



Changes for 2025



Goal: Make the Creation of Submission Files Easier*

***If your registry uses SEER*DMS, you DO NOT need to use NAACCR*Prep**

- Subsets data based on the year of diagnosis (and age for NCCR)
- Blanks out fields that aren't being collected
- Calculates additional fields
 - Rural Urban Continuum Codes
 - RUCA and URIC Codes
 - Census Tract Poverty Indicator
 - NHIA/NAPIIA
 - Yost Quintiles
 - ACS Race-based Poverty Percentages
 - **And several others...**



Files NAACCR*Prep Can Process

Input:

- NAACCR V25 XML

Output:

- NAACCR V25 XML
- CSV



Changes for 2025

1. The default value of the Suppress Census Tracts option for NAACCR submissions was changed to “No” to encourage registries to submit Census Tract. It used to be “Yes”.
2. The VPR file creation process now requires a file containing a salt, so that hash tokens can be generated for each patient.
3. The zip file produced by the VPR file creation process now includes 2 data files:
 - A large data file that contains PII AND hash tokens
 - A smaller data file with JUST hash tokens.



Configuration Files

Configuration files define:

- Which fields will ultimately end up being written to the output file
- The record type of the file that will be created
- The range of diagnosis years to include

NCCR, NPCR, and NAACCR will create and distribute the configuration files.

- They will be downloadable from the NPCR and NAACCR websites
 - NAACCR will host the NAACCR Call for Data, VPR, and NCCR configurations
- There will be configuration files for each type of submission (NAACCR CiNA & Certification, NAACCR Certification, VPR-CLS, NPCR, NCCR, etc.)

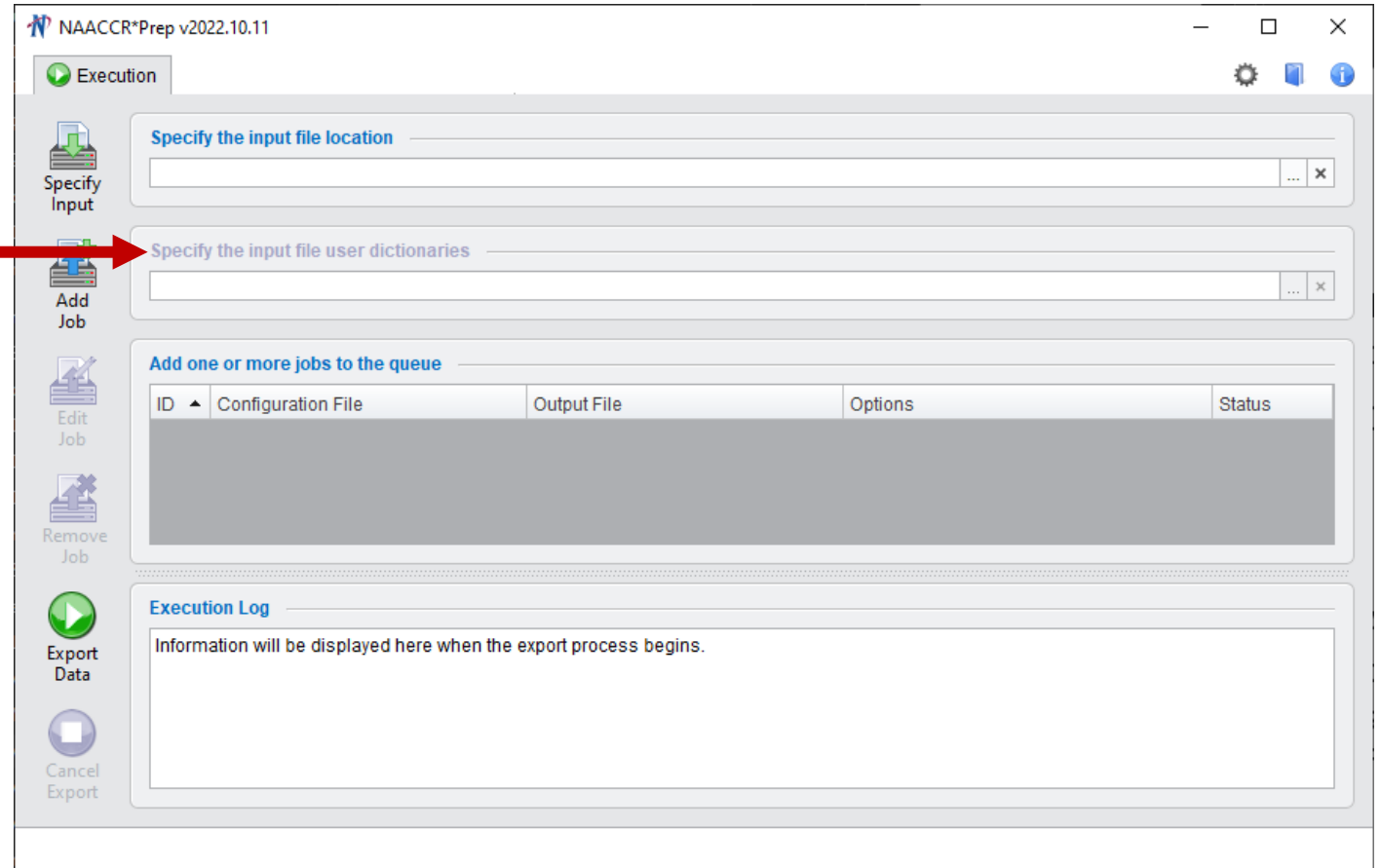


The **execution** tab is where the actual file processing will take place.

On this tab you will:

- Provide the location of the input file you want to process
- Add jobs to a queue

After all the jobs have been added to the queue, you can execute those jobs sequentially and produce multiple output files from the same input file.





