



CMS 2025 Measure 144 v13

for NextGen[®] HQM

NOTICE: This document contains information that is confidential and proprietary to NextGen Healthcare, Inc. and its subsidiaries and affiliates ("Company") and is intended for use solely by Company's authorized clients. This document may not be copied, reproduced, published, displayed, otherwise used, transmitted, or distributed in any form by any means as a whole or in any part, nor may any of the information it contains be used or stored in any information retrieval system or media, translated into another language, or otherwise made available or used by anyone other than the authorized client to whom this document was originally delivered without the prior, written consent of Company.

By retaining or using this document, you represent that you are a client or an authorized representative of a client of Company who is authorized to use this document under one or more agreements between you and Company now in force, and that you will use this document and the information it contains solely as and to the extent those agreements permit. Any other use or distribution of the contents of this document, as a whole or in any part, is prohibited. Although we exercised great care in creating this publication, Company assumes no responsibility for errors or omissions that may appear in this publication and reserves the right to change this publication at any time without notice.

You will not, directly or indirectly, use, or permit any third party to use, any information obtained from or through this document: (a) as a training set for machine learning or the training of an artificial intelligence ("AI"); (b) in connection with machine learning, development and refinement of algorithms, and/or the enhancement and/or improvement of the operation and functionality of your or any third party's products or services; or (c) in any generative artificial intelligence software, tools or technologies, including, but not limited to, any natural language processing, deep learning algorithms, or machine learning models (commonly known as "Generative AI").

© 2024 NXGN Management, LLC. All Rights Reserved.

NextGen is a registered trademark of NXGN Management, LLC. Microsoft Edge and Windows are the trademarks of the Microsoft group of companies. Apple and macOS are the registered trademarks of Apple Inc. Android is a trademark of Google LLC. Mozilla Firefox is the trademark of the Mozilla Foundation in the US and other countries. CPT® is a registered trademark of the American Medical Association. All other names and marks are the property of their respective owners.

Contents

Overview	5
NextGen HQM Supported Versions.....	6
NextGen HQM Supported Browsers.....	6
Initial Population Workflow	7
Document Qualifying Encounters and Heart Failure Outpatient Encounters.....	7
List of Values for Initial Population	8
Denominator Workflow	14
ECHO Result Wizard Window, NextGen Adaptive Content Engine 8.4.x and Later.....	14
MPI Result Wizard Window, NextGen Adaptive Content Engine 8.4.x and Later.....	15
Cath Result Wizard Window, NextGen Adaptive Content Engine 8.4.x and Later.....	16
Echo GS, NextGen Adaptive Content Engine 8.4.x and Later.....	17
Echocardiogram, NextGen Adaptive Content Engine 8.4.x and Later.....	18
Stress Nuclear, NextGen Adaptive Content Engine 8.4.x and Later.....	19
Stress Test-Card, NextGen Adaptive Content Engine 8.4.x and Later.....	20
List of Values for Denominator	21
Denominator Exclusion Workflow	22
Document History of Heart Transplant.....	22
Document Left Ventricular Assist Device (LVAD).....	23
List of Values for Denominator Exclusion.....	24
Numerator Workflow	27
List of Values for Numerator.....	27
Numerator Exclusions Workflow	29
Denominator Exceptions Workflow	30
Document Heart Rate.....	30
Document Medication, Order not done: Medical, Patient, or System Reason for Beta Blocker Therapy for LVSD.....	31
Exceptions/Measures Window, NextGen Enterprise 6.2021.1 (with Patch 79) and Higher.....	31
Document Medication, Intolerance: Beta Blocker Therapy.....	32
Document Medication, Allergy: Beta Blocker Therapy Ingredient.....	33
Document Cardiac Pacer.....	34
Device Result Wiz Window, NextGen Adaptive Content Engine 8.4.x and Later.....	34
Manage Past Medical/Surgical History Window, NextGen Adaptive Content Engine 8.4.x and Later.....	35
List of Values for Denominator Exceptions.....	36
Initial Population: Analysis of Specification	49
Denominator: Analysis of Specification	51

Denominator Exclusion: Analysis of Specification	52
Numerator: Analysis of Specification	53
Denominator Exception: Analysis of Specification	54
Special Considerations	59
Assumptions	60
References: Configure Medical, Surgical, Family Hx System Template	61
CRS 2.0 Configuration	62
NextGen HQM Data Assumptions	63

Overview

Measure Name

CMS 144 v13: Heart Failure (HF): Beta-Blocker Therapy for Left Ventricular Systolic Dysfunction (LVSD)

Description

Percentage of patients aged 18 years and older with a diagnosis of heart failure (HF) with a current or prior left ventricular ejection fraction (LVEF) $\leq 40\%$ who were prescribed or already taking beta-blocker therapy during the measurement period.

Definition

LVEF $< 40\%$ corresponds to qualitative documentation of moderate dysfunction or severe dysfunction (LVSD).

The LVSD may be determined by quantitative or qualitative assessment, which may be current or historical. Examples of a quantitative or qualitative assessment may include an echocardiogram: 1) that provides a numerical value of LVSD or 2) that uses descriptive terms such as moderately or severely depressed left ventricular systolic function.

Any current or prior ejection fraction study documenting LVSD can be used to identify patients.

Guidance

This eCQM is to be reported as patient-based. To satisfy this measure, it must be reported for all heart failure patients at least once during the measurement period if seen in the outpatient setting.

A range value should satisfy the logic requirement for 'Ejection Fraction' as long as the ranged observation value clearly meets the less than or equal to the 40% threshold noted in the denominator logic. A range that is inclusive of or greater than 40% would not meet the measure requirement.

In order for the Ejection Fraction result pathway to be recognized as below 40%, the result must be reported as a number with unit of %. A text string of "below 40%" or "ejection fraction between 35 and 40%" will not be recognized through electronic data capture. Although, this criteria can also be met using the diagnosis pathway if specified as moderate or severe.

Beta-blocker therapy:

For patients with prior LVEF $\leq 40\%$, beta-blocker therapy should include bisoprolol, carvedilol, or sustained release metoprolol succinate.

The requirement of two or more visits used in Population Criteria 1 is to establish that the eligible professional or eligible clinician has an existing relationship with the patient.

This version of the eCQM uses QDM version 5.6. For more information on the QDM, refer to the eCQI resource center (<https://ecqi.healthit.gov/qdm>) .

Reporting Period

January 1st, 20xx to December 31st, 20xx

NextGen HQM Supported Versions

The NextGen[®] HQM supported versions are the following:

- NextGen[®] Adaptive Content Engine 8.4.x and higher
- NextGen[®] Enterprise EHR Cures 6.2021.1 (with Patch 79) and higher

Note: Within each workflow, you must verify the specific NextGen Adaptive Content Engine or NextGen Enterprise EHR versions required.

NextGen HQM Supported Browsers

NextGen Healthcare supports the following third-party web browsers for NextGen HQM:

- Google Chrome[™]: current plus one previous major version
 - Windows[®], macOS[®], iOS[®], Android[™]
- Microsoft Edge[®] for Windows 10: current plus one previous version
 - Windows, macOS, iOS, Android
- Firefox[®]: current plus one previous major version
 - Windows, macOS, iOS, Android
- Safari[®]: current plus one previous major version
 - Windows, macOS, iOS, Android

Initial Population Workflow

- Data elements for the Initial Population for this measure are captured in the Procedures, Diagnosis and Problems modules, in addition to the Person table. Workflows for this Initial Population include how to:
 - Document Care Services

Document Qualifying Encounters and Heart Failure Outpatient Encounters

Use the **SNOMED Visit Type** window, NextGen Adaptive Content Engine 8.4.x and later.

- Open the **Intake** template, and then in the **Finalize** tab, select the **SNOMED Visit Type (optional)** link.
- Select a qualifying **Care Services in Long-Term Residential Facility** or **Home Healthcare Services** or **Nursing Facility Visit** or **Office Visit** or **Outpatient Consultation** or **Patient Provider Interaction** encounter code from the List of Values for Initial Population.
- Select **Save & Close**.

Note: This workflow is not required. It is an alternative to using the Procedures module to document a qualifying encounter.

The screenshot displays the 'SNOMED Visit Type' window. The window title is '10/25/2018 09:26 AM : "Finalize" x'. The window has a 'General' tab and a 'Today's Assessment' section. The 'SNOMED Visit Type' window is open, showing a list of SNOMED Visit Type codes and descriptions. A red box highlights the 'Document Encounter' text. The 'Save & Close' button is also highlighted. The background shows the 'Finalize' tab of the Intake template, which includes a table with 'Code' and 'Status' columns, and a 'Counseling' section with 'Counseling Details' and 'Total visit time (minutes)'. The 'Counseling' section also includes a 'Counseled greater than 50% of time and documented content' checkbox. The 'SNOMED Visit Type' window has a 'Selected SNOMED visit type:' field with the value 'Subsequent hospital visit by physician (procedure)'. The 'Save & Close' button is highlighted with a red box.

