

Quick User Guide

ASA24<sup>®</sup> Researcher Website

August 2023

ASA24 is a registered trademark of HHS.

# Contents

Create a Researcher Account	3
Create a New Study	3
Create Respondent Accounts	7
Monitoring Study Progress	
Data Analysis	
Help and Resources	

# Figures

Figure 1. ASA24 Login Screen	3
Figure 2. Welcome Screen	3
Figure 3. Create a New Study Screen	4
Figure 4. Specify Study Details Screen	5
Figure 5. Select Optional Study Modules Screen	6
Figure 6. Summary of New Study Screen	
Figure 7. New Study Card	7
Figure 8. Add New Respondents - Wizard	8
Figure 9. Outline of the Steps in the Respondent Account Wizard	9
Figure 10. Add New Respondents – Import File	.10
Figure 11. Edit Study Screen	.11
Figure 12. Study Card	.11
Figure 13. Track Study Progress Screen – Track Respondents	.12
Figure 14. Track Study Progress Screen – Track Recalls	.12
Figure 15. Data & Results Screen	.13
Figure 16. Analysis Output Files and Included Data	.14
Figure 17. View Nutrition Reports Screen	.14
Figure 18. Resources Screen	.15

## **Create a Researcher Account**

- Go to: <u>https://asa24.nih.gov/researcher/#/login</u> and select the 'Register' button.
- Complete the short form by providing contact information and select Submit.
- Login with the temporary password, you will then be prompted to change the password.

Figure 1. ASA24 login screen			
National Institutes of Health Automated Self-Administered 24-Hour Dietary Assessment Tool	Researcher Site	REPORT A BUG CONTACT US	
Sign In Username taralynnpaul@westat.com	Welcome to the ASA24 Researcher Web site. This Web site allows researchers, clinicians, and teachers to register a study, set s parameters, manage study logistics, and obtain dietary analyses. To get started, either sign in with your existing username and password or create a researcher account using the button to the left. General information on ASA24 and its features can be found at <u>http://epi.grants.cancer.gov/asa24/</u> .		
	Resources		
LOGIN Register REGISTER	Join ASA24 Listsery Frequently Asked Questions (FAQs) Known Issues and Workarounds ASA24 Demonstration Site Resources Related to the Healthy Eating Index (HEI)	Ouick User Guide Researcher Instructions - 2020 Researcher Instructions - 2018 Researcher Instructions - 2016 Sample Analysis Files and Data Dictionaries	

## **Create a New Study**

• Select the 'CREATE A NEW STUDY' button from the welcome screen.

Figure 2. Welcome screen	
Hello ASA24!	Sort by: Name
Welcome to th	e ASA24 Researcher Site
Welcome to the researcher website for the Automated Self-Adminis allows researchers, clinicians, and educators to register to use the A analytic output files.	
CREATE A NEW STUDY	

- Complete the following three sections of the form (Create a New Study, Specify Study Details, and Select Optional Study Modules) to set-up a new study.
  - Please read the information boxes on the right-hand side of the website for help with definitions, parameters, and study set-up options.

## 1. Create a New Study

Create a New Study	2 Specify Study Details	3 Select Optional Study Modules	Summary of New S
Study name:		Provide a short study name to distinguish it from other stud seen by respondents. ∂This can be changed later	ies that you've created. This is not
Study description:		Briefly describe the study. This will be used internally to mor will only be reported at the aggregate level and never used t	
	0	/ 400	
Study Characteristics (Check all that apply):	Study population:	Specify what type of population or populations will be used ∂ This can be changed later	in the study.
	<ul> <li>Children (6-18 yrs)</li> <li>Adults (19-74 yrs)</li> </ul>		
	Older adults (75+ yrs)		
	Low socioeconomic status/low income     Low literacy		
	Less than high school education		
	Pregnant/lactating		
	<ul> <li>Interviewer administered</li> <li>Other (please describe in "Study Description" above)</li> </ul>		
Study abbreviation:		Specify a study abbreviation to uniquely identify your study abbreviation is a combination of three to eight letters and ca more	
		0/8 Cannot be changed after study is created	
Purpose of study:	O Research	Select the primary reason for creating this study.	
	<ul> <li>Education</li> <li>Clinical practice</li> </ul>	This information is collected for internal tracking purposes o administration. 合 This can be changed later	nly and does not affect study
	O Demonstrating or testing O Other (specify)		
Researcher affiliation of main researcher/Pl	Private Practitioner	Select the entity(ies) conducting the research. Check all that	apply.
(Check all that apply):	Government Agency	The purpose of the study is collected for internal tracking pu study a See more	rposes only and does not affect
	University / College researcher	∂ This can be changed later	
	University / College student		
	Managed Care Organization		
	Contractor		
	Other (specify)		

