

Centers for Medicare & Medicaid Services CMS eXpedited Life Cycle (XLC)

MDS Extract Tool Reports in SAS Viya User Manual

Version 1.1

Contents

Requesting the Extract Tool Report User Roles for SAS Viya in HARP	
Logging into SAS Viya	7
Saving MDS Extract Tool Report to My Snippets	9
Accessing Saved Extract Tool Code Snippet	
Updating Report Parameters MDS Extract Tool Reports	
User Input Parameters	
Saving Library, CASOUT and FOLDERPATH User Input Parameters	
Definition of Key Search Fields for Query Options	
Query Options for MDS 3.0 Nursing Home Extract Tool Reports	
OPTION 1 – Search by Medicare Number using HICN and MBI	
OPTION 2 –Search by MBI, HICN, and SSN	
OPTION 3 – Search by Last Name, Date of Birth, and Gender Code	
Other Query Options	
Query Options for MDS 3.0 Swing Bed Extract Tool Reports	
OPTION 1 – Search by Medicare Number using HICN and MBI	
OPTION 2 –Search by MBI, HICN, and SSN	
OPTION 3 – Search by Last Name, Date of Birth, and Gender Code	
Other Query Options	
Running MDS Extract Tool Report	
Saving Multiple Versions of MDS Extract Tool Report Code	
Downloading and Deleting Extract Files	

Requesting the Extract Tool Report User Roles for SAS Viya in HARP Log in to HARP at https://harp.cms.gov/user-profile/home.

Enter the User ID and Password you use to access QBIC. **NOTE**: *If you do not have access to QBIC currently, you will need* to create a new User ID by selecting the Sign Up link. Once your account has been created you can proceed with the following steps.

HCQIS Access Roles and Profile	
Login	
Enter your user ID and password to login. User ID *	
Password *	
Having trouble logging in?	
Login	
Don't have an account? Sign Up	

Choose a Two-Factor Authentication option from the **Device** dropdown. Click the Send Code button. **NOTE**: <u>*This will be*</u> <u>*the same authentication device/email used to log into QBIC.*</u>

Select a device to	verify your account.	
Device *		
		~
Send Code	Cancel	

Enter the code sent to the selected two-factor authentication option in the **Security Code** text box and click the <u>Submit</u> button.

Enter Co	ode	
Enter the secu	rity code to verify your account.	
Security Code	*	
Submit	Cancel	
2		

The User Profile page is displayed. Select the <u>User Roles</u> option in the top right corner of the page.

CMS.gov HARP		The security official User Profile Logout
User Pro	ofile	
Profile Inform Change Passw	Profile Information	Edit

The User Roles page is displayed. Select the <u>Request a Role</u> button.

User Roles
Need access to an application? Request a Role

Select <u>iQIES Data Analytics-QBIC</u> and click the Next button.

elect a Program		
elect a CMS program to begin the role	e request process.	
Search	Search	Clear Search
O QualityNet-Zscaler		
○ ServiceNow Quality System		
O iQIES Data Analytics-QBIC		

Select your organization from the list. All organizations are listed as '<u>Analytics-iQIES-Organization</u>' (Example: Analytics-iQIES-CGS). Click the Next button at the bottom of the page. **NOTE**: <u>If you do not see your organization in the list, please</u> <u>email the QTSO Helpdesk at iqies@cms.hhs.gov.</u>

earch	Search	Clear Search
○ I don't see my organization		
O Analytics-ADO-iQIES-Ventera		
O Analytics-iQIES-ADMEDCORP		
O Analytics-IQIES-ALLIANT HEAL	TH SOLUTIONS	
O Analytics-IQIES-ALPS1		
O Analytics-iQIES-CAPITOL BRID	GE	
O Analytics-iQIES-CGS		

Select one of the following roles for access, then select the Next button at the bottom of the page:

- a. <u>iQIES-EXTRACT-TOOL-MDS-Group</u> (Select this role to access MDS Extract Tool Reports)
- b. iQIES-EXTRACT-TOOL-IRF-Group (Select this role to access IRF Extract Tool Reports)
- c. <u>iQIES-EXTRACT-TOOL-MDS-Group</u> (Select this role to access MDS Extract Tool Reports)

Select Roles		
Select one or many roles for the level o	of access you need fo	or Analytics-iQIES-CGS.
Search	Search	Clear Search
□ iQIES-EXTRACT-TOOL-HHA-Group		
□ iQIES-EXTRACT-TOOL-IRF-Group		
□ iQIES-EXTRACT-TOOL-MDS-Group		

NOTE: *If you need to access more than one data set, you will need to submit a separate request for access to each group.*

Click the <u>Submit</u> button at the bottom of the page.

A pop up for Request Reason may be displayed. You can enter the business reason for making the request or you can leave it blank. Click the <u>Submit</u> button submit the role request to the CMS approvers.

Request Reason	
Enter your reason for requesting the help the Security Official determine request.	e selected role(s). This will whether to approve your
Request Reason	
250 characters remaining. Please include your job title, place of work, etc.	relevant information such as
	Back Submit

The User Roles page reloads to show the details of your pending request.