See Also

- [List of Values for Initial Population](#)

List of Values for Initial Population

CPT

List of Home Healthcare Services CPT Codes					
99341	99342	99344	99345	99347	99348
99349	99350				

List of Nursing Facility Visit CPT Codes					
99304	99305	99306	99307	99308	99309
99310	99315	99316			

List of Office Visit CPT Codes					
99202	99203	99204	99205	99212	99213
99214	99215				

List of Outpatient Consultation CPT Codes				
99242	99243	99244	99245	

ICD

List of Heart Failure ICD-10 Codes						
I11.0	I13.0	I13.2	I50.1	I50.20	I50.21	I50.22
I50.23	I50.30	I50.31	I50.32	I50.33	I50.40	I50.41
I50.42	I50.43	I50.814	I50.82	I50.83	I50.84	I50.89
I50.9						

SNOMED

List of Care Services in Long-Term Residential Facility SNOMED Codes	
Description	Code
History and physical examination with management of domiciliary or rest home patient (procedure)	209099002
Domiciliary or rest home patient evaluation and management (procedure)	210098006

List of Heart Failure SNOMED Codes	
Description	Code
High output heart failure (disorder)	10091002
Congestive heart failure due to cardiomyopathy (disorder)	101281000119 107

List of Heart Failure SNOMED Codes	
Description	Code
Acute congestive heart failure (disorder)	10633002
Chronic left-sided heart failure (disorder)	111283005
Systolic heart failure stage D (disorder)	120851000119 104
Systolic heart failure stage C (disorder)	120861000119 102
Systolic heart failure stage B (disorder)	120871000119 108
Diastolic heart failure stage D (disorder)	120881000119 106
Diastolic heart failure stage C (disorder)	120891000119 109
Diastolic heart failure stage B (disorder)	120901000119 108
Acute combined systolic and diastolic heart failure (disorder)	153931000119 109
Chronic combined systolic and diastolic heart failure (disorder)	153941000119 100
Acute on chronic combined systolic and diastolic heart failure (disorder)	153951000119 103
Congestive heart failure stage C due to Ischemic cardiomyopathy (disorder)	15629541000119 106
Congestive heart failure stage B due to ischemic cardiomyopathy (disorder)	15629591000119 103
Systolic heart failure stage B due to ischemic cardiomyopathy (disorder)	15629641000119 107
Systolic heart failure stage C due to ischemic cardiomyopathy (disorder)	15629741000119 102
Hypertensive heart AND chronic kidney disease with congestive heart failure (disorder)	15781000119107
Acute cor pulmonale co-occurrent and due to saddle embolus of pulmonary artery (disorder)	15964701000119 109
Benign hypertensive heart disease with congestive cardiac failure (disorder)	194767001
Hypertensive heart and renal disease with (congestive) heart failure (disorder)	194779001
Hypertensive heart and renal disease with both (congestive) heart failure and renal failure (disorder)	194781004
Decompensated cardiac failure (disorder)	195111005

List of Heart Failure SNOMED Codes	
Description	Code
Compensated cardiac failure (disorder)	195112003
Acute left ventricular failure (disorder)	195114002
Congenital cardiac failure (disorder)	206586007
Congestive heart failure with right heart failure (disorder)	23341000119109
Heart failure as a complication of care (disorder)	233924009
Low output heart failure (disorder)	25544003
Refractory heart failure (disorder)	314206003
Acute left-sided heart failure (disorder)	364006
Cardiorespiratory failure (disorder)	410431009
Systolic heart failure (disorder)	417996009
Diastolic heart failure (disorder)	418304008
Congestive heart failure (disorder)	42343007
Decompensated chronic heart failure (disorder)	424404003
Congestive heart failure due to left ventricular systolic dysfunction (disorder)	426263006
Congestive heart failure due to valvular disease (disorder)	426611007
Rheumatic left ventricular failure (disorder)	43736008
Low cardiac output syndrome (disorder)	44088000
Chronic systolic heart failure (disorder)	441481004
Chronic diastolic heart failure (disorder)	441530006
Right heart failure secondary to left heart failure (disorder)	44313006
Acute on chronic systolic heart failure (disorder)	443253003
Acute systolic heart failure (disorder)	443254009
Acute diastolic heart failure (disorder)	443343001
Acute on chronic diastolic heart failure (disorder)	443344007
Hypertensive heart failure (disorder)	46113002
Heart failure due to end stage congenital heart disease (disorder)	471880001
Chronic heart failure (disorder)	48447003
Hypertensive heart disease with congestive heart failure (disorder)	5148006
Chronic left-sided congestive heart failure (disorder)	5375005
Acute heart failure (disorder)	56675007
Congestive heart failure stage D (disorder)	67431000119105

List of Heart Failure SNOMED Codes	
Description	Code
Congestive heart failure stage C (disorder)	67441000119101
Symptomatic congestive heart failure (disorder)	698594003
Heart failure with reduced ejection fraction (disorder)	703272007
Heart failure with reduced ejection fraction due to coronary artery disease (disorder)	703273002
Heart failure with reduced ejection fraction due to myocarditis (disorder)	703274008
Heart failure with reduced ejection fraction due to cardiomyopathy (disorder)	703275009
Heart failure with reduced ejection fraction due to heart valve disease (disorder)	703276005
Congestive heart failure stage B (disorder)	717840005
Congestive heart failure as early postoperative complication (disorder)	72481000119103
Acute left-sided congestive heart failure (disorder)	74960003
Congestive rheumatic heart failure (disorder)	82523003
Malignant hypertensive heart disease with congestive heart failure (disorder)	83105008
Heart failure (disorder)	84114007
Left heart failure (disorder)	85232009
Low output heart failure due to and following Fontan operation (disorder)	871617000
Chronic congestive heart failure (disorder)	88805009
Pleural effusion due to congestive heart failure (disorder)	90727007
Biventricular congestive heart failure (disorder)	92506005
Left ventricular failure with normal ejection fraction due to valvular heart disease (disorder)	1204200007
Left ventricular failure with normal ejection fraction due to coronary arteriosclerosis (disorder)	1204203009
Left ventricular failure with normal ejection fraction due to myocarditis (disorder)	1204204003
Left ventricular failure with normal ejection fraction due to cardiomyopathy (disorder)	1204206001
Left ventricular failure with sepsis (disorder)	1204462004

List of Home Healthcare Services SNOMED Codes	
Description	Code
Home visit request by patient (procedure)	185460008
Home visit request by relative (procedure)	185462000

List of Home Healthcare Services SNOMED Codes	
Description	Code
Home visit for urgent condition (procedure)	185466002
Home visit for acute condition (procedure)	185467006
Home visit for chronic condition (procedure)	185468001
Home visit elderly assessment (procedure)	185470005
Joint home visit (procedure)	225929007
Bank holiday home visit (procedure)	315205008
Home visit (procedure)	439708006
Home visit for rheumatology service (procedure)	698704008
Home visit for anticoagulant drug monitoring (procedure)	704126008

List of Nursing Facility Visit SNOMED Codes	
Description	Code
Subsequent nursing facility visit (procedure)	18170008
History and physical examination with evaluation and management of nursing facility patient (procedure)	207195004

List of Office Visit SNOMED Codes	
Description	Code
Visit out of hours (procedure)	185463005
Out of hours visit - not night visit (procedure)	185464004
Weekend visit (procedure)	185465003
Office visit for pediatric care and assessment (procedure)	3391000175108
Postoperative follow-up visit (procedure)	439740005

List of Outpatient Consultation SNOMED Codes	
Description	Code
Follow-up consultation (procedure)	281036007
Confirmatory medical consultation (procedure)	77406008

List of Patient Provider Interaction SNOMED Codes	
Description	Code
Indirect encounter (procedure)	185316007
Telephone encounter (procedure)	185317003
Third party encounter (procedure)	185318008

List of Patient Provider Interaction SNOMED Codes	
Description	Code
Encounter by computer link (procedure)	185320006
Letter encounter to patient (procedure)	185321005
Encounter for checkup (procedure)	185349003
Visit out of hours (procedure)	185463005
Weekend visit (procedure)	185465003
Letter encounter from patient (procedure)	270424005
Patient-initiated encounter (procedure)	270427003
Provider-initiated encounter (procedure)	270430005
Patient encounter procedure (procedure)	308335008
Letter encounter (procedure)	308720009
Telephone follow-up (procedure)	386473003
Follow-up encounter (procedure)	390906007
Telephone triage encounter (procedure)	401267002
Email sent to patient (procedure)	401271004
Urgent follow-up (procedure)	406547006
Email encounter from caregiver (procedure)	438515009
Email encounter to caregiver (procedure)	438516005
Encounter by short message service text messaging (procedure)	445450000
Telemedicine consultation with patient (procedure)	448337001
Follow-up inpatient consultation visit (procedure)	87790002

Denominator Workflow

Data elements for the Denominator also include the Initial Population criteria, in addition to other data elements for the Denominator which are captured in the Problems, Procedures and Orders modules. Workflows for this Denominator include how to:

- Document Ejection Fraction

Document Ejection Fraction

Use any of the following templates

- ECHO Result Wizard
- MPI Result Wizard
- Cath Result Wizard
- Echo GS
- Echocardiogram
- Stress Nuclear
- Stress Nuclear

ECHO Result Wizard Window, NextGen Adaptive Content Engine 8.4.x and Later

1. From the **Intake** template, select **Cardiology** as the specialty and then select the **Procedures** tab.
2. From the **Cardiac Procedures** pane, select the **Echo/MUGA** link, and then select **any**. The **Echo Result Wizard** window opens.
3. Enter the **Procedure Date**.
4. Enter **LVEF results** using the number pad on the **ECHO Result Wizard** window.

