure 12



19. Click **Save and Finalize.**

20. Once completed, the **Design Details Question List**, with the dependencies you just created, should appear as seen in Figure 13.

Figure 13

Design Details

Arms

Arm Details

Sample Characteristics

Outcomes

Outcome Details

Risk of Bias Assessment

Results

Design Detail Questions

In this section you may add Design Detail Questions. These should be data elements you wish the extractor to enter.
— *Friendly Helper*

Design Details Question List

Preview

Position	Dependency	Key Questions	Name	Description			
1		• Key Question 1: What is the optimal blood pressure target for patients with CKD? • Key Question 2: What effect does proteinuria have on blood pressure in patients with CKD?	In what country was the study conducted?	List all applicable countries	Edit	Remove	Dependencies
2		• Key Question 1: What is the optimal blood pressure target for patients with CKD? • Key Question 2: What effect does proteinuria have on blood pressure in patients with CKD?	Inclusion criteria of study		Edit	Remove	Dependencies
3	Question: 2 - Cell: (x Kidney function (measured GFR or CrCl)) Question: 2 - Cell: (x Blood Pressure (BP))	• Key Question 1: What is the optimal blood pressure target for patients with CKD? • Key Question 2: What effect does proteinuria have on blood pressure in patients with CKD?	Follow up		Edit	Remove	Dependencies
4		• Key Question 1: What is the optimal blood pressure target for patients with CKD? • Key Question 2: What effect does proteinuria have on blood pressure in patients with CKD?	Proteinuria exclusion criteria		Edit	Remove	Dependencies

+ Add Question

Back

B-2. Arms section

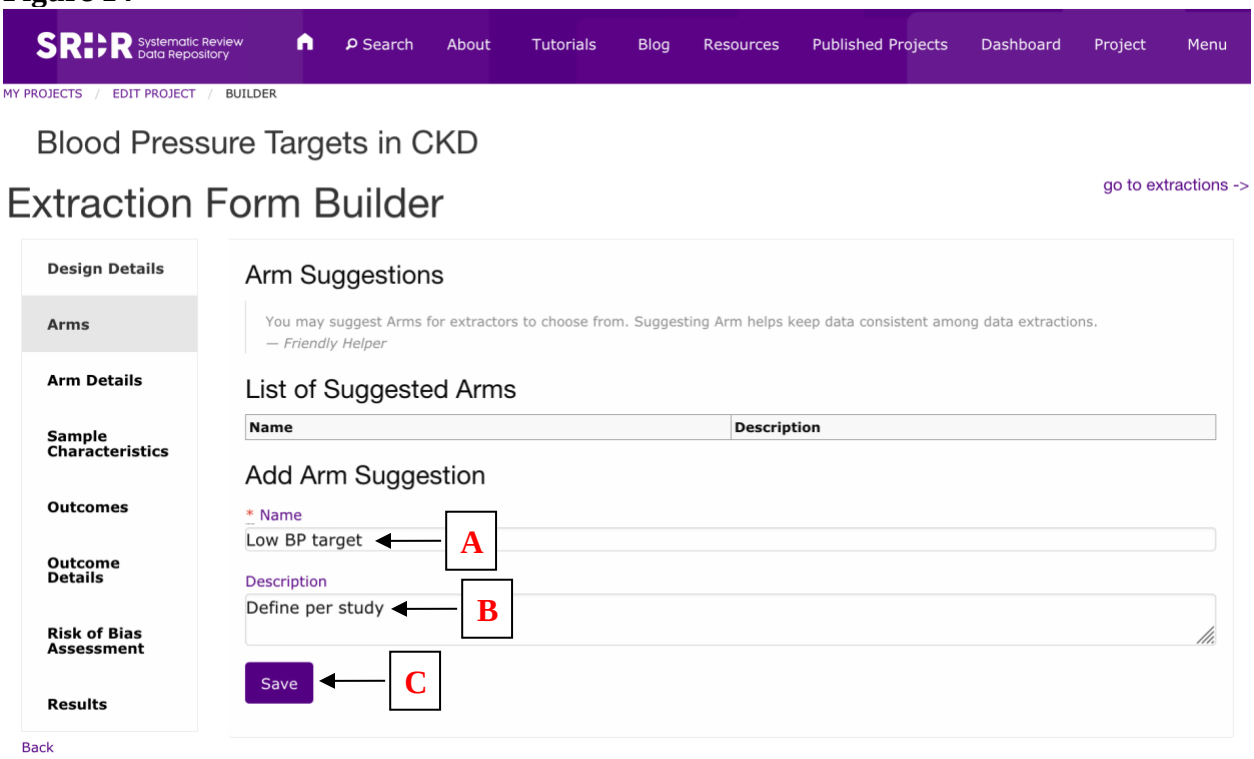
Please note: Specification of arms may be left to individual data extractors. However, to add suggested arm names to the Arms section of the extraction form, follow the steps below:

1. Click on the **Arms** tab.

2. On the following page, enter the following information (see items **A & B** in Figure 14).
   - **Name:** *Low BP target*
   - **Description:** *Define per study*

3. Click **Save** (see item **C** in the Figure 14).

Figure 14

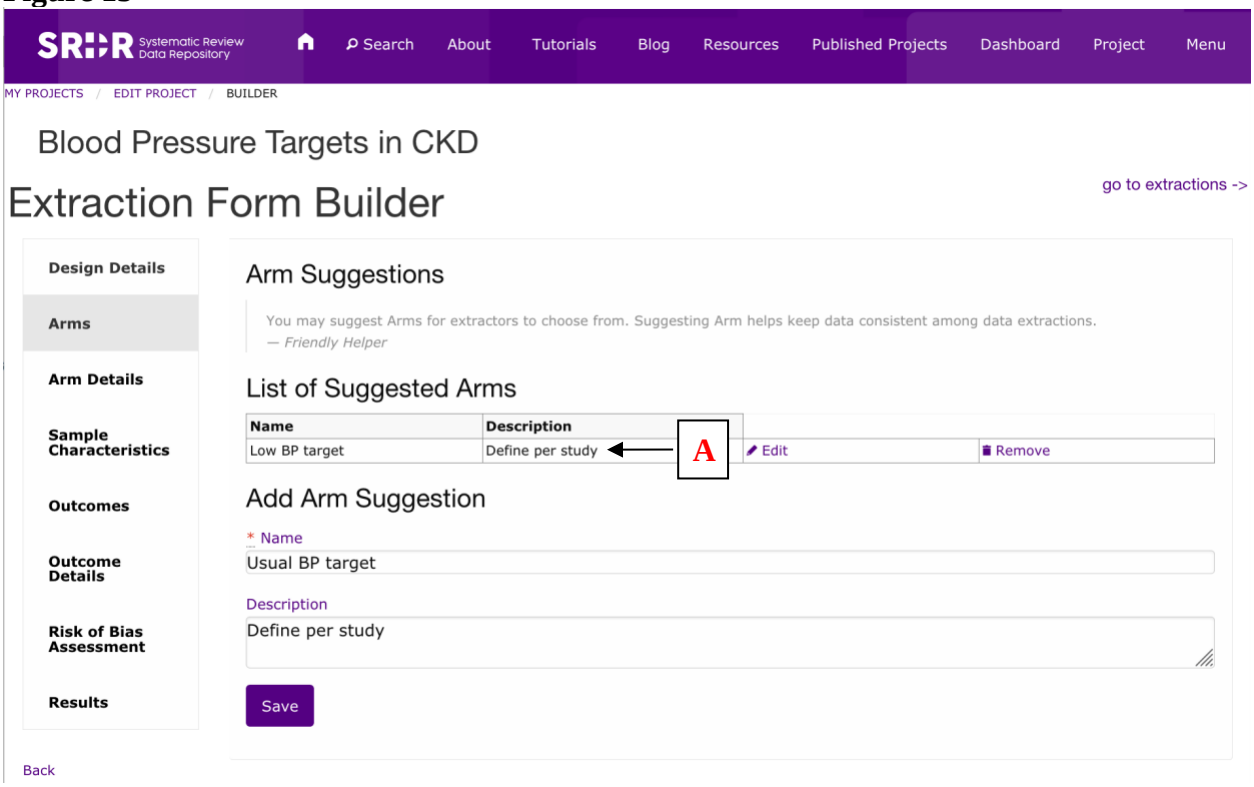


4. The newly entered arm name and description will now appear in the List of Suggested Arms table (see item **A** in Figure 15).

5. Now try adding another arm, as follows.:
   - **Name:** *Usual BP target*
   - **Description:** *Define per study*

Once you've added and saved the new arm, both arms along with their descriptions now appear in the List of Suggested Arms table.