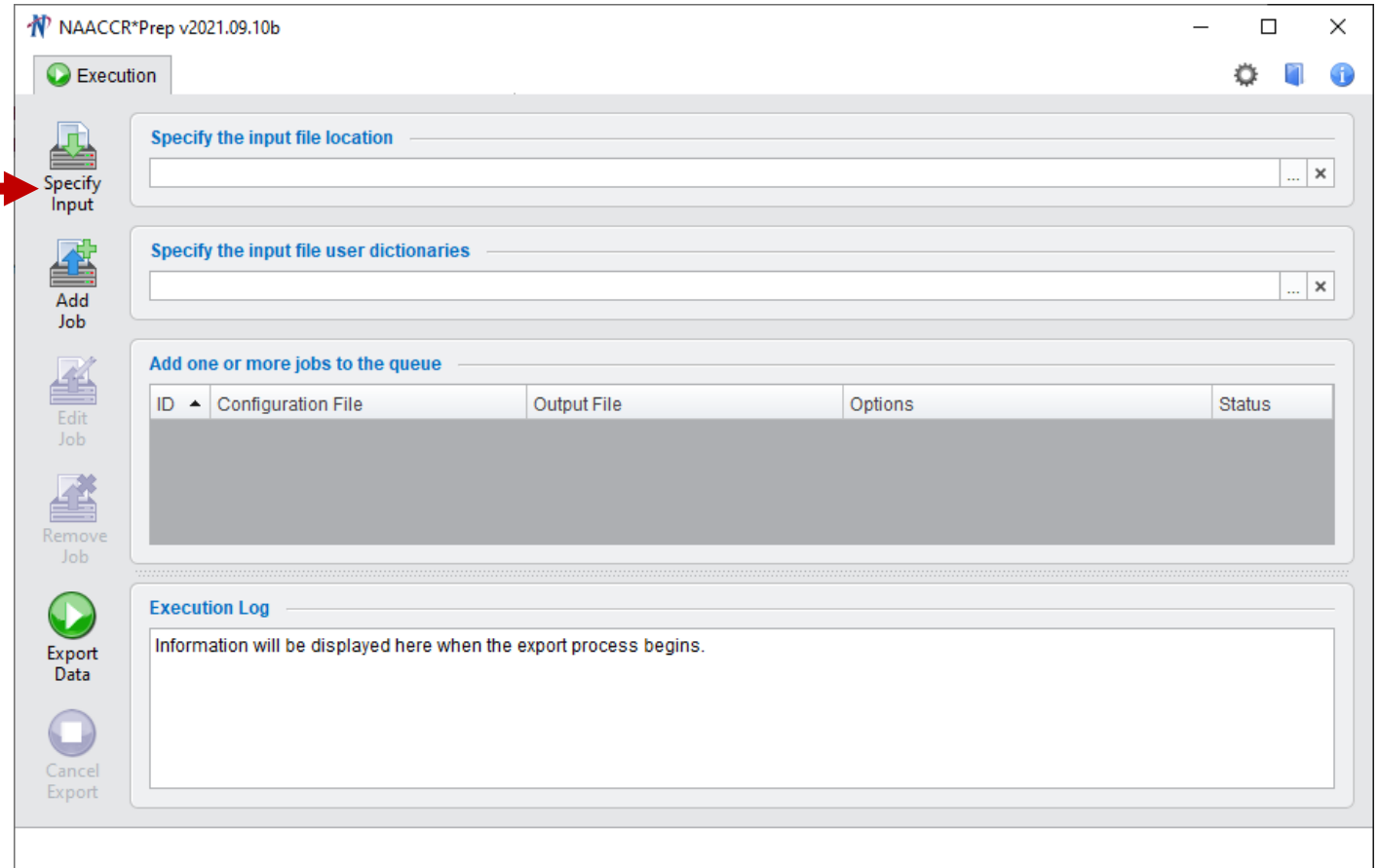
Steps to Produce Submission Files

1. Provide the location of your input file
2. If prompted, provide the location of your input file's XML user dictionary
3. Place a job on the queue
 - a. Provide the location of the configuration file
 - b. Provide the location of the salt file (VPR only)
 - c. Provide the name and location of your output file
 - d. Set your job options
4. Repeat step 3 if you want to queue up another job
5. Press the Export Data button to start processing the queue



1. Provide the location of your input file.

- Press the **Specify Input** button and browse to the location on your hard drive or network where the input file resides.
- The input file should be a **Type-C** XML file with all the fields populated for all your cases, including fields such as first, last, and maiden name, Census tract, etc. This data is needed to produce calculated fields such as NHAPIIA, the Census tract poverty indicator, etc. The only fields that will ultimately be written to the output file will be the ones specifically requested by NAACCR, NCCR, and/or NPCR.



*Note: There should only be 1 <Patient> block per patient in the input XML file. NAACCR*Prep will not process the input file if it does not meet this requirement.*



2. For US-based registries only:

If your input file references user dictionaries that NAACCR*Prep doesn't recognize, you will be asked to provide the location of those dictionaries.

If your input file contains non-standard items that are being collected by NAACCR and any of these items cannot be calculated by NAACCR*Prep, then you MUST perform this step to ensure these fields are included in the submission file.

The non-standard items that fall into this category this submission include the following:

- geocodingAccuracyScore (NAACCR)
- geocodingAccuracyType (NAACCR)

The screenshot shows the NAACCR*Prep v2021.09.10b application window. The 'Execution' tab is active. On the left sidebar, there are icons for 'Specify Input', 'Add Job', 'Edit Job', 'Remove Job', 'Export Data', and 'Cancel Export'. The main area has three sections: 'Specify the input file location' with a text box and a browse button; 'Specify the input file user dictionaries' with a text box and a browse button, which is highlighted by a red arrow; and 'Add one or more jobs to the queue' with a table. The table has columns for ID, Configuration File, Output File, Options, and Status. The 'Execution Log' section at the bottom contains the text: 'Information will be displayed here when the export process begins.'

Note: You can press the browse button more than once to select multiple user dictionaries.



For US-based registries only:

If the geocodingAccuracyScore and geocodingAccuracyType fields are already incorporated in your registry data, you can include them in your standard submission file. **These non-standard fields will be defined in your data dictionary, and you need to provide the location of the dictionary to NAACCR*Prep.**

If you geocode your data in batches using the on-line system, you will need to submit these variables as a separate csv file, in which case you do not need to supply NAACCR*Prep with a user dictionary defines these items.

The screenshot shows the NAACCR*Prep v2021.09.10b application window. On the left is a vertical toolbar with icons for 'Specify Input', 'Add Job', 'Edit Job', 'Remove Job', 'Export Data', and 'Cancel Export'. The main area has three sections: 'Specify the input file location' with a text box and a browse button; 'Specify the input file user dictionaries' with a text box and a browse button, which is highlighted by a red arrow; and 'Add one or more jobs to the queue' containing a table with columns 'ID', 'Configuration File', 'Output File', 'Options', and 'Status'. At the bottom is an 'Execution Log' section with a text area containing the message: 'Information will be displayed here when the export process begins.'