- To save the LVEF results, select **Accept**.

ECHO Result Wizard

Procedure: Echo Results
Date: 05/05/2016
Performed By:

Document Ejection Fraction

EF: **Normal**

Severity	Size
Mild	Small
Moderate	Medium
Severe	Large

Normal
4 5 6
7 8 9
0 Clear

Normal TDS

Procedure Codes

Clear

Severity: Next NWMA Global Clear

Findings: Hypo Akin Dysk

Dimensions:

Septum: cm
Post Wall: cm
LVEDD: cm
LVESD: cm
Ao Root: cm
LA Diam: cm
RV Diam: cm
LA Area: cm²
LV Mass: gm
LV Syst Vol: ml
LV Diast Vol: ml

Doppler Findings:

AV Peak: mmHg
AV Mean: mmHg
AV Area: cm²
MV Peak: mmHg
MV Mean: mmHg
MV Area: cm²
Pulmonic Peak: mmHg
TV Peak Velocity: m/s
Est RVSP: mmHg

Comments:

Narrative Summary:

Clear All **Accept** Cancel

MPI Result Wizard Window, NextGen Adaptive Content Engine 8.4.x and Later

- From the **Intake** template, select **Cardiology** as the Specialty and then select the **Procedures** tab.
- From the **Cardiac Procedures** pane, select the **Stress Test** link, and then select any value from the **Stress Test** picklist except **ETT** and **Exercise Tolerance Test**.
The **MPI Result Wizard** window opens.
- Enter the **Procedure Date**.
- Enter **LVEF results** using the number pad on the **MPI Result Wizard** window.

5. Select **Accept** to save the LVEF results.

Cath Result Wizard Window, NextGen Adaptive Content Engine 8.4.x and Later

1. From the **Intake** template, select **Cardiology** as the Specialty and then select the **Procedures** tab.
2. Select the **Cath Lab** hyperlink from the Cardiac Procedures blue navigation pane and select **Cath** from the Invasive picklist.
The **Cath Result Wizard** window opens.
3. Enter the procedure date.
4. To activate EF, select the **EF** link.
EF text changes to purple
5. Enter **LVEF results** using the number pad on the **Cath Result Wizard** window.

6. Select **Accept** to save the LVEF results.

Echo GS, NextGen Adaptive Content Engine 8.4.x and Later

1. Open the **Echo GS** template, and then in the Chambers section, select **Ejection fraction** and enter the LVEF results using the number pad.

Note:

You must enter the percentage value in **Ejection fraction**.

2. Select Save & Close.

05/09/2018 10:16 AM : "Echo GS" x

Pt age: 17 years 4 months Reading MD:

Date: 05/09/2018 Tape: Referring:

Diagnosis: PCP:

Sonographer:

Chambers: Description:

Left atrium:

Left ventricle:

Right atrium:

Right ventricle:

Atrial septum:

Pericardium:

Comments:

Document Ejection fraction

All LV segments normal: ☐

Ejection fraction: 80

Impression:

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

☐ Compared w/prior study, no significant changes.

☐ Recommend TEE if clinically indicated.

☐ Recommend Chest CT for further evaluation.

☐ Clinical correlation is recommended.

Save & Close

Echocardiogram, NextGen Adaptive Content Engine 8.4.x and Later

- Open the **Echocardiogram** template, and then under **LV Systolic Function, Ejection fraction**, enter the LVEF results.

Note: You must enter the percentage value in **Ejection fraction**.

Note: This workflow requires user configuration of CRS 2.0 to support accurate reporting. Please ensure that mappings are added to Coded Results

Mapping template. Please reference CRS 2.0 Configuration section for more information.

The screenshot shows the 'Echocardiogram' template in the NextGen system. The 'Procedure Information' section includes fields for Test date, Test type, Location, Reading, Medications, Indications, and Cardiac history. The 'LV Systolic Functions' section displays a diagram of the heart with various segments labeled. The 'Ejection fraction' field is highlighted with a red box, and a red arrow points to it from a label 'Document Ejection Fraction'. The 'Ejection fraction' field is currently set to 15 to 20 %.

Stress Nuclear, NextGen Adaptive Content Engine 8.4.x and Later

1. Open the **Stress Nuclear** template, and then under **Resting**, in **Resting LVEF**, enter the LVEF results.

Note: You must enter the percentage value in **Ejection fraction**.

2. Select **Save & Close**.

06/06/2018 12:21 PM : "Stress Nuclear" x

Nuclear Stress Interpretation

Study Date: 06/06/2018

Height: in

Weight: lb

Ordering MD:

PCP:

Cardiologist:

Interpreting MD:

Indication for Exam:

Clear

Add or Update Assessment

Add to Today's Assessments

Resting MIBI dose: mci

Stress MIBI dose: mci

Image Quality:

☐ Adequate

☐ Suboptimal

Artifacts:

☐ Breast Attenuation

☐ Diaphragmatic Attenuation

☐ Bowel Uptake

SPECT: ☐ Normal perfusion

Stress

Size:	Intensity:	Territory:	Territory:	Defect:

Gated Study

Stress: ☐ Normal stress wall motion

Abnormal wall motion:

Stress LVEF:	severity:	location:	location:	wall motion:
%				

Resting: ☐ Normal resting wall motion

Resting LVEF:

35 %

Comments:

Document Ejection Fraction

Stress Nuclear Doc

Stress Master Doc

Save & Close

Stress Test-Card, NextGen Adaptive Content Engine 8.4.x and Later

1. From the **Stress Test-Card** template, navigate to the Procedure Information panel.
2. Under the **Test/Patient Data** section, select the blue dropdown arrow and select **Stress Echo** for Stress type.
3. Navigate to the Wall Motion section and select the **Open Wall Motion** button. The **Card Testing St Wallmotion** window opens.
4. Scroll to the **Pre-exercise** section and enter LVEF results in the **Ejection Fraction** field.

Note: Need to enter the percentage value in the **Ejection fraction** field.

Note: This workflow requires user configuration of CRS 2.0 to support accurate reporting. Ensure that mappings are added to **Coded Results Mapping** template. Refer to [CRS 2.0 Configuration](#) section for more information.

List of Values for Denominator

LOINC

List of Ejection Fraction LOINC Codes				
10230-1	18043-0	18044-8	18045-5	18046-3
18047-1	18048-9	18049-7	77889-4	77890-2
77891-0	77892-8	79990-8	79991-6	79992-4
79993-2	8806-2	8807-0	8808-8	8809-6
8810-4	8811-2	8812-0		

SNOMED

List of Left Ventricular Systolic Dysfunction Direct Reference SNOMED Code	
134401001	
List of Moderate or Severe LVSD SNOMED Codes	
981000124106	991000124109

Denominator Exclusion Workflow

Data elements for the Denominator Exclusion are captured in the Problems, Procedures and Diagnosis modules. Workflows for this Denominator Exclusion include how to:

- Document History of Heart Transplant
- Document Left Ventricular Assist Device (LVAD)

Document History of Heart Transplant

Use the **CARD CH CHF CM** window, NextGen Adaptive Content Engine 8.4.x and later.

1. From the **Intake** template, select **Cardiology** as the Specialty and any visit type.
2. Select the **Histories** tab.
The **Histories – Cardiology** template opens.
3. In the **Problems** section, select the **CHF/Cardiomyopathy** link from the blue navigation pane.
The **CARD CH CHF CM** window opens.
4. Enter the procedure date.
5. In the Detail section, select the **Heart Transplant Patient** check box.
6. Select **Accept** to complete the documentation.

Note: This workflow requires user configuration of CRS 2.0 to support accurate reporting. Ensure that mappings are added to Coded Results Mapping template. Refer to the CRS 2.0 Configuration section for more information.

The screenshot shows the 'CARD CH CHF CM' window in the NextGen HQM interface. The 'Specialty' is set to 'Cardiology' and the 'Visit Type' is 'Office Consult'. The 'Procedures' tab is selected. In the left navigation pane, 'CHF/Cardiomyopathy' is highlighted. In the main window, the 'History' section is active, and the 'Heart Transplant Patient' checkbox is checked. A red box highlights the 'Accept' button at the bottom right. A red text box at the bottom center says 'Document history of heart transplant'.

See Also

- [CRS 2.0 Configuration](#)

Document Left Ventricular Assist Device (LVAD)

Use the **VAD Test Result Wiz** window, NextGen Adaptive Content Engine 8.4.x and later.

1. From the **Intake** template, select **Cardiology** as the Specialty and any visit type.
2. Select the **Procedures** tab.
3. In the left blue navigation pane, select **CV Surgery**, then select **VAD**. The **Test Result Wiz** window opens.
4. Enter the procedure date.
5. In Type of VAL, select **LVAD** and then add any other details.
6. Select **Accept** to complete the documentation.

Note: This workflow requires user configuration of CRS 2.0 to support accurate reporting. Ensure that mappings are added to Coded Results Mapping template. Refer to the CRS 2.0 Configuration section for more information.

