



CMS 2025 Measure 135 v13

for NextGen[®] HQM

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Overview

Measure Name

CMS 135 v13: Heart Failure (HF): Angiotensin-Converting Enzyme (ACE) Inhibitor or Angiotensin Receptor Blocker (ARB) or Angiotensin Receptor-Neprilysin Inhibitor (ARNI) 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 ACE inhibitor or ARB or ARNI therapy during the measurement period.

Definition

Prescribed: prescription given to the patient for ACE inhibitor or ARB or ARNI therapy at one or more visits in the measurement period OR patient already taking ACE inhibitor or ARB or ARNI therapy as documented in current medication list.

LVEF $\leq 40\%$ 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.

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

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 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."

Eligible clinicians who have given a prescription for or whose patient is already taking an Angiotensin-Converting Enzyme Inhibitor (ACEI) or Angiotensin Receptor Blocker (ARB) would meet performance for this measure. Other combination therapies that consist of an ACEI plus diuretic, ARB + neprilysin inhibitor (ARNI), ARB plus diuretic, ACEI plus calcium channel blocker, ARB plus calcium channel blocker, or ARB plus calcium channel blocker plus diuretic would also meet performance for this measure.

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

Note: This eCQM contains Medicare telehealth-eligible codes found in encounter value sets, which can be used for in-person or telehealth encounters.

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

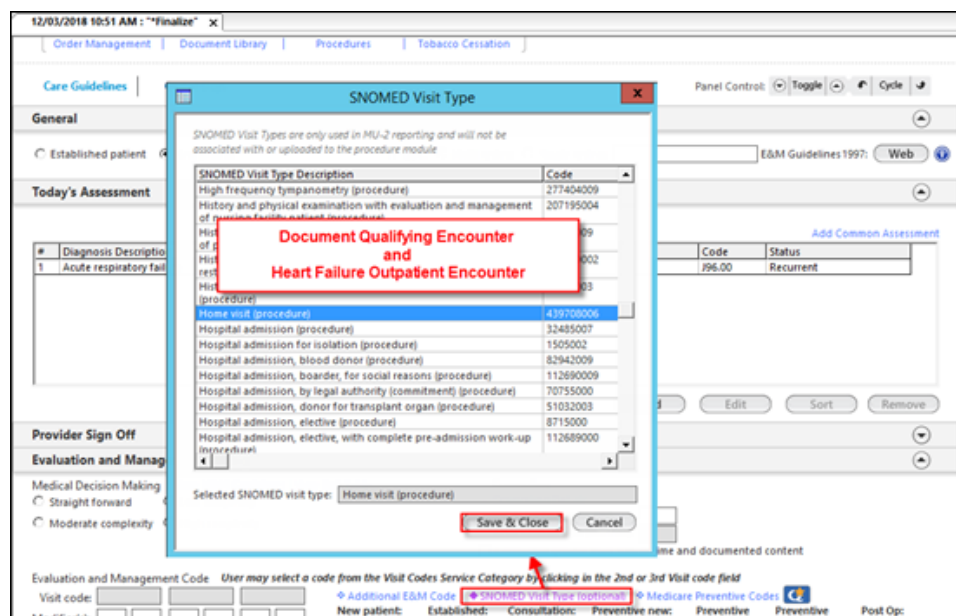
Data elements for the Initial Population for this measure are captured in Procedures, Diagnosis, and Problems modules, in addition to the Person table. Workflows for this Initial Population include how to document Qualifying Encounter and Heart Failure Outpatient Encounter.

Document Qualifying Encounters and Heart Failure Outpatient Encounters

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

1. From the **Finalize** template, expand the **Evaluation and Management Coding** panel.
2. Select the **SNOMED Visit Type (optional)** link.

The **SNOMED Visit Type** window opens.



3. Select one of the following qualifying SNOMED encounter codes:

- Care Services in Long-Term Residential Facility
- Home Healthcare Services
- Nursing Facility Visit
- Office Visit
- Outpatient Consultation
- Patient Provider Interaction

4. Select **Save & Close**.

5. Save the Finalize template.

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

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	99347
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			
10091002	101281000119107	10633002	111283005
120851000119104	120861000119102	120871000119108	120881000119106
120891000119109	120901000119108	153931000119109	153941000119100
153951000119103	15629541000119106	15629591000119103	15629641000119107
15629741000119102	15781000119107	15964701000119109	194767001
194779001	194781004	195111005	195112003
195114002	1204200007	1204203009	1204204003
1204206001	1204462004	88805009	90727007
92506005	206586007	23341000119109	233924009
25544003	314206003	364006	410431009
417996009	418304008	42343007	424404003
426263006	426611007	43736008	44088000
441481004	441530006	44313006	443253003
443254009	443343001	443344007	46113002
471880001	48447003	5148006	5375005
56675007	67431000119105	67441000119101	698594003
703272007	703273002	703274008	703275009
703276005	717840005	72481000119103	74960003
82523003	83105008	84114007	85232009
871617000			

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
Encounter by computer link (procedure)	185320006
Letter encounter to patient (procedure)	185321005
Encounter for check up (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
E-mail sent to patient (procedure)	401271004
Urgent follow-up (procedure)	406547006
E-mail encounter from carer (procedure)	438515009
E-mail encounter to carer (procedure)	438516005
Encounter by short message service text messaging (procedure)	445450000
Telemedicine consultation with patient (procedure)	448337001
Follow-up inpatient consultation visit (procedure)	87790002
Initial evaluation and management of healthy individual (procedure)	90526000

Denominator Workflow

Data elements for the Denominator for this measure are also captured in the Problems and Orders modules. The Initial Population criteria is included in the Denominator.

Workflows for this Denominator include how to document ejection fraction

Documenting Ejection Fraction

You can document the document ejection fraction on the following templates:

- **ECHO Result Wizard**
- **MPI Result Wizard**
- **Cath Result Wizard**
- **Echo GS**
- **Echocardiogram**
- **Stress Nuclear**
- **Stress Test-Card**

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

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

1. On the **Intake** template, select **Cardiology** as the specialty, and then select the **Procedures** tab.
2. From the **Cardiac Procedures** blue navigation pane, select the **Echo/MUGA** link.
3. From **Echo/MUGA**, select any option.
The **ECHO Result Wizard** template opens.

4. Enter the details in **LVEF results** using the number pad on the template, and then select **Accept** to save the LVEF results.

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

1. On the **Intake** template, select **Cardiology** as the specialty, and then select the **Procedures** tab.
2. From the **Cardiac Procedures** navigation pane, select the **Stress Test** link. The **Stress Test** picklist appears.
3. Select any option except **ETT (Exercise Tolerance Test)**. The **MPI Result Wizard** template opens.

MPI Result Wizard

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

Document Ejection Fraction

EF: **Normal**

1 2 3
4 5 6
7 8 9
0 Clear

Severity: **Normal** Next Normal Global Clear

Equivocal Scar Equivocal Motion
Possible No Scar Possible Breast
Small Ischemia Small Diaphragm
Moderate No Ischemia Moderate Gut
Large PI Ischemia Severe Artifact

Mt:
Transmural
Nontransmural

EF 0.12 (12%)

Comments:

Clear All **Accept** Cancel

4. Enter the details in **LVEF results** using the number pad on the template, and then select **Accept** to save the LVEF results.

Cath Result Wizard Template NextGen Adaptive Content Engine 8.4.x and Higher

1. On the **Intake** template, select **Cardiology** as the specialty, and then select the **Procedures** tab.
2. From the **Cardiac Procedures** navigation pane, select **Cath Lab** link.
The **Invasive** picklist appears.
3. Select **Cath**.
The **Cath Result Wizard** template opens.

Cath Result Wizard

Procedure: Cath Results
Date: 04/05/2016
Performed By:

Document Ejection Fraction

Coronaries: **EF**
Grafts: 1 2 3
Patient: 4 5 6
0 Nm Clr

Coronaries: Stenosis: Minimal Disease Normal Clear
Dominant: R C L

Severity: Next NWMA Global Clear
Mild
Moderate
Severe
Function: Hypo Akin Dysk

Comments:

EF 0.05 (5%)

Clear All **Accept** Cancel

4. To activate ejection fraction (EF), select the **EF** link.
The **EF** text turns purple.
5. Enter the details in **LVEF results** using the number pad on the template, and then select **Accept** to save the LVEF results.

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

1. Open the **Echo GS** template.

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

Pt age: 17 years 4 months
 Date: 05/09/2018 Tape:
 Diagnosis:
 Sonographer:

Reading MD:
 Referring:
 PCP:

Chambers: Description:
 Left atrium:
 Left ventricle:
 Right atrium:
 Right ventricle:
 Atrial septum:
 Pericardium:
 Comments:

Document Ejection fraction
 All LV segments normal: ☐
 Ejection fraction: 0

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

2. Under the **Chambers** section, in **Ejection Fraction** field, enter the LVEF results using the number pad.

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

3. Select **Save & Close**.

Echocardiogram: NextGen Adaptive Content Engine 8.4.x and Later

1. Open the **Echocardiogram** template.

The screenshot shows the NextGen Echocardiogram template interface. The form includes sections for Pre-Procedure Care, Test/Patient Data, Medications, Indications, and LV Systolic Function. A red box highlights the 'Ejection fraction' field, which is set to 35%.

2. Under the **LV Systolic Function** section, in **Ejection Fraction**, enter the LVEF results using the number pad.

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

3. Select **Save & Close**.

Note: This workflow requires user configuration of CRS 2.0 to support accurate reporting. You must ensure that the mappings are added to the **Coded Results Mapping** template.

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

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

The screenshot shows the 'Stress Nuclear' form with the following fields and sections:

- Nuclear Stress Interpretation**
 - Study Date: 06/06/2018
 - Height: [] in
 - Weight: [] lb
 - Ordering MD: []
 - PCP: []
 - Cardiologist: []
 - Interpreting MD: []
 - Indication for Exam: []
 - Buttons: Add or Update Assessment, Add to Today's Assessments, Clear
- 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

Stress LVEF:	severity:	location:	location:	wall motion:
[] %				
 - Resting:** ☐ Normal resting wall motion

Resting LVEF:				
35 %				
- Comments:** []

Document Ejection Fraction
- Buttons: Stress Nuclear Doc, Stress Master Doc, Save & Close

Note: You must enter the percentage value in **Resting LVEF** .

