

New and Improved Data Completeness

To navigate to the data completeness section, hover over Harvest/Export and select Data Completeness.

蔘 CardiacCare™	Search Patients	go	+ New Patient					Harvest/Export +	Utilities -	Settings
Patient Se	arch	Showing Recentl	ly Viewed Patients(show	v search results)				Data Completeness		
Search By		Last	t Name	First Name	Middle Name	MRN	Gender	Data Export		Alternate ID
Patient Name	~							ACC/NCDR Harvest		
Search Text								NCDR Submission AHA/GWTG Harvest		
Patient Type								CCORP Harvest STS Harvest		
All Patients	V									
Data Form										
All Data Forms	V									
Facility										
All Facilities										
Clear	iearch									

You can select the Registry, Facility, and Quarter or choose your timeframe. You can also set a specific View if you decide to do so. Selecting a facility isn't required for you to run the search.

🧼 CardiacCare™	Search Patients	go + New Patient						Harvest/E	xport ~ Ut
Data Compl	eteness All F	acilities	Manually	select dates 🛛 🗸	mm/dd/yyyy dates	mm/dd/yyyy	All Views	F	Run Clear
								-	
electing the	ACC/NCDR Cath	PCI v5.0 form	n allows you '	to check E	xclude Diagno	ostic Cath Only	Episodes of	Care.	
Data Complete	eness								
ACC/NCDR CathPCI v	cath Only Episodes of Care	n Heart Health X	Q4 2023	cords with missing d	10/01/2023	12/31/2023	All Views		Run Clea

If you select *Include records with missing dates,* it will include procedures that don't have a date within your specified timeframe.



After inputting the Data form, facility, quarter, or specific timeframe, you are now ready to select Run The patient records will be displayed within the timeframe you chose. **Data Completeness** ACC/NCDR CathPCI v5.0 × V All Facilities Manually select dates v 01/01/2020 02/20/2024 All Views Clear Exclude Diagnostic Cath Only Episodes of Care Include records with missing dates Filter (expand to choose filters) 5 Records Select a record to view list of questions with Last Name First Name DOB MRN Procedure Date 17 Arrival Date Discharge Date Abstractor **X** 4 * : A ÷ 0 errors All 84 Patient Test 05/05/1955 MR123456 08/04/2020 08/12/2020 08/12/2020 342514325 49 Sammy Samme 01/11/1950 06/10/2020 06/10/2020 06/20/2020 1 74 ACOSTA SHELBY 10/14/1956 767759757 05/03/2022 05/01/2022 05/05/2022 ACOSTA SHELBY 10/14/1956 767759757 05/02/2022 05/01/2022 05/05/2022 85 MPA333145 AARON SHARLA 05/11/1948 02/05/2024 02/04/2024 02/07/2024 CHRISTIAN BARNES

You can filter through the patient records once you input the data for your completeness check. You can use the Filter option at any time. Selecting the Filter arrow will expand the chart to show you the Display Columns, Errors, Question Types, and Relevant Questions. You will notice that the icons under Errors match those next to the patients.

Filter (expand to choose filters)			
Display Columns	Errors	Question Types	Relevant Questions
First Name	Show Missing	No Attributes	Z. Administration
DOB	🖾 🌟 Show Unusual	🛛 📴 Custom Question	A. Demographics
MRN	Show Required	🖉 🥹 Minimal Data Set	B. Episode of Care
Procedure Date	🖾 ⊘ Show Invalid	🖾 🔟 AUC	E C. History and Risk Factors
Arrival Date			D. Pre-Procedure Information
Discharge Date			SAQ and Rose Dyspnea Scale
Abstractor			E. Procedure Information
			🕀 🗹 F. Labs
			🕀 🗹 G. Cath Lab Visit
			H. Coronary Anatomy
			5 Records

												Records
Last Name 🗘	First Name 💠	DOB 💠	MRN \$	Procedure Date ↓	Arrival Date 🗢	Discharge Date 🗢	Abstractor \$	X ¢	* ÷	A ¢	0 🗘	
							All 🗸					
Patient	Test	05/05/1955	MR123456	08/04/2020	08/12/2020	08/12/2020		84		1	3	Ø
Sammy	Samme	01/11/1950	342514325	06/10/2020	06/10/2020	06/20/2020		49	1		1	Ø
ACOSTA	SHELBY	10/14/1956	767759757	05/03/2022	05/01/2022	05/05/2022		74				Ø
ACOSTA	SHELBY	10/14/1956	767759757	05/02/2022	05/01/2022	05/05/2022		85				Ø
AARON	SHARLA	05/11/1948	MPA333145	02/05/2024	02/04/2024	02/07/2024	CHRISTIAN BARNES	1	2			

Show Missing = There is no data filled out for that question.