See Also

- [CRS 2.0 Configuration](#)

List of Values for Denominator Exclusion

CPT

List of Heart Transplant CPT Codes				
33935			33945	

List of Left Ventricular Assist Device Placement CPT Codes				
33976	33981	33990	33991	33993

ICD

List of Heart Transplant Complications ICD-10 Codes	
Description	Code
Atherosclerosis of native coronary artery of transplanted heart with unstable angina	I25.750
Atherosclerosis of native coronary artery of transplanted heart with angina pectoris with documented spasm	I25.751

List of Heart Transplant Complications ICD-10 Codes	
Description	Code
Atherosclerosis of native coronary artery of transplanted heart with other forms of angina pectoris	I25.758
Atherosclerosis of native coronary artery of transplanted heart with unspecified angina pectoris	I25.759
Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina	I25.760
Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris with documented spasm	I25.761
Atherosclerosis of bypass graft of coronary artery of transplanted heart with other forms of angina pectoris	I25.768
Atherosclerosis of bypass graft of coronary artery of transplanted heart with unspecified angina pectoris	I25.769
Atherosclerosis of native coronary artery of transplanted heart without angina pectoris	I25.811
Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris	I25.812
Unspecified complication of heart transplant	T86.20
Heart transplant rejection	T86.21
Heart transplant failure	T86.22
Heart transplant infection	T86.23
Other complications of heart transplant	T86.298
Unspecified complication of heart-lung transplant	T86.30
Heart-lung transplant rejection	T86.31
Heart-lung transplant failure	T86.32
Heart-lung transplant infection	T86.33
Other complications of heart-lung transplant	T86.39

SNOMED

List of Heart Transplant Complications SNOMED Codes	
Description	Code
Lymphoproliferative disorder following heart transplantation (disorder)	122511000119103
Unstable angina due to arteriosclerosis of coronary artery bypass graft of transplanted heart (disorder)	15960341000119104
Heart transplant failure and rejection (disorder)	213151004
Heart-lung transplant failure and rejection (disorder)	213152006

List of Heart Transplant Complications SNOMED Codes	
Description	Code
Accelerated coronary artery disease in transplanted heart (disorder)	233844002
Disorder of transplanted heart (disorder)	429257001
Arteriosclerosis of coronary artery bypass graft of transplanted heart (disorder)	444855007
Disorder of myocardium associated with rejection of cardiac transplant (disorder)	471851005
Coronary arteriosclerosis in artery of transplanted heart (disorder)	792842004
Infection of transplanted heart (disorder)	12224461000119108

List of Heart Transplant SNOMED Codes				
174803001	32413006	32477003	450816007	47058000

List of Left Ventricular Assist Device Placement SNOMED Codes	
232967006	232968001
700151002	

List of Left Ventricular Assist Device Complications SNOMED Codes		
764680009	765181003	765465004

Numerator Workflow

All data elements for the Numerator for this measure are captured in the Medications module

List of Values for Numerator

RxNorm

List of Beta Blocker Therapy for LVSD RxNorm Codes	
Description	Code
24 HR metoprolol succinate 100 MG Extended Release Oral Capsule	1999031
24 HR metoprolol succinate 200 MG Extended Release Oral Capsule	1999033
24 HR metoprolol succinate 25 MG Extended Release Oral Capsule	1999035
24 HR metoprolol succinate 50 MG Extended Release Oral Capsule	1999037
carvedilol 6.25 MG Oral Tablet	200031
carvedilol 12.5 MG Oral Tablet	200032
carvedilol 25 MG Oral Tablet	200033
carvedilol 3.125 MG Oral Tablet	686924
Bisoprolol Fumarate 10 MG Oral Tablet	854901
Bisoprolol Fumarate 5 MG Oral Tablet	854905
Bisoprolol Fumarate 10 MG / Hydrochlorothiazide 6.25 MG Oral Tablet	854908
Bisoprolol Fumarate 2.5 MG / Hydrochlorothiazide 6.25 MG Oral Tablet	854916
Bisoprolol Fumarate 5 MG / Hydrochlorothiazide 6.25 MG Oral Tablet	854919
24 HR carvedilol phosphate 10 MG Extended Release Oral Capsule	860510
24 HR carvedilol phosphate 20 MG Extended Release Oral Capsule	860516
24 HR carvedilol phosphate 40 MG Extended Release Oral Capsule	860522
24 HR carvedilol phosphate 80 MG Extended Release Oral Capsule	860532
24 HR metoprolol succinate 100 MG Extended Release Oral Tablet	866412
24 HR metoprolol succinate 200 MG Extended Release Oral Tablet	866419
24 HR metoprolol succinate 25 MG Extended Release Oral Tablet	866427
24 HR metoprolol succinate 50 MG Extended Release Oral Tablet	866436
24 HR Hydrochlorothiazide 12.5 MG / metoprolol succinate 100 MG Extended Release Oral Tablet	866452

List of Beta Blocker Therapy for LVSD RxNorm Codes	
Description	Code
24 HR Hydrochlorothiazide 12.5 MG / metoprolol succinate 25 MG Extended Release Oral Tablet	866461
24 HR Hydrochlorothiazide 12.5 MG / metoprolol succinate 50 MG Extended Release Oral Tablet	866472

Numerator Exclusions Workflow

There are no Numerator Exclusions for this measure.

Denominator Exceptions Workflow

Data elements for the Denominator Exceptions for this measure are also captured in the Allergies, Diagnosis and Problems module. Workflows for this Denominator Exceptions include how to:

- Document Heart Rate
- Document Medication, Order not done: Medical, Patient, or System Reason for Beta Blocker Therapy for LVSD
- Document Medication, Intolerance: Beta Blocker Therapy Ingredient
- Document Medication, Allergy: Beta Blocker Therapy Ingredient
- Document Cardiac Pacer

Document Heart Rate

Use the **Adult Vital Signs** window, NextGen Adaptive Content Engine 8.4.x and later.

1. From the **Intake** template, select **Add under the Vital Signs** section.
The **Adult Vital Signs** window opens.
2. From the **Adult Vital Signs** window, enter the **heart rate** in the **Pulse** field.
3. Select **Save**, then select **Close**.

Note: You can capture the LOINC code for heart rate in NextGen Adaptive Content Engine 8.4.x and later. If you are on a lower version than ACE 8.4.x, only heart rate value will be captured.

The screenshot shows the 'Adult Vital Signs' - [New Record] form. A red box highlights the 'Pulse' field, which is currently empty. The text 'Document Heart Rate' is written in red inside the box. The form includes sections for Height/length measurements, Weight measurement, Temperature, Blood Pressure and pulse, Respiration and Pulse Ox, Peak flow, Pain scale, and Comments. The 'Pulse' field is located under the 'Blood Pressure and pulse' section.

Document Medication, Order not done: Medical, Patient, or System Reason for Beta Blocker Therapy for LVSD

You can complete the documentation of Medication, Order not done: Medical, Patient, or System Reason for Beta Blocker Therapy for LVSD in the **Exceptions/Measures** window.

Note: It is not necessary to document this criterion in all of the specified windows to meet the intent of this measure.

Exceptions/Measures Window, NextGen Enterprise 6.2021.1 (with Patch 79) and Higher

1. From the **Intake** template, select **Exceptions//Measures** from the left navigation bar. The **Exceptions/Measures** window opens.
2. Select **Exceptions (all)**.
3. Select **Measure Heart failure: Beta-Blocker Therapy for LVSD** and **Class Beta Blocker Therapy for LVSD** to be addressed in the fields above.

4. Select the **Item** field and select any qualifying value for **Beta-Blocker Therapy for LVSD** from the List of Values for Denominator Exceptions
5. Select a qualifying **Medical, Patient, or System** reason in the **Exception** field.
6. Select **Update**.
7. Select **Save & Close**.

Exceptions/Measures

Measure Details

Title: Heart Failure (HF): Beta-Blocker Therapy for Left Ventricular Systolic Dysfunction (LVSD)

Description: Percentage of patients aged 18 years and older with a diagnosis of heart failure (HF) with a current or prior left ventricular ejection fraction (LVEF) < 40% who were prescribed beta-blocker therapy either within a 12 month period when seen in the outpatient setting OR at each hospital discharge

Instructions: Please refer to the HQM White Paper for supported workflows.

References: Select a row with a "website" indicator (on the right) to go to the website. [Master Measure Website](#)

Review notes: [Heart of Chronic Heart Failure Failure in adults: a report of 53:1343- 82.](#)

Previous status/comments:

Exception Management

Class: Beta-Blocker Therapy for LVSD

Item:

Exception:

Details:

☐ This exception is permanent

Display: ☐ Provider Measures ☐ Exceptions (current template) ☒ Exceptions (all) ☐ Show measures followed Display measure system: CMS

Measure #	Measure	Measure System	Exception Class	Exception
N CMS142 (NQF808)	Diabetic Retinopathy: Communication with PCP	CMS	Multiple Exception Class	
N CMS143 (NQF808)	Primary Open Angle Glaucoma: Optic Nerve Eval	CMS	Multiple Exception Class	
N CMS144 (NQF808)	Heart Failure: Beta-Blocker Therapy for LVSD	CMS	Beta Blocker Therapy for LVSD	
N CMS145 (NQF808)	CAD: Beta-Blocker Therapy-Prior MI or LVSD	CMS	Multiple Exception Class	

Document Medication, Intolerance: Beta Blocker Therapy

Use the Medication Allergies module

1. From the Medication Allergies module, select the **Allergy search magnifying glass** icon and type in a qualifying **Beta Blocker Therapy** medication from the **List of Beta Blocker Therapy RxNorm Codes** in the **Description** field.
2. Highlight and select **OK** to select the **Beta Blocker Therapy** medication allergy.
3. Select the **Intolerance** checkbox.