Pending Red Your requests pendin	quests g approval from a security official.			
Request ID	Requester	Program	Request Date	
7474113	Part Capitol Recursion 11	Not Populated	2020-03-20	View Cancel

Once your request has been reviewed, you will receive an email from donotreply.HARP@hcqis.com notifying you if the role is approved or rejected. If you have not received an email response to your request within 2-3 business days, please contact the QTSO Helpdesk at iqies@cms.hhs.gov.

Once you receive the approval email, it will take 1 business day to add the access for your account. After that time, you should be able to log in to SAS Viya at https://qnetanalytics-viya.cms.gov/. NOTE: https://gnetanalytics-viya.cms.gov/. NOTE: https://gnetanalytics-viya.cms.gov/.

Logging into SAS Viya

Navigate to <u>https://qnetanalytics-viya.cms.gov/</u>.

Enter User Name, Password and check the Agree to our Terms & Conditions box.

CMS.gov IDM
Sign In
Enter Username
Enter Password
Sign In
■ Agree to our <u>Terms & Conditions</u>
Forgot your Password or Unlock your account?

Enter security code. To change the authentication option, select the down arrow next to the circle icon.

CMS.gov IDM
Verify with Email Authentication
Send a verification code to pd@ventera.com .
Send me the code
Sign Out

Once login is complete, the SAS Viya desktop may be displayed. **NOTE**: <u>*The initial display page may vary depending on each user's individual settings*</u>.

				SAS® Drive - Share and Collaborate
New •				
SAS Videos	•			
All Recent Projects Prepare Data	Reports Build Models Deve	elop SAS Code Build Custom Gr	aphs	
E 7	My Folder			
 My Favorites My Folder SAS Content Shared m Recycle Bin 	Data Date modified: 05/19/20	My Snippets Date modified: 04/20/20	My Tasks Date modified: 05/19/20	SAS Videos Date modified: 05/07/20

Saving MDS Extract Tool Report to My Snippets

It is recommended that you save a copy of the MDS Extract Tool Report code to your snippets allowing you to save the desired parameters as well as save your output to your designated folder in SAS.

Click on the Menu (pictured as 3 horizontal bars) in the top left corner of the page.

=	
New T	
SAS Videos	C III
All Recent Projects Prepare Data	
E 7	
🗈 My Favorites	
My Folder	
SAS Content	
😝 Shared	
面 Recycle Bin	

Under the Analytics Life Cycle heading, choose the Develop SAS Code option.



Under the Explorer menu on the left side of the page, expand the **SAS Content** folder. In the **SAS Content** folder, expand the **Projects** folder. Under the **Projects** folder, expand the **iQIES Support** folder. Under the **iQIES Support** folder, expand the **EXTRACT_TEMPLATES** folder to display the available extract tool reports.

≡		
New	Options View 🖿 Open 🗊 Save All	
Ð	Explorer	~~
		:
	My Favorites	
<i>.</i>	🕞 Folder Shortcuts	
**	▶ 🗏 Workspace	
F:	SAS Content	
_,	Example Code	
1	Model Repositories	
	P □ Products	
۶		
	► DEMO	
	EXTRACT_TEMPLATES	
	🍕 hha_asmt_template_extract_multiple_conditions.sas	
	🍕 hha_asmt_template_extract.sas	
	🛃 hha_asmt_template_preview.sas	
	🛃 hha_asmt_v2_template_extract.sas	
	🛃 irf_asmt_template_extract.sas	
	kth_asmt_template_extract.sas	
	🗳 mds_nh_extract_tool_template.sas	
	P 🔲 Users	

For the report code to produce a fixed width extract in OASIS Assessment Data specification order, double click on the <u>mds_nh_extract_tool_template.sas</u> or <u>mds_sb_extract_tool_template.sas</u> report. The report query opens in the Code workspace.