Show Unusual = This may be outside the standard metric and may require double-checking the data.

Show Required = This data was left blank and must be filled out for a successful submission.

Show Invalid = There is data entered, but it is not a valid value.

**Missing and required data do not overlap. A required field that is missing will only show up as a red required missing and not a regular purple missing field **Unusual and Invalid data CAN overlap, but it is rare for this to happen in practice. Our data form does

NOTE – Some, or a percentage of the regular missing fields may be required to pass submission.



not allow invalid data entered by the user to be saved, but data can become invalid in other ways. A field could show up as both invalid and unusual**

Unchecking an item under the Display Columns will remove that item from displaying on the patient's records. The example below shows that the Arrival Date is unchecked. Therefore, it is no longer visible next to the patient's records.



06/20/2020

05/05/2022

05/05/2022

02/07/2024

49

74

85

1

CHRISTIAN BARNES

1

2

1

Sammy

ACOSTA

ACOSTA

AARON

irrelevant.

Samme

SHELBY

SHELBY

SHARLA

01/11/1950

10/14/1956

10/14/1956

05/11/1948

342514325

767759757

767759757

MPA333145

06/10/2020

05/03/2022

05/02/2022

02/05/2024

Like Display Columns, the Errors section allows you to filter through those options by unchecking certain boxes. The example below shows that Show Required is the only error checked; therefore, it is reflected on the patient record. Test Patient is the only patient in the search with a Show Required error, so this patient is the only one visible.

You can do this with any item under Display Columns, removing that item from displaying on the patient's record. You may be interested in this option if you only look for the Procedure or Discharge Date, and the arrival date may be

Filter (expand to choos	e filters)											
 Filter (expand to choos Display Columns First Name DOB MRN Procedure Date Arrival Date Discharge Date Abstractor 	e filters)	 Errors Show Miss Show Unu A Show Rec Show Inva 	ing sual ulired lid		 Question Typ No Attribut Custon O Minima AUC 	es es n Question Il Data Set	 ☑ Relevant Questions ⊕ ☑ Z. Administ ⊕ ☑ A. Demogr ⊕ ☑ B. Episode ⊕ ☑ C. History : ⊕ ☑ D. Pre-Pro ⊕ ☑ SAQ and F ⊕ ☑ E. Procedu ⊕ ☑ F. Labs ⊕ ☑ G. Cath La ⊕ ☑ H. Coronard 	tration aphics of Care and Risk cedure Ir Rose Dys ire Inform b Visit y Anator	Factors nformatio pnea Sc nation	on		
											5 F	Records
Last Name 🗘	First Name	DOB \$	MRN \$	Pro	cedure Date ↓	Discharge Date 🗢	Abstractor \Leftrightarrow	X \$	*÷	A ≑	Ø \$	
Patient	Test	05/05/1955	MR123456	08/0	4/2020	08/12/2020		84		1	3	
Sammy	Samme	01/11/1950	342514325	06/1	0/2020	06/20/2020		49	1		1	
ACOSTA	SHELBY	10/14/1956	767759757	05/0	3/2022	05/05/2022		74				
ACOSTA	SHELBY	10/14/1956	767759757	05/0	2/2022	05/05/2022		85				
AARON	SHARLA	05/11/1948	MPA333145	02/0	05/2024	02/07/2024	CHRISTIAN BARNES	1	2			



Filter (expand to choose filters)			
 Display Columns First Name DOB MRN Procedure Date Arrival Date Discharge Date Abstractor 	 Errors Show Missing Show Unusual A Show Required Show Invalid 	 Question Types No Attributes So Custom Question Minimal Data Set AUC 	 Relevant Questions Z. Administration A. Demographics B. Episode of Care C. History and Risk Factors D. Pre-Procedure Information SAQ and Rose Dyspnea Scale E. Procedure Information E. Procedure Information F. Labs G. Cath Lab Visit H. Coronary Anatomy
			1 Record
Last Name 💠 First Name	DOB	Procedure Date ↓ ↓	ge Date Abstractor All V
Patient Test	05/05/1955 MR123456	08/04/2020 08/12/20	020 1 2

Selecting the Question Type lets you view patient record attributes: Custom Questions, Minimal Data Set, and AUC. The image below shows an example of Appropriate Use Criteria selected. The patient Shelby Acosta was selected, and on the right side of the screen, you can see the missing AUC from this patient record.