4. Select **Add**.

**Document Intolerance to Medication
Beta Blocker Therapy**

Medication Allergies x

☒ Include Resolved Allergies ☐ No Known Allergies

Allergy: 1862 **PENBUTOLOL SULFATE** ☒ Intolerance

Location: Main Clinic Allergy type: Base Ingredient

Provider: Provider, Test T

☐ Recorded Elsewhere

Onset/Sym: 00/00/0000

Resolved: 00/00/0000

Source:

Reactions:

Add Edit Delete

Clear Delete Add Update Interactions Review Reconcile

Allergy Comments:

See Also

- [List of Values for Denominator Exceptions](#)

Document Medication, Allergy: Beta Blocker Therapy Ingredient

Use the Medication Allergies module.

1. From the Medication Allergies module, select the **Allergy search magnifying glass** icon and type in a qualifying description for Beta Blocker Therapy Ingredient medication from the List of Beta Blocker Therapy Ingredient RxNorm Codes in the Description field.
2. Highlight and select **OK** to select the **Beta Blocker Therapy Ingredient** allergy.

3. Select **Add**.

Medication Allergies

Date	Description	Onset/Sympt	Resolved	Type	Comment
08/01/2015 09:25 AM	NADOLOL	00/00/0000	00/00/0000	Base Ingredient	

☐ Include Resolved Allergies
 ☐ No Known Allergies

Allergy: 1854 nadolol

Location: Main Clinic
 ☐ Intolerance

Provider: A. A
 Severity:

☐ Recorded Elsewhere
 Source:

Onset/Sym: 00/00/0000
 Reaction:

Resolved: 00/00/0000
 Allergy type: Base Ingredient

Allergy Comments:

Clear
 Delete
 Add
 Update
 Interactions...
 Review
 Reconcile

Document Medication Allergy to Beta Blocker Ingredient

See Also

- [List of Values for Denominator Exceptions](#)

Document Cardiac Pacer

Use any of the following templates

- **Device Result Wiz** window
- **Manage Past Medical/Surgical History** window

Note: Documentation of Cardiac Pacer can be completed using any of the pop-ups indicated in this section of the document. It is not necessary to document this criterion in all of the specified pop-ups to meet the intent of this measure.

Device Result Wiz Window, NextGen Adaptive Content Engine 8.4.x and Later

1. From the **Intake** template, select **Cardiology** as the Specialty.
2. Select the **Procedures** tab.
The **Cardiology Procedures** template opens.

3. In Cardiac Procedures, select the **Electrophysiology** link from the navigation bar.
4. From the **Cardiac Procedures** template, in the Cardiac Procedures section, select the **Electrophysiology** link from the blue navigation pane.
5. Select **Devices** from the EP picklist.
The **Device Result Wiz** window opens.
6. Enter the procedure date.
7. Select the **Pacemaker or ICD Single Chamber** or **Dual Chamber** options.
8. Select **Accept**.

Manage Past Medical/Surgical History Window, NextGen Adaptive Content Engine 8.4.x and Later

1. From the **Histories** template, select **Add** from the **Medical/Surgical/Interim** section.
The **Past Medical History** window opens.
2. Select **Cardiology** as the specialty.
3. From the **Surgical** section, select the **Cardiac Pacemaker** check box and then select the **Manage** link.
The **Manage Past Medical/Surgical History** window opens.
4. Enter the full Procedure date **MM/DD/YYYY** in the **Date** field.

Note: While it is possible to enter MM/YYYY and YYYY in the **Manage Past Medical/Surgical History** window in 5.9/8.4, NextGen Healthcare recommends that users continue to enter the full date in the MM/DD/YYYY format for the most accurate measure calculations. To enter partial dates, **Use partial date for Past Medical/Surgical History** must be fully configured in the System/Practice templates.

5. Select **Save to Grid & Close**.

Note: Capturing additional CABG values requires user configuration.

The screenshot shows two overlapping windows. The background window is 'Post Medical History' with a 'Specialty' dropdown set to 'Cardiology'. The foreground window is 'Manage Post Medical/Surgical History'. In the 'Medical' section, various conditions are listed with checkboxes. In the 'Surgical' section, 'Cardiac pacemaker' is checked and highlighted with a red box. The 'Management' section has a 'Date' field highlighted with a red box. At the bottom right, a 'Save to Grid & Close' button is highlighted with a red box. A large red box with the text 'Document Cardiac Pacer' is overlaid on the 'Comments' field.

See Also

- [References: Configure Medical, Surgical, Family Hx System Template](#)

List of Values for Denominator Exceptions

CPT

List of Cardiac Pacer CPT Codes	
33210	33224
33206	33207
33208	33211
33212	33213
33214	33216
33217	33221
33225	33274

ICD

List of Asthma ICD-10 Codes					
J45.20	J45.21	J45.22	J45.30	J45.31	J45.32
J45.40	J45.41	J45.42	J45.50	J45.51	J45.52
J45.901	J45.902	J45.909	J45.990	J45.991	J45.998

List of Atrioventricular Block ICD-10 Codes

I44.0	I44.1	I44.2	I44.30	I44.39
-------	-------	-------	--------	--------

List of Bradycardia ICD-10 Codes

I49.5	I49.8	R00.1
-------	-------	-------

List of Cardiac Pacer in Situ ICD-10 Codes

Z95.0	Z95.810
-------	---------

List of Hypotension ICD-10 Codes

I95.0	I95.1	I95.2	I95.3	I95.81	I95.89
I95.9	O26.50	O26.51	O26.52	O26.53	

LOINC**List of Ejection Fraction LOINC Codes**

Description	Code
Left ventricular Ejection fraction	10230-1
Left ventricular Ejection fraction by US	18043-0
Left ventricular Ejection fraction by US.2D+Calculated by single-plane ellipse method	18044-8
Left ventricular Ejection fraction by US.2D+Calculated by biplane ellipse method	18045-5
Left ventricular Ejection fraction by US 2D modified	18046-3
Left ventricular Ejection fraction by US 2D modified biplane	18047-1
Left ventricular Ejection fraction by US 2D modified single-plane	18048-9
Left ventricular Ejection fraction by US.M-mode+Calculated by Teichholz method	18049-7
Left ventricular Ejection fraction by US.M-mode+Calculated by cube method	77889-4
Left ventricular Ejection fraction by US.2D+Calculated by cube method	77890-2
Left ventricular Ejection fraction by US.2D+Calculated by Teichholz method	77891-0
Left ventricular Ejection fraction by US.2D+Calculated by modified Simpson method	77892-8
Left ventricular Ejection fraction by US.3D.segmentation	79990-8
Left ventricular Ejection fraction by US.2D+Calculated by biplane method of disks	79991-6
Left ventricular Ejection fraction by US.2D.A2C+Calculated by single plane method of disks	79992-4

List of Ejection Fraction LOINC Codes	
Description	Code
Left ventricular Ejection fraction by US.2D.A4C+Calculated by single plane method of disks	79993-2
Left ventricular Ejection fraction by 2D echo	8806-2
Left ventricular Ejection fraction by 2D echo.visual estimate	8807-0
Left ventricular Ejection fraction by Cardiac angiogram	8808-8
Left ventricular Ejection fraction by Cardiac angiogram.visual estimate	8809-6
Left ventricular Ejection fraction by Spiral CT	8810-4
Left ventricular Ejection fraction by MR	8811-2
Left ventricular Ejection fraction by Nuclear blood pool	8812-0
Left ventricular Ejection fraction by US.2D.A2C+Calc by single plane area-length method	93644-3
Left ventricular Ejection fraction by US.2D.A4C+Calc by single plane area-length method	93645-0
Left ventricular Ejection fraction by US.2D+Calculated by biplane area-length method	93646-8

List of Heart Rate LOINC Codes				
11328-2	68999-2	69000-8	69001-6	8867-4

RxNorm

List of Beta Blocker Therapy for LVSD RxNorm Codes	
Description	Code
carvedilol 6.25 MG Oral Tablet	200031
carvedilol 12.5 MG Oral Tablet	200032
carvedilol 25 MG Oral Tablet	200033
carvedilol 3.125 MG Oral Tablet	686924
Bisoprolol Fumarate 10 MG Oral Tablet	854901
Bisoprolol Fumarate 5 MG Oral Tablet	854905
Bisoprolol Fumarate 10 MG / Hydrochlorothiazide 6.25 MG Oral Tablet	854908
Bisoprolol Fumarate 2.5 MG / Hydrochlorothiazide 6.25 MG Oral Tablet	854916
Bisoprolol Fumarate 5 MG / Hydrochlorothiazide 6.25 MG Oral Tablet	854919
24 HR carvedilol phosphate 10 MG Extended Release Oral Capsule	860510
24 HR carvedilol phosphate 20 MG Extended Release Oral Capsule	860516
24 HR carvedilol phosphate 40 MG Extended Release Oral Capsule	860522