2. Select **Save & Close**.

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

1. Open the **Stress Test-Card** template, and then under the **Procedure Information** section, in **Test/Patient Data**, select **Stress Echo** for the **Stress** type.
2. In the **Wall Motion** section, select **Open Wall Motion**.
The **Card Testing St Wallmotion** template opens.

The screenshot shows the 'Card Testing St Wallmotion' software interface. The window title is '06/06/2018 10:14 AM : "Stress Test - Card"'. The 'Pre-exercise' section includes 'Ejection fraction (EF) = Approx' with a value of 15% and 'Wall motion score' with a value of 20. The 'Post-exercise' section includes 'Ejection fraction (EF) = Approx' with a value of 20% and 'Wall motion score' with a value of 20. The 'Save & Close' button is highlighted with a red box. A red arrow points to the 'Open Wall Motion' button at the bottom right.

- Under the **Pre-exercise** section, in **Ejection Fraction**, enter the LVEF results.

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

- Select **Save & Close**.

Note: This workflow requires user configuration of CRS 2.0 to support accurate reporting. You must ensure that the mappings are added to the **Coded Results Mapping** template.

See Also

- [CRS 2.0 Configuration](#)

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	93644-3
93645-0	93646-8				

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 Exclusions for this measure are also captured in the Procedures, Problems and Diagnosis modules, in addition to the Person table and by using and the Screening Tools Log Configuration in System\Practice template.

Note: Ensure that the appropriate LOINC and SNOMED codes are mapped using the Screening Tools Log Configuration.

Workflows for the Denominator Exclusions include how to:

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

See Also

- [Configure Screening Tools Logs](#)

Document History of Heart Transplant

Use the CARD_CH_CAD template, NextGen Adaptive Content Engine 8.4.x and later.

1. On the **Intake** template, select **Cardiology** as the specialty and any visit type.
2. Select the **Histories** tab.
The **Histories - Cardiology** template opens.
3. From the **Problems** section, select the **CHF/Cardiomyopathy** link from the navigation bar.
The **CARD_CH_CHF_CM** template opens.

The screenshot shows the 'Histories' tab in the NextGen HQM interface. The 'Specialty' is set to 'Cardiology' and the 'Visit Type' is 'Office Consult'. The 'Cardiac Problem List' on the left includes 'CHF/Cardiomyopathy'. The 'Detail' section on the right has the 'Heart Transplant Patient' checkbox selected. A red box at the bottom of the form contains the text 'Document history of heart transplant'.

4. Enter the procedure date.
5. In the **Detail** section, select the **Heart Transplant Patient** check box.
6. Select **Accept**.

Note: This workflow requires user configuration of CRS 2.0 to support accurate reporting. You must ensure that mappings are added to the **Coded Results Mapping** template.

See Also

- [CRS 2.0 Configuration](#)

Document Left Ventricular Assist Device (LVAD)

Use the VAD Test Result Wizard template, 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. From the left navigation pane, select **CV Surgery**, and then select **VAD**.
The **Test Result Wizard** template opens.

The screenshot shows the 'Test Result Wizard' window. The 'Procedures' tab is active. On the left, under 'Cardiac Procedures', 'CV Surgery' is selected. In the 'Type of VAD' dropdown, 'LVAD' is chosen. A red box highlights the 'LVAD' option. A red text box in the center reads 'Document Left Ventricular Assist Device (LVAD)'. The 'Accept' button is highlighted at the bottom right.

4. Enter the procedure date.
5. In **Type of VAL**, select **LVAD** or **BIVAD**.
6. Select **Accept**.

Note: This workflow requires user configuration of CRS 2.0 to support accurate reporting. You must ensure that mappings are added to the **Coded Results Mapping** template.

See Also

- [CRS 2.0 Configuration](#)

List of Values for Denominator Exclusion

CPT

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

List of Heart Transplant CPT Codes	
33935	33945

ICD

List of Heart Transplant Complications ICD Codes			
I25.750	I25.751	I25.758	I25.759

SNOMED

List of Care Services in Long-Term Residential FacilitySNOMED 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
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

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
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

List of Heart Transplant Complications SNOMED Codes	
Description	Code
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

Data elements for the Numerator for this measure are captured in the Medication module.

List of Values for Numerator

RxNorm

List of ACE Inhibitor or ARB or ARNI RxNorm Codes	
Description	Code
Amlodipine 5 MG / Hydrochlorothiazide 25 MG / Olmesartan medoxomil 40 MG Oral Tablet	1000001
azilsartan medoxomil 40 MG Oral Tablet	1091646
azilsartan medoxomil 80 MG Oral Tablet	1091652
azilsartan medoxomil 40 MG / Chlorthalidone 12.5 MG Oral Tablet	1235144
azilsartan medoxomil 40 MG / Chlorthalidone 25 MG Oral Tablet	1235151
Hydrochlorothiazide 12.5 MG / Moexipril hydrochloride 15 MG Oral Tablet	1299859
Hydrochlorothiazide 12.5 MG / Moexipril hydrochloride 7.5 MG Oral Tablet	1299871
Hydrochlorothiazide 25 MG / Moexipril hydrochloride 15 MG Oral Tablet	1299890
Moexipril hydrochloride 15 MG Oral Tablet	1299896
Moexipril hydrochloride 7.5 MG Oral Tablet	1299897
Enalapril Maleate 1 MG/ML Oral Solution	1435624
candesartan cilexetil 4 MG Oral Tablet	153822
candesartan cilexetil 8 MG Oral Tablet	153823
Amlodipine 10 MG / Perindopril arginine 14 MG Oral Tablet	1600716
Amlodipine 2.5 MG / Perindopril arginine 3.5 MG Oral Tablet	1600724
Amlodipine 5 MG / Perindopril arginine 7 MG Oral Tablet	1600728
sacubitril 24 MG / valsartan 26 MG Oral Tablet	1656340
sacubitril 49 MG / valsartan 51 MG Oral Tablet	1656349
sacubitril 97 MG / valsartan 103 MG Oral Tablet	1656354
nebivolol 5 MG / valsartan 80 MG Oral Tablet	1798281
lisinopril 1 MG/ML Oral Solution	1806884
Captopril 25 MG / Hydrochlorothiazide 15 MG Oral Tablet	197436
Captopril 25 MG / Hydrochlorothiazide 25 MG Oral Tablet	197437

List of ACE Inhibitor or ARB or ARNI RxNorm Codes	
Description	Code
Captopril 50 MG / Hydrochlorothiazide 15 MG Oral Tablet	197438
Captopril 50 MG / Hydrochlorothiazide 25 MG Oral Tablet	197439
Lisinopril 40 MG Oral Tablet	197884
Hydrochlorothiazide 12.5 MG / Lisinopril 10 MG Oral Tablet	197885
Hydrochlorothiazide 12.5 MG / Lisinopril 20 MG Oral Tablet	197886
Hydrochlorothiazide 25 MG / Lisinopril 20 MG Oral Tablet	197887
Ramipril 2.5 MG Oral Capsule	198188
Ramipril 5 MG Oral Capsule	198189
trandolapril 2 MG Oral Tablet	199351
trandolapril 4 MG Oral Tablet	199352
trandolapril 1 MG Oral Tablet	199353
valsartan 4 MG/ML Oral Solution	1996254
irbesartan 75 MG Oral Tablet	200094
irbesartan 150 MG Oral Tablet	200095
irbesartan 300 MG Oral Tablet	200096
Hydrochlorothiazide 12.5 MG / valsartan 80 MG Oral Tablet	200284
Hydrochlorothiazide 12.5 MG / valsartan 160 MG Oral Tablet	200285
telmisartan 40 MG Oral Tablet	205304
telmisartan 80 MG Oral Tablet	205305
Lisinopril 30 MG Oral Tablet	205326
ramipril 2.5 MG Oral Tablet	251856
ramipril 5 MG Oral Tablet	251857
Ramipril 10 MG Oral Capsule	261962
telmisartan 20 MG Oral Tablet	282755
Hydrochlorothiazide 12.5 MG / telmisartan 40 MG Oral Tablet	283316
Hydrochlorothiazide 12.5 MG / telmisartan 80 MG Oral Tablet	283317
Captopril 100 MG Oral Tablet	308962
Captopril 12.5 MG Oral Tablet	308963
Captopril 50 MG Oral Tablet	308964
eprosartan 600 MG Oral Tablet	310140
Hydrochlorothiazide 12.5 MG / irbesartan 150 MG Oral Tablet	310792

List of ACE Inhibitor or ARB or ARNI RxNorm Codes	
Description	Code
Hydrochlorothiazide 12.5 MG / irbesartan 300 MG Oral Tablet	310793
Hydrochlorothiazide 12.5 MG / quinapril 10 MG Oral Tablet	310796
Hydrochlorothiazide 12.5 MG / quinapril 20 MG Oral Tablet	310797
Hydrochlorothiazide 25 MG / quinapril 20 MG Oral Tablet	310809
Lisinopril 2.5 MG Oral Tablet	311353
Lisinopril 5 MG Oral Tablet	311354
quinapril 10 MG Oral Tablet	312748
quinapril 20 MG Oral Tablet	312749
quinapril 5 MG Oral Tablet	312750
Lisinopril 10 MG Oral Tablet	314076
Lisinopril 20 MG Oral Tablet	314077
quinapril 40 MG Oral Tablet	314203
Captopril 25 MG Oral Tablet	317173
valsartan 80 MG Oral Tablet	349199
valsartan 320 MG Oral Tablet	349200
valsartan 160 MG Oral Tablet	349201
Hydrochlorothiazide 25 MG / valsartan 160 MG Oral Tablet	349353
Olmesartan medoxomil 5 MG Oral Tablet	349373
Olmesartan medoxomil 20 MG Oral Tablet	349401
Olmesartan medoxomil 40 MG Oral Tablet	349405
valsartan 40 MG Oral Tablet	349483
eprosartan 600 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	351292
eprosartan 600 MG / Hydrochlorothiazide 25 MG Oral Tablet	351293
ramipril 1.25 MG Oral Tablet	401965
ramipril 10 MG Oral Tablet	401968
Hydrochlorothiazide 12.5 MG / Olmesartan medoxomil 20 MG Oral Tablet	403853
Hydrochlorothiazide 12.5 MG / Olmesartan medoxomil 40 MG Oral Tablet	403854
Hydrochlorothiazide 25 MG / Olmesartan medoxomil 40 MG Oral Tablet	403855
Hydrochlorothiazide 25 MG / telmisartan 80 MG Oral Tablet	477130
Hydrochlorothiazide 25 MG / irbesartan 300 MG Oral Tablet	485471
candesartan cilexetil 16 MG Oral Tablet	577776