Filter (expand to choose	se filters)																
 Display Columns First Name DOB MRN Procedure Date Arrival Date Discharge Date Abstractor 		 Errors Show Show A show Show Show 	Missi Unus Req Inval	ing sual uired id		Question Ty No Attribut © Custor © Minim: © AUC	es es n Question al Data Set			■ Relevant Question □ Z. Admini □ A. Demog □ A. Demog □ B. Episod □ C. History □ D. Pre-Pr □ D. Pre-Pr □ SAQ and □ E. Proceet □ F. Proceet □ G. Cath L □ G. Cath L □ W. H. Corona	istratio graphi de of C y and I rocedu Rose dure Ir _ab Vis ary An	n are Risk F re Info Dyspi forma itt atomy	actors ormatio nea Sc ation	n ale			
															4	Records	ACOSTA, SHELBY (5/2/2022 7:00 AM)
Last Name 🗘	First Name		\$	MRN	÷ F	Procedure Date 17	Discharge E	Date 🗘	A	All v	• X	\$	*≎	A ¢	Ø ‡		Correct Record
Patient	Test	05/05/1955		MR123456	0	08/04/2020	08/12/2020				(5		1	1	Ø	C. HISTORY AND RISK FACTORS
Sammy	Samme	01/11/1950		342514325	C	06/10/2020	06/20/2020					3			1	Ø	🧐 🥙 Prior Coronary Artery Bypass Graft
ACOSTA	SHELBY	10/14/1956		767759757	C	05/03/2022	05/05/2022				6	D	0	0		Ø	[4515: PriorCABG]
ACOSTA	SHELBY	10/14/1956		767759757	C	56/02/2022	05/05/2022				•	8				đ	 Diabetes Mellitus (455: Diabetes) D. PRE-PROCEDURE INFORMATION PRE-PROCEDURE MEDICATIONS SAQ AND ROSE DYSPNEA SCALE SA QUESTIONNAIRE OVER THE PAST FOUR WEEKS, AS A RESULT OF YOUR ANGINA, HOW MUCH DIFFICULTY HAVE YOU HAD IN:
																	20 Data: Difficulty walking indoors on level ground (5301: PreProcSAQQ1a)

The image below shows patient Sharla Aaron highlighted. On the right, you can see the patient's name, **1** Show Missing Error, and **2** Show Unusual Errors.



										5	Records	AARON SHARLA (2/5/2024 10:44 PM)
Last Name 🔶	First Name 🗘	DOB 💠	MRN \$	Procedure Date	Discharge Date 👙	Abstractor \$	X ÷	*÷	A ÷	Ø ‡		
						All						Correct Record
Patient	Test	05/05/1955	MR123456	08/04/2020	08/12/2020		84		1	3	Ø	Z. ADMINISTRATION
Sammy	Samme	01/11/1950	342514325	06/10/2020	06/20/2020		49	1		1	Ø	ABSTRACTOR (CUSTOM)
ACOSTA	SHELBY	10/14/1956	767759757	05/03/2022	05/05/2022		74					Abstractor Date
ACOSTA	SHELBY	10/14/1956	767759757	05/02/2022	05/05/2022		85	0				E. PROCEDURE INFORMATION
AARON	SHARLA	05/11/1948	MPA333145	02/05/2024	02/07/2024	CHRISTIAN BARNES	1	2	0		Ø	Systolic Blood Pressure [6016: ProcSystolicBP]*
												Oontrast Volume [7215: ContrastVol]*

If you select Correct Record, a window with just the missing information will appear for that patient. You can choose to fill out the missing information, or you can select See Full Record to go to the entire case. The data you enter in this window is automatically saved.