Figure 15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Blood Pressure Targets in CKD
Extraction Form Builder
go to extractions ->
Design Details
Arms
Arm Details
Sample Characteristics
Outcomes
Outcome Details
Risk of Bias Assessment
Results
Arm Suggestions
You may suggest Arms for extractors to choose from. Suggesting Arm helps keep data consistent among data extractions.
— Friendly Helper
List of Suggested Arms
Name
Description
Low BP target
Define per study
A
Edit
Remove
Add Arm Suggestion
* Name
Usual BP target
Description
Define per study
Save
Back

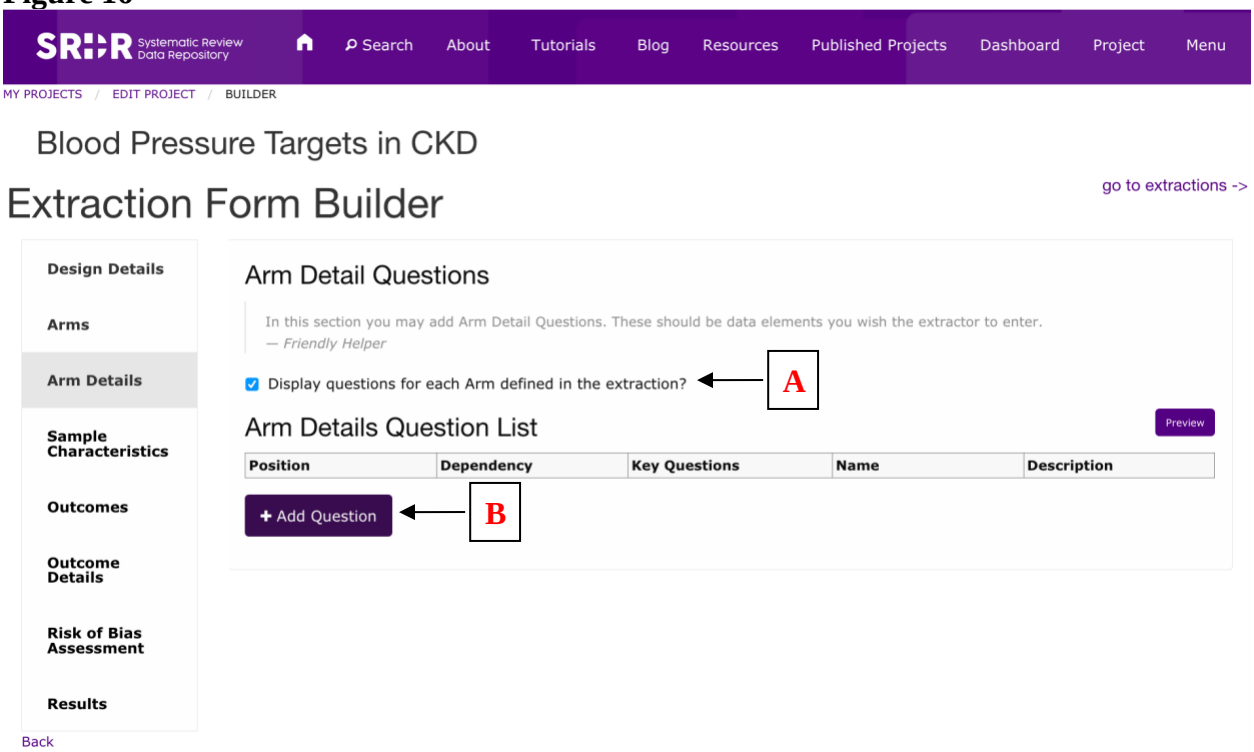
B-3. Arm Details section

1. The **Arm Details** section is generally for specific questions related to the arms/interventions in the study.

2. You have the option to repeat these specific questions for each arm defined in a study or to leave them un-repeated. Note: By default, the checkbox next to **Display questions for each Arm defined in the extraction?**, will be selected. If you unselect the checkbox, each question will only be listed once on the extraction form regardless if multiple arms were defined in the extraction.

For the purposes of this training case, please keep the checkbox next to **Display questions for each Arm defined in the extraction?,** selected (see item **A** in Figure 16).

Figure 16



Note, Adding question fields to this section is done using the same steps for adding questions to the Design Details section.

3. Click **+Add Question** (see item **B** in Figure 16).

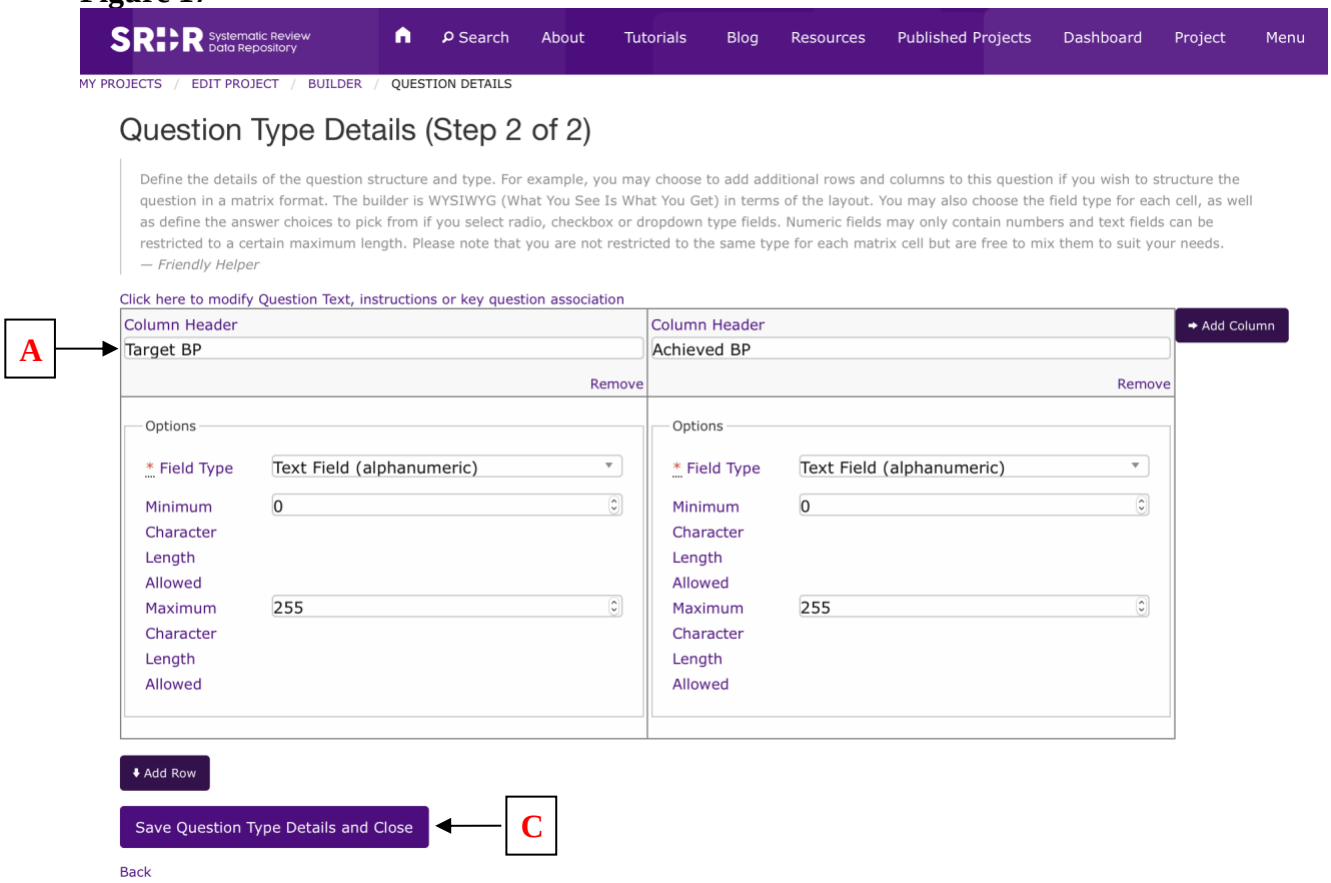
4. Enter Question Text, *BP measurements* and then click **Next: Define the question type and answer choices**

5. On the following page, choose the question type: **Text Field (alphanumeric)** from the drop-down list and Include 2 columns using the **Add Column** button.

6. In the Column Header boxes enter *Target BP* in one and *Achieved BP* in the other. (See item **A** in Figure 17). Remember to select Field Type as **Text Field** for both columns.

7. Click **Save Question Type Details and Close** (See item **C** in Figure 17).

Figure 17



B-4. Sample Characteristics section

1. The **Sample Characteristics** section is generally for specific questions related to the study participants, typically at baseline.

2. Also on the Sample Characteristics section, all questions are repeated for each arm defined in the extraction. By default, all questions in the section are also repeated for a "Total: all arms combined" arm.

For the purposes of this training case, please keep the checkbox next to **Include "Total: All Arms combined"**, selected**.**

3. Using the same instructions for adding question fields for the **Design** and **Arm Details** section, enter the following question fields to the Baseline section.

Table of data to enter:

Question text: *Demographics*	
Assign to Key Questions: 1 and 2	
Row Headers	
Race	**Field Type:** Text Field
Kidney Function	**Field Type:** Text Field
Proteinuria category	**Field Type:** Radio
	Answer Choice: *<300 mg/d*
	Answer Choice: *300-1000 mg/d*
	Answer Choice: *1000-5000 mg/d*
Question text: *Proteinuria criteria*	
Assign to Key Questions: 1 and 2	
Row Headers	
Mean	**Field Type:** Numeric (Max:3000)
SD	**Field Type:** Numeric (Max:3000)
Median	**Field Type:** Numeric (Max:3000)
IQR	**Field Type:** Numeric (Max: 3000)
Units	**Field Type:** Text Field

4. Review the two questions you've added to the Sample Characteristics Questions list by clicking **Preview** (see Figure 18). Click Back to return to the Sample Characteristics page of the Extraction Form Builder (see item **A** in Figure 18).

Figure 18

SRDR Systematic Review Data Repository
Search
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Published Projects
Dashboard
Menu
MY PROJECTS / EDIT PROJECT / BUILDER / PREVIEW SAMPLE CHARACTERISTICS FORM
Preview
Select Key Question to work on
Key Question 1: What is the optimal blood pressure target for patients with CKD?
Key Question 2: What effect does proteinuria have on blood pressure in patients with CKD?
1. Demographics
Total:
Race
Kidney Function
Proteinuria category
<300 mg/d
300-1000 mg/d
1000-5000 mg/d
Low BP target:
Race
Kidney Function
Proteinuria category
<300 mg/d
300-1000 mg/d
1000-5000 mg/d
Usual BP target:
Race
Kidney Function
Proteinuria category
<300 mg/d
300-1000 mg/d
1000-5000 mg/d
2. Proteinuria criteria
Total:
Mean
SD
Median
IQR
Units
Low BP target:
Mean
SD
Median
IQR
Units
Usual BP target:
Mean
SD
Median
IQR
Units
Back
A

B-5. Outcomes section

Please note: Specification of outcomes may be left to individual data extractors. However, to add suggested outcome names to the Outcomes tab of the extraction form, follow the steps below:

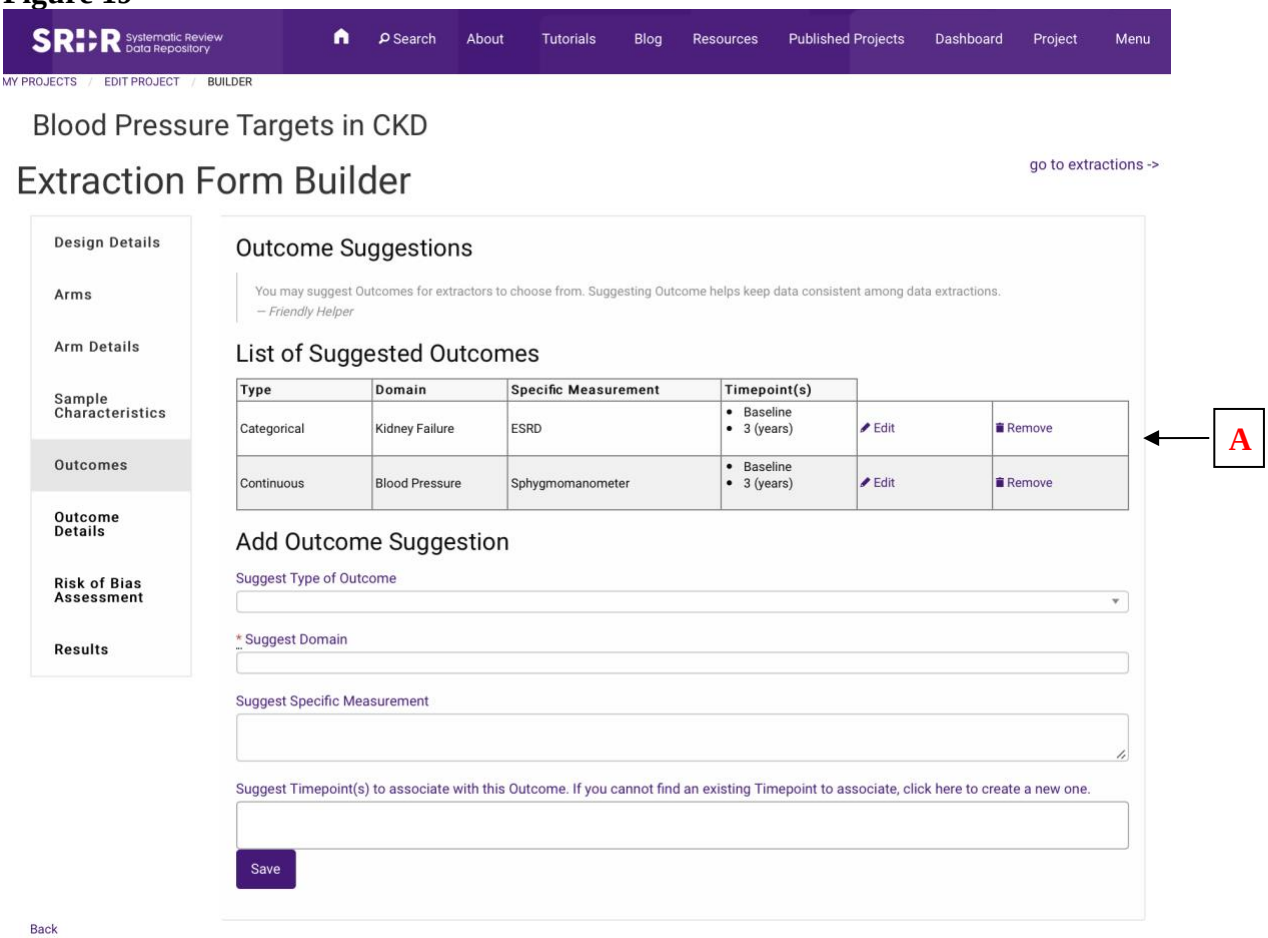
1. Enter the following outcome information in the appropriate fields (see Figure 19):
   - **Type of Outcome:** Select Categorical
   - **Suggest Domain:** *Kidney Failure*
   - **Suggest Specific Measurement:** *ESRD*
   - **Suggest Timepoint(s):** Select Baseline and 3 years

   - **Type of Outcome:** Select Continuous
   - **Suggest Domain:** *Blood Pressure*
   - **Suggest Specific Measurement:** *Sphygmomanometer*
   - **Suggest Timepoint(s):** Select Baseline and 3 years

2. Click **Save**.

3. The newly entered outcomes, their domain, type, specific measurement, and time-points will now appear in the List of Suggested Outcomes table (see item **A** in Figure 19).

Figure 19



B-6. Outcome Details section

1. The **Outcome Details** section is generally for specific questions related to the outcomes defined in the study.

2. You have the option to repeat these specific questions for each outcome defined in a study or to leave them un-repeated. Note: By default, the checkbox next to **Display questions for each Outcome defined in the extraction**, will be selected. If you unselect the checkbox, each question will only be listed once on the extraction form regardless of multiple outcomes being defined in the extraction.

For the purposes of this training case, please unselect the checkbox next to **Display questions for each Outcome defined in the extraction.**

3. Click **+Add Question.**

4. In the Enter Question Text field, enter *What is the primary outcome?* and click **Next: Define the Question type and answer choices.**

5. Select field type, **Text Field (alphanumeric)** and click **Save Question Type Details and Close.**

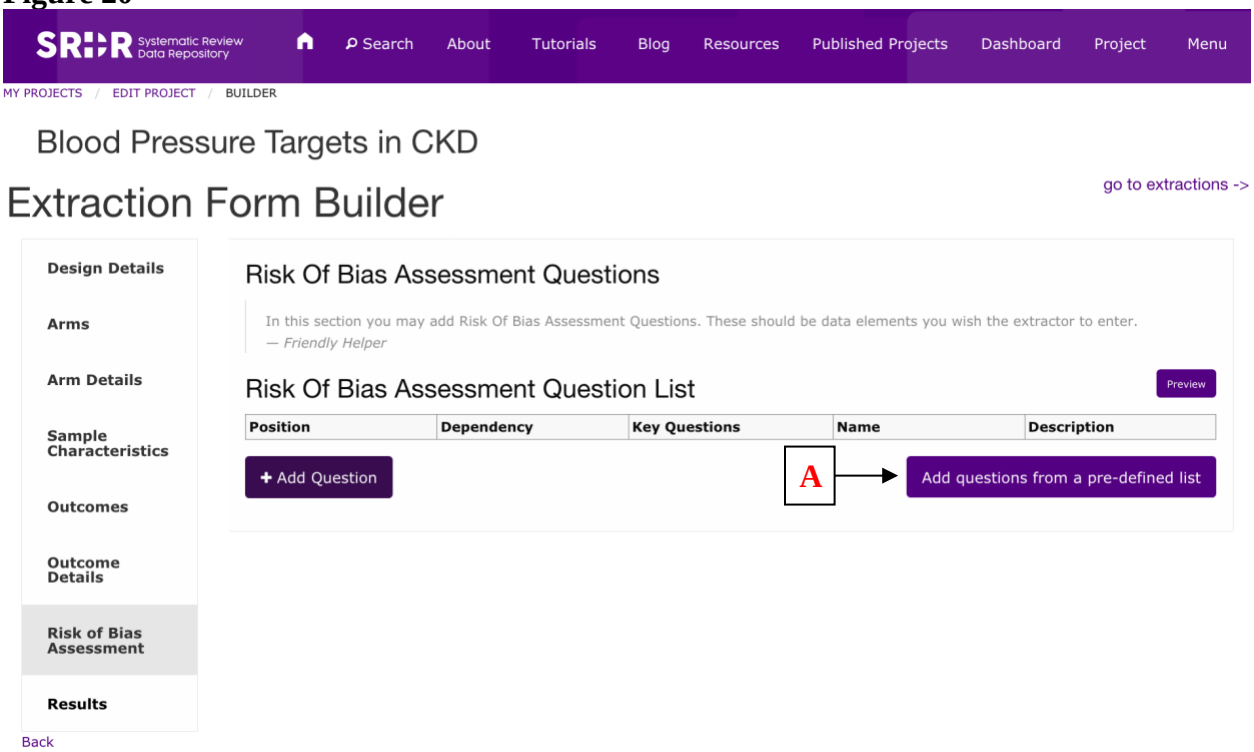
B-7. Risk of Bias Assessment section

1. In the **Risk of Bias Assessment** section, you may add questions in two ways. One way is to write your own questions using the **+Add Question** button just as you did for the previous extraction form sections. Another way is to select questions from a pre-defined list of Risk of Bias questions..

   For the purposes of this training case, we will add preselected Risk of Bias questions to this section.

2. To do so, click **Add questions from a pre-defined list** (see item **A** in Figure 20).

Figure 20



3. In the resulting pop-up, select **Randomized Studies** and then add ALL **Cochrane ROB** questions, by checking the box next to "Question Text" under **Cochrane ROB** (see item **A** in Figure 21).

4. Click **Submit** (see item **B** in Figure 21).

5. The new Risk of Bias questions with instructions should now appear under the **Risk of Bias Assessment Questions List** (as seen in Figure 22).