List of ACE Inhibitor or ARB or ARNI RxNorm Codes	
Description	Code
candesartan cilexetil 16 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	578325
candesartan cilexetil 32 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	578330
Hydrochlorothiazide 12.5 MG / valsartan 320 MG Oral Tablet	636042
Hydrochlorothiazide 25 MG / valsartan 320 MG Oral Tablet	636045
candesartan cilexetil 32 MG Oral Tablet	639537
Amlodipine 10 MG / valsartan 160 MG Oral Tablet	722126
Amlodipine 10 MG / valsartan 320 MG Oral Tablet	722131
Amlodipine 5 MG / valsartan 160 MG Oral Tablet	722134
Amlodipine 5 MG / valsartan 320 MG Oral Tablet	722137
Amlodipine 10 MG / Olmesartan medoxomil 20 MG Oral Tablet	730861
Amlodipine 10 MG / Olmesartan medoxomil 40 MG Oral Tablet	730866
Amlodipine 5 MG / Olmesartan medoxomil 20 MG Oral Tablet	730869
Amlodipine 5 MG / Olmesartan medoxomil 40 MG Oral Tablet	730872
candesartan cilexetil 32 MG / Hydrochlorothiazide 25 MG Oral Tablet	802749
Ramipril 1.25 MG Oral Capsule	845488
Amlodipine 10 MG / Hydrochlorothiazide 12.5 MG / valsartan 160 MG Oral Tablet	848131
Amlodipine 10 MG / Hydrochlorothiazide 25 MG / valsartan 320 MG Oral Tablet	848135
Amlodipine 5 MG / Hydrochlorothiazide 12.5 MG / valsartan 160 MG Oral Tablet	848140
Amlodipine 5 MG / Hydrochlorothiazide 25 MG / valsartan 160 MG Oral Tablet	848145
Amlodipine 10 MG / Hydrochlorothiazide 25 MG / valsartan 160 MG Oral Tablet	848151
Perindopril Erbumine 8 MG Oral Tablet	854925
Perindopril Erbumine 2 MG Oral Tablet	854984
Perindopril Erbumine 4 MG Oral Tablet	854988
Fosinopril Sodium 10 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	857166
Fosinopril Sodium 10 MG Oral Tablet	857169
Fosinopril Sodium 20 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	857174
Fosinopril Sodium 20 MG Oral Tablet	857183
Fosinopril Sodium 40 MG Oral Tablet	857187
Enalapril Maleate 2.5 MG Oral Tablet	858804
Enalapril Maleate 20 MG Oral Tablet	858810
Enalapril Maleate 5 MG Oral Tablet	858813

List of ACE Inhibitor or ARB or ARNI RxNorm Codes	
Description	Code
Enalapril Maleate 10 MG Oral Tablet	858817
Enalapril Maleate 5 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	858824
Enalapril Maleate 10 MG / Hydrochlorothiazide 25 MG Oral Tablet	858828
Amlodipine 10 MG / telmisartan 40 MG Oral Tablet	876514
Amlodipine 10 MG / telmisartan 80 MG Oral Tablet	876519
Amlodipine 5 MG / telmisartan 40 MG Oral Tablet	876524
Amlodipine 5 MG / telmisartan 80 MG Oral Tablet	876529
24 HR trandolapril 1 MG / Verapamil hydrochloride 240 MG Extended Release Oral Tablet	897781
24 HR trandolapril 2 MG / Verapamil hydrochloride 180 MG Extended Release Oral Tablet	897783
24 HR trandolapril 2 MG / Verapamil hydrochloride 240 MG Extended Release Oral Tablet	897844
24 HR trandolapril 4 MG / Verapamil hydrochloride 240 MG Extended Release Oral Tablet	897853
Amlodipine 10 MG / Benazepril hydrochloride 20 MG Oral Capsule	898342
Amlodipine 10 MG / Benazepril hydrochloride 40 MG Oral Capsule	898346
Amlodipine 2.5 MG / Benazepril hydrochloride 10 MG Oral Capsule	898350
Amlodipine 5 MG / Benazepril hydrochloride 10 MG Oral Capsule	898353
Amlodipine 5 MG / Benazepril hydrochloride 20 MG Oral Capsule	898356
Amlodipine 5 MG / Benazepril hydrochloride 40 MG Oral Capsule	898359
Benazepril hydrochloride 10 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	898362
Benazepril hydrochloride 20 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	898367
Benazepril hydrochloride 20 MG / Hydrochlorothiazide 25 MG Oral Tablet	898372
Benazepril hydrochloride 5 MG / Hydrochlorothiazide 6.25 MG Oral Tablet	898378
Benazepril hydrochloride 10 MG Oral Tablet	898687
Benazepril hydrochloride 20 MG Oral Tablet	898690
Benazepril hydrochloride 40 MG Oral Tablet	898719
Benazepril hydrochloride 5 MG Oral Tablet	898723
Hydrochlorothiazide 12.5 MG / Losartan Potassium 100 MG Oral Tablet	979464
Hydrochlorothiazide 12.5 MG / Losartan Potassium 50 MG Oral Tablet	979468
Hydrochlorothiazide 25 MG / Losartan Potassium 100 MG Oral Tablet	979471
Losartan Potassium 100 MG Oral Tablet	979480

List of ACE Inhibitor or ARB or ARNI RxNorm Codes	
Description	Code
Losartan Potassium 25 MG Oral Tablet	979485
Losartan Potassium 50 MG Oral Tablet	979492
Amlodipine 5 MG / Hydrochlorothiazide 12.5 MG / Olmesartan medoxomil 20 MG Oral Tablet	999967
Amlodipine 10 MG / Hydrochlorothiazide 12.5 MG / Olmesartan medoxomil 40 MG Oral Tablet	999986
Amlodipine 10 MG / Hydrochlorothiazide 25 MG / Olmesartan medoxomil 40 MG Oral Tablet	999991
Amlodipine 5 MG / Hydrochlorothiazide 12.5 MG / Olmesartan medoxomil 40 MG Oral Tablet	999996

Denominator Exceptions Workflow

Data elements for the Denominator Exceptions for this measure are also captured in the Diagnosis or Problems modules. Workflows for the Denominator Exceptions include how to:

- Document Medical or Patient Reason for Not Ordering ACEI or ARB or ARNI
- Document Patient Reason for ACE Inhibitor or ARB Decline
- Document Medication, Intolerance: ACE inhibitor or ARB
- Document Medication, Allergy: ACE Inhibitor or ARB Ingredient

Documenting Medical or Patient Reason for Not Ordering ACEI or ARB or ARNI

You can document medical or patient reason for not ordering ACEI or ARB or ARNI on the **Exceptions/Measures** templates:

Note: Documentation of Medical or Patient Reason for Not Ordering ACEI or ARB or ARNI can be completed using any of the templates indicated in this section of the document. It is not necessary to document this criterion in all of the specified templates to meet the intent of this measure.

Exceptions/Measures Template: NextGen Adaptive Content Engine 8.4.x and Later

1. From the ***Intake** template, select **Exceptions/Measures** from the left navigation pane. The **Exceptions/Measures** template opens.

Exceptions/Measures

Measure Details

Title: Heart Failure: Angiotensin-Converting Enzyme Inhibitor, Angiotensin Receptor Blocker or Angiotensin Receptor-Neglysin Inhibitor for 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 ACE inhibitor or ARB or ARNI 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: Jessup M, Abraham WT, Casey DE, et al., writing on behalf of the 2005 Guideline Update for the Diagnosis and Management of Chronic Heart Failure in the Adult Writing Committee. 2009 focused update: ACC/AHA guidelines for the diagnosis and management of heart failure in adults: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines. J Am Coll Cardiol. 2009;53:1343-82.

Previous status/comments: **Document Medical, Patient or System Reason for Not Ordering ACEI or ARB or ARNI**

Exception Management

Class: ACE Inhibitor or ARB

Item: 24 HR brandolapril 1 MG / Verapamil hydrochloride 240 MG Extended Release Oral Tablet

Exception: Absent response to treatment (situation)

Details: ☐ This exception is permanent **Update** Remove

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

Measure #	Measure	Measure System	Exception Class	Exception
N CMS135 (NQF0812)	Heart Failure: ACE Inhibitor or ARB for LVSD	CMS	ACE Inhibitor or ARB	
F CMS138 (NQF0928)	Tobacco Use: Screening and Cessation Intervention	CMS	Multiple Exception Class	
N CMS139 (NQF0912)	Falls: Screening for Future Fall Risk	CMS	Falls Screening	
N CMS140 (NQF0918)	Breast Cancer: Hormonal Therapy	CMS	Tamoxifen or Aromatase Inhibitor Therapy	

OK Cancel

2. Select the **Exceptions (all)** option.
3. Select Measure #: **CMS135**, Measure: **Heart Failure: Ace Inhibitor or ARB for LVSD** and Exception Class: **Ace Inhibitor or ARB** to be addressed in the fields above.
4. In **Item**, select one of the qualifying options from the list of ACE Inhibitor or ARB RxNorm codes.
5. In **Exception**, select a qualifying **Medical** or **Patient** reason from the list of values for denominator exceptions section.
6. Select **Update**, and then select **OK**.