Exclude Diagnostic Cath Ony Episodes of Care </th <th>ACC/NCDR CathF</th> <th>PCI v5.0 × V</th> <th>All Facilities</th> <th>1</th> <th></th> <th></th> <th>Run Clear</th>	ACC/NCDR CathF	PCI v5.0 × V	All Facilities	1			Run Clear
Fifter (orpand to choose filters) Abstractor (Custom) 	Exclude Diagnos	tic Cath Only Episodes of	Care	✓ Z. Administration			
Last Name First Name DOB Patient Test 05/05/1955 Sammy Samme 01/11/1950 ACOSTA SHELBY 01/11/1950 ACOSTA SHELBY 01/11/1950 ACOSTA SHELBY 01/11/1950 OS/105/1056 Procedure information COSTA SHELBY 01/11/1950 OS/05/1056 Procedure information COSTA SHELBY 01/11/1950 COSTA SHALA 05/101/11/1950 COSTA SHARLA 05/11/1940 CONTrast Volume [7215: ContrastVol] 05/001/2016/001 Contrast Volume [7215: ContrastVol] 05/001/2016/001/2016/001	➢ Filter (expand to	choose filters)		✓ Abstractor (Custom)			
Patient Test 05/05/1955 Sammy Samme 01/11/1950 ACOSTA SHELBY 01/11/1950 ACOSTA SHELBY 10/14/1956 ACOSTA SHAELA 05/11/1945 OS Contrast Volume [7215: ContrastVol] 350 mt · Usual range is between 5 and 300 · Usual range is between 5 and 300 · Usual range is between 5 and 300	Last Name	First Name		🛿 😰 Abstractor Date	mm/dd/yyyy		AARON, SHARLA (2/5/2024 10:44 PM)
Samme 01/11/1950 ABSTRACTOR (CUSTOM) ACOSTA SHELBY 10/14/1956 © Systolic Blood Pressure [6016: ProcSystolicBP] 8 mm[Haj] Abstractor Date ACOSTA SHELBY 10/14/1956 · Usual range is between 50 and 220 - <td>Patient</td> <td>Test</td> <td>05/05/1955</td> <td>✓ E. Procedure Information</td> <td></td> <td></td> <td>Z. ADMINISTRATION</td>	Patient	Test	05/05/1955	✓ E. Procedure Information			Z. ADMINISTRATION
KARON SHARLA 05/11/1948 © © Contrast Volume [7215: ContrastVol] 350 mL © Systolic Blood Pressure [6016: Proc Systol - Usual range is between 5 and 300 - Usual range is between 5 and 300 - Optimized Volume [7215: ContrastVolume [7215: ContrastVol	Sammy ACOSTA ACOSTA	Samme SHELBY SHELBY	01/11/1950 10/14/1956 10/14/1956	Systolic Blood Pressure [6016: ProcSystolicBP] Usual range is between 50 and 220	8	mm[Hg]	ABSTRACTOR (CUSTOM) Abstractor Date E. PROCEDURE INFORMATION
	ARON	SHARLA	05/11/1948	Contrast Volume [7215: ContrastVol] Usual range is between 5 and 300	350	mL	Systolic Blood Pressure [6016: ProcSystolic

Select this icon to access the patient record to make corrections. You can choose to see the Full Record from this window as well.

										5	Records	Sammy, Samme (6/10/2020 1:03 PM)
Last Name 🔶	First Name 🔶	DOB 🗘	MRN \$	Procedure Date 17	Discharge Date 👙	Abstractor	X \$	* 🗧	A ÷	0 🗘		·····
						All 🗸						Correct Record
Patient	Test	05/05/1955	MR123456	08/04/2020	08/12/2020		84		1	3		Z. ADMINISTRATION
Sammy	Samme	01/11/1950	342514325	06/10/2020	06/20/2020		49			0		ABSTRACTOR (CUSTOM)
ACOSTA	SHELBY	10/14/1956	767759757	05/03/2022	05/05/2022		74					Abstractor Name
ACOSTA	SHELBY	10/14/1956	767759757	05/02/2022	05/05/2022		85					Abstractor Date
AARON	SHARLA	05/11/1948	MPA333145	02/05/2024	02/07/2024	CHRISTIAN BARNES	1	2				A. DEMOGRAPHICS