List of Beta Blocker Therapy for LVSD RxNorm Codes	
Description	Code
24 HR carvedilol phosphate 80 MG Extended Release Oral Capsule	860532
24 HR metoprolol succinate 100 MG Extended Release Oral Tablet	866412
24 HR metoprolol succinate 200 MG Extended Release Oral Tablet	866419
24 HR metoprolol succinate 25 MG Extended Release Oral Tablet	866427
24 HR metoprolol succinate 50 MG Extended Release Oral Tablet	866436
24 HR Hydrochlorothiazide 12.5 MG / metoprolol succinate 100 MG Extended Release Oral Tablet	866452
24 HR Hydrochlorothiazide 12.5 MG / metoprolol succinate 25 MG Extended Release Oral Tablet	866461
24 HR Hydrochlorothiazide 12.5 MG / metoprolol succinate 50 MG Extended Release Oral Tablet	866472

List of Beta Blocker Therapy Ingredient RxNorm Codes	
Description	Code
Timolol	10600
Atenolol	1202
Acebutolol	149
Betaxolol	1520
Bisoprolol	19484
carvedilol	20352
Carteolol	2116
Nebivolol	31555
Labetalol	6185
Metoprolol	6918
Nadolol	7226
Pindolol	8332
Propranolol	8787
Sotalol	9947
levobunolol	1813
metipranolol	10824
esmolol	49737

SNOMED

List of Allergy to Beta Blocker Therapy SNOMED Codes				
293962009	293963004	293964005	293965006	293966007
293967003	293968008	293969000	293970004	293972007
293973002	293974008	293975009	293976005	293977001
293978006	293979003	293980000	293981001	293982008
293983003	293984009			

List of Arrhythmia SNOMED Codes	
Description	Code
Paroxysmal atrial fibrillation with rapid ventricular response (disorder)	1010405004
Parasystole (disorder)	10164001
Multifocal premature ventricular complexes (disorder)	10626002
Ventricular bigeminy (disorder)	11157007
Right atrial non-cavotricuspid isthmus dependent macro re-entrant atrial tachycardia (disorder)	1142040009
Non-scar mediated right atrial non-cavotricuspid isthmus dependent macro re-entrant atrial tachycardia (disorder)	1142041008
Anticlockwise cavotricuspid isthmus dependent macroreentry tachycardia: clockwise (disorder)	1142057008
Antidromic atrioventricular reciprocating tachycardia using atrio-ventricular accessory pathway with antegrade unidirectional conduction (disorder)	1142064005
Antidromic atrioventricular reciprocating tachycardia using atrio-fascicular accessory pathway with antegrade unidirectional conduction (disorder)	1142066007
Non scar mediated left atrial non-cavotricuspid isthmus dependent macro re-entrant atrial tachycardia (disorder)	1142067003
Antidromic atrioventricular reciprocating tachycardia using accessory pathway with antegrade unidirectional conduction (disorder)	1142068008
Scar mediated left atrial non-cavotricuspid isthmus dependent macro re-entrant atrial tachycardia (disorder)	1142069000
Idiopathic junctional ectopic tachycardia (disorder)	1142082008
Congenital junctional ectopic tachycardia (disorder)	1142086006
Clockwise cavotricuspid isthmus dependent macroreentry tachycardia (disorder)	1142090008
Left atrial non-cavotricuspid isthmus dependent macro re-entrant atrial tachycardia (disorder)	1142093005
Junctional ectopic tachycardia following surgical procedure on heart (disorder)	1142098001

List of Arrhythmia SNOMED Codes	
Description	Code
Antidromic atrioventricular reciprocating tachycardia using nodo-fascicular accessory pathway with antegrade unidirectional conduction (disorder)	1142103004
Typical atrioventricular nodal re-entry tachycardia (disorder)	1142105006
Scar mediated right atrial non-cavotricuspid isthmus dependent macro re-entrant atrial tachycardia (disorder)	1142114001
Atypical slow slow atrioventricular nodal re-entry tachycardia (disorder)	1142117008
Atypical atrioventricular nodal re-entry tachycardia (disorder)	1142118003
Atypical fast slow atrioventricular nodal re-entry tachycardia (disorder)	1142119006
Orthodromic atrioventricular reciprocating tachycardia using manifest accessory pathway (disorder)	1142120000
Atrioventricular nodal reentry tachycardia with twin atrioventricular nodes (disorder)	1142121001
Antidromic atrioventricular reciprocating tachycardia using accessory pathway with bidirectional conduction (disorder)	1142122008
Orthodromic atrioventricular reciprocating tachycardia using concealed accessory pathway (disorder)	1142204001
Atrioventricular junctional rhythm (disorder)	11849007
Fusion beats (disorder)	13640000
Supraventricular tachycardia following acute myocardial infarction (disorder)	16415081000119104
Atrial arrhythmia (disorder)	17366009
Anomalous atrioventricular excitation (disorder)	17869006
Withdrawal arrhythmia (disorder)	184004
Ventricular pre-excitation (disorder)	195060002
Paroxysmal atrial tachycardia (disorder)	195069001
Paroxysmal junctional tachycardia (disorder)	195071001
Paroxysmal nodal tachycardia (disorder)	195072008
Ventricular fibrillation and flutter (disorder)	195083004
Sinoatrial node tachycardia (disorder)	233891009
Ectopic atrial tachycardia (disorder)	233892002
Re-entrant atrial tachycardia (disorder)	233893007
Incessant atrial tachycardia (disorder)	233894001
Ectopic atrioventricular node tachycardia (disorder)	233895000
Permanent junctional reciprocating tachycardia (disorder)	233904005
Paroxysmal familial ventricular fibrillation (disorder)	233915000

List of Arrhythmia SNOMED Codes	
Description	Code
Concealed accessory pathway (disorder)	233922008
Unidirectional retrograde accessory pathway (disorder)	233923003
Electromechanical dissociation (disorder)	234172002
Slow ventricular response (disorder)	251161003
Atrio-ventricular-junctional (nodal) bradycardia (disorder)	251162005
Atrio-ventricular junctional (nodal) arrest (disorder)	251163000
Junctional premature complex (disorder)	251164006
Atrioventricular junctional (nodal) tachycardia (disorder)	251165007
Aberrant premature complexes (disorder)	251167004
Supraventricular bigeminy (disorder)	251168009
Blocked premature atrial contraction (disorder)	251170000
Run of atrial premature complexes (disorder)	251172008
Atrial bigeminy (disorder)	251173003
Atrial trigeminy (disorder)	251174009
Ventricular premature complex (disorder)	251175005
Multiple premature ventricular complexes (disorder)	251176006
Run of ventricular premature complexes (disorder)	251177002
Multiple ventricular interpolated complexes (disorder)	251179004
Ventricular trigeminy (disorder)	251180001
Ventricular quadrigeminy (disorder)	251181002
Paired ventricular premature complexes (disorder)	251182009
Ventricular escape complex (disorder)	251186007
Atrial escape complex (disorder)	251187003
Atrial parasystole (disorder)	251188008
Chronic ectopic atrial tachycardia (disorder)	26950008
Unifocal premature ventricular complexes (disorder)	27337007
Atrial tachycardia (disorder)	276796006
Premature atrial contraction (disorder)	284470004
Atrial premature complex (disorder)	287057009
Ectopic rhythm (disorder)	29320008
Electromechanical dissociation with successful resuscitation (disorder)	309809007

List of Arrhythmia SNOMED Codes	
Description	Code
Ectopic beats (disorder)	33413000
Sick sinus syndrome (disorder)	36083008
Interpolated ventricular premature complexes (disorder)	38274001
Nonparoxysmal atrioventricular nodal tachycardia (disorder)	39260000
Paroxysmal atrial tachycardia with block (disorder)	39357005
Fibrillation (disorder)	40593004
Ectopic atrial beats (disorder)	406461004
Atrioventricular conduction disorder (disorder)	418341009
Brugada syndrome (disorder)	418818005
Sinoatrial nodal reentrant tachycardia (disorder)	419752005
Bradyarrhythmia (disorder)	421869004
Andersen Tawil syndrome (disorder)	422348008
Sustained ventricular fibrillation (disorder)	429243003
Conduction disorder of the heart (disorder)	44808001
Junctional escape beats (disorder)	47830009
Multifocal atrial tachycardia (disorder)	49982000
Lown-Ganong-Levine syndrome (disorder)	55475008
Ventricular parasystole (disorder)	59272004
Sinus node dysfunction (disorder)	60423000
Accelerated idioventricular rhythm (disorder)	61277005
Multifocal premature beats (disorder)	63232000
Supraventricular premature beats (disorder)	63593006
Idiojunctional tachycardia (disorder)	69730002
Ventricular fibrillation (disorder)	71908006
Supraventricular arrhythmia (disorder)	72654001
Wolff-Parkinson-White pattern (disorder)	74390002
Tachycardia-bradycardia (disorder)	74615001
Ventricular escape beat (disorder)	75532003
Supraventricular bradyarrhythmia (disorder)	762534000
Junctional premature beats (disorder)	81681009
Ventricular escape rhythm (disorder)	81898007

List of Arrhythmia SNOMED Codes

Description	Code
Atrio-ventricular node arrhythmia (disorder)	88412007
Pacemaker mediated tachycardia (disorder)	1208832006
Regular wide QRS complex tachycardia (disorder)	1220643007

List of Asthma SNOMED Codes

11641008	12428000	13151001	195949008	195967001
195977004	225057002	233672007	233678006	233679003
233683003	233688007	266361008	281239006	782520007
31387002	370218001	370219009	370220003	370221004
389145006	405944004	407674008	409663006	423889005
424643009	425969006	426656000	426979002	427295004
427603009	427679007	442025000	55570000	56968009
59786004	63088003	707445000	707446004	707447008
708090002	708093000	708094006	708095007	708096008
762521001	85761009	92807009	93432008	10674791000119 101
10676271000119 104				