Figure 21

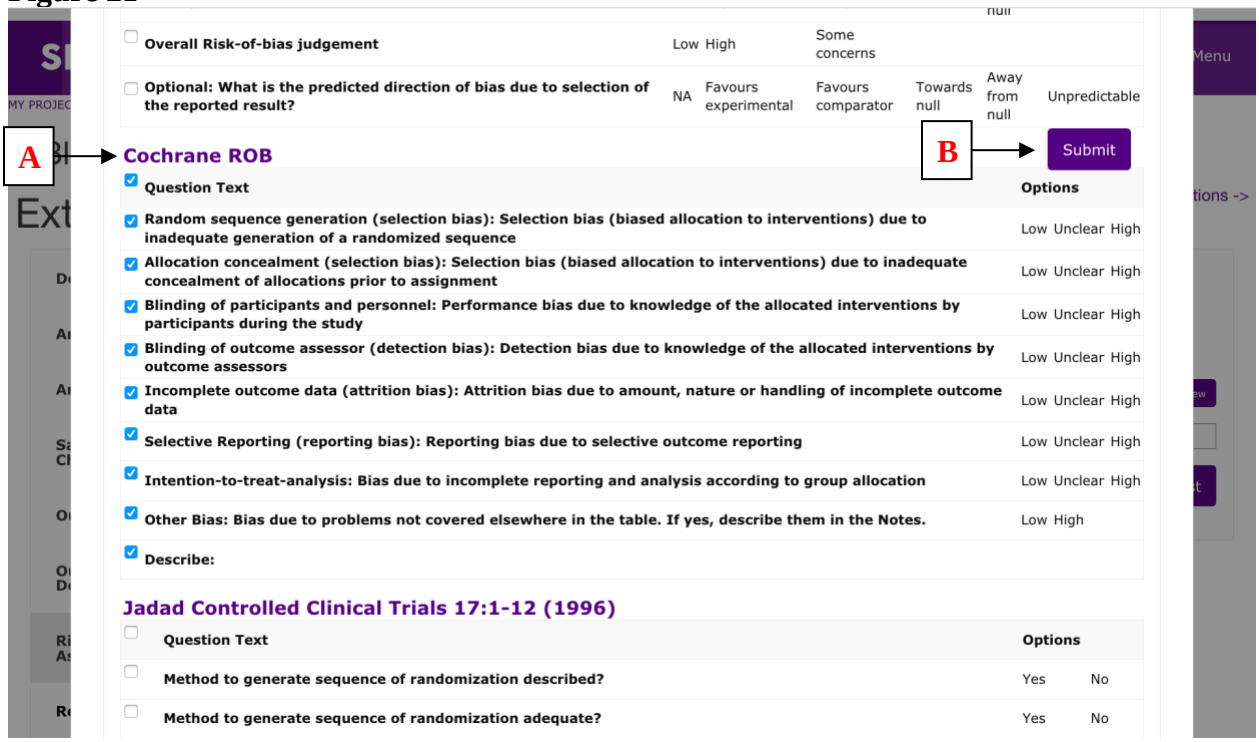

Overall Risk-of-bias judgement
Low High
Some concerns
Optional: What is the predicted direction of bias due to selection of the reported result?
NA
Favours experimental
Favours comparator
Towards null
Away from null
Unpredictable
A
Cochrane ROB
B
Submit
Question Text
Options
Random sequence generation (selection bias): Selection bias (biased allocation to interventions) due to inadequate generation of a randomized sequence
Low Unclear High
Allocation concealment (selection bias): Selection bias (biased allocation to interventions) due to inadequate concealment of allocations prior to assignment
Low Unclear High
Blinding of participants and personnel: Performance bias due to knowledge of the allocated interventions by participants during the study
Low Unclear High
Blinding of outcome assessor (detection bias): Detection bias due to knowledge of the allocated interventions by outcome assessors
Low Unclear High
Incomplete outcome data (attrition bias): Attrition bias due to amount, nature or handling of incomplete outcome data
Low Unclear High
Selective Reporting (reporting bias): Reporting bias due to selective outcome reporting
Low Unclear High
Intention-to-treat-analysis: Bias due to incomplete reporting and analysis according to group allocation
Low Unclear High
Other Bias: Bias due to problems not covered elsewhere in the table. If yes, describe them in the Notes.
Low High
Describe:
Jadad Controlled Clinical Trials 17:1-12 (1996)
Question Text
Options
Method to generate sequence of randomization described?
Yes No
Method to generate sequence of randomization adequate?
Yes No

Figure 22

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Blood Pressure Targets in CKD

Extraction Form Builder

go to extractions ->

- Design Details
- Arms
- Arm Details
- Sample Characteristics
- Outcomes
- Outcome Details
- Risk of Bias Assessment
- Results

Risk Of Bias Assessment Questions

In this section you may add Risk Of Bias Assessment Questions. These should be data elements you wish the extractor to enter.
— *Friendly Helper*

Risk Of Bias Assessment Question List

Preview

Position	Dependency	Key Questions	Name	Description			
1		• Key Question 1: What is the optimal blood pressure target for patients with CKD? • Key Question 2: What effect does proteinuria have on blood pressure in patients with CKD?	Random sequence generation (selection bias): Selection bias (biased allocation to interventions) due to inadequate generation of a randomized sequence	There is a low risk of selection bias if the investigators describe a random component in the sequence generation process such as: referring to a random number table, using a computer random number generator, coin tossing, shuffling cards or envelopes, throwing dice, drawing of lots, minimization (minimization may be implemented without a random element, and this is considered to be equivalent to being random). There is a high risk of selection bias if the investigators describe a non-random component in the sequence generation process, such as: sequence generated by odd or even date of birth, date (or day) of admission, hospital or clinic record number; or allocation by judgement of the clinician, preference of the participant, results of a laboratory test or a series of tests, or availability of the intervention.	Edit	Remove	Dependencies
2		• Key Question 1: What is the optimal blood pressure target for patients with CKD? • Key Question 2: What effect does proteinuria have on blood pressure in patients with CKD?	Allocation concealment (selection bias): Selection bias (biased allocation to interventions) due to inadequate concealment of allocations prior to assignment	There is a low risk of selection bias if the participants and investigators enrolling participants could not foresee assignment because one of the following, or an equivalent method, was used to conceal allocation: central allocation (including telephone, web-based and pharmacy-controlled randomization); sequentially numbered drug containers of identical appearance; or sequentially numbered, opaque, sealed envelopes. There is a high risk of bias if participants or investigators enrolling participants could possibly foresee assignments and thus introduce selection bias, such as allocation based on: using an open random allocation schedule (e.g. a list of random numbers); assignment envelopes were used without appropriate safeguards (e.g. if envelopes were unsealed or non-opaque or not sequentially numbered); alternation or rotation; date	Edit	Remove	Dependencies

B-8. Results section

There are no specific instructions for the Results tab because its get filled out by data extractors directly without pre-population during form building.

*Hooray!! You have completed the **CREATING A NEW EXTRACTION FORM** exercise!*

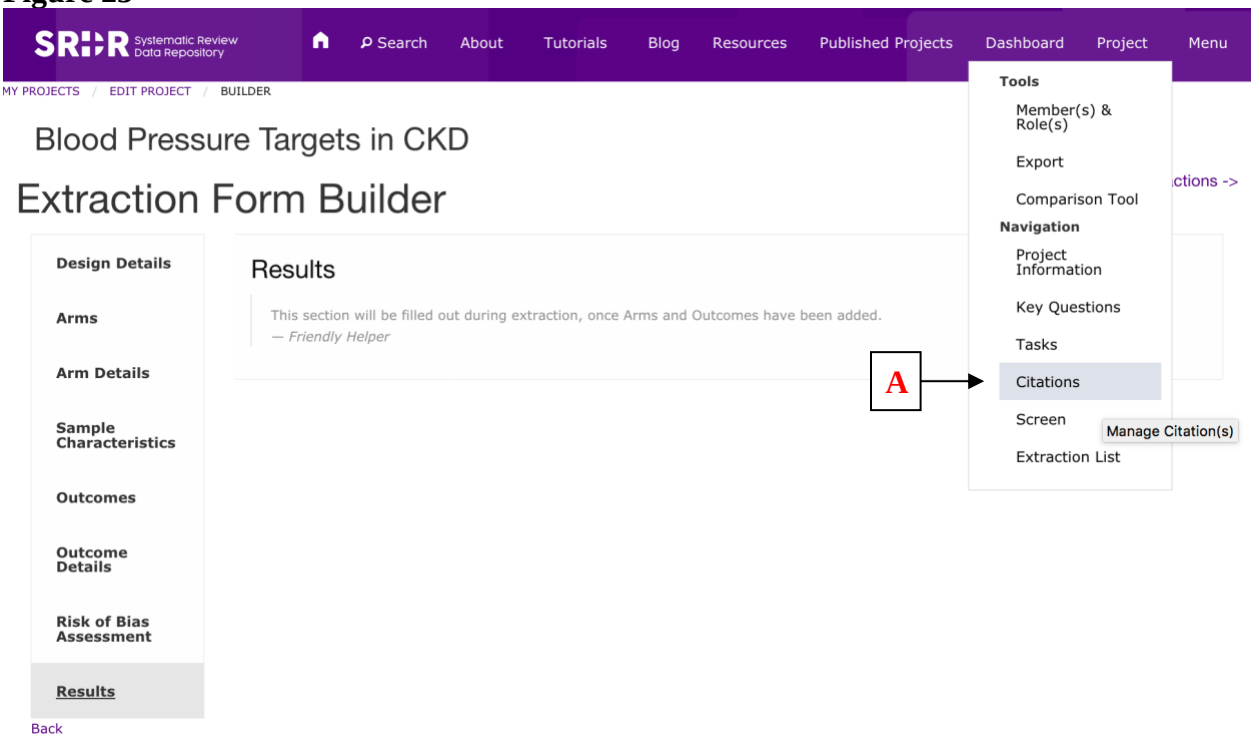
C. EXTRACTING STUDY DATA

In this exercise, you will extract study data into the extraction form you created in the previous exercise.

C-1. Creating a New Study Citation

1. Hover over **Project** located at the top right of the page. In the menu that opens up, click on **Citations** (see item **A** in Figure 23).