≡				SAS® Studio - Develop SAS Code
New	n Options View 🖿 Open 🗊 Save All			
Ð	Explorer	~	ら Start Pa	ge 🗷 mds_nh_extract_tool_template.sas × +
	陆 🗑 🔽 🗉		📌 Run 🛛	■ Cancel 🐻 💀 🖹 Copy to My Snippets 🛛 🏷 🦿 🚎 │ 浅 Debug
	My Favorites		Code	
٢	Folder Shortcuts		1	//*************************************
	✓ E Workspace		2	
E;	► SAS Content ► Example Code		3	Code Objective: Allow users to create a fixed width text file for HHA Assessments with multiple options of where conditions.
-	► Model Repositories		5	
•	Products		6 7	Steps To Execute:
20	A 🗖 Projects		8	1. Create a Folder under your username
•	🕨 🗖 Helpdesk		10	2. Replace all input values in section "USER INPUT PARAMETERS"
	iQIES_Support		11	3. Click on Run command (top left of window)
	► ADHOC_SCRIPTS		12	 Locate .txt file withing the Folder created in Stepi Right Click on file, select "Download"
			14	
	EXTRACT_TEMPLATES		15	***************************************
	A hha_asmt_template_extract_multiple_conditions.sas		17	USER INPUT PARAMETERS DESCRIPTION
	A hha_asmt_template_extract.sas		18	
	A hha_asmt_template_preview.sas		19 20	Parameters to Change When Saving A Copy in My Snippets: i mvlib =User Defined libname (8 characters or less, Ex. aa0000)
	🛃 hha_asmt_v2_template_extract.sas		21	i_casout = CASLIB where you want the table created (Note: Irrelevant as it is in-memory)
	🛃 irf_asmt_template_extract.sas		22	i_folderpath = Folder location where output file be created
	Itch_asmt_template_extract.sas		23	EX. '/Users/okta-aa0000000kta-prod.quainet.org/My Folder/Output ; NOTE: In Explorer window, right click on folder created above, select "Properties"
	🛿 mds_nh_extract_tool_template.sas		25	······, ······························
	Public		26	Parameters to Update Before Each Run:
	Users		28	i_doms_where = create custom where conditions. Use options, options, options dueries below
			29	i_output_file_name = Name of your output file (Note: Must end .txt and be in single quotes)
			30	Ex. 'mds_test_+ile.txt'
			32	***************************************
			33	* USER INPUT PARAMETERS ;
			34	%]et i mylib = mdsdata:
			36	<pre>%let i_casout = iQIES_MDS_EXTRACT_DATA;</pre>
			37	<pre>%let i_folderpath = '/Users/okta-aa0000@okta-prod.qualnet.org/My Folder';</pre>
			38	<pre>%let i dbms where = mds itm sbst cd in ('NC','NQ','NP','NS','NSD','NO','NOD'.'IPA'.'OSA')</pre>
			40	and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER DATE HERE', 'YYYYMMDD') and to_date('ENTER
			41	and state cd in ('ENTER STATE CODE')

In the Code workspace, click the Save As option.



The Save As pop-up screen is displayed. Drill down in the folder menu to highlight your My Snippets folder: SAS Content->Users -> okta-username@okta-prod.qualnet.org -> My Folder -> My Snippets.

	Save As	
	P Filter	
 Folder Shortcuts Workspace SAS Content Example Code Model Repositories Products Projects Projects Obsers Obsers Obsta My Folder Data My Snippets My Tasks SAS Videos 	No items	
lame: hha_asmt_template_extract_multiple_condition	Type: Program (*.sas)	•

Update the name as desired. Click the Save button to save your copy of the report code.

Note: <u>Snippets are saved to the My Snippets folder under your User folder in the Explorer section. Drill down to the folder</u> by opening the following folders: SAS Content->Users -> okta-username@okta-prod.qualnet.org -> My Folder -> My <u>Snippets.</u>

Accessing Saved Extract Tool Code Snippet

From the SAS Viya desktop page displayed after logging in, click on the Menu (pictured as 3 horizontal bars) in the top left corner of the page.



Under the Analytics Life Cycle heading, choose the Develop SAS Code option.



SAS Studio desktop will be displayed. Make sure that the Explorer menu is displayed by selecting the Explorer Icon (the 2^{nd} icon in the list displayed in the left column.



SAS Studio desktop will be displayed. In the Explorer section in the left side of the page, open the **SAS Content** Folder. Next, open the **Users** folder. Next, open your folder (named <u>okta-##LLLL@okta-prod@qualnet.org</u>). Open **My Folder**. Finally, open the **My Snippets** folder to display the SAS Code you have saved for running reports.

Explorer
My Favorites
Folder Shortcuts
▶ 📃 Workspace
SAS Content
Example Code
Model Repositories
Products
Projects
Public Public
- 🗖 Users
okta @okta-prod.qualnet.org
Application Data
My Folder
Data
My Snippets
🛃 demo_hha_asmt_template_extract
My Tasks
SAS Videos

Double-click on the snippet you saved for the MDS Extract Tool Report to open the snippet in a new Code window.

Updating Report Parameters MDS Extract Tool Reports

Each time you run the report you need to update the report User Input Parameters in the Code window to return the extract record.