See Also

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

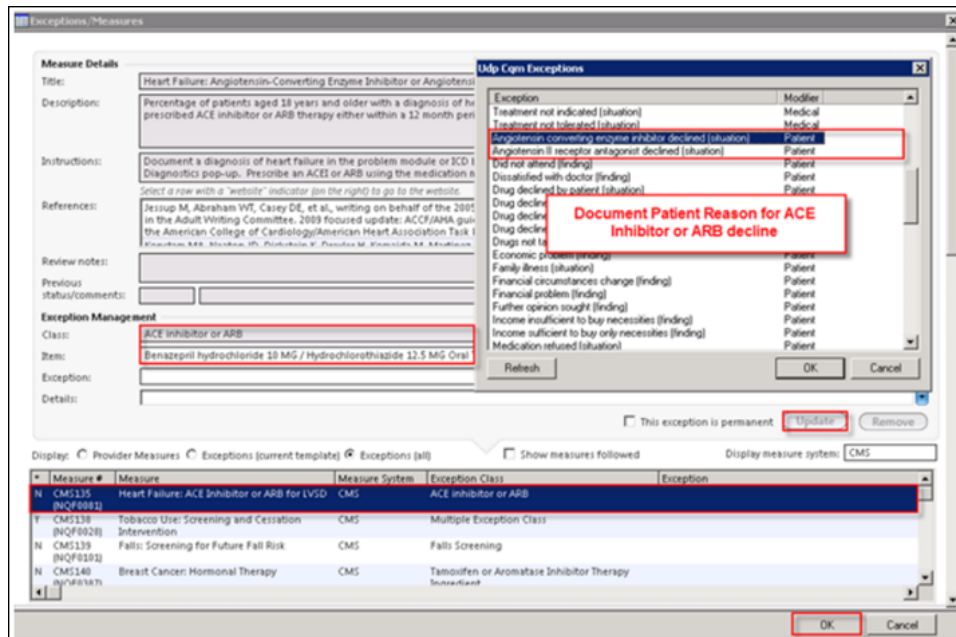
Documenting Patient Reason for ACE Inhibitor or ARB Decline

Note: You can document patient reason for ACE Inhibitor or ARB Decline on the following templates:

- **Exceptions/Measures**

Note: Documentation of Patient Reason for ACE Inhibitor or ARB Decline can be completed using any of the templates indicated in this section of the document. It is not necessary to document this criterion in all of the specified templates to meet the intent of this measure.

1. From the ***Intake** template, select **Exceptions/Measures** from the left navigation pane. The **Exceptions/Measures** template opens.



- ## See Also

- List of Values for Denominator Exceptions

You can document medication intolerance to ACE inhibitor or ARB using Medication Allergies module.

1. In the Allergy module, search for an ACE inhibitor or ARB medication in the List of ACE Inhibitor or ARB RxNorm under the List of Values for Denominator Exceptions section.

The screenshot shows the 'Medication Allergies' form. A red box highlights the search icon next to the 'Allergy' field, which contains 'lisinopril'. Another red box highlights the 'Intolerance' checkbox, which is checked. A third red box highlights the 'Add' button. A red callout box with the text 'Document medication intolerance to ACE Inhibitor or ARB' has arrows pointing to the search icon, the 'Intolerance' checkbox, and the 'Add' button.

2. Select the **Intolerance** check box.
3. Select **Add**.

See Also

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

Document Medication Allergy to ACE inhibitor or ARB Ingredient

You can document medication allergy to ACE inhibitor or ARB ingredient using the Allergy module.

1. In the Allergy module, search for and add an ACE inhibitor or ARB ingredient medication as listed in the List of ACE inhibitor or ARB Ingredient RxNorm list under the List of Values for Denominator Exceptions section.

Medication Allergies

Date	Description	Onset/Sympt	Resolved	Type	Comment
------	-------------	-------------	----------	------	---------

☒ Include Resolved Allergies
 Allergy: 658 lisinopril
 Location: Main Clinic
 Provider: B. B
 Severity:
☐ Recorded Elsewhere Source:
 Onset/Sym: 00/00/0000 Reaction:
 Resolved: 00/00/0000 Allergy type: Base Ingredient
 Allergy Comments:
 Buttons: Clear, Delete, Add, Update, Interactions, Review, Reconcile

Document medication allergy to ACE Inhibitor or ARB

2. Select **Add**.

See Also

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

List of Values for Denominator Exceptions

ICD

List of Pregnancy ICD-10 Codes					
O09.00	O09.01	O09.02	O09.03	O09.10	O09.11
O09.12	O09.13	O09.211	O09.212	O09.213	O09.219
O09.291	O09.292	O09.293	O09.299	O09.30	O09.31
O09.32	O09.33	O09.40	O09.41	O09.42	O09.43
O09.511	O09.512	O09.513	O09.519	O09.521	O09.522
O09.523	O09.529	O09.611	O09.612	O09.613	O09.619
O09.621	O09.622	O09.623	O09.629	O09.70	O09.71
O09.72	O09.73	O09.811	O09.812	O09.813	O09.819
O09.821	O09.822	O09.823	O09.829	O09.891	O09.892
O09.893	O09.899	O09.90	O09.91	O09.92	O09.93

List of Pregnancy ICD-10 Codes					
O09.A0	O09.A1	O09.A2	O09.A3	O10.011	O10.012
O10.013	O10.019	O10.111	O10.112	O10.113	O10.119
O10.211	O10.212	O10.213	O10.219	O10.311	O10.312
O10.313	O10.319	O10.411	O10.412	O10.413	O10.419
O10.911	O10.912	O10.913	O10.919	O11.1	O11.2
O11.3	O11.9	O12.00	O12.01	O12.02	O12.03
O12.10	O12.11	O12.12	O12.13	O12.20	O12.21
O12.22	O12.23	O13.1	O13.2	O13.3	O13.9
O14.00	O14.02	O14.03	O14.10	O14.12	O14.13
O14.20	O14.22	O14.23	O14.90	O14.92	O14.93
O15.00	O15.02	O15.03	O16.1	O16.2	O16.3
O16.9	O20.0	O20.8	O20.9	O21.0	O21.1
O21.2	O21.8	O21.9	O22.00	O22.01	O22.02
O22.03	O22.10	O22.11	O22.12	O22.13	O22.20
O22.21	O22.22	O22.23	O22.30	O22.31	O22.32
O22.33	O22.40	O22.41	O22.42	O22.43	O22.50
O22.51	O22.52	O22.53	O22.8X1	O22.8X2	O22.8X3
O22.8X9	O22.90	O22.91	O22.92	O22.93	O23.00
O23.01	O23.02	O23.03	O23.10	O23.11	O23.12
O23.13	O23.20	O23.21	O23.22	O23.23	O23.30
O23.31	O23.32	O23.33	O23.40	O23.41	O23.42
O23.43	O23.511	O23.512	O23.513	O23.519	O23.521
O23.522	O23.523	O23.529	O23.591	O23.592	O23.593
O23.599	O23.90	O23.91	O23.92	O23.93	O24.011
O24.012	O24.013	O24.019	O24.111	O24.112	O24.113
O24.119	O24.311	O24.312	O24.313	O24.319	O24.410
O24.414	O24.415	O24.419	O24.811	O24.812	O24.813
O24.819	O24.911	O24.912	O24.913	O24.919	O25.10
O25.11	O25.12	O25.13	O26.00	O26.01	O26.02
O26.03	O26.10	O26.11	O26.12	O26.13	O26.20
O26.21	O26.22	O26.23	O26.30	O26.31	O26.32
O26.33	O26.40	O26.41	O26.42	O26.43	O26.50
O26.51	O26.52	O26.53	O26.611	O26.612	O26.613

List of Pregnancy ICD-10 Codes					
O26.619	O26.711	O26.712	O26.713	O26.719	O26.811
O26.812	O26.813	O26.819	O26.821	O26.822	O26.823
O26.829	O26.831	O26.832	O26.833	O26.839	O26.841
O26.842	O26.843	O26.849	O26.851	O26.852	O26.853
O26.859	O26.86	O26.872	O26.873	O26.879	O26.891
O26.892	O26.893	O26.899	O26.90	O26.91	O26.92
O26.93	O28.0	O28.1	O28.2	O28.3	O28.4
O28.5	O28.8	O28.9	O29.011	O29.012	O29.013
O29.019	O29.021	O29.022	O29.023	O29.029	O29.091
O29.092	O29.093	O29.099	O29.111	O29.112	O29.113
O29.119	O29.121	O29.122	O29.123	O29.129	O29.191
O29.192	O29.193	O29.199	O29.211	O29.212	O29.213
O29.219	O29.291	O29.292	O29.293	O29.299	O29.3X1
O29.3X2	O29.3X3	O29.3X9	O29.40	O29.41	O29.42
O29.43	O29.5X1	O29.5X2	O29.5X3	O29.5X9	O29.60
O29.61	O29.62	O29.63	O29.8X1	O29.8X2	O29.8X3
O29.8X9	O29.90	O29.91	O29.92	O29.93	O30.001
O30.002	O30.003	O30.009	O30.011	O30.012	O30.013
O30.019	O30.021	O30.022	O30.023	O30.029	O30.031
O30.032	O30.033	O30.039	O30.041	O30.042	O30.043
O30.049	O30.091	O30.092	O30.093	O30.099	O30.101
O30.102	O30.103	O30.109	O30.111	O30.112	O30.113
O30.119	O30.121	O30.122	O30.123	O30.129	O30.131
O30.132	O30.133	O30.139	O30.191	O30.192	O30.193
O30.199	O30.201	O30.202	O30.203	O30.209	O30.211
O30.212	O30.213	O30.219	O30.221	O30.222	O30.223
O30.229	O30.231	O30.232	O30.233	O30.239	O30.291
O30.292	O30.293	O30.299	O30.801	O30.802	O30.803
O30.809	O30.811	O30.812	O30.813	O30.819	O30.821
O30.822	O30.823	O30.829	O30.831	O30.832	O30.833
O30.839	O30.891	O30.892	O30.893	O30.899	O30.90
O30.91	O30.92	O30.93	O31.00X0	O31.00X1	O31.00X2
O31.00X3	O31.00X4	O31.00X5	O31.00X9	O31.01X0	O31.01X1