Note: You can press the browse button more than once to select multiple user dictionaries.



3. Press the **Add Job** button.

The Job dialog will appear.

The "Add Job" dialog box is shown with the following fields and options:

- Provide the location of the NAACCR*Prep configuration file**: A text field with a browse button (three dots) and a help button (question mark).
- Provide the location of the salt (VPR Only)**: A text field with a browse button (three dots).
- Specify where the output file should be written**: A text field with a browse button (three dots).
- Job Options**: A section containing several dropdown menus:
 - Suppress Canadian Fields: N/A
 - Suppress Cause of Death: N/A
 - Suppress Census Tracts: N/A
 - Suppress Counties: N/A
 - Suppress Days on Dates: N/A
 - Suppress EPHT 5K: N/A
 - Suppress EPHT 20K: N/A
 - Suppress EPHT 50K: N/A
 - Suppress Postal Codes: N/A
 - Suppress U.S. Fields: N/A
 - Inception Year (VPR): N/A
 - Overwrite NHAPIIA: N/A
 - NHIA Option: N/A
 - Output File Type: N/A

At the bottom are "OK" and "Cancel" buttons.

The main application window, titled "NAACCR*Prep v2021.09.10b", shows the "Execution" tab. It contains the following sections:

- Specify the input file location**: A text field with a browse button (three dots) and a close button (X).
- Specify the input file user dictionaries**: A text field with a browse button (three dots) and a close button (X).
- Add one or more jobs to the queue**: A table with columns: ID, Configuration File, Output File, Options, and Status. The table is currently empty.
- Execution Log**: A section with the text "Information will be displayed here when the export process begins."

On the left side of the window is a vertical toolbar with icons for: Specify Input, Add Job (highlighted with a red arrow), Edit Job, Remove Job, Export Data, and Cancel Export.



3. While viewing the Job dialog....

Add Job

Provide the location of the NAACCR*Prep configuration file

Provide the location of the salt (VPR Only)

Specify where the output file should be written

Job Options

| | | | |
|--------------------------|-----|----------------------|-----|
| Suppress Canadian Fields | N/A | Inception Year (VPR) | N/A |
| Suppress Cause of Death | N/A | Overwrite NHAPIIA | N/A |
| Suppress Census Tracts | N/A | NHIA Option | N/A |
| Suppress Counties | N/A | Output File Type | N/A |
| Suppress Days on Dates | N/A | | |
| Suppress EPHT 5K | N/A | | |
| Suppress EPHT 20K | N/A | | |
| Suppress EPHT 50K | N/A | | |
| Suppress Postal Codes | N/A | | |
| Suppress U.S. Fields | N/A | | |

OK Cancel



3. While viewing the Job dialog....

- A. Provide the location of the NAACCR*Prep configuration file that will be used to generate the output file.

Note: You can preview the configuration settings by pressing the “?” button after selecting the file.

- B. If you are creating a VPR file, provide the location of the file containing the salt, which will be used to generate the hash tokens.

The "Add Job" dialog box is shown with three input fields and a "Job Options" section. The first field, "Provide the location of the NAACCR*Prep configuration file", has a red circle around its "?" button. The second field, "Provide the location of the salt (VPR Only)", is also highlighted with a red arrow. The third field, "Specify where the output file should be written", is also highlighted with a red arrow. The "Job Options" section contains a list of settings, all currently set to "N/A".

| Job Options | |
|--------------------------|-----|
| Suppress Canadian Fields | N/A |
| Suppress Cause of Death | N/A |
| Suppress Census Tracts | N/A |
| Suppress Counties | N/A |
| Suppress Days on Dates | N/A |
| Suppress EPHT 5K | N/A |
| Suppress EPHT 20K | N/A |
| Suppress EPHT 50K | N/A |
| Suppress Postal Codes | N/A |
| Suppress U.S. Fields | N/A |
| Inception Year (VPR) | N/A |
| Overwrite NHAPIIA | N/A |
| NHIA Option | N/A |
| Output File Type | N/A |



3. While viewing the Job dialog....

C. Specify where your output file should be written.

- For Non-VPR Files...

NAACCR*Prep will output a **.zip** file that contains:

- the submission data file (.xml.gz)
 - the NAACCR*Prep configuration file that was selected in step 3A (.prep)
 - submission-specific user-dictionaries (.xml & .csv)
 - the execution log (.log)
- The complete zip file containing all 4 files should be submitted to IMS.

A screenshot of the "Add Job" dialog box. It has a title bar with a green icon and the text "Add Job". The dialog contains three input fields for file locations, each with a blue label and a text box with browse buttons. The first field is labeled "Provide the location of the NAACCR*Prep configuration file". The second is "Provide the location of the salt (VPR Only)". The third is "Specify where the output file should be written", with a red arrow pointing to it from the text "Specify where your output file should be written." in the preceding slide. Below these fields is a section titled "Job Options" containing a grid of dropdown menus. The options are: Suppress Canadian Fields, Suppress Cause of Death, Suppress Census Tracts, Suppress Counties, Suppress Days on Dates, Suppress EPHT 5K, Suppress EPHT 20K, Suppress EPHT 50K, Suppress Postal Codes, Suppress U.S. Fields, Inception Year (VPR), Overwrite NHAPIIA, NHIA Option, and Output File Type. All dropdowns currently show "N/A". At the bottom right are "OK" and "Cancel" buttons.