Figure 23



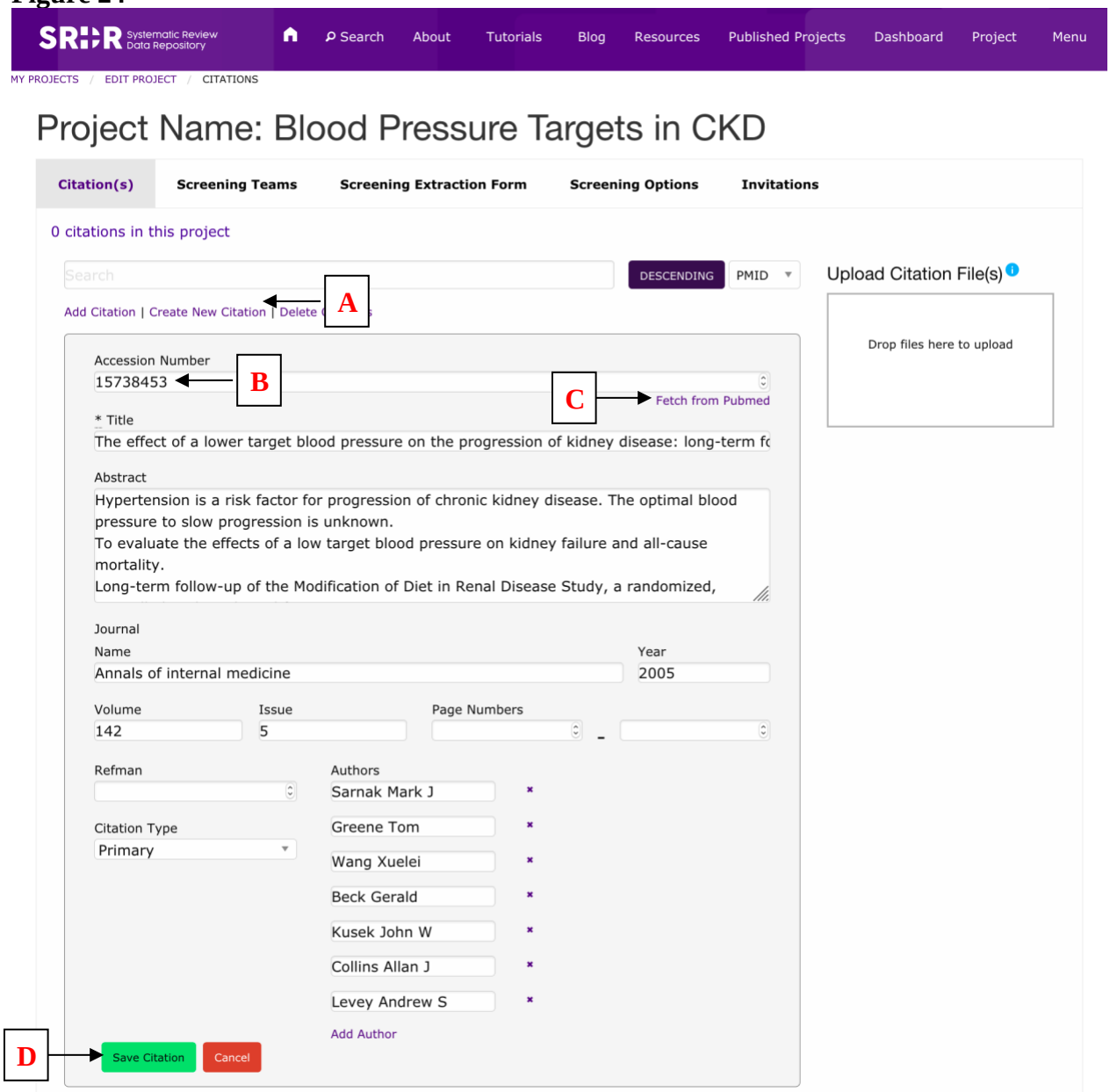
2. On the Citations page, click the **Create New Citation** link (see item **A** in Figure 24).

3. In the **Accession Number** field (see item **B** in Figure 24), enter the following PubMed ID: *15738453*

4. Click **Fetch from Pubmed** (see item **C** in Figure 24)

5. Click **Save Citation** (see item **D** in Figure 24). The citation is now fetched from PubMed and appears in the list of citations in this project.

Figure 24


SRDR Systematic Review Data Repository
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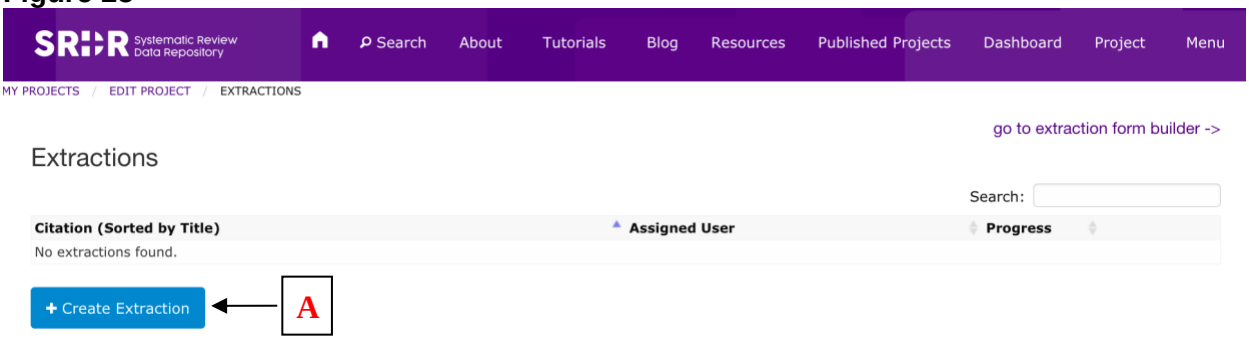
MY PROJECTS / EDIT PROJECT / CITATIONS
Project Name: Blood Pressure Targets in CKD
Citation(s)
Screening Teams
Screening Extraction Form
Screening Options
Invitations
0 citations in this project
Search
DESCENDING
PMID
Upload Citation File(s)
Add Citation | Create New Citation | Delete
A
Drop files here to upload
Accession Number
15738453
B
C
Fetch from Pubmed
* Title
The effect of a lower target blood pressure on the progression of kidney disease: long-term fc
Abstract
Hypertension is a risk factor for progression of chronic kidney disease. The optimal blood pressure to slow progression is unknown.
To evaluate the effects of a low target blood pressure on kidney failure and all-cause mortality.
Long-term follow-up of the Modification of Diet in Renal Disease Study, a randomized,
Journal
Name
Annals of internal medicine
Year
2005
Volume
142
Issue
5
Page Numbers
Refman
Citation Type
Primary
Authors
Sarnak Mark J
Greene Tom
Wang Xuelei
Beck Gerald
Kusek John W
Collins Allan J
Levey Andrew S
Add Author
D
Save Citation
Cancel

C-2. Adding a Citation to the Extraction Form

1. Hover over **Project** located at the top right of the page. In the menu that opens up, click on **Extraction List.**

2. On the **Extractions** page, click **+Create Extraction** (see item **A** in Figure 25).

Figure 25

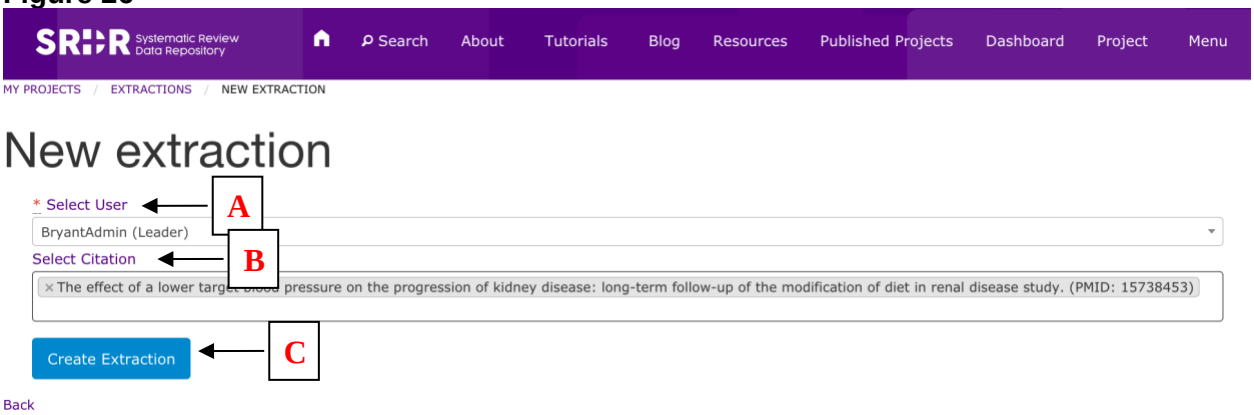


3. On the Extractions page, under **Select User**, select your SRDR user account name (see item **A** in Figure 26).

4. Under **Select Citation**, select the citation title: *The Effect of a lower target blood pressure on the progression of kidney disease: long-term follow-up of the modification of diet in renal disease study* (see item **B** in Figure 26).