List of Pregnancy ICD-10 Codes					
O31.01X2	O31.01X3	O31.01X4	O31.01X5	O31.01X9	O31.02X0
O31.02X1	O31.02X2	O31.02X3	O31.02X4	O31.02X5	O31.02X9
O31.03X0	O31.03X1	O31.03X2	O31.03X3	O31.03X4	O31.03X5
O31.03X9	O31.10X0	O31.10X1	O31.10X2	O31.10X3	O31.10X4
O31.10X5	O31.10X9	O31.11X0	O31.11X1	O31.11X2	O31.11X3
O31.11X4	O31.11X5	O31.11X9	O31.12X0	O31.12X1	O31.12X2
O31.12X3	O31.12X4	O31.12X5	O31.12X9	O31.13X0	O31.13X1
O31.13X2	O31.13X3	O31.13X4	O31.13X5	O31.13X9	O31.20X0
O31.20X1	O31.20X2	O31.20X3	O31.20X4	O31.20X5	O31.20X9
O31.21X0	O31.21X1	O31.21X2	O31.21X3	O31.21X4	O31.21X5
O31.21X9	O31.22X0	O31.22X1	O31.22X2	O31.22X3	O31.22X4
O31.22X5	O31.22X9	O31.23X0	O31.23X1	O31.23X2	O31.23X3
O31.23X4	O31.23X5	O31.23X9	O31.30X0	O31.30X1	O31.30X2
O31.30X3	O31.30X4	O31.30X5	O31.30X9	O31.31X0	O31.31X1
O31.31X2	O31.31X3	O31.31X4	O31.31X5	O31.31X9	O31.32X0
O31.32X1	O31.32X2	O31.32X3	O31.32X4	O31.32X5	O31.32X9
O31.33X0	O31.33X1	O31.33X2	O31.33X3	O31.33X4	O31.33X5
O31.33X9	O31.8X10	O31.8X11	O31.8X12	O31.8X13	O31.8X14
O31.8X15	O31.8X19	O31.8X20	O31.8X21	O31.8X22	O31.8X23
O31.8X24	O31.8X25	O31.8X29	O31.8X30	O31.8X31	O31.8X32
O31.8X33	O31.8X34	O31.8X35	O31.8X39	O31.8X90	O31.8X91
O31.8X92	O31.8X93	O31.8X94	O31.8X95	O31.8X99	O32.0XX0
O32.0XX1	O32.0XX2	O32.0XX3	O32.0XX4	O32.0XX5	O32.0XX9
O32.1XX0	O32.1XX1	O32.1XX2	O32.1XX3	O32.1XX4	O32.1XX5
O32.1XX9	O32.2XX0	O32.2XX1	O32.2XX2	O32.2XX3	O32.2XX4
O32.2XX5	O32.2XX9	O32.3XX0	O32.3XX1	O32.3XX2	O32.3XX3
O32.3XX4	O32.3XX5	O32.3XX9	O32.4XX0	O32.4XX1	O32.4XX2
O32.4XX3	O32.4XX4	O32.4XX5	O32.4XX9	O32.6XX0	O32.6XX1
O32.6XX2	O32.6XX3	O32.6XX4	O32.6XX5	O32.6XX9	O32.8XX0
O32.8XX1	O32.8XX2	O32.8XX3	O32.8XX4	O32.8XX5	O32.8XX9
O32.9XX0	O32.9XX1	O32.9XX2	O32.9XX3	O32.9XX4	O32.9XX5
O32.9XX9	O33.0	O33.1	O33.2	O33.3XX0	O33.3XX1
O33.3XX2	O33.3XX3	O33.3XX4	O33.3XX5	O33.3XX9	O33.4XX0

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O33.4XX1	O33.4XX2	O33.4XX3	O33.4XX4	O33.4XX5	O33.4XX9
O33.5XX0	O33.5XX1	O33.5XX2	O33.5XX3	O33.5XX4	O33.5XX5
O33.5XX9	O33.6XX0	O33.6XX1	O33.6XX2	O33.6XX3	O33.6XX4
O33.6XX5	O33.6XX9	O33.7XX0	O33.7XX1	O33.7XX2	O33.7XX3
O33.7XX4	O33.7XX5	O33.7XX9	O33.8	O33.9	O34.00
O34.01	O34.02	O34.03	O34.10	O34.11	O34.12
O34.13	O34.211	O34.212	O34.219	O34.29	O34.30
O34.31	O34.32	O34.33	O34.40	O34.41	O34.42
O34.43	O34.511	O34.512	O34.513	O34.519	O34.521
O34.522	O34.523	O34.529	O34.531	O34.532	O34.533
O34.539	O34.591	O34.592	O34.593	O34.599	O34.60
O34.61	O34.62	O34.63	O34.70	O34.71	O34.72
O34.73	O34.80	O34.81	O34.82	O34.83	O34.90
O34.91	O34.92	O34.93	O35.00X0	O35.00X1	O35.00X2
O35.00X3	O35.00X4	O35.00X5	O35.00X9	O35.01X0	O35.01X1
O35.01X2	O35.01X3	O35.01X4	O35.01X5	O35.01X9	O35.02X0
O35.02X1	O35.02X2	O35.02X3	O35.02X4	O35.02X5	O35.02X9
O35.03X0	O35.03X1	O35.03X2	O35.03X3	O35.03X4	O35.03X5
O35.03X9	O35.04X0	O35.04X1	O35.04X2	O35.04X3	O35.04X4
O35.04X5	O35.04X9	O35.05X0	O35.05X1	O35.05X2	O35.05X3
O35.05X4	O35.05X5	O35.05X9	O35.06X0	O35.06X1	O35.06X2
O35.06X3	O35.06X4	O35.06X5	O35.06X9	O35.07X0	O35.07X1
O35.07X2	O35.07X3	O35.07X4	O35.07X5	O35.07X9	O35.08X0
O35.08X1	O35.08X2	O35.08X3	O35.08X4	O35.08X5	O35.08X9
O35.09X0	O35.09X1	O35.09X2	O35.09X3	O35.09X4	O35.09X5
O35.09X9	O35.10X0	O35.10X1	O35.10X2	O35.10X3	O35.10X4
O35.10X5	O35.10X9	O35.11X0	O35.11X1	O35.11X2	O35.11X3
O35.11X4	O35.11X5	O35.11X9	O35.12X0	O35.12X1	O35.12X2
O35.12X3	O35.12X4	O35.12X5	O35.12X9	O35.12X0	O35.12X1
O35.12X2	O35.12X3	O35.12X4	O35.12X5	O35.12X9	O35.13X0
O35.13X1	O35.13X2	O35.13X3	O35.13X4	O35.13X5	O35.13X9
O35.14X0	O35.14X1	O35.14X2	O35.14X3	O35.14X4	O35.14X5
O35.14X9	O35.15X0	O35.15X1	O35.15X2	O35.15X3	O35.15X4

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O35.15X5	O35.15X9	O35.16X0	O35.16X1	O35.16X2	O35.16X3
O35.16X4	O35.16X5	O35.16X9	O35.17X0	O35.17X1	O35.17X2
O35.17X3	O35.17X4	O35.17X5	O35.17X9	O35.18X0	O35.18X1
O35.18X2	O35.18X3	O35.18X4	O35.18X5	O35.18X9	O35.19X0
O35.19X1	O35.19X2	O35.19X3	O35.19X4	O35.19X5	O35.19X9
O35.2XX1	O35.2XX2	O35.2XX3	O35.2XX4	O35.2XX5	O35.2XX9
O35.3XX0	O35.3XX1	O35.3XX2	O35.3XX3	O35.3XX4	O35.3XX5
O35.3XX9	O35.4XX0	O35.4XX1	O35.4XX2	O35.4XX3	O35.4XX4
O35.4XX5	O35.4XX9	O35.5XX0	O35.5XX1	O35.5XX2	O35.5XX3
O35.5XX4	O35.5XX5	O35.5XX9	O35.6XX0	O35.6XX1	O35.6XX2
O35.6XX3	O35.6XX4	O35.6XX5	O35.6XX9	O35.7XX0	O35.7XX1
O35.7XX2	O35.7XX3	O35.7XX4	O35.7XX5	O35.7XX9	O35.8XX0
O35.8XX1	O35.8XX2	O35.8XX3	O35.8XX4	O35.8XX5	O35.8XX9
O35.9XX0	O35.9XX1	O35.9XX2	O35.9XX3	O35.9XX4	O35.9XX5
O35.9XX9	O36.0110	O36.0111	O36.0112	O36.0113	O36.0114
O36.0115	O36.0119	O36.0120	O36.0121	O36.0122	O36.0123
O36.0124	O36.0125	O36.0129	O36.0130	O36.0131	O36.0132
O36.0133	O36.0134	O36.0135	O36.0139	O36.0190	O36.0191
O36.0192	O36.0193	O36.0194	O36.0195	O36.0199	O36.0910
O36.0911	O36.0912	O36.0913	O36.0914	O36.0915	O36.0919
O36.0920	O36.0921	O36.0922	O36.0923	O36.0924	O36.0925
O36.0929	O36.0930	O36.0931	O36.0932	O36.0933	O36.0934
O36.0935	O36.0939	O36.0990	O36.0991	O36.0992	O36.0993
O36.0994	O36.0995	O36.0999	O36.1110	O36.1111	O36.1112
O36.1113	O36.1114	O36.1115	O36.1119	O36.1120	O36.1121
O36.1122	O36.1123	O36.1124	O36.1125	O36.1129	O36.1130
O36.1131	O36.1132	O36.1133	O36.1134	O36.1135	O36.1139
O36.1190	O36.1191	O36.1192	O36.1193	O36.1194	O36.1195
O36.1199	O36.1910	O36.1911	O36.1912	O36.1913	O36.1914
O36.1915	O36.1919	O36.1920	O36.1921	O36.1922	O36.1923
O36.1924	O36.1925	O36.1929	O36.1930	O36.1931	O36.1932
O36.1933	O36.1934	O36.1935	O36.1939	O36.1990	O36.1991
O36.1992	O36.1993	O36.1994	O36.1995	O36.1999	O36.20X0