3. While viewing the Job dialog....

C. Specify where your output file should be written.

- **For VPR Files...**

NAACCR*Prep will output a **.zip** file that contains:

- the large VPR data file, which contains PII and hash tokens (.xml.gz). This is called the “PII Linkage File” in the VPR-CLS instructions.
- the small VPR data file, which contains the patient ID and hash tokens only (.pprl.xml.gz). This is called the “PPRL Linkage File” in the VPR-CLS instructions.
- the NAACCR*Prep configuration file that was selected in step 3A (.prep)
- 2 sets of submission-specific user-dictionaries (.xml & .csv) – one set for each VPR data file
- the execution log (.log)

The screenshot shows the 'Add Job' dialog box with the following sections:

- Provide the location of the NAACCR*Prep configuration file**: A text input field with a browse button (three dots) and a close button (X).
- Provide the location of the salt (VPR Only)**: A text input field with a browse button (three dots) and a close button (X).
- Specify where the output file should be written**: A text input field with a browse button (three dots) and a close button (X). A red arrow points to this field from the text 'Specify where your output file should be written.'
- Job Options**: A section with two columns of dropdown menus.

| Option | Value | Option | Value |
|--------------------------|-------|----------------------|-------|
| Suppress Canadian Fields | N/A | Inception Year (VPR) | N/A |
| Suppress Cause of Death | N/A | Overwrite NHAPIIA | N/A |
| Suppress Census Tracts | N/A | NHIA Option | N/A |
| Suppress Counties | N/A | Output File Type | N/A |
| Suppress Days on Dates | N/A | | |
| Suppress EPHT 5K | N/A | | |
| Suppress EPHT 20K | N/A | | |
| Suppress EPHT 50K | N/A | | |
| Suppress Postal Codes | N/A | | |
| Suppress U.S. Fields | N/A | | |

At the bottom right are 'OK' and 'Cancel' buttons.



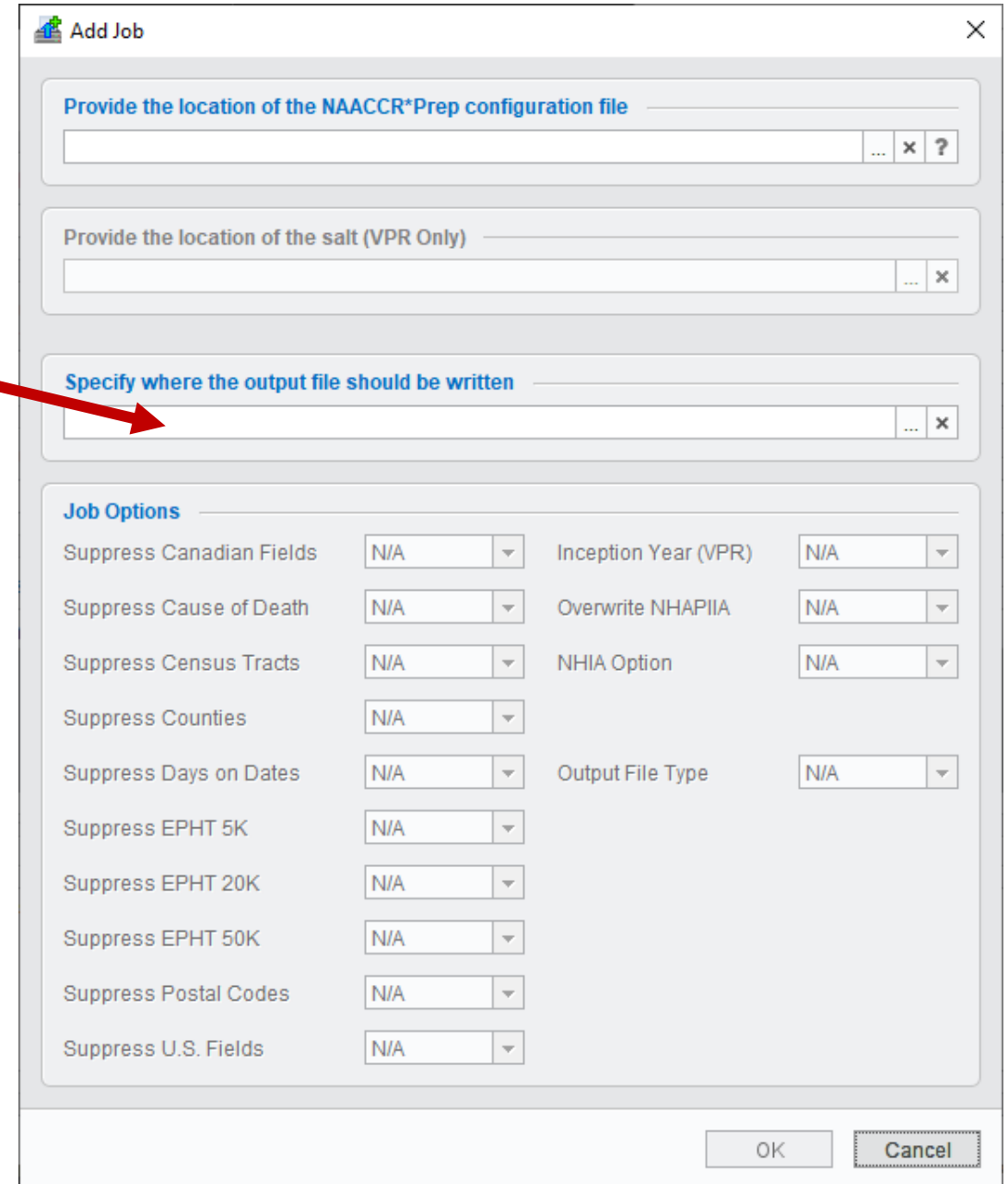
3. While viewing the Job dialog....

C. Specify where your output file should be written.

- **For VPR Files...**

All registries should submit the log to IMS.

Registries opting to have IMS perform privacy-preserving record linkages on their behalf should also submit the small VPR file, with the **.pprl.xml.gz** extension. This is called the “PPRL Linkage File” in the VPR-CLS instructions.

The "Add Job" dialog box is a software window with a title bar containing a small icon and the text "Add Job". It has a close button (X) in the top right corner. The dialog is divided into several sections. The first section, "Provide the location of the NAACCR*Prep configuration file", has a text input field with browse, cancel, and help icons. The second section, "Provide the location of the salt (VPR Only)", has a text input field with a browse icon. The third section, "Specify where the output file should be written", has a text input field with browse and cancel icons. A red arrow points from the text "Specify where your output file should be written." to this section. The fourth section, "Job Options", contains a grid of dropdown menus. The first column lists suppression options: "Suppress Canadian Fields", "Suppress Cause of Death", "Suppress Census Tracts", "Suppress Counties", "Suppress Days on Dates", "Suppress EPHT 5K", "Suppress EPHT 20K", "Suppress EPHT 50K", "Suppress Postal Codes", and "Suppress U.S. Fields". The second column lists other options: "Inception Year (VPR)", "Overwrite NHAPIIA", "NHIA Option", and "Output File Type". All dropdown menus currently show "N/A". At the bottom right are "OK" and "Cancel" buttons.