## 2. Specify Study Details

Figure 4. Specify Study Details screen			
Create a New Study	2 Specify Study Details	3 Select Optional Study Modules	4 Summary of New Study
	All sections on thi	s page are required	
	ondents will report their intake. Select Recall Study or Record Study	A <b>recall</b> asks respondents to report all foods and drinks con midnight to midnight or during the previous 24 hours prior	
-	drink consumed the previous day & drink consumed in real time	A <b>record</b> (also known as a food diary) asks respondents to r in real time.	eport all foods and drinks consumed
	start with a suggested study configuration. You can then customize	To learn more about 24-hour recalls and food records, visit Primer can help researchers choose the best dietary assess objectives. Cannot be changed after study is created	
RECALL STUDY Setting	gs		
Study type: (recall)	<ul> <li>Scheduled</li> <li>Unscheduled</li> </ul>	Scheduled study: You specify the Intake dates for each resp to complete recalls on the scheduled reporting dates. Intake Can be changed until respondent accounts are creat	e dates See more
Total number of recalls per respondents:		Indicate the maximum number of recalls to be reported by be changed after the study has started.	each respondent. This number can
		Note: Unfinished or quit recalls count to See more A This can be changed later	
Intake time frame:	0 0	Midnight to midnight of the previous day: The respondent is drinks consumed during the entire previous day. For examp	
Number of Logins Allowed:	O One login O Multiple logins	One login: Requires respondents to complete their recalls v respondents log out or time out, they will not be permitted This can be changed later	
Time Provided to Complete Recall:	O By midnight O By 8 am	By midnight: For example, if a respondent is to report what selecting "By midnight" allows the respondent to login any t Cannot be changed after study is created	
ASA24 version:	•	Select the respondent version.	
		Note: there are specialized versions for Canada and Austral to reflect the Canadian and Australian foo See more Cannot be changed after study is created	ia. These versions have been modified
Number of respondents:		Estimate the number of unique study respondents who will record. 合This can be changed later	complete at least one recall or
Study start date:	mm/dd/yyyy	This is the first date that respondents may log into the res record. ⊕This can be changed later	pondent website to complete a recall or
Study end date:	mm/dd/yyyy	This is the last date that respondents may log into the respondents will not be able to log $\oplus$ This can be changed later	
CANCEL ALL		٢	BACK SAVE AND CONTINUE >

- There are suggested study configurations for researchers who are uncertain which settings to use.
- Depending on whether Recall or Record study is selected, the setting selections are slightly different.
- To learn more about 24-hour recalls and food records visit NCI's <u>Dietary Assessment Primer</u>. The Primer can help researchers choose the best dietary assessment approach for their researcher objectives.

#### 3. Select Optional Study Modules

Figure 5. Select Optio	nal Study Modules scree	n	
🔮 Create a New Study	Specify Study Details	3 Select Optional Study Modules	4 Summary of New Study
Select Optional Study Modules Check modules to enable/disable at any time	during the study. All modules except the Respond	ent Nutrition Report may increase time to completion.	
✓ Location	This module asks the respondent to rep The choices are: • Home • Fast food restaurant • Other restaurant • Cafete See more	ort where they ate each meal or snack.	
Ate with others	This module asks the respondent to repeach meal and snack, and if so, was it a $\underline{a}$ This can be changed later		
Source	This module asks the respondent to rep drink consumed. The choices are: • Supermarket or grocery store • Convenience store See more ∂This can be changed later	ort where they acquired each food and	
TV/Computer Use	This module asks the respondent to rep computer, and/or using a mobile device ∂This can be changed later		
Sleep	This module allows researchers to exan dietary intake, timing of eating, and oth hour day. 合This can be changed later		
Supplements	This module asks the respondent to rep ∂This can be changed later	ort any supplements taken.	
CANCEL ALL			< BACK SAVE AND CONTINUE >

• Check modules to enable/disable at any time during the study. If the Source module is selected, the Location module will automatically also be selected.