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O36.20X1	O36.20X2	O36.20X3	O36.20X4	O36.20X5	O36.20X9
O36.21X0	O36.21X1	O36.21X2	O36.21X3	O36.21X4	O36.21X5
O36.21X9	O36.22X0	O36.22X1	O36.22X2	O36.22X3	O36.22X4
O36.22X5	O36.22X9	O36.23X0	O36.23X1	O36.23X2	O36.23X3
O36.23X4	O36.23X5	O36.23X9	O36.4XX0	O36.4XX1	O36.4XX2
O36.4XX3	O36.4XX4	O36.4XX5	O36.4XX9	O36.5110	O36.5111
O36.5112	O36.5113	O36.5114	O36.5115	O36.5119	O36.5120
O36.5121	O36.5122	O36.5123	O36.5124	O36.5125	O36.5129
O36.5130	O36.5131	O36.5132	O36.5133	O36.5134	O36.5135
O36.5139	O36.5190	O36.5191	O36.5192	O36.5193	O36.5194
O36.5195	O36.5199	O36.5910	O36.5911	O36.5912	O36.5913
O36.5914	O36.5915	O36.5919	O36.5920	O36.5921	O36.5922
O36.5923	O36.5924	O36.5925	O36.5929	O36.5930	O36.5931
O36.5932	O36.5933	O36.5934	O36.5935	O36.5939	O36.5990
O36.5991	O36.5992	O36.5993	O36.5994	O36.5995	O36.5999
O36.60X0	O36.60X1	O36.60X2	O36.60X3	O36.60X4	O36.60X5
O36.60X9	O36.61X0	O36.61X1	O36.61X2	O36.61X3	O36.61X4
O36.61X5	O36.61X9	O36.62X0	O36.62X1	O36.62X2	O36.62X3
O36.62X4	O36.62X5	O36.62X9	O36.63X0	O36.63X1	O36.63X2
O36.63X3	O36.63X4	O36.63X5	O36.63X9	O36.70X0	O36.70X1
O36.70X2	O36.70X3	O36.70X4	O36.70X5	O36.70X9	O36.71X0
O36.71X1	O36.71X2	O36.71X3	O36.71X4	O36.71X5	O36.71X9
O36.72X0	O36.72X1	O36.72X2	O36.72X3	O36.72X4	O36.72X5
O36.72X9	O36.73X0	O36.73X1	O36.73X2	O36.73X3	O36.73X4
O36.73X5	O36.73X9	O36.8120	O36.8121	O36.8122	O36.8123
O36.8124	O36.8125	O36.8129	O36.8130	O36.8131	O36.8132
O36.8133	O36.8134	O36.8135	O36.8139	O36.8190	O36.8191
O36.8192	O36.8193	O36.8194	O36.8195	O36.8199	O36.8210
O36.8211	O36.8212	O36.8213	O36.8214	O36.8215	O36.8219
O36.8220	O36.8221	O36.8222	O36.8223	O36.8224	O36.8225
O36.8229	O36.8230	O36.8231	O36.8232	O36.8233	O36.8234
O36.8235	O36.8239	O36.8290	O36.8291	O36.8292	O36.8293
O36.8294	O36.8295	O36.8299	O36.8310	O36.8311	O36.8312

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O36.8313	O36.8314	O36.8315	O36.8319	O36.8320	O36.8321
O36.8322	O36.8323	O36.8324	O36.8325	O36.8329	O36.8330
O36.8331	O36.8332	O36.8333	O36.8334	O36.8335	O36.8339
O36.8390	O36.8391	O36.8392	O36.8393	O36.8394	O36.8395
O36.8399	O36.8910	O36.8911	O36.8912	O36.8913	O36.8914
O36.8915	O36.8919	O36.8920	O36.8921	O36.8922	O36.8923
O36.8924	O36.8925	O36.8929	O36.8930	O36.8931	O36.8932
O36.8933	O36.8934	O36.8935	O36.8939	O36.8990	O36.8991
O36.8992	O36.8993	O36.8994	O36.8995	O36.8999	O36.90X0
O36.90X1	O36.90X2	O36.90X3	O36.90X4	O36.90X5	O36.90X9
O36.91X0	O36.91X1	O36.91X2	O36.91X3	O36.91X4	O36.91X5
O36.91X9	O36.92X0	O36.92X1	O36.92X2	O36.92X3	O36.92X4
O36.92X5	O36.92X9	O36.93X0	O36.93X1	O36.93X2	O36.93X3
O36.93X4	O36.93X5	O36.93X9	O40.1XX0	O40.1XX1	O40.1XX2
O40.1XX3	O40.1XX4	O40.1XX5	O40.1XX9	O40.2XX0	O40.2XX1
O40.2XX2	O40.2XX3	O40.2XX4	O40.2XX5	O40.2XX9	O40.3XX0
O40.3XX1	O40.3XX2	O40.3XX3	O40.3XX4	O40.3XX5	O40.3XX9
O40.9XX0	O40.9XX1	O40.9XX2	O40.9XX3	O40.9XX4	O40.9XX5
O40.9XX9	O41.00X0	O41.00X1	O41.00X2	O41.00X3	O41.00X4
O41.00X5	O41.00X9	O41.01X0	O41.01X1	O41.01X2	O41.01X3
O41.01X4	O41.01X5	O41.01X9	O41.02X0	O41.02X1	O41.02X2
O41.02X3	O41.02X4	O41.02X5	O41.02X9	O41.03X0	O41.03X1
O41.03X2	O41.03X3	O41.03X4	O41.03X5	O41.03X9	O41.1010
O41.1011	O41.1012	O41.1013	O41.1014	O41.1015	O41.1019
O41.1020	O41.1021	O41.1022	O41.1023	O41.1024	O41.1025
O41.1029	O41.1030	O41.1031	O41.1032	O41.1033	O41.1034
O41.1035	O41.1039	O41.1090	O41.1091	O41.1092	O41.1093
O41.1094	O41.1095	O41.1099	O41.1210	O41.1211	O41.1212
O41.1213	O41.1214	O41.1215	O41.1219	O41.1220	O41.1221
O41.1222	O41.1223	O41.1224	O41.1225	O41.1229	O41.1230
O41.1231	O41.1232	O41.1233	O41.1234	O41.1235	O41.1239
O41.1290	O41.1291	O41.1292	O41.1293	O41.1294	O41.1295
O41.1299	O41.1410	O41.1411	O41.1412	O41.1413	O41.1414

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O41.1415	O41.1419	O41.1420	O41.1421	O41.1422	O41.1423
O41.1424	O41.1425	O41.1429	O41.1430	O41.1431	O41.1432
O41.1433	O41.1434	O41.1435	O41.1439	O41.1490	O41.1491
O41.1492	O41.1493	O41.1494	O41.1495	O41.1499	O41.8X10
O41.8X11	O41.8X12	O41.8X13	O41.8X14	O41.8X15	O41.8X19
O41.8X20	O41.8X21	O41.8X22	O41.8X23	O41.8X24	O41.8X25
O41.8X29	O41.8X30	O41.8X31	O41.8X32	O41.8X33	O41.8X34
O41.8X35	O41.8X39	O41.8X90	O41.8X91	O41.8X92	O41.8X93
O41.8X94	O41.8X95	O41.8X99	O41.90X0	O41.90X1	O41.90X2
O41.90X3	O41.90X4	O41.90X5	O41.90X9	O41.91X0	O41.91X1
O41.91X2	O41.91X3	O41.91X4	O41.91X5	O41.91X9	O41.92X0
O41.92X1	O41.92X2	O41.92X3	O41.92X4	O41.92X5	O41.92X9
O41.93X0	O41.93X1	O41.93X2	O41.93X3	O41.93X4	O41.93X5
O41.93X9	O42.00	O42.011	O42.012	O42.013	O42.019
O42.02	O42.10	O42.111	O42.112	O42.113	O42.119
O42.12	O42.90	O42.911	O42.912	O42.913	O42.919
O42.92	O43.011	O43.012	O43.013	O43.019	O43.021
O43.022	O43.023	O43.029	O43.101	O43.102	O43.103
O43.109	O43.111	O43.112	O43.113	O43.119	O43.121
O43.122	O43.123	O43.129	O43.191	O43.192	O43.193
O43.199	O43.211	O43.212	O43.213	O43.219	O43.221
O43.222	O43.223	O43.229	O43.231	O43.232	O43.233
O43.239	O43.811	O43.812	O43.813	O43.819	O43.891
O43.892	O43.893	O43.899	O43.90	O43.91	O43.92
O43.93	O44.00	O44.01	O44.02	O44.03	O44.10
O44.11	O44.12	O44.13	O44.20	O44.21	O44.22
O44.23	O44.30	O44.31	O44.32	O44.33	O44.40
O44.41	O44.42	O44.43	O44.50	O44.51	O44.52
O44.53	O45.001	O45.002	O45.003	O45.009	O45.011
O45.012	O45.013	O45.019	O45.021	O45.022	O45.023
O45.029	O45.091	O45.092	O45.093	O45.099	O45.8X1
O45.8X2	O45.8X3	O45.8X9	O45.90	O45.91	O45.92
O45.93	O46.001	O46.002	O46.003	O46.009	O46.011