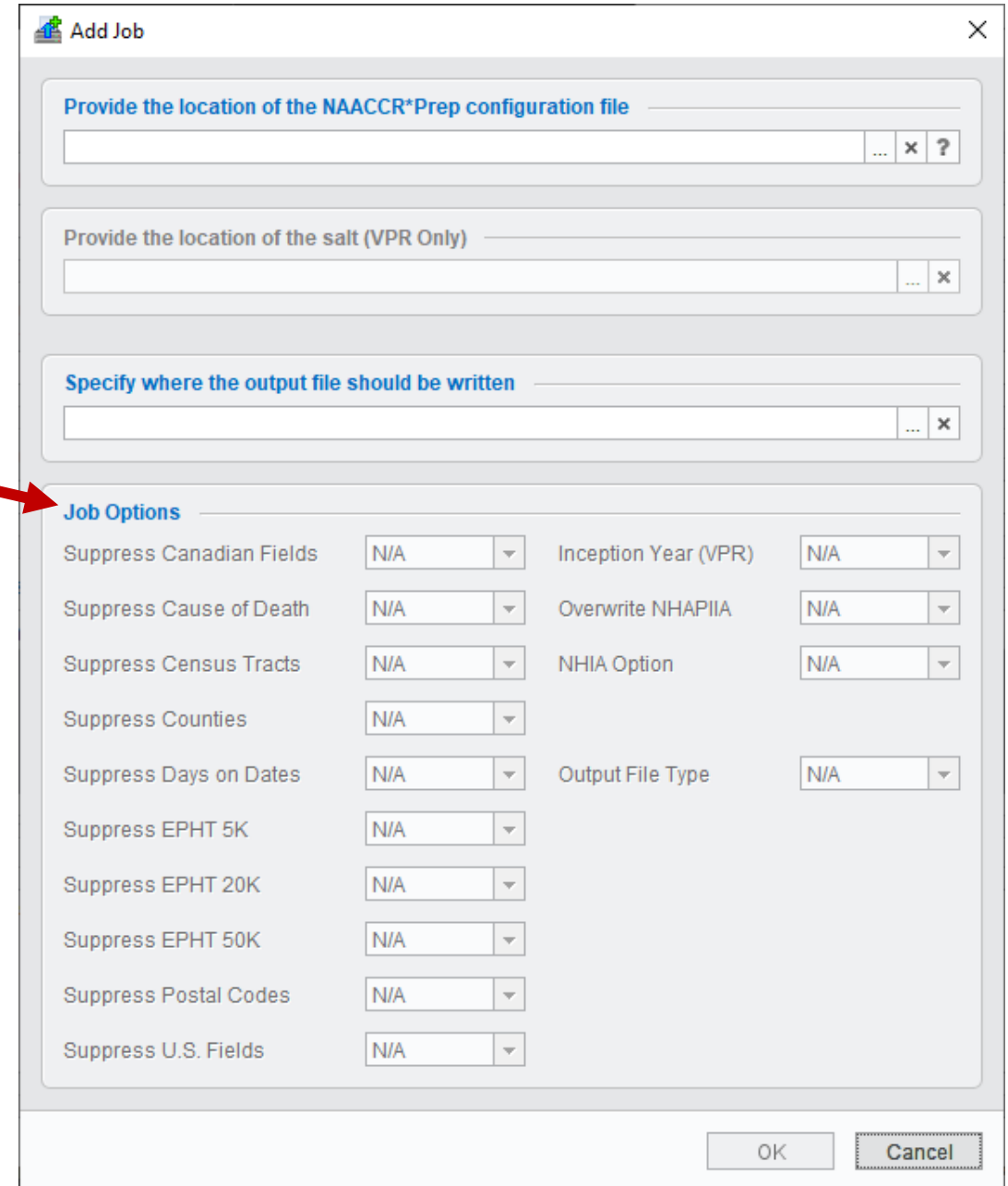
| Job Options | | | |
|--------------------------|-----|----------------------|-----|
| Suppress Canadian Fields | N/A | Inception Year (VPR) | N/A |
| Suppress Cause of Death | N/A | Overwrite NHAPIIA | N/A |
| Suppress Census Tracts | N/A | NHIA Option | N/A |
| Suppress Counties | N/A | Output File Type | N/A |
| Suppress Days on Dates | N/A | | |
| Suppress EPHT 5K | N/A | | |
| Suppress EPHT 20K | N/A | | |
| Suppress EPHT 50K | N/A | | |
| Suppress Postal Codes | N/A | | |
| Suppress U.S. Fields | N/A | | |



3. While viewing the Job dialog....

C. Set your job options.

- You have the option to suppress certain fields even if NAACCR, NCCR, and/or NPCR have included them in the configuration file.
- The options that will be available to you depend on the configuration file that you selected in step 3A. For example, the option to suppress Census tract will only become enabled if the configuration file that you chose requested that Census tract be submitted, otherwise the option will remain disabled and set to N/A.

The "Add Job" dialog box is a software window with a title bar containing a small icon and the text "Add Job". It has a close button (X) in the top right corner. The dialog is divided into several sections. The first three sections are for file paths: "Provide the location of the NAACCR*Prep configuration file", "Provide the location of the salt (VPR Only)", and "Specify where the output file should be written". Each section has a text input field followed by a browse button (three dots) and a cancel button (X). The fourth section, "Job Options", is highlighted with a red arrow from the text "Set your job options." in the previous block. It contains a list of options, each with a label and a dropdown menu set to "N/A". The options are: Suppress Canadian Fields, Suppress Cause of Death, Suppress Census Tracts, Suppress Counties, Suppress Days on Dates, Suppress EPHT 5K, Suppress EPHT 20K, Suppress EPHT 50K, Suppress Postal Codes, Suppress U.S. Fields, Inception Year (VPR), Overwrite NHAPIIA, NHIA Option, and Output File Type. At the bottom right of the dialog are "OK" and "Cancel" buttons.