5. Click **Create Extraction** (see item **C** in Figure 26).

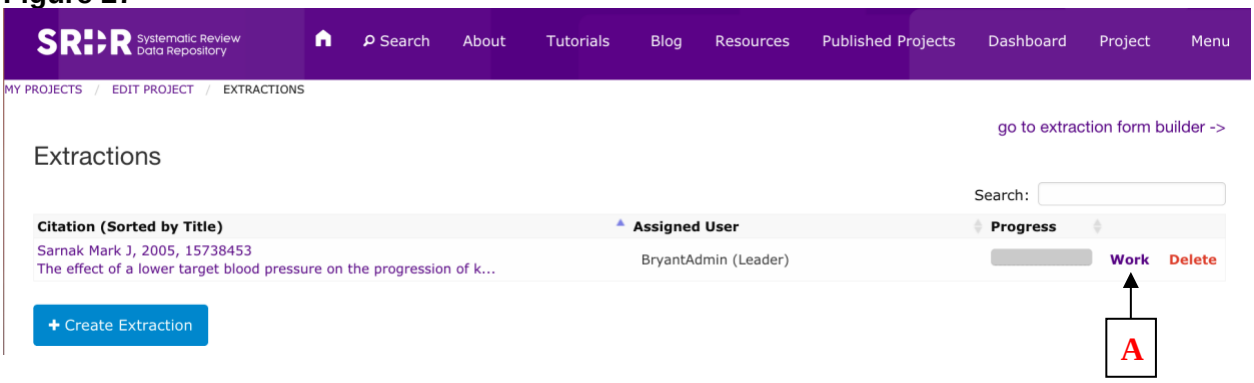
Figure 26



C-3. Extracting data from the Citation into the Extraction Form

1. On the Following page, under Extractions, click the **Work** link (see item A in Figure 27):

Figure 27



C-4. Design Details section

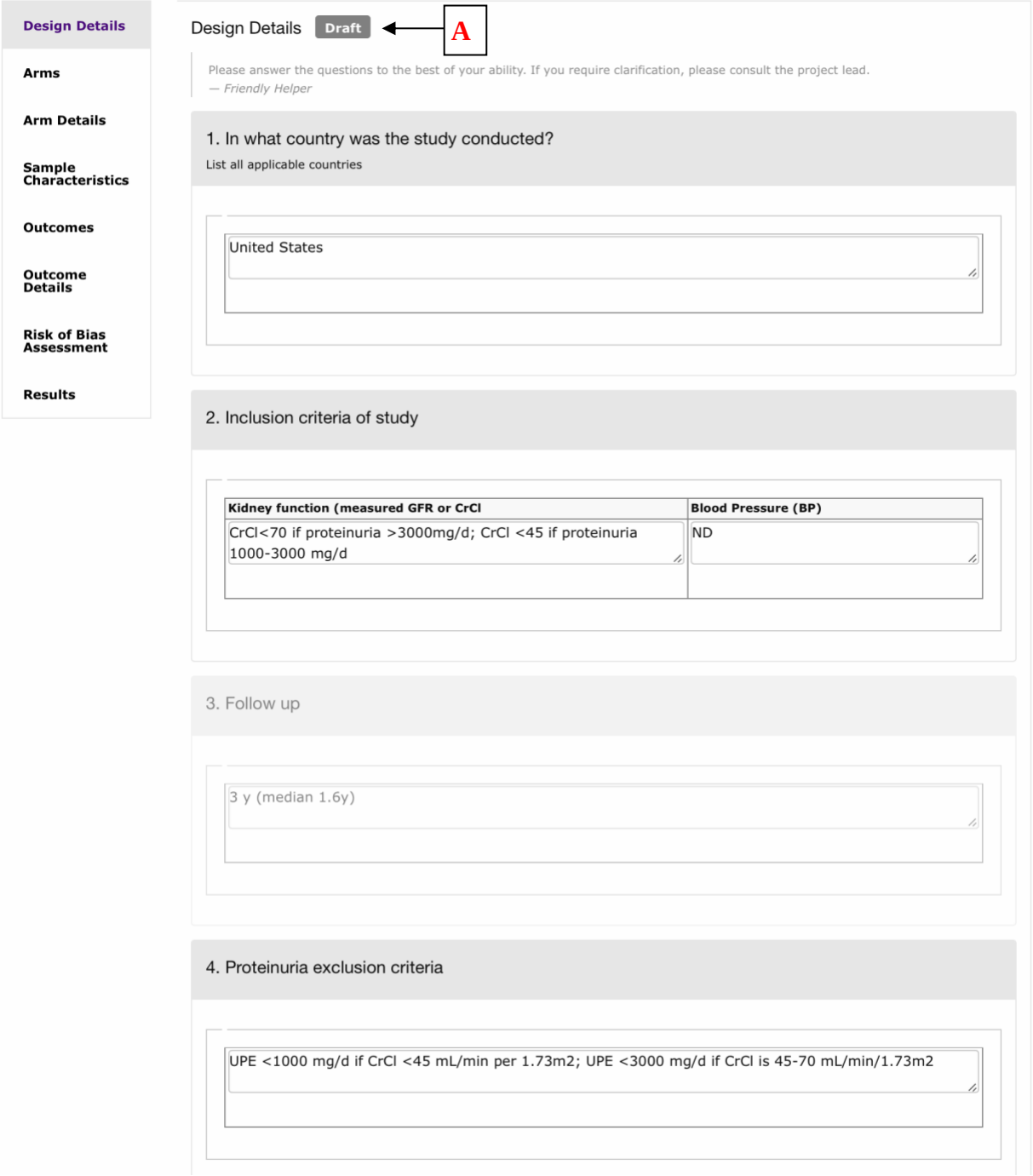
1. On the **Design Details** section of the extraction form, fill in the following information (see Figure 28):

Question 1, **Question text:** In what country was the study conducted?	
Data to be entered:	*United States*
Question 2, **Question text**: Inclusion criteria of the study	
Data to be entered:	Kidney function: *CrCl<70 if proteinuria >3000mg/d; CrCl <45 if proteinuria 1000-3000 mg/d*
	BP: *ND*
Question 3, **Question text**: Follow up	
Data to be entered:	*3 y (median 1.6y)*
Question 4, **Question text**: Proteinuria exclusion criteria	
Data to be entered:	*UPE <1000 mg/d if CrCl <45 mL/min per 1.73m2; UPE <3000 mg/d if CrCl is 45-70 mL/min/1.73m2*

2. Please review your responses (they will be automatically saved) and then move onto the **Arms** section of the extraction form.

   Note: Click on **Draft** located at the top of each section in this extraction form (see item **A** in Figure 28), to flag that you have completed this section. Your progress for each extraction will be recorded in the progress bar on the Extractions page of your project.

Figure 28

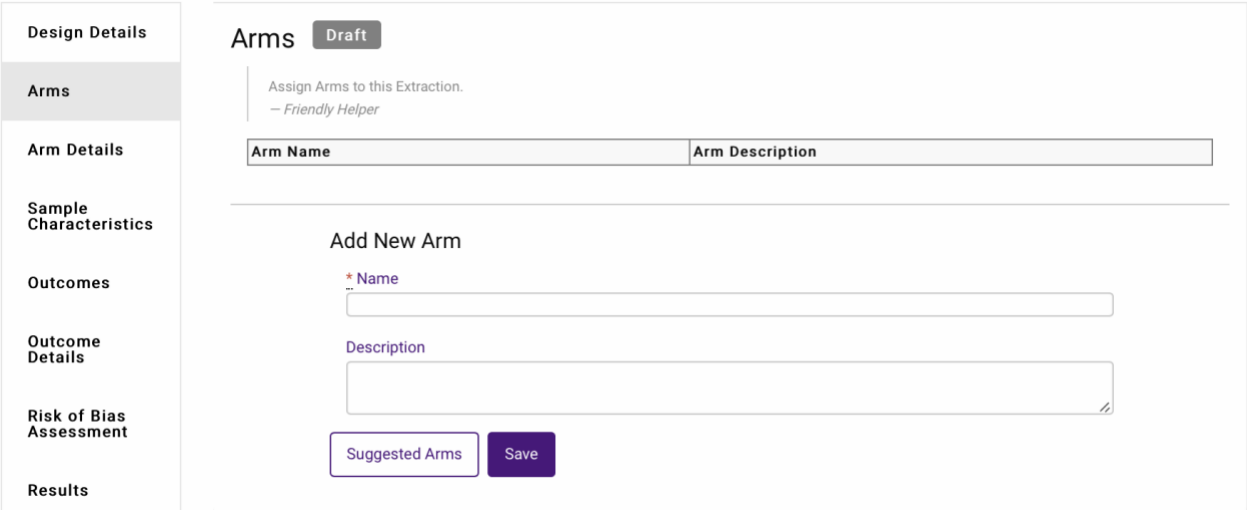

Design Details
Arms
Arm Details
Sample Characteristics
Outcomes
Outcome Details
Risk of Bias Assessment
Results
Design Details
Draft
A
Please answer the questions to the best of your ability. If you require clarification, please consult the project lead.
— Friendly Helper
1. In what country was the study conducted?
List all applicable countries
United States
2. Inclusion criteria of study
Kidney function (measured GFR or CrCl
Blood Pressure (BP)
CrCl<70 if proteinuria >3000mg/d; CrCl <45 if proteinuria 1000-3000 mg/d
ND
3. Follow up
3 y (median 1.6y)
4. Proteinuria exclusion criteria
UPE <1000 mg/d if CrCl <45 mL/min per 1.73m2; UPE <3000 mg/d if CrCl is 45-70 mL/min/1.73m2

C-5. Arms section

1. On the **Arms** Section, click on **Suggested Arms** for a list of sample names and descriptions (see item **A** in Figure 29). In the window that pops up, click on **Usual BP target**. In the Description field, replace "Define per study" with *130/80.* Click **Save**.

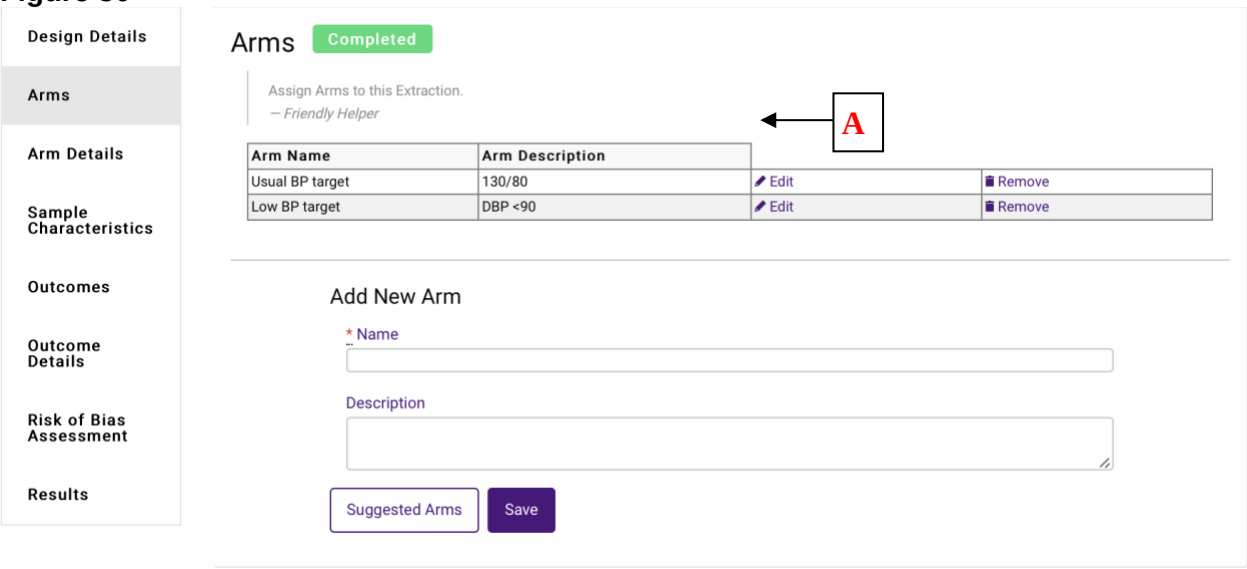
2. Similarly, add the second suggested arm (Low BP target) with the Description *DBP <90.* Then, click **Save**.

