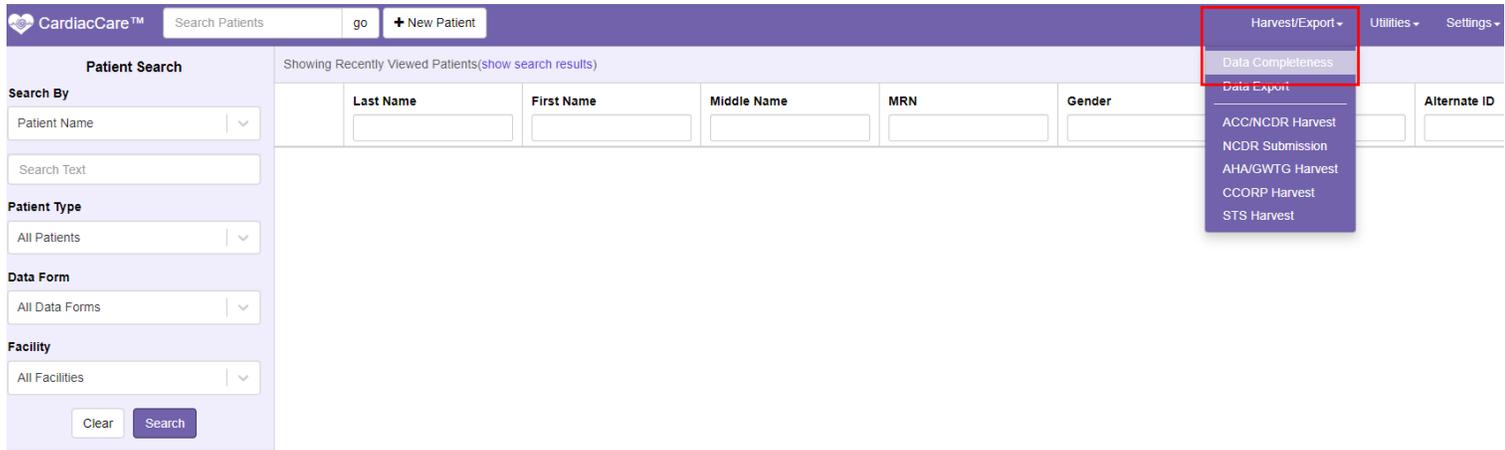
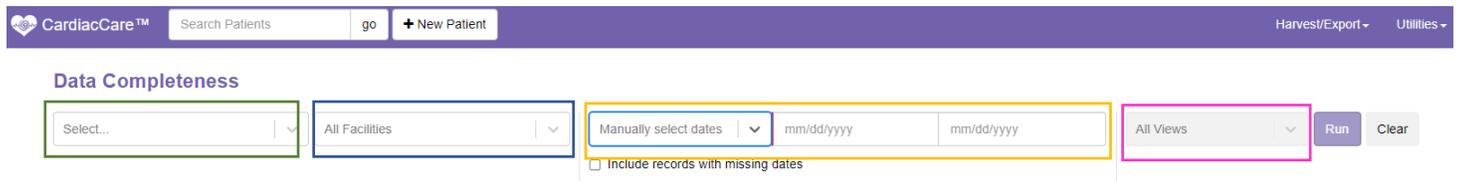


New and Improved Data Completeness

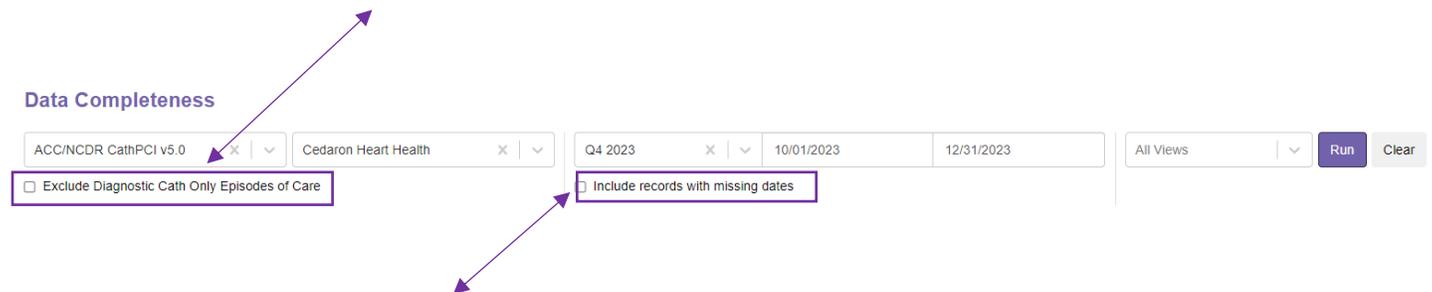
To navigate to the data completeness section, hover over [Harvest/Export](#) and select [Data Completeness](#).