3. While viewing the Job dialog....

C. Set your job options. (cont.)

- You may suppress the following:
 - Counties, Postal Codes, and Census Tracts. Each of these default to NO.
 - Days on Date Fields. Defaults to “Option 1” (Suppress day on all dates except date of dx and treatment dates) for NAACCR and “No” for all other submission types.
 - Fields that apply to U.S. registries only (e.g., Race, Hispanic origin). This option is disabled in VPR, NPCR, and NCCR configurations. Defaults to NO, when applicable. **Canadian registries should set this to YES.**
 - Fields that apply to Canadian registries only (Address at DX Postal Code). This option is disabled in VPR, NPCR, and NCCR configurations. Defaults to NO, when applicable. **US registries should set this to YES.**
 - EPHT Fields. Defaults to NO.
 - Cause of Death. Defaults to NO.

Add Job

Provide the location of the NAACCR*Prep configuration file

Provide the location of the salt (VPR Only)

Specify where the output file should be written

Job Options

| | | | |
|--------------------------|-----|----------------------|-----|
| Suppress Canadian Fields | N/A | Inception Year (VPR) | N/A |
| Suppress Cause of Death | N/A | Overwrite NHAPIIA | N/A |
| Suppress Census Tracts | N/A | NHIA Option | N/A |
| Suppress Counties | N/A | | |
| Suppress Days on Dates | N/A | Output File Type | N/A |
| Suppress EPHT 5K | N/A | | |
| Suppress EPHT 20K | N/A | | |
| Suppress EPHT 50K | N/A | | |
| Suppress Postal Codes | N/A | | |
| Suppress U.S. Fields | N/A | | |

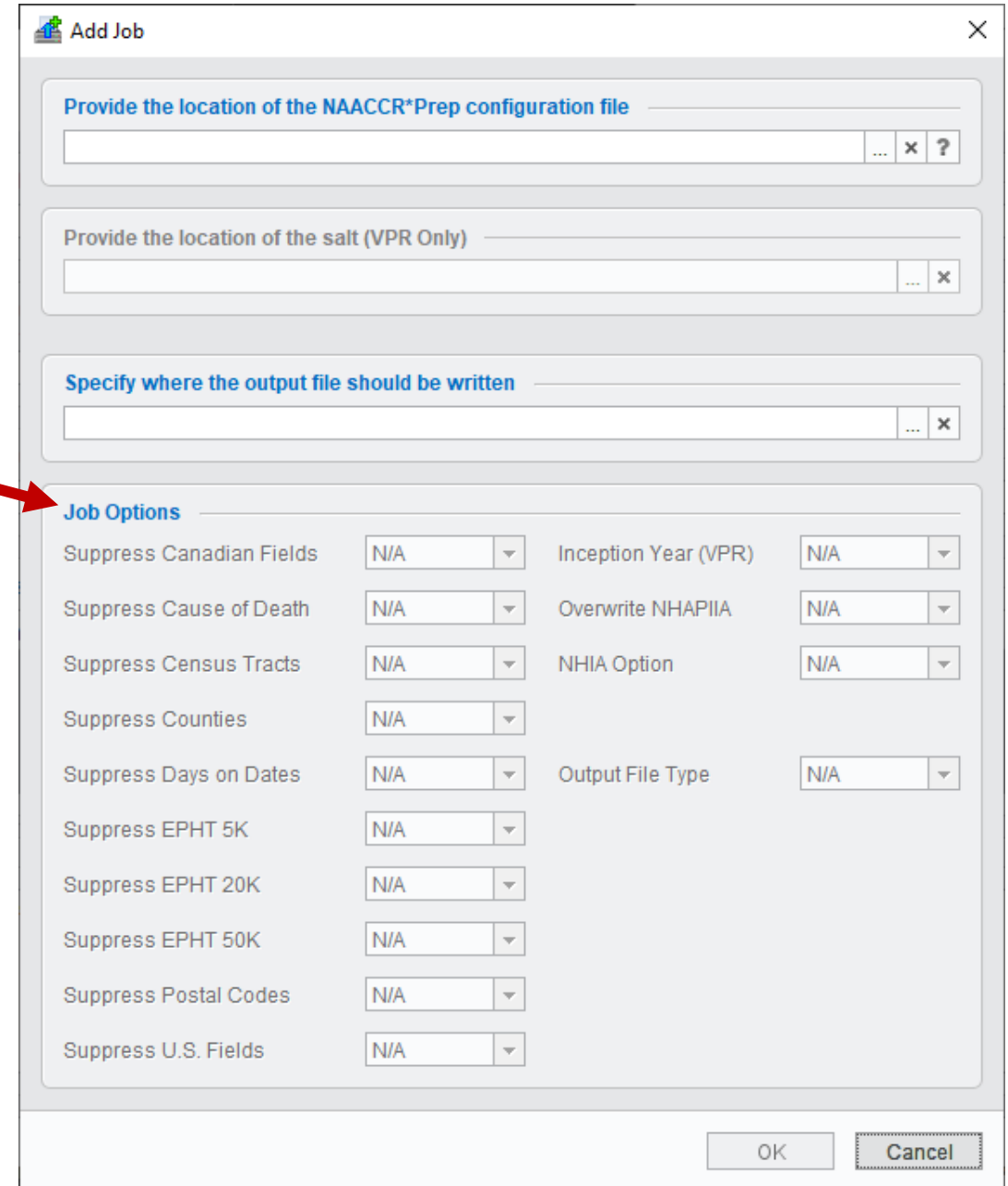
OK Cancel



3. While viewing the Job dialog....

C. Set your job options. (cont.)

- You can change your registry's inception year to something other than 1973 if needed. This option is only enabled for VPR configurations.
- You can control whether any existing NHIA/NAPIIA values are overwritten by NAACCR*Prep if the configuration file you selected includes a calculation for NHIA or NAPIIA.
- You can adjust the NHIA option if the configuration file includes a calculation for the NHIA variable.
- You can set the output file type (XML or CSV).