List of Atrioventricular Block SNOMED Codes

102451000119107	195042002	204383001	233917008
233918003	251114004	27885002	28189009
283645003	284941000119107	54016002	733125004

List of Bradycardia SNOMED Codes

1142110005	1142111009	251162005	29894000	397841007
444605001	44602002	49044005	49710005	

List of Cardiac Pacer SNOMED Codes

Description	Code
Repair of cardiac pacemaker pocket in skin AND/OR subcutaneous tissue (procedure)	1279006
Implantation of leadless cardiac pacemaker (procedure)	1231779006
Replacement of leadless cardiac pacemaker (procedure)	1234788003
Introduction of cardiac pacemaker system via vein (procedure)	175135009

List of Cardiac Pacer SNOMED Codes	
Description	Code
Implantation of permanent intravenous cardiac pacemaker (procedure)	175142009
Implantation of intravenous fixed-rate cardiac pacemaker (procedure)	175143004
Implantation of intravenous triggered cardiac pacemaker (procedure)	175144005
Relocation of cardiac pacemaker pocket to new site in subcutaneous tissue (procedure)	20453006
Reposition of cardiac pacemaker pocket (procedure)	230588002
Cardiac pacemaker procedure (procedure)	233174007
Temporary cardiac pacemaker procedure (procedure)	233175008
Permanent cardiac pacemaker procedure (procedure)	233182007
Insertion of permanent epicardial cardiac pacemaker system (procedure)	233183002
Repair of cardiac pacemaker (procedure)	23325006
Implantation of rate-responsive cardiac single-chamber device (procedure)	23999003
Insertion of intracardiac pacemaker (procedure)	25267002
Implantation of emergency intravenous cardiac pacemaker (procedure)	265482008
Implantation of cardiac pacemaker (procedure)	307280005
Reimplantation of cardiac pacemaker electrode (procedure)	308805008
Implantation of simple one wire intravenous cardiac pacemaker (procedure)	309405007
Implantation of complex one wire intravenous cardiac pacemaker (procedure)	309407004
Implantation of complex two wire intravenous cardiac pacemaker (procedure)	309408009
Implantation of temporary intravenous cardiac pacemaker (procedure)	309471004
Implantation of intravenous dual chamber permanent cardiac pacemaker (procedure)	310582005
Replacement of cardiac pacemaker device with dual-chamber device (procedure)	384683008
Implantation of biventricular cardiac pacemaker system (procedure)	429064006
Implantation of intravenous single chamber cardiac pacemaker system (procedure)	429528001
Implantation of intravenous biventricular cardiac pacemaker system (procedure)	429542009
Reposition of permanent cardiac pacemaker using fluoroscopic guidance (procedure)	430294007
Replacement of permanent cardiac pacemaker using fluoroscopic guidance (procedure)	431846007
Insertion of temporary cardiac pacemaker using fluoroscopic guidance (procedure)	432113002

List of Cardiac Pacer SNOMED Codes	
Description	Code
Insertion of single chamber cardiac pacemaker pulse generator (procedure)	443753002
Insertion of dual chamber cardiac pacemaker pulse generator (procedure)	444179007
Replacement of cardiac pacemaker (procedure)	444566006
Repositioning of cardiac pacemaker lead using fluoroscopic guidance (procedure)	448242007
Replacement of cardiac biventricular implantable cardioverter defibrillator using fluoroscopic guidance (procedure)	448841009
Replacement of cardiac biventricular permanent pacemaker using fluoroscopic guidance (procedure)	448869001
Insertion of permanent cardiac pacemaker pulse generator and electrode (procedure)	449397007
Replacement of pulse generator of permanent cardiac pacemaker using fluoroscopic guidance (procedure)	450820006
Initial implantation of cardiac dual-chamber device (procedure)	58863009
Subcutaneous implantation of cardiac pacemaker (procedure)	65219008
Insertion of programmable cardiac pacemaker (procedure)	699125007
Implantation of cardiac defibrillator lead (procedure)	699135001
Cardiac pacemaker procedure using fluoroscopic guidance (procedure)	703073006
Revision of cardiac pacemaker electrode using fluoroscopic guidance (procedure)	704115002
Revision of internal cardiac defibrillator lead using fluoroscopic guidance (procedure)	736700005
Revision of cardiac biventricular implantable cardioverter defibrillator lead using fluoroscopic guidance (procedure)	737011002
Replacement of cardiac biventricular implantable cardioverter defibrillator (procedure)	771557007
Revision of permanent cardiac pacemaker device (procedure)	77453006
Replacement of cardiac pacemaker with single chamber pacemaker not specified as rate responsive (procedure)	8072003

List of Cardiac Pacer in Situ SNOMED Codes	
441509002	443325000
441769002	703396000
86041000119107	

List of Hypotension SNOMED Codes				
195506001	200113008	200114002	230664009	234171009
271870002	286963007	371073003	408667000	408668005
429561008	45007003	61933008	70247006	75181005
77545000	88887003			

List of Intolerance to Beta Blocker Therapy SNOMED Codes				
292419005	292420004	292421000	292424008	292425009
292426005	292427001	292428006	292430008	418370000
292431007	292432000	292433005	292434004	292435003
292436002	292437006	292438001	292439009	292440006
292441005	292442003	772020009		

List of Medical Reason SNOMED Codes	
Description	Code
Procedure contraindicated (situation)	183932001
Treatment not indicated (situation)	183964008
Drug treatment not indicated (situation)	183966005
Absent response to treatment (situation)	266721009
Late effect of medical and surgical care complication (disorder)	269191009
Drug resistance (disorder)	31438003
Complication of medical care (disorder)	35688006
Treatment not tolerated (situation)	407563006
Not indicated (qualifier value)	410534003
Contraindicated (qualifier value)	410536001
Drug allergy (disorder)	416098002
Procedure not indicated (situation)	428119001
Drug intolerance (disorder)	59037007
Adverse reaction to drug (disorder)	62014003
Drug interaction (finding)	79899007

List of Patient Reason SNOMED Codes	
Description	Code
Refusal of treatment by patient (situation)	105480006
Financial problem (finding)	160932005

List of Patient Reason SNOMED Codes	
Description	Code
Financial circumstances change (finding)	160934006
Patient requests alternative treatment (finding)	182890002
Drug declined by patient (situation)	182895007
Drug declined by patient - side effects (situation)	182897004
Drug declined by patient - patient beliefs (situation)	182900006
Drug declined by patient - cannot pay script (situation)	182902003
Procedure refused for religious reason (situation)	183945002
Patient has moved away (finding)	184081006
Patient dissatisfied with result (finding)	185479006
Dissatisfied with doctor (finding)	185481008
Variable income (finding)	224187001
Patient self-discharge against medical advice (procedure)	225928004
Drugs not taken/completed (situation)	266710000
Family illness (situation)	266966009
Patient defaulted from follow-up (finding)	275694009
Patient noncompliance - general (situation)	275936005
Did not attend (finding)	281399006
Further opinion sought (finding)	310343007
Treatment delay - patient choice (finding)	373787003
Medication refused (situation)	406149000
Patient forgets to take medication (finding)	408367005
Patient non-compliant - refused intervention / support (situation)	413311005
Procedure not wanted (situation)	416432009
Income insufficient to buy necessities (finding)	423656007
Income sufficient to buy only necessities (finding)	424739004
Refused (qualifier value)	443390004
Procedure discontinued by patient (situation)	713247000

**List of Substance with Beta Adrenergic Receptor Antagonist Mechanism of Action
Direct Reference SNOMED Codes**

373254001

Initial Population: Analysis of Specification

NextGen Healthcare Analysis	Mapping	Values
Patients age 18 years or older at the start date of the measurement period	Person Table	DOB/Age List of Values
AND		
At LEAST TWO qualifying Encounters: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, Outpatient Consultation, or Patient Provider Interaction during the measurement period	Procedures module, SNOMED Visit Type window	List of Values
AND		
Heart Failure Outpatient Encounter:		
Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period	Procedures module, SNOMED Visit Type window	List of Values
AND		
<p>ACTIVE Diagnosis of Heart Failure prior to or during Heart Failure Outpatient Encounter: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period</p> <p>Diagnosis of HF must be ACTIVE during qualifying Heart Failure Outpatient Encounter</p> <p>Note: A diagnosis of heart failure on or before at least one qualifying encounter</p>	Diagnosis module, Problems module	List of Values

See Also

- [List of Values for Initial Population](#)

Denominator: Analysis of Specification

NextGen Healthcare Analysis	Mapping	Values
Includes Initial Population		
AND		
Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD:		
Ejection Fraction documented with results $\leq 40\%$ prior to OR during Heart Failure Outpatient Encounter: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period	ECHO Result Wizard window, MPI Result Wizard window, Cath Result Wizard window Orders module Echo GS Echocardiogram Stress Nuclear Stress Test-Card	List of Values
OR		
ACTIVE Diagnosis of Moderate or Severe LVSD prior to OR during Heart Failure Outpatient Encounter: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period	Problems module	List of Values

See Also

- [List of Values for Denominator](#)