🐧 Start	Page	🍕 mds_nh	_extract_tool_template.sas ×	+	
🛧 Run	Can	el 🖪 🖪	📑 Copy to My Snippets	り C 写 接Debug	
Code	_				
- 10		2. Replace	all input values in s	ection "USER INPUT PARAMETERS"	^
11		3. Click or	Run command (top lef	t of window)	- 11
12		4. Locate	txt file withing the	Folder created in Step1	
13		5. Right Cl	ick on file, select "	Download"	
14		0	-		
15	****	*********	******	***************************************	
16	/***	*********	*****	***************************************	
17			USER INPUT PARAM	ETERS DESCRIPTION	
18					
19	Para	meters to (hange When Saving A C	opy in My Snippets:	
20	i_my	lib =	User Defined libname	(8 characters or less. Ex. aa0000)	
21	i_ca	sout =	CASLIB where you wan	t the table created (Note: Irrelevant as it is in-memory)	
22	i_fo	lderpath =	Folder location where	e output file be created	
23			Ex. '/Users/okta-aa0	000@okta-prod.qualnet.org/My Folder/Output';	
24			NOTE: In Explorer wi	ndow, right click on folder created above, select "Properties" to get folderpath	
25					
26	Para	meters to l	pdate Before Each Run	:	
27	i_db	ns_where =	Create custom where	conditions. Use Option1, Option2, Option3 queries below	
28					
29	i_ou	tput_file_r	ame = Name of your ou	tput file (Note: Must end .txt and be in single quotes)	
30			Ex. 'mds_test_file.t	xt'	
32	****	********	*****	***************************************	
33	*		USER INPUT PARAMETER	5 ;	
34					
35	%let	i_mylib =	mdsdata;		
36	%let	i_casout =	iQIES_MDS_EXTRACT_DA	TA;	
37	%let	i_folderpa	th = '/Users/okta-aa0	000@okta-prod.qualnet.org/My Folder';	
38					
39	%let	1_dbms_whe	re = mds_itm_sbst_cd :	in ('NC', 'NQ', 'NP', 'NS', 'NSD', 'NO', 'NOD', 'IPA', 'OSA')	
40	and	to_date(trg	t_dt, 'YYYYMMDD') beti	ween to_date('ENIER DAIE HERE', 'YYYYMMDD') and to_date('ENIER DAIE HERE', 'YYYYMMDD')	
41	and	state_cd in	(ENTER STATE CODE')		
42	and	aoooop_mdcr	_num in (ENTER HICN.	, ENTEK MBI);	
43	¥1+	i autaut i	Ale name - Inde Cloud	autority tut's	
44	%iet	I_OUTPUT_1	<pre>iiie_name = mds_fixed</pre>	_extract.txt ;	
46	L				
47	/***	********	******	*****	
48			1_DBMS_WHERE QUERY O	PTIONS	
49 50	**00	TTON 1 - 54	arch by HICN and MRT	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
50		12010 2 20	aren by men and hor		

User Input Parameters

Parameters to Change When Saving A Copy in My Snippets:

i_mylib - User Defined libname NOTE: Must be 8 characters or less.

i_casout – The customized name of the output result set. **NOTE**: *For the MDS extract tool reports, you do not need to change this parameter.*

i_folderpath - Folder location where output file be saved.

Parameters to Update Before Each Run:

i_dbms_where - Create custom where conditions. See Query Options for Extract Tool Reports section for more information.

i_output_file_name - Name of your output file. The file name must end .txt and be in single quotes. Example: 'MDS_test_file.txt'. **NOTE**: *If you do not change the file name each time you run the job, the system will save over a previously created file with the same name.*

Saving Library, CASOUT and FOLDERPATH User Input Parameters

It is recommended that you update and save the **i_mylib** and **i_folderpath** parameters for both versions of the MDS Extract Tool reports before you run the first job.

To set your libname, update the value between the '=' sign and the semi-colon (;) for **i_mylib.** The defined library name **must be 8 characters or less**.

To set your folderpath, update the value between the '=' sign and the semi-colon (;) for **i_folderpath**. It is recommended that you set the folderpath to your My Folder or a folder within My Folder. Example '/Users/okta-aa0000@okta-prod.qualnet.org/My Folder'.

NOTE: In Explorer window, right click on folder and select <u>Properties</u> to get folderpath.

🖌 🗖 Users			
🖌 🗖 okta- 🛛 @okt	ta-prod.qualnet.org		
🖻 🗖 Application I	Data		
 My Folder Data My Snipi My Tasks SAS Vide hha_pre mds_tes 	Collapse all Sort by New folder Add as shortcut Insert as path	>	
	Search in		
	Delete Move to	Folder Properties	×
	Copy to Upload files Refresh Properties	Name: * My Folder Location: /Users/okta- @okta-prod.qualnet.org/My Folder	

To save changes to your code snippet, click on the disk icon.