4. The final page of the form is a summary page for researchers to review their selected study settings (Figure 6):

Create a New Study	Specify Study Details	Select Opt	tional Study Modules
Review study settings			
Field	Changeability	Data	Learned for Church Cardinan
Study name	÷	Westat Test Study	Legend for Study Settings
Study description	÷	Westat Test Study	Can be changed later
Study characteristics	ĉ	adults	Can be changed until respondent accounts are created
Study abbreviation	<b>a</b>	Food	Cannot be changed after study is created
Purpose of study	£	Demonstrating or testing	
Researcher affiliation using ASA24	Ð	Contractor	<ul> <li>Select one of the field titles from the list to return to the page of that field</li> </ul>
Study tool	â	RECALL STUDY	
Study type	<b>▲</b>	UNSCHEDULED	<ul> <li>Select "Back" at the bottom of the page to return to the previous page.</li> </ul>
ASA24 version	<b>a</b>	A5A24-2020	<ul> <li>Select "Create Study" when finished. Button is activated once all required</li> </ul>
Number of respondents	Ô	10	fields are completed.
Study start date	â	2022-02-25	
Study end date	۵	2022-02-26	
Total number of recalls per respondents	ĉ	10	
Intake time frame	â	Midnight to Midnight	
Number of logins allowed	â	Multiple logins	
Time provided to complete recall	â	By midnight	
Optional study modules	A		

• Select 'SAVE AS DRAFT' to save and create study later, or 'CREATE STUDY' to finalize and create the new study.

## Create Respondent Accounts

- Each respondent must have a username and password assigned in order to login to the respondent website to complete intake(s).
- Click on 'CREATE RESPONDENTS' on a study card on the welcome screen to begin creating new respondent accounts.

Figure 7. New Study Card		
Food Test Study (FoodTest)		
STUDY DETAILS	PARTICIPANT DETAILS	
Study Start - Study End 10/27/2021 - 11/6/2021	CREATE RESPONDENTS	
Recall Study ASA24-2020		
Study type: Unscheduled		

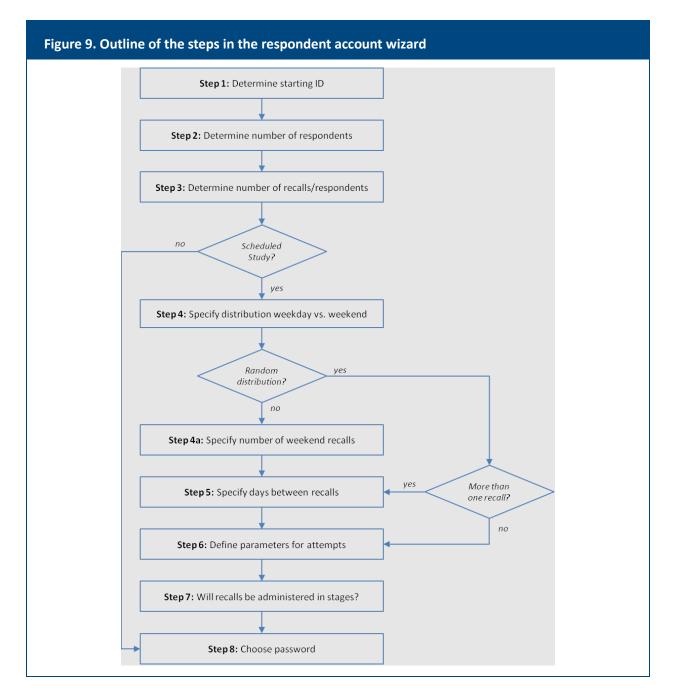
• Respondent accounts can be created in two ways: (1) a step-by-step "wizard," or (2) a manual file upload.

## 1. Respondent Accounts Wizard

• Select the 'LAUNCH RESPONDENTS WIZARD' button and follow the prompts in each step.