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.



Selecting the ACC/NCDR CathPCI v5.0 form allows you to check [Exclude Diagnostic Cath Only Episodes of Care](#).



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 All Facilities

Manually select dates: 01/01/2020 to 02/20/2024

Exclude Diagnostic Cath Only Episodes of Care Include records with missing dates

All Views **Run** Clear

Filter (expand to choose filters) 5 Records

Last Name	First Name	DOB	MRN	Procedure Date	Arrival Date	Discharge Date	Abstractor	✕	✳	⚠	⊘	
Patient	Test	05/05/1955	MR123456	08/04/2020	08/12/2020	08/12/2020		84	0	1	3	
Sammy	Samme	01/11/1950	342514325	06/10/2020	06/10/2020	06/20/2020		49	1	0	1	
ACOSTA	SHELBY	10/14/1956	767759757	05/03/2022	05/01/2022	05/05/2022		74	0	0	0	
ACOSTA	SHELBY	10/14/1956	767759757	05/02/2022	05/01/2022	05/05/2022		85	0	0	0	
AARON	SHARLA	05/11/1948	MPA333145	02/05/2024	02/04/2024	02/07/2024	CHRISTIAN BARNES	1	2	0	0	

Select a record to view list of questions with errors.

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

- First Name
- DOB
- MRN
- Procedure Date
- Arrival Date
- Discharge Date
- Abstractor

Errors

- ✕ Show Missing
- ✳ Show Unusual
- ⚠ Show Required
- ⊘ Show Invalid

Question Types

- No Attributes
- 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
- F. Labs
- G. Cath Lab Visit
- H. Coronary Anatomy

5 Records

Last Name	First Name	DOB	MRN	Procedure Date	Arrival Date	Discharge Date	Abstractor	✕	✳	⚠	⊘	
Patient	Test	05/05/1955	MR123456	08/04/2020	08/12/2020	08/12/2020		84	0	1	3	
Sammy	Samme	01/11/1950	342514325	06/10/2020	06/10/2020	06/20/2020		49	1	0	1	
ACOSTA	SHELBY	10/14/1956	767759757	05/03/2022	05/01/2022	05/05/2022		74	0	0	0	
ACOSTA	SHELBY	10/14/1956	767759757	05/02/2022	05/01/2022	05/05/2022		85	0	0	0	
AARON	SHARLA	05/11/1948	MPA333145	02/05/2024	02/04/2024	02/07/2024	CHRISTIAN BARNES	1	2	0	0	

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.

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

***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*

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.

Filter (expand to choose filters)

Display Columns

- First Name
- DOB
- MRN
- Procedure Date
- Arrival Date
- Discharge Date
- Abstractor

Errors

- Show Missing
- Show Unusual
- Show Required
- Show Invalid

Question Types

- No Attributes
- 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
- F. Labs
- G. Cath Lab Visit
- H. Coronary Anatomy

							5 Records			
Last Name	First Name	DOB	MRN	Procedure Date	Discharge Date	Abstractor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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	0	1
ACOSTA	SHELBY	10/14/1956	767759757	05/03/2022	05/05/2022		74	0	0	0
ACOSTA	SHELBY	10/14/1956	767759757	05/02/2022	05/05/2022		85	0	0	0
AARON	SHARLA	05/11/1948	MPA333145	02/05/2024	02/07/2024	CHRISTIAN BARNES	1	2	0	0

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 irrelevant.

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.

Filter (expand to choose filters)

Display Columns

- First Name
- DOB
- MRN
- Procedure Date
- Arrival Date
- Discharge Date
- Abstractor

Errors

- Show Missing
- Show Unusual
- Show Required
- Show Invalid

Question Types

- No Attributes
- 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
- F. Labs
- G. Cath Lab Visit
- H. Coronary Anatomy

							5 Records			
Last Name	First Name	DOB	MRN	Procedure Date	Discharge Date	Abstractor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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	0	1
ACOSTA	SHELBY	10/14/1956	767759757	05/03/2022	05/05/2022		74	0	0	0
ACOSTA	SHELBY	10/14/1956	767759757	05/02/2022	05/05/2022		85	0	0	0
AARON	SHARLA	05/11/1948	MPA333145	02/05/2024	02/07/2024	CHRISTIAN BARNES	1	2	0	0