Figure 29



3. The newly entered arm information will now appear in the **Arms included in this Extraction** table (see item **A** in Figure 30).

Figure 30

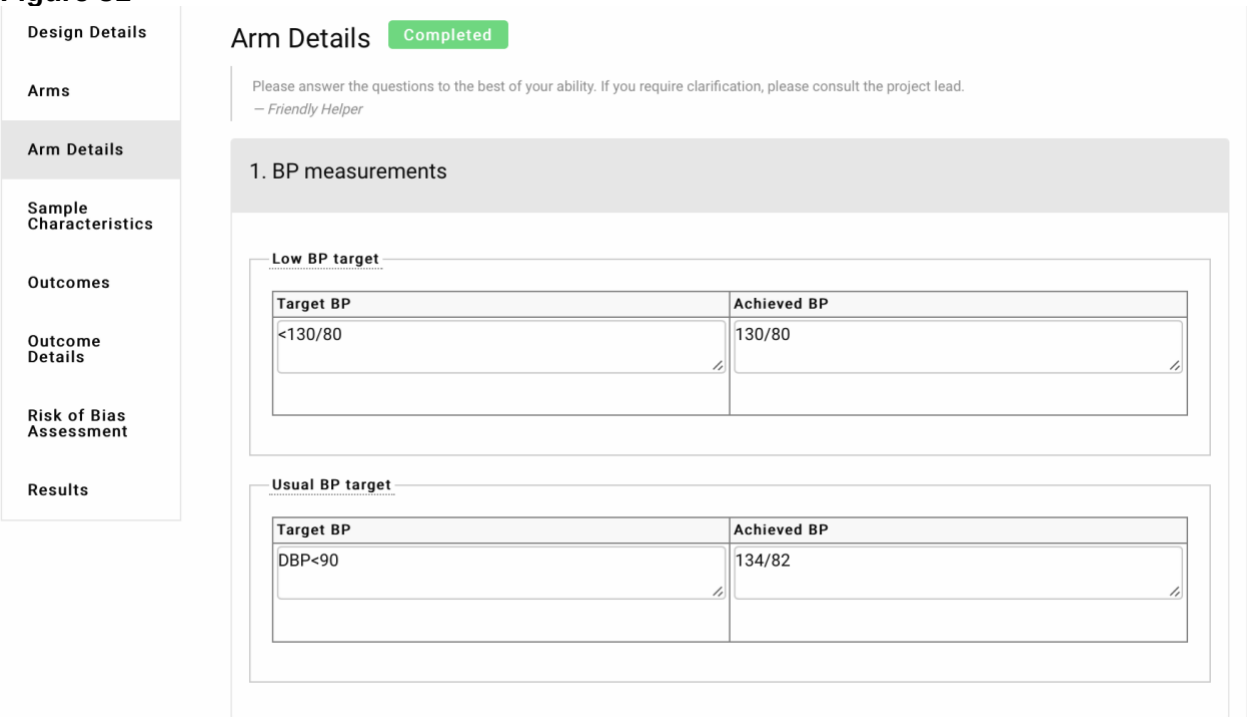


C-6. Arm Details section

1. On the **Arm Details** section, enter in the following data (see Figure 31).

Arm	Target BP	Achieved BP
Usual BP Target	*DBP<90*	*134/82*
Low BP Target	*<130/80*	*130/80*

Figure 31



2. Please review your responses (they will be automatically saved) and then move onto the **Sample Characteristics** section of the extraction form.

C-7. Sample Characteristics section

1. In the **Sample Characteristics** tab, enter in the following data:

Question text: Demographics			
Arm: Usual BP target	***Race:*** *ND*	***Kidney function:*** *34*	***Proteinuria category:*** *leave blank*
Arm: Low BP target	***Race:*** *ND*	***Kidney function:*** *36*	***Proteinuria category:*** *leave blank*

Question text: Proteinuria criteria					
Arm: Usual BP target	***Mean:*** *2900*	***SD:*** *1900*	***Median:*** *leave blank*	***IQR:*** *leave blank*	***Units:*** *mg/dl*
Arm: Low BP target	***Mean:*** *2800*	***SD:*** *2000*	***Median:*** *leave blank*	***IQR:*** *leave blank*	***Units:*** *mg/dl*

2. Please review your responses (they will be automatically saved) and then move onto the **Outcomes** section of the extraction form.

C-8. Outcomes section

1. On the **Outcomes** section, click **Suggested Outcome** (see item **A** in Figure 34) and on the resulting pop-up click **Kidney Failure.**

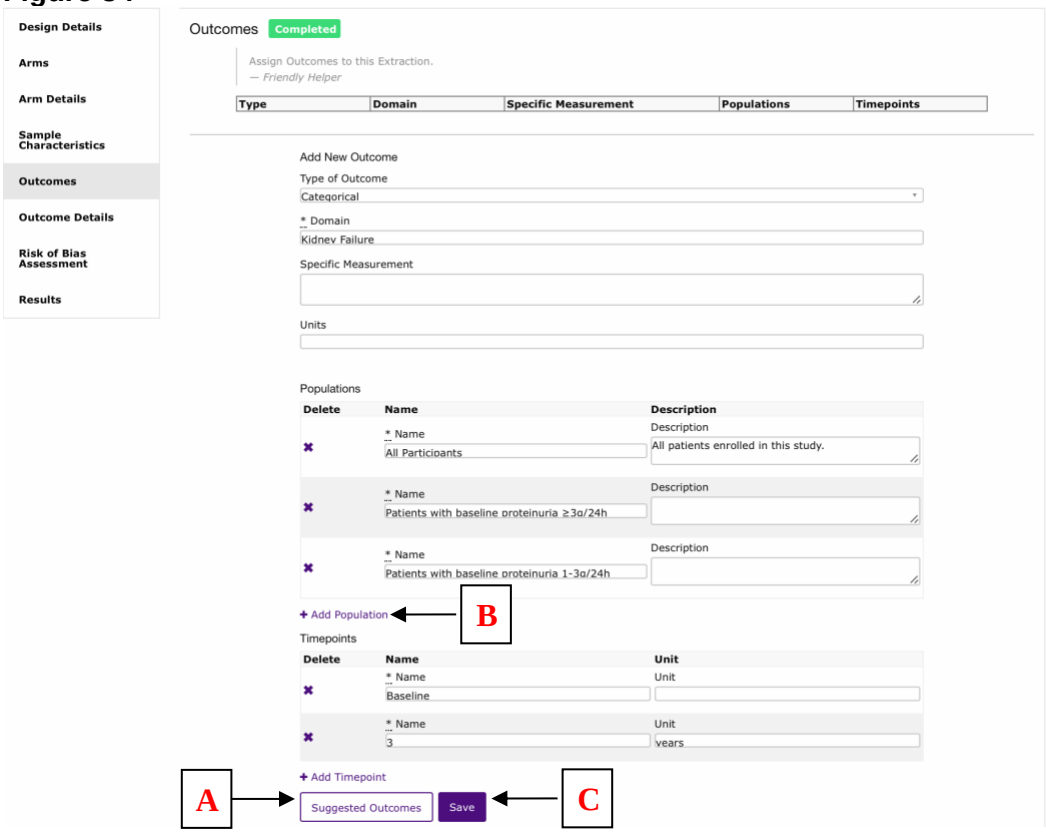
2. Ensure that the following outcome information is entered into the appropriate fields (see Figure 34). Note: To add new populations, click the **+Add Population** link (see item **B** in Figure 34).

Table of data to enter:

Type of Outcome	Select Categorical
Domain	*Kidney Failure*
Specific Measurement	*(Leave blank for this outcome)*
Units	*(Leave blank for this outcome)*
Populations	*All Participants* *Patients with baseline proteinuria ≥3g/24h* *Patients with baseline proteinuria 1-3g/24h*
Timepoints	*Baseline* *3 years*

3. Click **Save** when done (see item **C** in Figure 34).

Figure 34



4. Next, add the categorical outcome, **Mortality**.

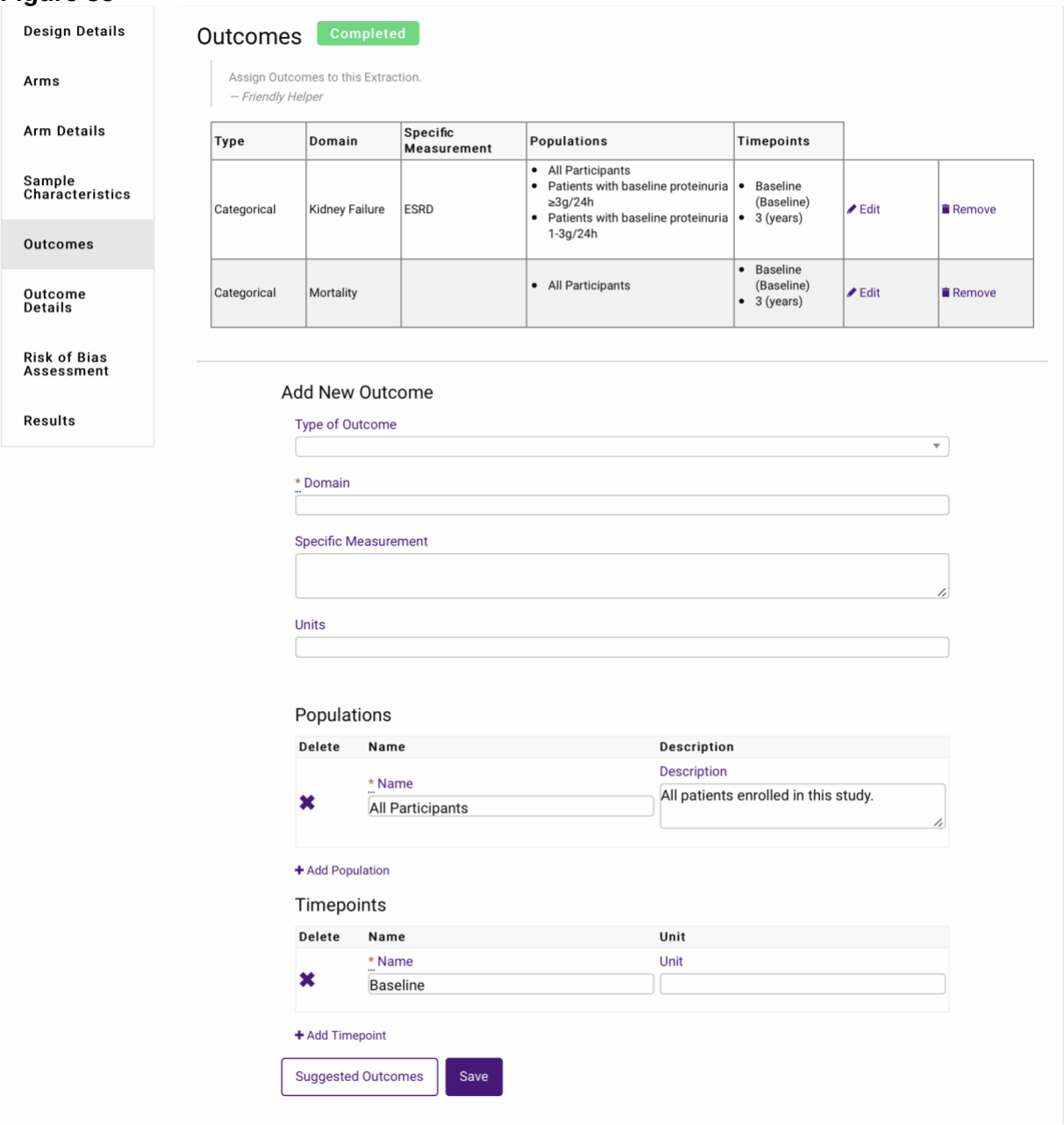
5. Ensure that following outcome information is entered into appropriate fields for **Mortality**.