Figure 8. Add New Respondents - Wizard				
	ADD NEW RESPONDENTS	VIEW PAST RESPONDENT FILES	MANAGE RESPONDENT ACCOUNTS	
Add New Responder			Help on Adding New Respondents	
There are two ways to create	new respondent accounts:			
-	OPTION 1. Use the wizard to guide you through configuration steps. For a scheduled study, where respondents will access ASA24 on specific Import File CSV			
		can specify the number of weekday vs. weekend recalls	Note: For Recall studies, the study type (Scheduled or	
per respondent, and the numbe	r of days between recalls.		Unscheduled) and the Intake Time Frame cannot be	
If you're not sure how to create	a scheduled study with the wizard start with a suggester	ed scheduled study configuration. You can then customize	changed once at least one respondent account is created and a recall is started. To change these study	
	ASA24 Suggested Scheduled Study Configurations		details, all Respondent Accounts must be deleted.	
			details, air Respondent Accounts must be deleted.	
The wizard is most helpful if				
<ul> <li>You are using ASA24 as a</li> </ul>				
	dy and are unsure how to specify the dietary assess			
	l study and are unfamiliar working with .csv files or	unsure how to set up your respondent accounts		
manually.				
	LAUNCH RESPONDENTS WIZ	ZARD		

• If you are not sure how to create a scheduled study with the wizard, you can start with a suggested scheduled study configuration.



- Researchers can use the wizard multiple times to add new respondents or to create new intake dates for respondents in a *scheduled* study.
- Researchers can change the number of respondents or the number of recalls or records per respondent by editing the study settings using the **Edit Study** tab. Such changes should be done <u>prior</u> to attempting to create new respondents or schedules.

### 2. Import File

• The Import File can used to create respondents accounts for recalls and food record studies instead of using the Wizard.



- There are five steps to using the Import File to create accounts.
  - <u>Step 1</u>: Download the Import File from the link at the right-hand side of the Add New Respondent tab (Figure 10). The Import File is an Excel workbook with multiple worksheets.
  - <u>Step 2</u>: Populate the Import File with your study details (more details for completing the Import File are on the "Help & Resources" tab of the researcher website). If you need a reminder of the desired number of study respondents, or other study details, you can review what was entered for the study under the **Edit Study** tab on the ASA24 researcher website. Your initial upload does not need to include information for all of your planned study participants.
  - Step 3: From Excel, save the populated Import File as a CSV file.
  - <u>Step 4</u>: Upload the CSV file. Once the file is validated, ASA24 will generate a file containing usernames and passwords. Download the file from the 'Respondent Accounts have been created!' screen. If there are errors, accounts will not be created.
  - <u>Step 5</u>: The username and password file can also be downloaded from the "View Past Respondent Files" tab. Researchers are responsible for assigning and securely distributing account information to their respondents.
- Researchers can upload additional files to add new respondents or to update new intake dates for existing respondents in a *scheduled* study.
- Researchers can change the number of respondents or the number of recalls or records per respondent by editing the study settings using the **Edit Study** tab (Figure 11). Such changes should be done <u>prior</u> to attempting to upload new CSV files.

Figure 11. Edit Study screen				
🔂 Study: Australia T	est Study 🔹			
	RESPONDENTS	DATA & RESULTS	EDIT STUDY	HELP & RESOURCES
EDIT STUDY BASICS	EDIT STUDY DETAILS	EDIT STUDY MODULES	MANAGE STUDY STAFF	DELETE STUDY
Study type: (recall)	<ul> <li>Scheduled</li> <li>Unscheduled</li> </ul>	to complete rec	y: You specify the intake dates for each responde alls on the scheduled reporting dates. Intake date aged until respondent accounts are created	
Total number of recalls per respondents:	10	be changed afte	ximum number of recalls to be reported by each er the study has started. xd or quit recalls count to See more changed later	respondent. This number can

# Monitoring Study Progress

• From the home screen, click on the study name or 'Go to study ->' on the study card to track study progress or edit study settings.

Figure 12. Study card			
Chives Test Study (Chives)	Go to study $\rightarrow$		
STUDY DETAILS	PARTICIPANT DETAILS		
Study Start - Study End 9/23/2021 - 9/23/2025	Participants 7		
Record Study ASA24-2020	Complete Responses 0		
Study type: Consecutive Days	Quit Responses 0		

• The **Track Study Progress** tab can be used by researchers to monitor completion of recalls or records for a selected study.