Definition of Key Search Fields for Query Options

- mds_itm_sbst_cd Item Subset Code. For the MDS NH Extract Tool reports, this should always be set to return assessments with NC, NQ, NP, NS, NSD, NO, NOD, IPA, OSA codes. For the MDS SB Extract Tool reports, this should always be set to return assessments with SP, SS, SSD, SO, SOD, IPA, OSA codes.
- trgt_dt The target date is based upon the type of record identified by the A0310F value. The Target Date is the Discharge Date (A2000) for records with an A0310F value = 10, 11 or 12, Entry Date (A1600) for records with an A0310F value = 01, and the Assessment Reference Date (A2300) for records with an A0310F value = 99. The Target Date for the Medicare PPS Part A Discharge record not combined with an OBRA Discharge is the Assessment Reference Date (A2300). The Target Date for a Medicare PPS Part A Discharge record that is combined with an OBRA Discharge is the Discharge Date (A2000). All dates should be entered in YYYYMMDD format.
- **state_cd** Two-character state abbreviation for the state where the assessment was submitted.
- **a0600b_mdcr_num** Medicare Number. For assessments completed prior to 4/1/2018, this value will be the HICN. For assessments submitted after 1/1/2020, this value will be the MBI. For assessments submitted between 4/1/2018 and 1/1/2020, this field could contain either the MBI or the HICN.
- a0600a_ssn_num Social Security Number submitted on the assessment
- **c_ssnri_trnsltn_mbi_txt** Resident MBI from the SSNRI translator (on assessments after 4/1/2018)
- **c_ssnri_trnsltn_hicn_txt** Resident HICN from the SSNRI translator (on assessments after 4/1/2018)
- **a0500c_last_name** Resident's last name
- a0500a_first_name- Resident's first name
- **a0900_birth_dt** Resident's date of birth in YYYYMMDD format
- **a0800_gndr_cd** Resident's gender code. For male, enter 1. For female, enter 2.
- mds_asmt_id 15-character MDS Assessment ID with leading zeros. Example: '000071258945611'

Query Options for MDS 3.0 Nursing Home Extract Tool Reports

Open the mds_nh_extract_tool_template.sas report. Update the **%let i_dbms_where** = condition with a query below.

OPTION 1 – Search by Medicare Number using HICN and MBI.

NOTE: *For assessments submitted prior to 4/1/2018, the A0600B Medicare Number will be the HICN. For assessments submitted on or after 1/1/2020, the A0600B Medicare Number will be the MBI. It is recommended to enter both the HICN and MBI to search for assessments submitted between 4/1/2018 and 12/31/2019.*

Copy and paste the following condition in the %let i_dbms_where section in User Input Parameters:

%let i_dbms_where = mds_itm_sbst_cd in ('NC','NQ','NP','NS','NSD','NO','NOD','IPA','OSA') and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE HERE', 'YYYYMMDD') and state_cd in ('ENTER VALUE HERE') and a0600b mdcr num in ('ENTER HICN','ENTER MBI');

*To use this option:

1. Replace the 'ENTER VALUE HERE' for trgt_dt with the beginning and end dates you wish to search. Be sure to enter the date in YYYYMMDD format and keep the single quote around the date. *Example: and to_date(trgt_dt, 'YYYYMMDD') between to_date('20190901', 'YYYYMMDD') and to_date('20190930', 'YYYYMMDD')*

2. Enter the two-character state abbreviation in the single quotes for the state_cd condition. *Example: and state_cd in ('CA')*. To include multiple states, add a comma to separate the states. *Example: state_cd in ('CA','AZ')*.

3. Enter the HICN and MBI in the condition for a0600b_mdcr_num. If you are searching for both the HICN and the MBI in this field, put single quotes around each value and a comma between the values. **NOTE**: <u>Be sure to capitalize any letters</u> in the HICN or MBI. Example: a0600b_mdcr_num in ('123456789A','Z123Y45X67')

4. Be sure that the last condition ends with ';'.

OPTION 2 – Search by MBI, HICN, and SSN.

Copy and paste the following condition in the %let i_dbms_where section in User Input Parameters:

%let i_dbms_where = mds_itm_sbst_cd in ('NC','NQ','NP','NS','NSD','NO','NOD','IPA','OSA') and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE HERE', 'YYYYMMDD') and state_cd in ('ENTER VALUE HERE') and (a0600b_mdcr_num in ('ENTER HICN','ENTER MBI') or a0600a_ssn_num = 'ENTER SSN');

*To use this option:

1. Replace the 'ENTER VALUE HERE' for trgt_dt with the beginning and end dates you wish to search. Be sure to enter the date in YYYYMMDD format and keep the single quote around the date. *Example: and to_date(trgt_dt, 'YYYYMMDD') between to_date('20190901', 'YYYYMMDD') and to_date('20190930', 'YYYYMMDD')*

2. Enter the two-character state abbreviation in the single quotes for the state_cd condition. *Example: and state_cd in ('CA')*. To include multiple states, add a comma to separate the states. *Example: state_cd in ('CA','AZ')*.

3. Enter the HICN and MBI in the condition for a0600b_mdcr_num. If you are searching for both the HICN and the MBI in this field, put single quotes around each value and a comma between the values. **NOTE**: <u>Be sure to capitalize any letters</u> <u>in the HICN or MBI. Example: a0600b_mdcr_num in ('123456789A','Z123Y45X67')</u>

4. Enter the SSN in the condition for a0600a_ssn_num.

5. Be sure that the last condition ends with ';'.

OPTION 3 – Search by Last Name, Date of Birth, and Gender Code

Copy and paste the following condition in the %let i_dbms_where section in User Input Parameters:

%let i_dbms_where = mds_itm_sbst_cd in ('NC','NQ','NP','NS','NSD','NO','NOD','IPA','OSA') and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE HERE', 'YYYYMMDD') and state_cd in ('ENTER VALUE HERE') and a0500c_last_name = 'ENTER VALUE HERE' and to_date(a0900_birth_dt, 'YYYYMMDD') = 'ENTER VALUE HERE IN YYYMMDD FORMAT' and a0800_gndr_cd = 'ENTER VALUE HERE';

*To use this option:

1. Replace the 'ENTER VALUE HERE' for trgt_dt with the beginning and end dates you wish to search. Be sure to enter the date in YYYYMMDD format and keep the single quote around the date. *Example: and to_date(trgt_dt, 'YYYYMMDD') between to_date('20190901', 'YYYYMMDD') and to_date('20190930', 'YYYYMMDD')*

2. Enter the two-character state abbreviation in the single quotes for the state_cd condition. *Example: and state_cd in ('CA')*. To include multiple states, add a comma to separate the states. *Example: state_cd in ('CA','AZ')*.