The "Add Job" dialog box is a software window with a title bar containing a small icon and the text "Add Job". It has a close button (X) in the top right corner. The dialog is divided into several sections. The first section, "Provide the location of the NAACCR*Prep configuration file", has a text input field with browse, cancel, and help buttons. The second section, "Provide the location of the salt (VPR Only)", has a text input field with a cancel button. The third section, "Specify where the output file should be written", has a text input field with browse and cancel buttons. The fourth section, "Job Options", contains a grid of settings. A red arrow points from the text "Set your job options. (cont.)" to this section. The "Job Options" section includes: "Suppress Canadian Fields" (N/A), "Inception Year (VPR)" (N/A), "Suppress Cause of Death" (N/A), "Overwrite NHAPIIA" (N/A), "Suppress Census Tracts" (N/A), "NHIA Option" (N/A), "Suppress Counties" (N/A), "Output File Type" (N/A), "Suppress Days on Dates" (N/A), "Suppress EPHT 5K" (N/A), "Suppress EPHT 20K" (N/A), "Suppress EPHT 50K" (N/A), "Suppress Postal Codes" (N/A), and "Suppress U.S. Fields" (N/A). At the bottom right are "OK" and "Cancel" buttons.

| Job Options | | | |
|--------------------------|-----|----------------------|-----|
| Suppress Canadian Fields | N/A | Inception Year (VPR) | N/A |
| Suppress Cause of Death | N/A | Overwrite NHAPIIA | N/A |
| Suppress Census Tracts | N/A | NHIA Option | N/A |
| Suppress Counties | N/A | Output File Type | N/A |
| Suppress Days on Dates | N/A | | |
| Suppress EPHT 5K | N/A | | |
| Suppress EPHT 20K | N/A | | |
| Suppress EPHT 50K | N/A | | |
| Suppress Postal Codes | N/A | | |
| Suppress U.S. Fields | N/A | | |



3. While viewing the Job dialog....

D. Press the **OK** button when you are finished.

A screenshot of the "Add Job" dialog box. The dialog has a title bar with a small icon and the text "Add Job". It contains three main sections: 1. "Provide the location of the NAACCR*Prep configuration file" with a text input field and buttons for "...", "x", and "?". 2. "Specify where the output file should be written" with a text input field and buttons for "...", "x", and "?". 3. "Job Options" which is a table of settings. The table has two columns. The left column lists various suppression options, and the right column lists other options. All options currently show "N/A" in the input field. At the bottom right of the dialog are "OK" and "Cancel" buttons. A large red arrow points from the text "Press the OK button" in the instructions to the "OK" button in the dialog.

| Job Options | |
|--------------------------|-----|
| Suppress Canadian Fields | N/A |
| Suppress Census Tracts | N/A |
| Suppress Counties | N/A |
| Suppress Days on Dates | N/A |
| Suppress EPHT 5K | N/A |
| Suppress EPHT 20K | N/A |
| Suppress EPHT 50K | N/A |
| Suppress Postal Codes | N/A |
| Suppress U.S. Fields | N/A |
| Inception Year (VPR) | N/A |
| Overwrite NHAPIIA | N/A |
| NHIA Option | N/A |
| Output File Type | N/A |