Figure 13. Track Study Progress screen – Track Respondents										
Study: Test		•								
TRACK STUDY PROGRESS			NDENTS	D.	ATA & RESULTS	EDIT STUDY			HELP & RESOURCES	
TRACK RESPONDENTS TRACK RECALLS										
Track Responden	Track Respondents									
Filter by username			Star	t Date		End Date				
Username			m	m/dd/yyyy		mm/dd/yyyy			CLEAR	
			Select /	All Deselect All	Export Selected	Export All				
Username		Next Recall #	Next Atten	npt# ^ Next	Reporting Date	Total Quits	Total Completes	Total R	emaining	
Draft1001	~	0	0			0	0	0		
Draft1006	$\sim$	0	0			0	0	0		

- Data can be viewed for all respondents, for a specific respondent, for a subset of respondents, or for a subset of recalls/records by filtering on specific start and end dates.
- The table can be sorted by clicking on the column headers. Click on the down arrow next to the username to get more information on subsequent recalls.
- Using the **Track Recalls** tab researchers can also filter by recalls/records completed during a specific date range, for a specific respondent, or by completion status.

Figure 14. Track Study Progress Screen – Track Recalls									
G Study: Starling	•								
TRACK STUDY PROGRESS		TS	DATA & RESULTS		EDIT STUDY	HELP & RESOURCES			
TRACK RESPONDENTS TRACK RECALLS									
Track Recalls									
Filter by username		Start Date	End Date		Status				
Username		mm/dd/yyyy	mm/dd/yyyy		Completed	🗌 Quit	CLEAR		
	Select All	Deselect All	Export Selected Expo	rt All D	elete Selected				
Username Recall #	Reporting Date Completic	n Status Total Sessions	s Total Session Duration	Language	Calories (kCal) N	lumber of Eating Occasions	Number of Food Codes		
Starling101 0	2021-10-18 Comp	eted 2	1	English	99.899	1	3		

# Data Analysis

• Researchers can obtain food and nutrient analysis output files from the Data & Results tab.

Figure 15. Data & Results screen								
G Study: Food Test Study	<b>*</b>							
✓ TRACK STUDY PROGRESS	RESPONDENTS	DATA & RESULTS	P EDIT STUDY	HELP & RESOURCES				
	DOWNLOAD ANAL	YSIS FILES VIEW I	NUTRITION REPORTS					
Download Analysis Files Step 1. Select the data to be included i								
<ul> <li>All respondents (batch)</li> <li>One respondent based on usernal</li> <li>Range of respondent IDs between</li> <li>Recall/Record dates between start</li> </ul>	start ID and end ID							
Step 2. Select Download Data Dictionaries to obtain detail information about the files or Download Analysis Files to obtain your data.								
		DOWNLOAD ANALYSIS FILES						
The information will be downloaded in zip format. A free version of the 7zip software can be found at the <u>7Zip Web site</u> . The 7zip file contains the below file types in CSV format <b>RESPONSES:</b> Responses Analysis File - Food and supplement names from the Quick List, probe questions and answers <b>ITEMS:</b> Individual Foods Analysis File - FNDDS food codes, gram weights, nutrients, and Food Pattern Equivalents for each food reported <b>TOTALS:</b> Daily Total Analysis File - FNDDS nutrients and Food Pattern Equivalents for all foods in a given day <b>INS:</b> Individual Supplements Analysis File - Supplement Codes with their nutrients - keeping only those nutrients which are related to the FNDDS <b>TS:</b> Daily Total Supplements Analysis File - total nutrients from all supplements from all foods and supplements reported in a given day <b>TNS:</b> Daily Total Nutrients from Foods and Supplements Analysis File - FNDDS nutrients from all foods and supplements reported in a given day								
		DOWNLOAD DATA DICTIONARIES						

### 1. Download Analysis Files

- Be sure to choose the correct study from the drop-down menu. Files can be requested for all respondents, for one respondent, for a specific range of respondents, or for a specific date range.
- Data dictionaries can also be downloaded on this tab.
- The All Respondents (batch) option generates output files for all recalls/records completed to date for all study respondents.
- The Respondent options generate output files for all recalls/records completed to date for a particular respondent or the range specified.
- The Recall/Record dates option generates output files for all recalls/records completed within the selected dates.
- Data files are provided in CSV format and can be opened using Excel or imported into statistical software.

Figure 16. Analysis output files and included data						
Analysis File	Content Description					
Responses	Data by respondent, by day, providing probe questions and answers.					
Items	Data by <b>food and beverage item,</b> providing food codes, gram weights, nutrient and food group values.					
Totals	Data by respondent, by day, providing total nutrient and food group values for <b>foods and beverages</b> .					
INS	Data by <b>supplement,</b> providing supplement codes, gram weights and nutrient values.					
TS	Data by respondent, by day, providing total nutrient values for <b>supplements</b> .					
TNS	Data by respondent, by day, providing total nutrient and food group values for <b>foods</b> , <b>beverages</b> , <b>and supplements</b> <b>combined</b> , <b>responses for Sleep module</b> (Note: the Sleep module is optional and only available for ASA24-2020 version and later and must be turned on during creation of new studies).					