Filter (expand to choose filters)

Display Columns

- First Name
- DOB
- MRN
- Procedure Date
- Arrival Date
- Discharge Date
- Abstractor

Errors

- Show Missing
- Show Unusual
- Show Required
- Show Invalid

Question Types

- No Attributes
- 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
- F. Labs
- G. Cath Lab Visit
- H. Coronary Anatomy

1 Record

Last Name	First Name	DOB	MRN	Procedure Date	Discharge Date	Abstractor	
Patient	Test	05/05/1955	MR123456	08/04/2020	08/12/2020	All	1

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 filters)

Display Columns

- First Name
- DOB
- MRN
- Procedure Date
- Arrival Date
- Discharge Date
- Abstractor

Errors

- Show Missing
- Show Unusual
- Show Required
- Show Invalid

Question Types

- No Attributes
- 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
- F. Labs
- G. Cath Lab Visit
- H. Coronary Anatomy

4 Records

Last Name	First Name	DOB	MRN	Procedure Date	Discharge Date	Abstractor				
Patient	Test	05/05/1955	MR123456	08/04/2020	08/12/2020	All	15	0	1	1
Sammy	Samme	01/11/1950	342514325	06/10/2020	06/20/2020		6	0	0	1
ACOSTA	SHELBY	10/14/1956	767759757	05/03/2022	05/05/2022		11	0	0	0
ACOSTA	SHELBY	10/14/1956	767759757	05/02/2022	05/05/2022		18	0	0	0

ACOSTA, SHELBY (5/2/2022 7:00 AM)

Correct Record

C. HISTORY AND RISK FACTORS

- Prior Coronary Artery Bypass Graft [4515: PriorCABG]
- Diabetes Mellitus [4555: 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:

- Q1a: Difficulty walking indoors on level ground [5301: PreProcSAQ1a]
- Q1b: Difficulty gardening, vacuuming or carrying groceries [5302: PreProcSAQ1b]

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**.

Last Name	First Name	DOB	MRN	Procedure Date	Discharge Date	Abstractor	5 Records				
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	0	1	
ACOSTA	SHELBY	10/14/1956	767759757	05/03/2022	05/05/2022		74	0	0	0	
ACOSTA	SHELBY	10/14/1956	767759757	05/02/2022	05/05/2022		85	0	0	0	
AARON	SHARLA	05/11/1948	MPA333145	02/05/2024	02/07/2024	CHRISTIAN BARNES	1	2	0	0	

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.



Data Completeness

ACC/NCDR CathPCI v5.0

Exclude Diagnostic Cath Only Episodes of Care

Filter (expand to choose filters)

Last Name	First Name	DOB
Patient	Test	05/05/1955
Sammy	Samme	01/11/1950
ACOSTA	SHELBY	10/14/1956
ACOSTA	SHELBY	10/14/1956
AARON	SHARLA	05/11/1948

AARON, SHARLA

DOB: 5/11/1948 MRN: MPA333145 Procedure Date: 2/5/2024 22:44

[See Full Record](#)

Z. Administration

Abstractor (Custom)

Abstractor Date:

E. Procedure Information

Systolic Blood Pressure [6016: ProcSystolicBP] mm[Hg]
Usual range is between 50 and 220

Contrast Volume [7215: ContrastVol] mL
Usual range is between 5 and 300

Previous Record 5 of 5 Next Record

AARON, SHARLA (2/5/2024 10:44 PM)

Correct Record

Z. ADMINISTRATION

ABSTRACTOR (CUSTOM)

Abstractor Date

E. PROCEDURE INFORMATION

Systolic Blood Pressure [6016: ProcSystolicBP]*

Contrast Volume [7215: ContrastVol]*

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

Last Name	First Name	DOB	MRN	Procedure Date	Discharge Date	Abstractor	5 Records				
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	0	1	
ACOSTA	SHELBY	10/14/1956	767759757	05/03/2022	05/05/2022		74	0	0	0	
ACOSTA	SHELBY	10/14/1956	767759757	05/02/2022	05/05/2022		85	0	0	0	
AARON	SHARLA	05/11/1948	MPA333145	02/05/2024	02/07/2024	CHRISTIAN BARNES	1	2	0	0	



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

Correct Record

Z. ADMINISTRATION

ABSTRACTOR (CUSTOM)