			CEL	DARØN	
				calm the storm.	
Data Comple	eteness		Sammy, Samme DOB: 1/11/1950 MRN: 342514325 Procedure Date: 6/1	0/2020 13:03	All Record C
ACC/NCDR CathF	PCI v5.0 × V	All Facilities			🔺 🛛 🗸 Run Clear
Exclude Diagnos	tic Cath Only Episodes of	f Care	✓ Z. Administration		
Filter (expand to	choose filters)		✓ Abstractor (Custom)		
Last Name	First Name	🗢 ров 🗢	🛿 🔁 Abstractor Name	♥ (unspecified)	- T Sammy, Samme (6/10/2020 1:03 PM)
			🛿 😇 Abstractor Date	mm/dd/yyyy	Correct Record
Patient	Test	05/05/1955			Z. ADMINISTRATION
Sammy	Samme	01/11/1950			ABSTRACTOR (CUSTOM)
ACOSTA	SHELBY	10/14/1956	 A. Demographics 		Abstractor Name
ACOSTA	SHELBY	10/14/1956	🛿 😰 🧐 Other ID Same as MRN		Abstractor Date
AARON	SHARLA	05/11/1948	🛛 🗐 Other ID [2045: OtherID]		A. DEMOGRAPHICS
					Other ID Same as MRN
			0 0 Sex [2060: Sex]	(unspecified)	Other ID [2045: OtherID]
			Batiant Zin Code (2005: ZinCode)		Sex [2060: Sex]
					Patient Zip Code [2065: ZipCode]
			Previou	s Record 2 of 5 Next Record	IIISpanic or Latino Ethnicity [2076: HispOrig]
					B. EPISODE OF CARE
					Bealth Insurance Claim Number (HIC) [3015: HIC]
					Patient Enrolled in Research Study [3020: EnrolledStudy]
					C. HISTORY AND RISK FACTORS
					🕲 Weight [6005: Weight]*

After filling out a patient's record, you can easily select Next Record to move to the next patient on your list.

Last Name	First Name	DOB 💠	MRN \$	Procedure Date	Discharge Date 🗘	Abstractor \Rightarrow	X \$	* ÷	A ‡	Ø \$	
Patient	Test	05/05/1955	MR123456	08/04/2020	08/12/2020		84	0	1	3	
Sammy	Samme	01/11/1950	342514325	06/10/2020	06/20/2020		49	1		1	Ø
ACOSTA	SHELBY	10/14/1956	767759757	05/03/2022	05/05/2022		74				
ACOSTA	SHELBY	10/14/1956	767759757	05/02/2022	05/05/2022		85				
AARON	SHARLA	05/11/1948	MPA333145	02/05/2024	02/07/2024	CHRISTIAN BARNES	1	2			

Z. Administration			✓ Z. Administration	
✔ Abstractor (Custom)			✓ Abstractor (Custom)	
🛛 😰 Abstractor Name	(unspecified)	т Т	🛛 🕒 Abstractor Name	(unspecified) • •
😡 🔁 Abstractor Date	mm/dd/yyyy		Abstractor Date	mm/dd/yyyy
A. Demographics			A. Demographics	
) 🕙 SSN [2030: SSN]	NID123		🛿 📴 🚱 Other ID Same as MRN	0
SSN (2030) must be 9 numeric characters long	_		🛿 🚱 Other ID [2045: OtherID]	
Gother ID Same as MRN			0 🕑 Sex [2060: Sex]	(unspecified)
			Deliant Zin Onde 10005: ZinOndel	

Selecting an item under the patient's record will open the Correct Record window and take you straight to the item you selected.



calm the storm.

	· · · · · · · · · · · · · · · · · · ·							4	Recoras		
Last Name	First Name	DOB ¢	MRN \$	Procedure Date	Discharge Date 🔶	Abstractor	X \$	*÷	A ÷	Ø ‡	
						All 🗸					
Patient	Test	05/05/1955	MR123456	08/04/2020	08/12/2020		84		1	3	
Sammy	Samme	01/11/1950	342514325	06/10/2020	06/20/2020		49			1	
ACOSTA	SHELBY	10/14/1956	767759757	05/03/2022	05/05/2022		74				Ø
ACOSTA	SHELBY	10/14/1956	767759757	05/02/2022	05/05/2022		73				

Sammy, Samme (6/10/2020 1:03 PM)

Correct Record
Z. ADMINISTRATION
ABSTRACTOR (CUSTOM)
Abstractor Name
Abstractor Date
A. DEMOGRAPHICS
😰 🕲 Other ID Same as MRN
Other ID [2045: OtherID]
⊗ Sex [2060: Sex]
😢 Patient Zip Code [2065: ZipCode]
🕲 Hispanic or Latino Ethnicity [2076: HispOrig]
B. EPISODE OF CARE
⊗ Health Insurance Claim Number (HIC) [3015: HIC]
Patient Enrolled in Research Study [3020: EnrolledStudy]
C. HISTORY AND RISK FACTORS





The column Relevant Questions allows you to search for specific questions missing from the patients in your timeframe. The example below shows the Episode of Care expanded and Health Insurance Claim Number selected. This will bring up the patients with this information missing from their records.



The image above shows that one patient was missing their Health Insurance Claim Number.

Filtering through Relevant Questions allows you to see what is relevant to you for your data completeness check.

The number on the right of the relevant questions tells you how many patients have that item missing from their record.