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O46.012	O46.013	O46.019	O46.021	O46.022	O46.023
O46.029	O46.091	O46.092	O46.093	O46.099	O46.8X1
O46.8X2	O46.8X3	O46.8X9	O46.90	O46.91	O46.92
O46.93	O47.00	O47.02	O47.03	O47.1	O47.9
O48.0	O48.1	O60.00	O60.02	O60.03	O71.00
O71.02	O71.03	O88.011	O88.012	O88.013	O88.019
O88.111	O88.112	O88.113	O88.119	O88.211	O88.212
O88.213	O88.219	O88.311	O88.312	O88.313	O88.319
O88.811	O88.812	O88.813	O88.819	O90.3	O91.011
O91.012	O91.013	O91.019	O91.111	O91.112	O91.113
O91.119	O91.211	O91.212	O91.213	O91.219	O92.011
O92.012	O92.013	O92.019	O92.111	O92.112	O92.113
O92.119	O92.20	O92.29	O98.011	O98.012	O98.013
O98.019	O98.111	O98.112	O98.113	O98.119	O98.211
O98.212	O98.213	O98.219	O98.311	O98.312	O98.313
O98.319	O98.411	O98.412	O98.413	O98.419	O98.511
O98.512	O98.513	O98.519	O98.611	O98.612	O98.613
O98.619	O98.711	O98.712	O98.713	O98.719	O98.811
O98.812	O98.813	O98.819	O98.911	O98.912	O98.913
O98.919	O99.011	O99.012	O99.013	O99.019	O99.111
O99.112	O99.113	O99.119	O99.210	O99.211	O99.212
O99.213	O99.280	O99.281	O99.282	O99.283	O99.310
O99.311	O99.312	O99.313	O99.320	O99.321	O99.322
O99.323	O99.330	O99.331	O99.332	O99.333	O99.340
O99.341	O99.342	O99.343	O99.350	O99.351	O99.352
O99.353	O99.411	O99.412	O99.413	O99.419	O99.511
O99.512	O99.513	O99.519	O99.611	O99.612	O99.613
O99.619	O99.711	O99.712	O99.713	O99.719	O99.810
O99.820	O99.830	O99.840	O99.841	O99.842	O99.843
O9A.111	O9A.112	O9A.113	O9A.119	O9A.211	O9A.212
O9A.213	O9A.219	O9A.311	O9A.312	O9A.313	O9A.319
O9A.411	O9A.412	O9A.413	O9A.419	O9A.511	O9A.512
O9A.513	O9A.519	Z33.1	Z33.3	Z34.00	Z34.01

List of Pregnancy ICD-10 Codes					
Z34.02	Z34.03	Z34.80	Z34.81	Z34.82	Z34.83
Z34.90	Z34.91	Z34.92	Z34.93	Z3A.01	Z3A.08
Z3A.09	Z3A.10	Z3A.11	Z3A.12	Z3A.13	Z3A.14
Z3A.15	Z3A.16	Z3A.17	Z3A.18	Z3A.19	Z3A.20
Z3A.21	Z3A.22	Z3A.23	Z3A.24	Z3A.25	Z3A.26
Z3A.27	Z3A.28	Z3A.29	Z3A.30	Z3A.31	Z3A.32
Z3A.33	Z3A.34	Z3A.35	Z3A.36	Z3A.37	Z3A.38
Z3A.39	Z3A.40	Z3A.41	Z3A.42	Z3A.49	O35.2XX0
O26.641	O26.642	O26.643	O26.649	Z32.01	

RxNorm

List of ACE Inhibitor or ARB RxNorm Codes	
Description	Code
Amlodipine 5 MG / Hydrochlorothiazide 25 MG / Olmesartan medoxomil 40 MG Oral Tablet	1000001
azilsartan	1091643
azilsartan medoxomil 40 MG Oral Tablet	1091646
azilsartan medoxomil 80 MG Oral Tablet	1091652
azilsartan medoxomil 40 MG / Chlorthalidone 12.5 MG Oral Tablet	1235144
azilsartan medoxomil 40 MG / Chlorthalidone 25 MG Oral Tablet	1235151
Hydrochlorothiazide 12.5 MG / Moexipril hydrochloride 15 MG Oral Tablet	1299859
Hydrochlorothiazide 12.5 MG / Moexipril hydrochloride 7.5 MG Oral Tablet	1299871
Hydrochlorothiazide 25 MG / Moexipril hydrochloride 15 MG Oral Tablet	1299890
Moexipril hydrochloride 15 MG Oral Tablet	1299896
Moexipril hydrochloride 7.5 MG Oral Tablet	1299897
Enalapril Maleate 1 MG/ML Oral Solution	1435624
candesartan cilexetil 4 MG Oral Tablet	153822
candesartan cilexetil 8 MG Oral Tablet	153823
Amlodipine 10 MG / Perindopril arginine 14 MG Oral Tablet	1600716
Amlodipine 2.5 MG / Perindopril arginine 3.5 MG Oral Tablet	1600724
Amlodipine 5 MG / Perindopril arginine 7 MG Oral Tablet	1600728
sacubitril	1656328

List of ACE Inhibitor or ARB RxNorm Codes	
Description	Code
sacubitril 24 MG / valsartan 26 MG Oral Tablet	1656340
sacubitril 49 MG / valsartan 51 MG Oral Tablet	1656349
sacubitril 97 MG / valsartan 103 MG Oral Tablet	1656354
Captopril 25 MG / Hydrochlorothiazide 15 MG Oral Tablet	197436
Captopril 25 MG / Hydrochlorothiazide 25 MG Oral Tablet	197437
Captopril 50 MG / Hydrochlorothiazide 15 MG Oral Tablet	197438
Captopril 50 MG / Hydrochlorothiazide 25 MG Oral Tablet	197439
Lisinopril 40 MG Oral Tablet	197884
Hydrochlorothiazide 12.5 MG / Lisinopril 10 MG Oral Tablet	197885
Hydrochlorothiazide 12.5 MG / Lisinopril 20 MG Oral Tablet	197886
Hydrochlorothiazide 25 MG / Lisinopril 20 MG Oral Tablet	197887
Ramipril 2.5 MG Oral Capsule	198188
Ramipril 5 MG Oral Capsule	198189
trandolapril 2 MG Oral Tablet	199351
trandolapril 4 MG Oral Tablet	199352
trandolapril 1 MG Oral Tablet	199353
irbesartan 75 MG Oral Tablet	200094
irbesartan 150 MG Oral Tablet	200095
irbesartan 300 MG Oral Tablet	200096
Hydrochlorothiazide 12.5 MG / valsartan 80 MG Oral Tablet	200284
Hydrochlorothiazide 12.5 MG / valsartan 160 MG Oral Tablet	200285
telmisartan 40 MG Oral Tablet	205304
telmisartan 80 MG Oral Tablet	205305
Lisinopril 30 MG Oral Tablet	205326
Cilazapril 5 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	249851
Ramipril 10 MG Oral Capsule	261962
telmisartan 20 MG Oral Tablet	282755
Hydrochlorothiazide 12.5 MG / telmisartan 40 MG Oral Tablet	283316
Hydrochlorothiazide 12.5 MG / telmisartan 80 MG Oral Tablet	283317
Captopril 100 MG Oral Tablet	308962
Captopril 12.5 MG Oral Tablet	308963

List of ACE Inhibitor or ARB RxNorm Codes	
Description	Code
Captopril 50 MG Oral Tablet	308964
eprosartan 600 MG Oral Tablet	310140
Hydrochlorothiazide 12.5 MG / irbesartan 150 MG Oral Tablet	310792
Hydrochlorothiazide 12.5 MG / irbesartan 300 MG Oral Tablet	310793
Hydrochlorothiazide 12.5 MG / quinapril 10 MG Oral Tablet	310796
Hydrochlorothiazide 12.5 MG / quinapril 20 MG Oral Tablet	310797
Hydrochlorothiazide 25 MG / quinapril 20 MG Oral Tablet	310809
Lisinopril 2.5 MG Oral Tablet	311353
Lisinopril 5 MG Oral Tablet	311354
quinapril 10 MG Oral Tablet	312748
quinapril 20 MG Oral Tablet	312749
quinapril 5 MG Oral Tablet	312750
Lisinopril 10 MG Oral Tablet	314076
Lisinopril 20 MG Oral Tablet	314077
quinapril 40 MG Oral Tablet	314203
Captopril 25 MG Oral Tablet	317173
valsartan 80 MG Oral Tablet	349199
valsartan 320 MG Oral Tablet	349200
valsartan 160 MG Oral Tablet	349201
Hydrochlorothiazide 25 MG / valsartan 160 MG Oral Tablet	349353
Olmesartan medoxomil 5 MG Oral Tablet	349373
Olmesartan medoxomil 20 MG Oral Tablet	349401
Olmesartan medoxomil 40 MG Oral Tablet	349405
valsartan 40 MG Oral Tablet	349483
eprosartan 600 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	351292
eprosartan 600 MG / Hydrochlorothiazide 25 MG Oral Tablet	351293
Hydrochlorothiazide 12.5 MG / Olmesartan medoxomil 20 MG Oral Tablet	403853
Hydrochlorothiazide 12.5 MG / Olmesartan medoxomil 40 MG Oral Tablet	403854
Hydrochlorothiazide 25 MG / Olmesartan medoxomil 40 MG Oral Tablet	403855
Hydrochlorothiazide 25 MG / telmisartan 80 MG Oral Tablet	477130
Hydrochlorothiazide 25 MG / irbesartan 300 MG Oral Tablet	485471

List of ACE Inhibitor or ARB RxNorm Codes	
Description	Code
candesartan cilexetil 16 MG Oral Tablet	577776
candesartan cilexetil 16 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	578325
candesartan cilexetil 32 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	578330
Hydrochlorothiazide 12.5 MG / valsartan 320 MG Oral Tablet	636042
Hydrochlorothiazide 25 MG / valsartan 320 MG Oral Tablet	636045
candesartan cilexetil 32 MG Oral Tablet	639537
Amlodipine 10 MG / valsartan 160 MG Oral Tablet	722126
Amlodipine 10 MG / valsartan 320 MG Oral Tablet	722131
Amlodipine 5 MG / valsartan 160 MG Oral Tablet	722134
Amlodipine 5 MG / valsartan 320 MG Oral Tablet	722137
Amlodipine 10 MG / Olmesartan medoxomil 20 MG Oral Tablet	730861
Amlodipine 10 MG / Olmesartan medoxomil 40 MG Oral Tablet	730866
Amlodipine 5 MG / Olmesartan medoxomil 20 MG Oral Tablet	730869
Amlodipine 5 MG / Olmesartan medoxomil 40 MG Oral Tablet	730872
candesartan cilexetil 32 MG / Hydrochlorothiazide 25 MG Oral Tablet	802749
Ramipril 1.25 MG Oral Capsule	845488
Amlodipine 10 MG / Hydrochlorothiazide 12.5 MG / valsartan 160 MG Oral Tablet	848131
Amlodipine 10 MG / Hydrochlorothiazide 25 MG / valsartan 320 MG Oral Tablet	848135
Amlodipine 5 MG / Hydrochlorothiazide 12.5 MG / valsartan 160 MG Oral Tablet	848140
Amlodipine 5 MG / Hydrochlorothiazide 25 MG / valsartan 160 MG Oral Tablet	848145
Amlodipine 10 MG / Hydrochlorothiazide 25 MG / valsartan 160 MG Oral Tablet	848151
Perindopril Erbumine 8 MG Oral Tablet	854925
Perindopril Erbumine 2 MG Oral Tablet	854984
Perindopril Erbumine 4 MG Oral Tablet	854988
Fosinopril Sodium 10 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	857166
Fosinopril Sodium 10 MG Oral Tablet	857169
Fosinopril Sodium 20 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	857174
Fosinopril Sodium 20 MG Oral Tablet	857183
Fosinopril Sodium 40 MG Oral Tablet	857187
Enalapril Maleate 2.5 MG Oral Tablet	858804
Enalapril Maleate 20 MG Oral Tablet	858810