- Sample output files can be found at: <u>https://epi.grants.cancer.gov/asa24/researcher/sample.html</u>
- The food, supplement, and nutrient databases used for all versions of ASA24 can be found at: <u>https://epi.grants.cancer.gov/asa24/comparison.html</u>
- Additional information on the FNDDS and FPED are available from the U.S. Department of Agriculture's website at: <u>https://www.ars.usda.gov/northeast-area/beltsville-mdbhnrc/beltsville-human-nutrition-research-center/food-surveys-research-group/</u>

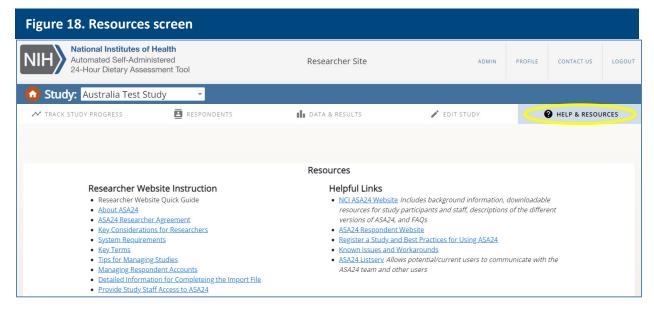
## 2. Viewing the Respondent Nutrition Report (RNR)

Figure 17. View Nutrition Reports screen											
🔂 Study: Sta	rling	*									
≁ TRACK STUDY	TRACK STUDY PROGRESS RESPONDENT		ENTS	DATA & RESULTS	& RESULTS		EDIT STUDY		P & RESOURCES		
	DOWNLOAD ANALYSIS FILES VIEW NUTRITION REPORTS										
View Nutrition Reports         The table below provides some information about each respondent's intake and allows you to view their Respondent Nutrition Report (RNR). The RNR provides information to respondents regarding how their intake on the reporting day(s) compares to country-specific dietary guidance and nutrient requirements. See more information here.         Filter by username:       Start Date:       Respondent Request:         Username       mm/dd/yyyy       mm/dd/yyyy       n/a											
Username	Reporting Date	Status	Respondent Request?	Calories (kCal.)	Number of eating		Number of foo		Nutrition Report		
Starling101	2021-10-18	Completed	No	99.899	1	1		3			

- If researchers have selected the RNR option during study setup for recall or record studies, a report is generated by the system to provide feedback regarding food group and nutrient intakes in relation to country-specific dietary guidance.
- The RNR is available to participants 2 years old and older in studies using the US and Canadian versions of ASA24.
- For both recalls and records, RNRs will only be generated if respondents answered the questions on age and sex, and if female, whether pregnant or not during the recall/record. Sample reports of the RNR and more detailed information is available online at: <u>https://epi.grants.cancer.gov/asa24/respondent/nutrition-report.html</u>.
- For recall studies, the researcher selects whether or not to display the RNR at the end of the recall. For food records, and recall studies that do not display the RNR immediately, the report will only be available to the researcher on the researcher website and may be distributed to the respondent by the researcher.
- Researchers can view an RNR provided to a respondent by selecting the 'View' link in the last column. For both recalls and food records, the report is provided to the researcher instantly upon respondents' completion of the intake information.
- If a respondent did not enter in the profile information, a 'Create' link is available for researchers. The researcher can decide if they would like to ask the respondent for age, sex, and pregnancy/lactation status to enter into the system. If the researcher does not ask the respondent and input this information for them then the RNR will not generate.
- The researcher can also choose in which language to see the RNR. The RNR is available in English, Spanish and French (Canadian versions only).

## Help and Resources

• The **Help & Resources** page contains links to more detailed information and ASA24 resources found on the ASA24 NCI website.



- Use the 'CONTACT US' link in the upper right-hand corner of the screen or email <u>ASA24HelpDesk@Westat.com</u> for any specific questions or concerns.
- To go back to the Home page, researchers can:
  - click on the orange circle with a small white house graphic in the upper right corner of every screen, or
  - click on the words 'Researcher Site' at the top center of every screen, or
  - click on the NIH logo.