Abstractor Name

Abstractor Date

A. DEMOGRAPHICS

Data Completeness

ACC/NCDR CathPCI v5.0 | All Facilities

Exclude Diagnostic Cath Only Episodes of Care

Filter (expand to choose filters)

Last Name	First Name	DOB
Patient	Test	05/05/1955
Sammy	Samme	01/11/1950
ACOSTA	SHELBY	10/14/1956
ACOSTA	SHELBY	10/14/1956
AARON	SHARLA	05/11/1948

Sammy, Samme
DOB: 1/11/1950 MRN: 342514325 Procedure Date: 6/10/2020 13:03

[See Full Record](#)

Z. Administration

Abductor (Custom)

- Abductor Name: (unspecified)
- Abductor Date: mm/dd/yyyy

A. Demographics

- Other ID Same as MRN:
- Other ID [2045: OtherID]:
- Sex [2060: Sex]: (unspecified)

Previous Record 2 of 5 Next Record

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

[Correct Record](#)

Z. ADMINISTRATION

ABDUCTOR (CUSTOM)

- Abductor Name
- Abductor 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

- Weight [8005: 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	Abductor				
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	0	1
ACOSTA	SHELBY	10/14/1956	767759757	05/03/2022	05/05/2022		74	0	0	0
ACOSTA	SHELBY	10/14/1956	767759757	05/02/2022	05/05/2022		85	0	0	0
AARON	SHARLA	05/11/1948	MPA333145	02/05/2024	02/07/2024	CHRISTIAN BARNES	1	2	0	0

Patient, Test
DOB: 5/5/1955 MRN: MR123456 Procedure Date: 8/4/2020 08:32

[See Full Record](#)

Z. Administration

Abductor (Custom)

- Abductor Name: (unspecified)
- Abductor Date: mm/dd/yyyy

A. Demographics

- SSN [2030: SSN]: NID123
SSN (2030) must be 9 numeric characters long
- Other ID Same as MRN:
- Other ID [2045: OtherID]:

Previous Record 1 of 5 [Next Record](#)

Sammy, Samme
DOB: 1/11/1950 MRN: 342514325 Procedure Date: 6/10/2020 13:03

[See Full Record](#)

Z. Administration

Abductor (Custom)

- Abductor Name: (unspecified)
- Abductor Date: mm/dd/yyyy

A. Demographics

- Other ID Same as MRN:
- Other ID [2045: OtherID]:
- Sex [2060: Sex]: (unspecified)

Previous Record 2 of 5 [Next Record](#)

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

4 RECORDS

Last Name	First Name	DOB	MRN	Procedure Date	Discharge Date	Abstractor				
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	0	1
ACOSTA	SHELBY	10/14/1956	767759757	05/03/2022	05/05/2022		74	0	0	0
ACOSTA	SHELBY	10/14/1956	767759757	05/02/2022	05/05/2022		73	0	0	0



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

ew Patient
Harvest/Export Utilities Settings cmi_mst

Sammy, Samme [See Full Record](#)

DOB: 1/11/1950 MRN: 342514325 Procedure Date: 6/10/2020 13:03

Abstractor Name (unspecified)

Abstractor Date mm/dd/yyyy

A. Demographics

Other ID Same as MRN

Other ID [2045: OtherID]

Sex [2060: Sex] (unspecified)

Patient Zip Code [2065: ZipCode]

Hispanic or Latino Ethnicity [2076: HispOrig] (unspecified) No Yes

B. Episode of Care

Previous Record
2 of 4
Next Record

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]

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 screenshot displays the CEDARON interface with the following filter settings:

- Display Columns:** First Name, DOB, MRN, Procedure Date, Arrival Date, Discharge Date, Abstractor.
- Errors:** Show Missing, Show Unusual, Show Required, Show Invalid.
- Question Types:** No Attributes, Custom Question, Minimal Data Set, AUC.
- Relevant Questions:** B. Episode of Care (expanded), Health Insurance Claim Number (HIC) [3015: HIC] (selected), Health Insurance [3005: HealthIns], Patient Enrolled in Research Study [3020: EnrolledStudy].

The patient record for Sammy Samme (6/10/2020 1:03 PM) is shown with the following data:

Last Name	First Name	DOB	MRN	Procedure Date	Discharge Date	Abstractor
Sammy	Samme	01/11/1950	342514325	06/10/2020	06/20/2020	All

The **Health Insurance Claim Number (HIC) [3015: HIC]** field is highlighted in red, and a blue callout bubble points to the number '1' next to it, indicating that one patient is missing this information.

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.