3. Enter the last name of the beneficiary in the single quotes in the a0500c_last_name = 'ENTER VALUE HERE' condition. 4. Enter the beneficiary's date of birth in the single quotes in the to_date(a0900_birth_dt, 'YYYYMMDD') = 'ENTER VALUE HERE IN YYYMMDD FORMAT' condition. The date must be in YYYYMMDD format. Example: for 12/31/1900 use to date(a0900 birth dt, 'YYYYMMDD') = '19001231'

5. Enter the beneficiary's gender in the single quotes in the a0800_gndr_cd = 'ENTER VALUE HERE' condition. Use '1' for male or '2' for female.

6. Be sure that the last condition ends with ';'

Possible Modification

*Search by Last Name, Date of Birth, Gender Code, and First Name:

Copy and paste the following condition in the %let i_dbms_where section in User Input Parameters:

%let i_dbms_where = mds_itm_sbst_cd in ('NC','NQ','NP','NS','NSD','NO','NOD','IPA','OSA') and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE HERE', 'YYYYMMDD') and state_cd in ('ENTER VALUE HERE') and a0500c_last_name = 'ENTER VALUE HERE' and a0500a_first_name = 'ENTER VALUE HERE' and to_date(a0900_birth_dt, 'YYYYMMDD') = 'ENTER VALUE HERE IN YYYMMDD FORMAT' and a0800_gndr_cd = 'ENTER VALUE HERE';

Other Query Options

Search by HICN using the A0600B Medicare Number and SSNRI HICN Translator value

%let i_dbms_where = mds_itm_sbst_cd in ('NC','NQ','NP','NS','NSD','NO','NOD','IPA','OSA') and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE HERE', 'YYYYMMDD') and state_cd in ('ENTER VALUE HERE') and a0600b_mdcr_num in ('ENTER HICN','ENTER MBI') or c_ssnri_trnsltn_hicn_txt = 'ENTER HICN';

Search by MBI using the A0600B Medicare Number and the SSNRI MBI Translator Value

%let i_dbms_where = mds_itm_sbst_cd in ('NC','NQ','NP','NS','NSD','NO','NOD','IPA','OSA') and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE HERE', 'YYYYMMDD') and state_cd in ('ENTER VALUE HERE') and a0600b_mdcr_num in ('ENTER HICN','ENTER MBI') or c ssnri trnsltn mbi txt = 'ENTER MBI';

Search by HICN using the A0600B Medicare Number and SSNRI HICN Translator value

%let i_dbms_where = mds_itm_sbst_cd in ('NC','NQ','NP','NS','NSD','NO','NOD','IPA','OSA') and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE HERE', 'YYYYMMDD') and state_cd in ('ENTER VALUE HERE') and a0600b_mdcr_num in ('ENTER HICN','ENTER MBI') or c_ssnri_trnsltn_hicn_txt = 'ENTER HICN' or a0600a ssn num = ('ENTER SSN');

Search by MBI using the A0600B Medicare Number and the SSNRI MBI Translator Value

```
%let i_dbms_where = mds_itm_sbst_cd in ('NC','NQ','NP','NS','NSD','NO','NOD','IPA','OSA')
and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE
HERE', 'YYYYMMDD')
and state_cd in ('ENTER VALUE HERE')
and a0600b_mdcr_num in ('ENTER HICN','ENTER MBI')
or c_ssnri_trnsltn_mbi_txt = 'ENTER MBI'
or a0600a_ssn_num = ('ENTER SSN');
```

Query Options for MDS 3.0 Swing Bed Extract Tool Reports

Open the mds_sb_extract_tool_template.sas report. Update the **%let i_dbms_where =** condition with a query below.

OPTION 1 – Search by Medicare Number using HICN and MBI.