Denominator Exclusion: Analysis of Specification

NextGen Healthcare Analysis	Mapping	Values
Patient with a history of heart transplant documented prior to the end of Heart Failure Outpatient encounter with History of Moderate or Severe LVSD	CARD CH CHF CMwindow Procedure module MRcoded results Problem module Past Medical History module	List of Values
OR		
Patient with a Diagnosis of Heart Transplant Complications documented prior to the end of Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD	Diagnosis Module MRcoded results Problem module Past Medical History module	List of Values
OR		
Patient with a Left Ventricular Assist Device (LVAD) prior to the end of Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD	VAD Test Result Wiz window Procedure module MRcoded results Problem module Past Medical History module	List of Values
OR		
Patient with a Diagnosis of Left Ventricular Assist Device Complications prior to the end Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD	MRcoded results Problem module Past Medical History module	List of Values

See Also

- [List of Values for Denominator Exclusion](#)

Numerator: Analysis of Specification

NextGen Healthcare Analysis	Mapping	Values
Beta Blocker Therapy for LVSD prescribed during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period	Medications module	List of Values
OR		
Beta Blocker Therapy for LVSD starts prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period	Medications module	List of Values

See Also

- [List of Values for Numerator](#)

Denominator Exception: Analysis of Specification

NextGen Healthcare Analysis	Mapping	Values
MOST RECENT Occurrence B Heart Rate performed prior to Occurrence A Heart Rate	Vital Signs window	List of Values
AND		
BOTH Occurrence A and Occurrence B Heart Rate result < 50 bpm during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period Occurrence A and occurrence B Heart rate should be considered as consecutive heart rate.		
OR		
Documentation of Medical or Patient Reasons for not prescribing Medication Beta Blocker Therapy for LVSD during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period	Exceptions/ Measures window	List of Values
OR		
ACTIVE Arrhythmia Diagnosis prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD: Care Services in	Problems module, Diagnosis module	List of Values

NextGen Healthcare Analysis	Mapping	Values
Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period Diagnosis of Arrhythmia MUST be ACTIVE during Heart Failure Outpatient encounter		
OR		
ACTIVE Hypotension Diagnosis prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period Diagnosis of Hypotension MUST be ACTIVE during Heart Failure Outpatient encounter	Problems module, Diagnosis module	List of Values
OR		
ACTIVE Asthma Diagnosis prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period Diagnosis of Asthma MUST be ACTIVE during Heart Failure Outpatient encounter	Problems module, Diagnosis module	List of Values
OR		
ACTIVE Allergy to Beta Blocker Therapy Ingredient Diagnosis prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD: Care Services in Long-Term Residential Facility,	Allergies module, Problems module	List of Values

NextGen Healthcare Analysis	Mapping	Values
Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period Diagnosis of Allergy to Beta Blocker Therapy MUST be ACTIVE during Heart Failure Outpatient encounter		
OR		
Medication Intolerance to Beta Blocker Therapy Diagnosis prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period Intolerance Beta Blocker Therapy Allergy MUST be ACTIVE during Heart Failure Outpatient encounter	Allergies module	List of Values
OR		
ACTIVE Intolerance to Beta Blocker Therapy Diagnosis prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period Diagnosis of Intolerance to Beta Blocker Therapy MUST be ACTIVE during Heart Failure Outpatient encounter	Problems module	List of Values
OR		

NextGen Healthcare Analysis	Mapping	Values
<p>ACTIVE Bradycardia Diagnosis prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period</p> <p>* Diagnosis of Bradycardia MUST be ACTIVE during Heart Failure Outpatient encounter</p>	Problems module, Diagnosis module	List of Values
OR		
<p>Medication, Allergy or Intolerance to Beta Blocker Therapy Ingredient prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period</p> <p>Medication, Allergy to Beta Blocker Therapy Ingredient MUST be ACTIVE during Heart Failure Outpatient encounter</p>	Allergies module	List of Values
OR		
<p>ACTIVE Atrioventricular Block Diagnosis prior to or Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period</p> <p>Diagnosis of Atrioventricular Block MUST be ACTIVE during Heart Failure Outpatient encounter</p>	Problems module, Diagnosis module	List of Values

NextGen Healthcare Analysis	Mapping	Values
AND NOT		
<p>ACTIVE Cardiac Pacer in Situ Diagnosis or Cardiac Pacer Implant Procedure performed prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD: Care Services in Long-Term Residential Facility, Home Healthcare Services, Nursing Facility Visit, Office Visit, or Outpatient Consultation during the measurement period</p> <p>Diagnosis of Cardiac Pacer in Situ MUST be ACTIVE during Heart Failure Outpatient encounter</p>	<p>Problems module, Diagnosis module, Device Result Wiz window, Manage Past Medical/Surgical History window Procedure module</p>	<p>List of Values</p>

See Also

- [List of Values for Denominator Exceptions](#)

Special Considerations

Denominator Exceptions criteria for all CQM measures are excluded from the Numerator. Please see below for CMS definition:

- Denominator Exceptions (DException): A subset of the Denominator. Only those members of the Denominator that are considered for Numerator membership and are not included are considered for membership in the Denominator Exceptions.

This measure reports on patients.

This measure will be incremented across the enterprise if enterprise chart is enabled.

Note:

Due to NextGen Adaptive Content Engine limitations, the Denominator Exceptions criteria:

- Medication, Order not done: Medical Reason for Beta Blocker Therapy for LVSD
- Medication, Order not done: Patient Reason for Beta Blocker Therapy for LVSD
- Medication, Order not done: System Reason for Beta Blocker Therapy for LVSD

cannot be captured in version 8.4.x. These enhancements can be found in NextGen® Enterprise Spring '21 (v6.2021.1) and higher.

Assumptions

For more information on NextGen HQM Assumptions, refer to the following link:https://www.community.nextgen.com/articles/White_Papers/Assumptions-for-Health-Quality-Measures-Portal-Measures-Papers

References: Configure Medical, Surgical, Family Hx System Template

Links to White Paper instructions: https://www.community.nextgen.com/articles/White_Papers/Configure-Medical-Surgical-Family-Hx-System-Template-White-Paper-for-NextGen-KBM-Version-8-4

or <https://www.community.nextgen.com/articles/UserGuides/Configure-Medical-Surgical-Family-Hx-System-Template-for-NextGen-Adaptive-Content-Engine-8-4-2>

Configure Medical, Surgical, Family Hx

Panel Control: Toggle Cycle

Condition and Management Configuration

*Type: ☐ PMH Medical ☒ PMH Management ☐ Family History

*Condition/Management: Total colectomy Characters left: 215

*Code: ☐ Code N/A 26390003

Add Update Clear

Filter: Type: Show only removed items

Type	Sub Type	Condition/Management	Code System	Code Value
PMHMG		tocolytic agent	SNOMED	262212007
PMHMG	PMHS	Tonsillectomy	SNOMED	173422009
PMHMG		Tonsillitis	SNOMED	90176007
PMHMG		Topical form tacrolimus (product)	SNOMED	395431000
PMHMG	PMHS	Total arthroplasty of knee, geomedic or polycentric (procedure)	SNOMED	392237008
PMHMG	PMHS	Total colectomy	SNOMED	26390003
PMHMG	PMHS	Total prosthetic replacement of knee joint not using cement (procedure)	SNOMED	265172001
PMHMG	PMHS	Total prosthetic replacement of knee joint using cement (procedure)	SNOMED	265170009
PMHMG	PMHS	Total replacement of left knee joint (procedure)	SNOMED	443681002

Remove

Past Medical

Management Items

Past Surgical

CRS 2.0 Configuration

Links to white paper instructions:

<https://www.community.nextgen.com/articles/UserGuides/Coded-Results-Mapping-User-Guide-for-NextGen-Adaptive-Content-Engine-5-9-2020-1>

<https://www.community.nextgen.com/articles/UserGuides/Coded-Results-Mapping-User-Guide-for-NextGen-Adaptive-Content-Engine-6-2021-1>

<https://www.community.nextgen.com/articles/Knowledge/Coded-Results-Mapping-User-Guide-for-NextGen-Adaptive-Content-Engine-Enterprise-8>

Coded Results Mapping

How to use this template: Copy records to practice: Copy

Add/Update Coded Results Mapping

Source Table: Source Field: Field Value: Map any Value: ☒ Code System: Code Value:

Comments:

☐ Show removed Filter by: ☐ Show all ☐ Source table/field ☒ Code value 2 records

Source Table	Source Field	Field Value	Any Value	Code System	Code Value	Comments
Card_Testing_Echo_A	tbl_echo_ejectionfrac		Y	LOINC	8806-2	added to test loinc co

For more information on NextGen HQM, refer to the following links:

- [NextGen Healthcare](#)
- [HQM Documentation](#)
- [CMS](#)

NextGen HQM Data Assumptions

The following list outlines some of the NextGen HQM data assumptions:

- Qualifying data from NextGen Adaptive Content Engine
- **Diagnosis** and **Diagnosis Date**
- **Lab Results** and **Lab Results Date**
- **Age**
- **Demographic Data**
- **Medication Dates**
- **Medications**
- `Order_table`
- Window templates
- **Visit Type**
- **Vital Signs**

Document Revision History

Program Year	Program Name	Date	Document Version	Summary of Changes
2025	CMS	12/13/2024	1.0	Initial Release