Table of data to enter:

Type of Outcome	Select Categorical
Domain	*Mortality*
Specific Measurement	*(Leave blank for this outcome)*
Units	*%*
Populations	*All Participants*
Timepoints	*Baseline* *3 years*

6. Your completed Outcomes section should look like Figure 35

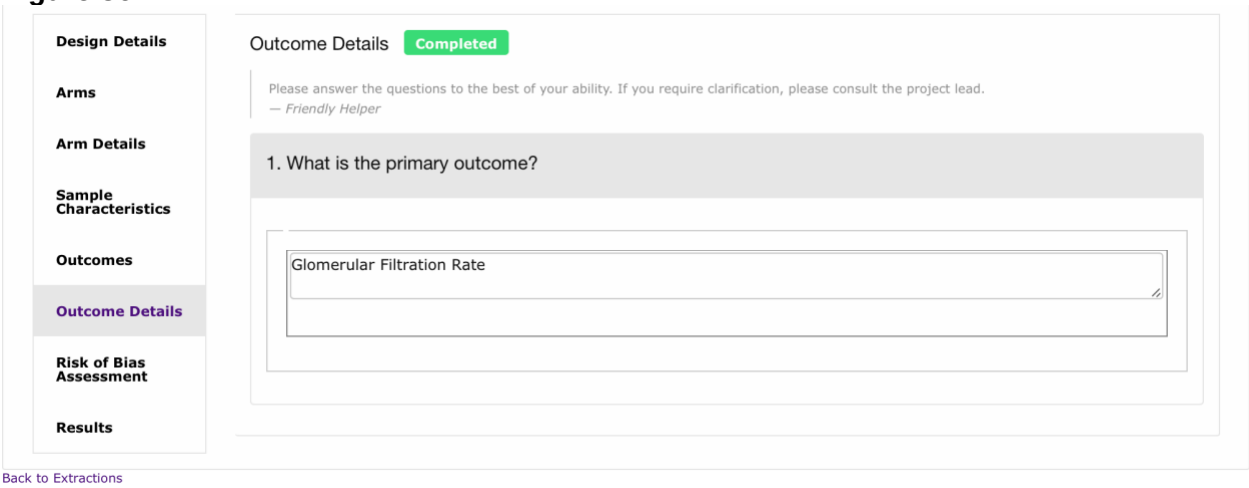
Figure 35



C-9. Outcome Details section

In this section, enter *Glomerular Filtration Rate* as the primary outcome (see Figure 36)

Figure 36



C-10. Risk of Bias Assessment section

1. Select the following **Values** from the drop-down menus for each of the questions listed (see Figures 40 and 41):

Table of data to enter:

1	Random sequence generation (selection bias): Selection bias (biased allocation to interventions) due to inadequate generation of a randomized sequence	*Low*
2	Allocation concealment (selection bias): Selection bias (biased allocation to interventions) due to inadequate concealment of allocations prior to assignment	*Low*
3	Blinding of participants and personnel: Performance bias due to knowledge of the allocated interventions by participants during the study	*Low*
4	Blinding of outcome assessor (detection bias): Detection bias due to knowledge of the allocated interventions by outcome assessors	*Low*
5	Incomplete outcome data (attrition bias): Attrition bias due to amount, nature or handling of incomplete outcome data	*Low*
6	Selective Reporting (reporting bias): Reporting bias due to selective outcome reporting	*Low*
7	Intention-to-treat-analysis: Bias due to incomplete reporting and analysis according to group allocation	*Low*
8	Other bias: Bias due to problems not covered elsewhere in the table. If yes, describe them in the Notes.	*Low*
9	Describe	*Leave Blank*

2. Please review your entries when finished.

C-11. Results section

In this section, you will be creating analysis tables based on the information that you have previously entered.

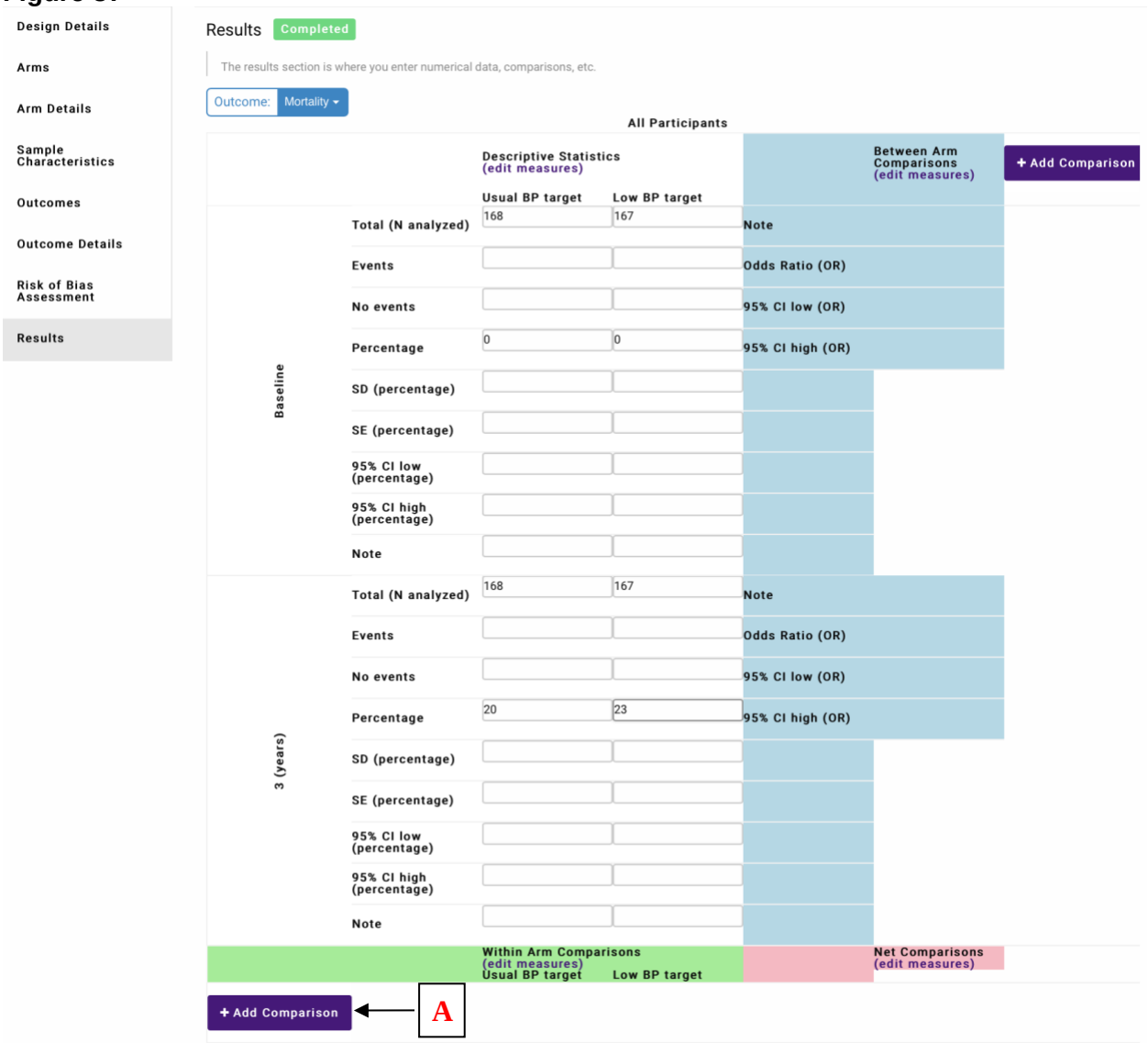
1. From the drop-down list labeled **Outcome**, select: *Mortality* (see item **A** in Figure 37).

2. Enter the following values into the Descriptive Statistics table under the appropriate timepoints and arms:

Table of data to enter:

	Arm: *Usual BP target*	***Arm:*** *Low BP target*
	Timepoint: Baseline	
Total (N Analyzed)	*168*	*167*
Percentage	*0*	*0*
	Timepoint: 3 years	
Total (N Analyzed)	*168*	*167*
Percentage	*20*	*23*

Figure 37



*Hooray!! You have completed the **Extracting Study Data** exercise!*