NOTE: *For assessments submitted prior to 4/1/2018, the A0600B Medicare Number will be the HICN. For assessments submitted on or after 1/1/2020, the A0600B Medicare Number will be the MBI. It is recommended to enter both the HICN and MBI to search for assessments submitted between 4/1/2018 and 12/31/2019.*

Copy and paste the following condition in the %let i_dbms_where section in User Input Parameters:

%let i_dbms_where = mds_itm_sbst_cd in ('SP','SS','SSD','SO','SOD','IPA','OSA') and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE HERE', 'YYYYMMDD') and state_cd in ('ENTER VALUE HERE') and a0600b mdcr num in ('ENTER HICN','ENTER MBI');

*To use this option:

1. Replace the 'ENTER VALUE HERE' for trgt_dt with the beginning and end dates you wish to search. Be sure to enter the date in YYYYMMDD format and keep the single quote around the date. *Example: and to_date(trgt_dt, 'YYYYMMDD') between to_date('20190901', 'YYYYMMDD') and to_date('20190930', 'YYYYMMDD')*

2. Enter the two-character state abbreviation in the single quotes for the state_cd condition. *Example: and state_cd in ('CA')*. To include multiple states, add a comma to separate the states. *Example: state_cd in ('CA','AZ')*.

3. Enter the HICN and MBI in the condition for a0600b_mdcr_num. If you are searching for both the HICN and the MBI in this field, put single quotes around each value and a comma between the values. **NOTE**: <u>Be sure to capitalize any letters</u> in the HICN or MBI. Example: a0600b_mdcr_num in ('123456789A','Z123Y45X67')

4. Be sure that the last condition ends with ';'.

OPTION 2 – Search by MBI, HICN, and SSN.

Copy and paste the following condition in the %let i_dbms_where section in User Input Parameters:

%let i_dbms_where = mds_itm_sbst_cd in ('SP','SS','SSD','SO','SOD','IPA','OSA') and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE HERE', 'YYYYMMDD') and state_cd in ('ENTER VALUE HERE') and (a0600b_mdcr_num in ('ENTER HICN','ENTER MBI') or a0600a_ssn_num = 'ENTER SSN');

*To use this option:

1. Replace the 'ENTER VALUE HERE' for trgt_dt with the beginning and end dates you wish to search. Be sure to enter the date in YYYYMMDD format and keep the single quote around the date. *Example: and to_date(trgt_dt, 'YYYYMMDD') between to_date('20190901', 'YYYYMMDD') and to_date('20190930', 'YYYYMMDD')*

2. Enter the two-character state abbreviation in the single quotes for the state_cd condition. *Example: and state_cd in ('CA')*. To include multiple states, add a comma to separate the states. *Example: state_cd in ('CA','AZ')*.

3. Enter the HICN and MBI in the condition for a0600b_mdcr_num. If you are searching for both the HICN and the MBI in this field, put single quotes around each value and a comma between the values. **NOTE**: <u>Be sure to capitalize any letters</u> <u>in the HICN or MBI. Example: a0600b_mdcr_num in ('123456789A','Z123Y45X67')</u>

4. Enter the SSN in the condition for a0600a_ssn_num.

5. Be sure that the last condition ends with ';'.

OPTION 3 – Search by Last Name, Date of Birth, and Gender Code

Copy and paste the following condition in the %let i_dbms_where section in User Input Parameters:

%let i_dbms_where = mds_itm_sbst_cd in ('SP','SS','SSD','SO','SOD','IPA','OSA') and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE HERE', 'YYYYMMDD') and state_cd in ('ENTER VALUE HERE') and a0500c_last_name = 'ENTER VALUE HERE' and to_date(a0900_birth_dt, 'YYYYMMDD') = 'ENTER VALUE HERE IN YYYMMDD FORMAT' and a0800_gndr_cd = 'ENTER VALUE HERE';

*To use this option:

1. Replace the 'ENTER VALUE HERE' for trgt_dt with the beginning and end dates you wish to search. Be sure to enter the date in YYYYMMDD format and keep the single quote around the date. *Example: and to_date(trgt_dt, 'YYYYMMDD') between to_date('20190901', 'YYYYMMDD') and to_date('20190930', 'YYYYMMDD')*

2. Enter the two-character state abbreviation in the single quotes for the state_cd condition. *Example: and state_cd in ('CA')*. To include multiple states, add a comma to separate the states. *Example: state_cd in ('CA','AZ')*.

3. Enter the last name of the beneficiary in the single quotes in the a0500c_last_name = 'ENTER VALUE HERE' condition. 4. Enter the beneficiary's date of birth in the single quotes in the to_date(a0900_birth_dt, 'YYYYMMDD') = 'ENTER VALUE HERE IN YYYMMDD FORMAT' condition. The date must be in YYYYMMDD format. Example: for 12/31/1900 use to date(a0900 birth dt, 'YYYYMMDD') = '19001231'

5. Enter the beneficiary's gender in the single quotes in the a0800_gndr_cd = 'ENTER VALUE HERE' condition. Use '1' for male or '2' for female.