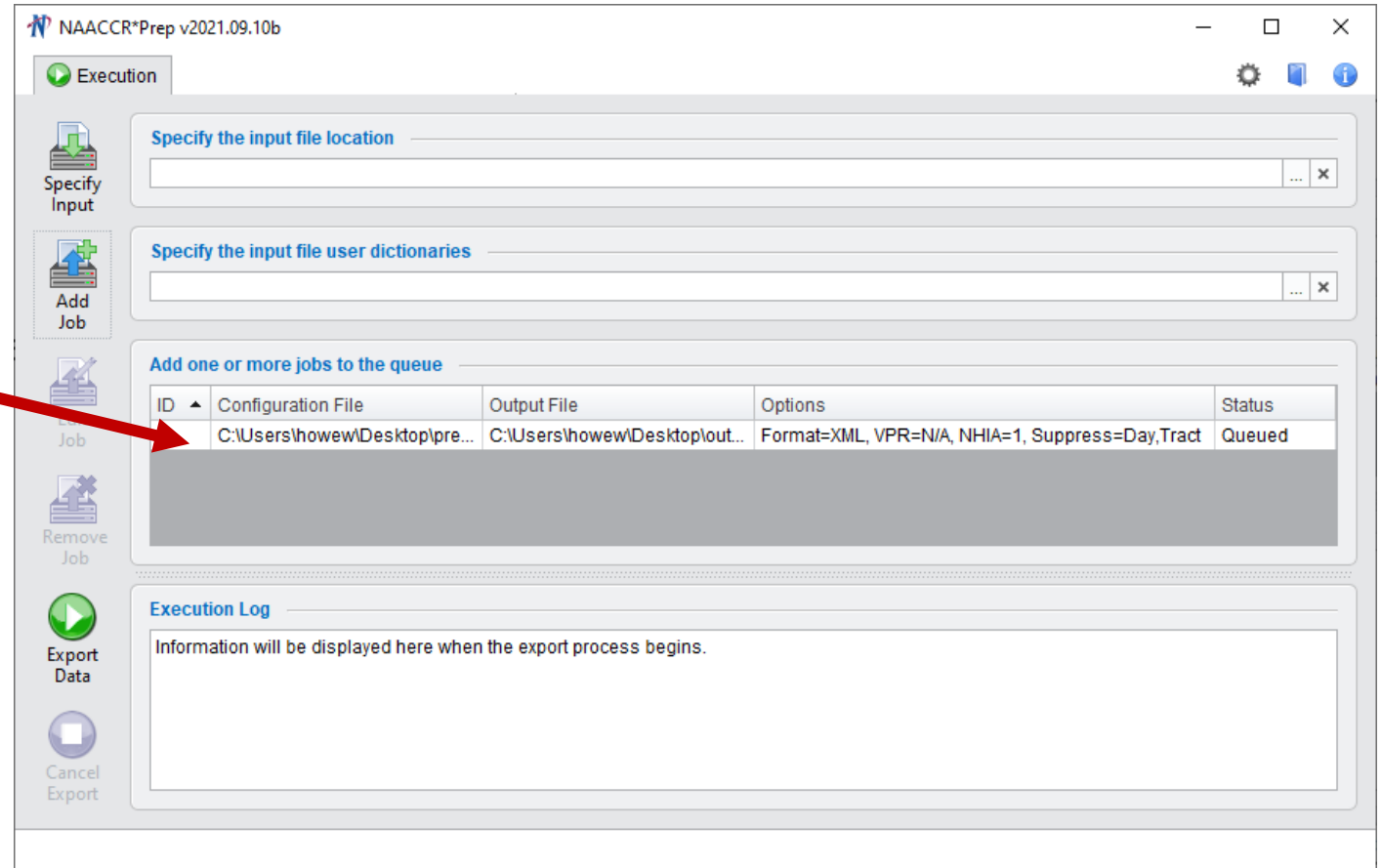


3. While viewing the Job dialog....

E. The job dialog will close ...



3. While viewing the Job dialog....
- E. The job dialog will close ... and the job will be added to the queue.





4. Repeat steps 3A-3E for each configuration file that you need to create an output file from.

NAACCR*Prep v2021.09.10b

Execution

Specify the input file location

Specify the input file user dictionaries

Add one or more jobs to the queue

| ID | Configuration File | Output File | Options | Status |
|----|-------------------------------|-------------------------------|---|--------|
| 1 | C:\Users\howew\Desktop\pre... | C:\Users\howew\Desktop\out... | Format=XML, VPR=N/A, NHIA=1, Suppress=Day,Tract | Queued |

Execution Log

Information will be displayed here when the export process begins.

Specify Input

Add Job

Edit Job

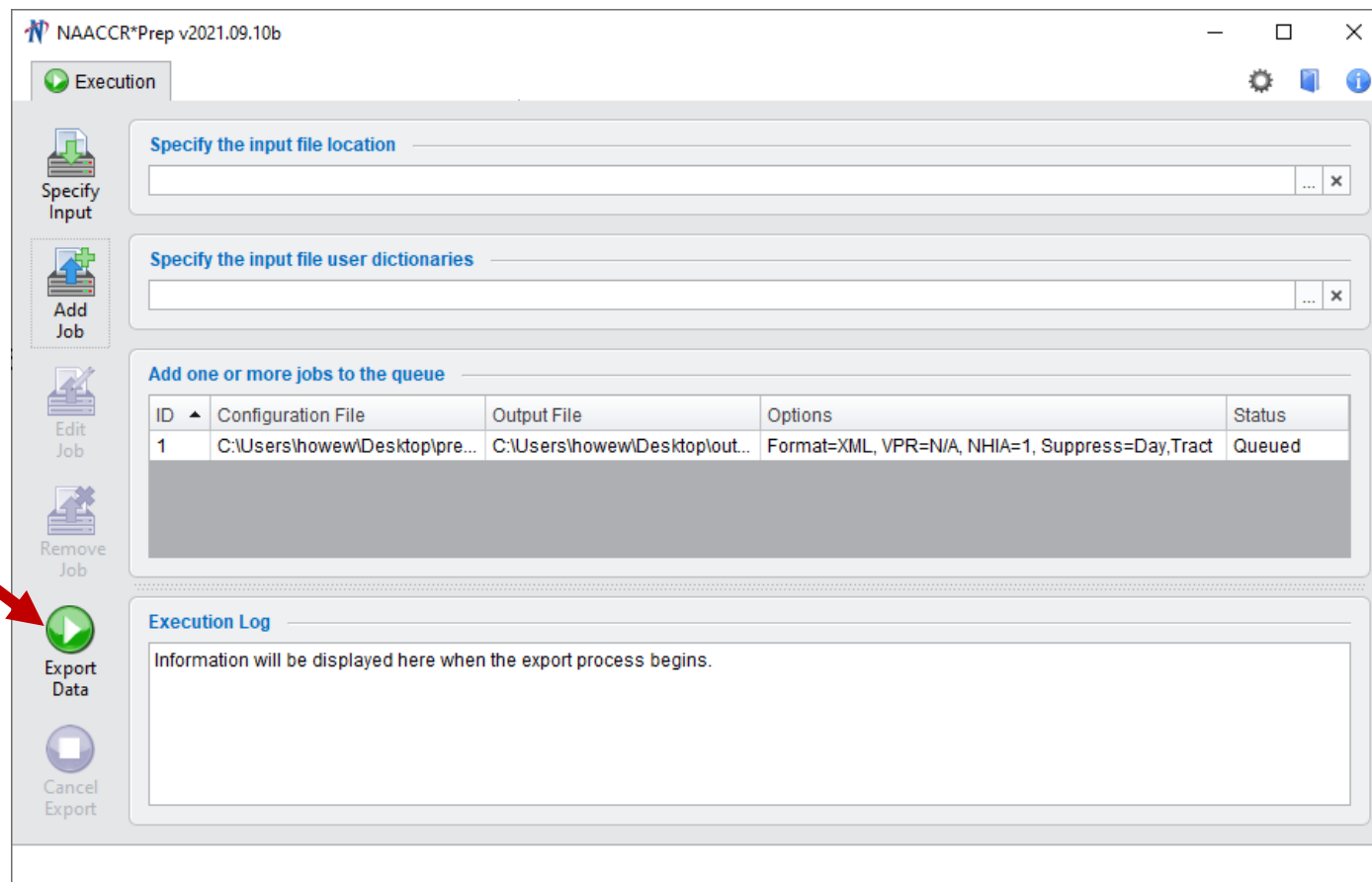
Remove Job

Export Data

Cancel Export



5. Press the **Export Data** button to begin creating the output file(s).





Progress will be displayed in the log and in the bottom/right-hand corner of the screen as each output file is created.

If any of the calculated fields cannot be calculated a warning message will appear in the log.

Please read the messages carefully and make sure that your input file contains all the values need to calculate each field before contacting NAACCR or IMS.

The screenshot shows the NAACCR*Prep v2021.09.10b application window. On the left is a vertical toolbar with icons for 'Specify Input', 'Add Job', 'Edit Job', 'Remove Job', 'Export Data', and 'Cancel Export'. The main area is titled 'Execution' and contains three sections: 'Specify the input file location' with a text box and browse button; 'Specify the input file user dictionaries' with a text box and browse button; and 'Add one or more jobs to the queue' which contains a table. The table has one row with ID 1, configuration file 'C:\Users\howew\Desktop\pre...', output file 'C:\Users\howew\Desktop\out...', options 'Format=XML, VPR=N/A, NHIA=1, Suppress=Day,Tract', and status 'Queued'. At the bottom is an 'Execution Log' section with a text box containing the message 'Information will be displayed here when the export process begins.' A red arrow points from the text in the instructions to this log box.