6. Be sure that the last condition ends with ';'

Possible Modification

*Search by Last Name, Date of Birth, Gender Code, and First Name:

Copy and paste the following condition in the %let i_dbms_where section in User Input Parameters:

%let i_dbms_where = mds_itm_sbst_cd in ('SP','SS','SSD','SO','SOD','IPA','OSA') and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE HERE', 'YYYYMMDD') and state_cd in ('ENTER VALUE HERE') and a0500c_last_name = 'ENTER VALUE HERE' and a0500a_first_name = 'ENTER VALUE HERE' and to_date(a0900_birth_dt, 'YYYYMMDD') = 'ENTER VALUE HERE IN YYYMMDD FORMAT' and a0800_gndr_cd = 'ENTER VALUE HERE';

Other Query Options

Search by HICN using the A0600B Medicare Number and SSNRI HICN Translator value

%let i_dbms_where = mds_itm_sbst_cd in ('SP','SS','SSD','SO','SOD','IPA','OSA') and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE HERE', 'YYYYMMDD') and state_cd in ('ENTER VALUE HERE') and a0600b_mdcr_num in ('ENTER HICN','ENTER MBI') or c_ssnri_trnsltn_hicn_txt = 'ENTER HICN';

Search by MBI using the A0600B Medicare Number and the SSNRI MBI Translator Value

%let i_dbms_where = mds_itm_sbst_cd in ('SP','SS','SSD','SO','SOD','IPA','OSA') and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE HERE', 'YYYYMMDD') and state_cd in ('ENTER VALUE HERE') and a0600b_mdcr_num in ('ENTER HICN','ENTER MBI') or c_ssnri_trnsltn_mbi_txt = 'ENTER MBI';

Search by HICN using the A0600B Medicare Number and SSNRI HICN Translator value

%let i_dbms_where = mds_itm_sbst_cd in ('SP','SS','SSD','SO','SOD','IPA','OSA') and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE HERE', 'YYYYMMDD') and state_cd in ('ENTER VALUE HERE') and a0600b_mdcr_num in ('ENTER HICN','ENTER MBI') or c_ssnri_trnsltn_hicn_txt = 'ENTER HICN' or a0600a ssn num = ('ENTER SSN');

Search by MBI using the A0600B Medicare Number and the SSNRI MBI Translator Value

%let i_dbms_where = mds_itm_sbst_cd in ('SP','SS','SSD','SO','SOD','IPA','OSA')
and to_date(trgt_dt, 'YYYYMMDD') between to_date('ENTER VALUE HERE', 'YYYYMMDD') and to_date('ENTER VALUE
HERE', 'YYYYMMDD')
and state_cd in ('ENTER VALUE HERE')
and a0600b_mdcr_num in ('ENTER HICN','ENTER MBI')
or c_ssnri_trnsltn_mbi_txt = 'ENTER MBI'
or a0600a_ssn_num = ('ENTER SSN');

Running MDS Extract Tool Report

Once the report parameters have been entered, click the Run button at the top of the page.

🕼 Start Page	🖉 mod_hha_asmt_template.sas × 🕂
🖈 Run 🔳 Cand	cel 🕫 💀 🖹 Copy to My Snippets 🛛 🏷 🖓 🚎 茂 Debug
Code	

SAS indicates that a job is running by displaying a blue rotating circle in the tab for the report code you are running. The Run button is also greyed out.

জি Start Page	C * mod_hha_asmt_template.sas x +
📌 Run 🔳 Can	cel 🖲 🖲 🗄 Copy to My Snippets 🏷 (* 蒜 煮 Debug
Code	

When the job is complete, the system will display an asterisk in the tab for the report code you just ran.

🐧 Start Page	🛃 * mod_hha_asmt_template.sas × 🕂
🛧 Run 🔳 Can	cel 🕫 🐻 🕃 Copy to My Snippets 🏷 (ご 聾 鉄Debug
Code	

Saving Multiple Versions of MDS Extract Tool Report Code

If you don't want to copy and paste the query options each time you run the job, you can use the Save As option to create multiple versions of the MDS Extract Tool Report for each query option or modification you use. Update the **%let i_dbms_where** section is set with the parameters you to save. To save the changes to a new copy of the code, click on the writing disk icon.

Start Page	🏽 * mod_hh	na_asmt_template.sas ×	+			
🖈 Run 🔳 Cano	:el 🖪 💽	🖹 Copy to My Snippe	ts	n C	 =+	贫Debug

Downloading and Deleting Extract Files

When the job is complete, you can download the output by opening the folder you designated in the **i_folderpath**. Ex. / Users/okta-aa0000@oktaprod.qualnet.org/My Folder/data.

Right click on the file you created using **i_output_file_name**. Ex. 'name_MDS_extract_file.txt'. Select the <u>Download file</u> option. Once you have downloaded the file, you can delete the file by right clicking on the file and selecting the <u>Delete</u> option.

🖌 🛅 Users					
🖌 🗖 okta- 🛛 @okta-prod.qualnet.org					
Application Data					
🖌 🛅 My Folder					
🖌 🛅 Data					
j153250_hha_fi	Open				
E) i153752 bba fi	Insert				
▶ ☐ My Snippets	Insert as path				
▷ 🗖 My Tasks ▷ 🗖 SAS Videos	Import data				
🖻 🗖 pcrawford@okta-prod.qu	Open as program				
	Add to My Favorites				
	Create file reference				
	Delete				
	Move to				
	Copy to				
	Download file				
	Properties				