List of ACE Inhibitor or ARB RxNorm Codes	
Description	Code
Enalapril Maleate 5 MG Oral Tablet	858813
Enalapril Maleate 10 MG Oral Tablet	858817
Enalapril Maleate 5 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	858824
Enalapril Maleate 10 MG / Hydrochlorothiazide 25 MG Oral Tablet	858828
Amlodipine 10 MG / telmisartan 40 MG Oral Tablet	876514
Amlodipine 10 MG / telmisartan 80 MG Oral Tablet	876519
Amlodipine 5 MG / telmisartan 40 MG Oral Tablet	876524
Amlodipine 5 MG / telmisartan 80 MG Oral Tablet	876529
24 HR trandolapril 1 MG / Verapamil hydrochloride 240 MG Extended Release Oral Tablet	897781
24 HR trandolapril 2 MG / Verapamil hydrochloride 180 MG Extended Release Oral Tablet	897783
24 HR trandolapril 2 MG / Verapamil hydrochloride 240 MG Extended Release Oral Tablet	897844
24 HR trandolapril 4 MG / Verapamil hydrochloride 240 MG Extended Release Oral Tablet	897853
Amlodipine 10 MG / Benazepril hydrochloride 20 MG Oral Capsule	898342
Amlodipine 10 MG / Benazepril hydrochloride 40 MG Oral Capsule	898346
Amlodipine 2.5 MG / Benazepril hydrochloride 10 MG Oral Capsule	898350
Amlodipine 5 MG / Benazepril hydrochloride 10 MG Oral Capsule	898353
Amlodipine 5 MG / Benazepril hydrochloride 20 MG Oral Capsule	898356
Amlodipine 5 MG / Benazepril hydrochloride 40 MG Oral Capsule	898359
Benazepril hydrochloride 10 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	898362
Benazepril hydrochloride 20 MG / Hydrochlorothiazide 12.5 MG Oral Tablet	898367
Benazepril hydrochloride 20 MG / Hydrochlorothiazide 25 MG Oral Tablet	898372
Benazepril hydrochloride 5 MG / Hydrochlorothiazide 6.25 MG Oral Tablet	898378
Benazepril hydrochloride 10 MG Oral Tablet	898687
Benazepril hydrochloride 20 MG Oral Tablet	898690
Benazepril hydrochloride 40 MG Oral Tablet	898719
Benazepril hydrochloride 5 MG Oral Tablet	898723
Hydrochlorothiazide 12.5 MG / Losartan Potassium 100 MG Oral Tablet	979464
Hydrochlorothiazide 12.5 MG / Losartan Potassium 50 MG Oral Tablet	979468
Hydrochlorothiazide 25 MG / Losartan Potassium 100 MG Oral Tablet	979471

List of ACE Inhibitor or ARB RxNorm Codes	
Description	Code
Losartan Potassium 100 MG Oral Tablet	979480
Losartan Potassium 25 MG Oral Tablet	979485
Losartan Potassium 50 MG Oral Tablet	979492
Amlodipine 5 MG / Hydrochlorothiazide 12.5 MG / Olmesartan medoxomil 20 MG Oral Tablet	999967
Amlodipine 10 MG / Hydrochlorothiazide 12.5 MG / Olmesartan medoxomil 40 MG Oral Tablet	999986
Amlodipine 10 MG / Hydrochlorothiazide 25 MG / Olmesartan medoxomil 40 MG Oral Tablet	999991
Amlodipine 5 MG / Hydrochlorothiazide 12.5 MG / Olmesartan medoxomil 40 MG Oral Tablet	999996

List of ACE Inhibitor or ARB Ingredient RxNorm Codes	
Description	Code
benazepril	18867
Captopril	1998
candesartan	214354
Lisinopril	29046
moexipril	30131
olmesartan	321064
quinapril	35208
Ramipril	35296
Enalapril	3827
trandolapril	38454
Fosinopril	50166
Losartan	52175
Perindopril	54552
valsartan	69749
telmisartan	73494
eprosartan	83515
irbesartan	83818

SNOMED

List of Allergy to ACE Inhibitor or ARB SNOMED Codes				
609534005	609537003	609538008	609539000	609540003
609541004	609542006	609543001	609544007	609545008
609546009	609549002	609550002	18321000122100	18361000122109

List of Intolerance to ACE Inhibitor or ARB SNOMED Codes				
293500009	293501008	293502001	293503006	293504000
293505004	293506003	293507007	293508002	293509005
293513003	371627004	407564000	407565004	407590002
422593004	720672008	720673003	720674009	720675005
720676006	720677002	720678007		

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 caused by 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
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 Patient Reason for ACE Inhibitor or ARB Decline SNOMED Codes

134397009	401084003
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List of Pregnancy SNOMED Codes

10231000132102	102872000	102875003	11082009
127364007	134781000119106	14080002	14418008
16356006	169561007	169562000	169563005
169564004	169565003	169566002	169567006
169568001	199306007	22281000119101	237233002
237238006	237239003	237240001	237241002
237244005	248985009	276367008	281307002
314204000	35381000119101	36801000119105	38720006
41587001	41991004	429187001	43990006
442478007	444661007	45307008	457811000124103
457821000124106	459167000	459169002	459170001
47200007	472321009	57630001	58532003
59466002	60810003	64254006	65147003
65727000	713575004	713576003	72892002
77386006	80997009	83074005	87527008
90968009	9279009	169560008	567941000005109

List of Renal Failure Due to ACE Inhibitor SNOMED Codes

236429004	422593004
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List of Substance with Angiotensin II Receptor Antagonist Mechanism of Action (substance) SNOMED Direct Reference Code

372913009

List of Substance with Angiotensin-Converting Enzyme Inhibitor Mechanism of Action (substance) SNOMED Direct Reference Code

372733002

**List of Substance with Neprilysin Inhibitor Mechanism of Action (substance) SNOMED
Direct Reference Code**

786886009

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	Age in Years/Month
AND		
At least TWO Qualifying Encounters during the measurement period:		
Office Visit	Procedures module, SNOMED Visit Type template	List of Values
OR		
Outpatient Consultation		
OR		
Nursing Facility Visit		
OR		
Care Services in Long Term Residential Facility		
OR		
Home Healthcare Services		
OR		
Patient Provider Interaction		
AND		
Heart Failure Outpatient Encounter on or before at least one qualifying encounter:		
Diagnosis of *Heart Failure documented prior to or during the qualifying encounter:	Diagnosis module, Problems module	List of Values
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 template	
*Diagnosis of Heart Failure must be active during the qualifying Heart Failure outpatient encounter		

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 < = 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 template, MPI Result Wizard template, Cath Result Wizard template, Echo GS, Echocardiogram, Stress Nuclear, Stress Test-Card, and Orders module	List of Values
OR		
ACTIVE Diagnosis of History 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
OR		
Diagnosis of Left Ventricular Systolic Dysfunction where severity Moderate or Severe documented prior to or during Heart Failure Outpatient Encounter	Problems module	List of Values

See Also

- [List of Values for Denominator](#)

Denominator Exclusions: Analysis of Specification

NextGen Healthcare Analysis	Mapping	Values
Patient with a history of heart transplant documented prior to the end of the Moderate Or Severe LVSD HF qualified outpatient encounter.	CARD CH CHF CM template and Diagnosis module	List of Values
OR		
Patient with a Left Ventricular Assist Device (LVAD) prior to the end of the Moderate Or Severe LVSD HF qualified outpatient encounter	VAD Test Result Wiz template	List of Values

See Also

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

Numerator: Analysis of Specification

NextGen Healthcare Analysis	Mapping	Values
ACEI or ARB or ARNI medication prescribed <i>DURING</i> Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD during the measurement period	Medications module	List of Values
OR		
ACTIVE ACEI or ARB or ARNI medication starts <i>prior to</i> or <i>during</i> Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD during the measurement period	Medications module	List of Values

See Also

- [List of Values for Numerator](#)

Denominator Exceptions: Analysis of Specification

NextGen Healthcare Analysis	Mapping	Values
Documentation of Medical or Patient Reasons for not prescribing Medication ACEI or ARB or ARNI DURING Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD OR Documentation of Patient Reason for ACE Inhibitor or ARB Decline DURING Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD	Exceptions/ Measures template	List of Values
OR		
Medication Allergy or Intolerance to ACEI or ARB or ARNI Ingredient documented <i>prior to</i> or <i>during</i> Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD	Allergy module	List of Values
OR		
Medication Allergy or Intolerance to Substance with Angiotensin-Converting Enzyme Inhibitor mechanism of action (substance) documented prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD	Allergy module	List of Values
OR		
Medication Allergy or Intolerance to Substance with Angiotensin II Receptor Antagonist Mechanism of Action (substance) documented prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD	Allergy module	List of Values
OR		
Medication Allergy or Intolerance to Substance with Neprilysin Mechanism of Action (substance) documented prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD	Allergy module	List of Values
OR		

NextGen Healthcare Analysis	Mapping	Values
*ACTIVE diagnosis of Allergy or Intolerance to ACEI or ARB documented prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD *Diagnosis of Allergy to ACE Inhibitor or ARB must be ACTIVE during qualifying Heart Failure Outpatient Encounter	Problems module	List of Values
OR		
*ACTIVE Pregnancy diagnosis documented 9 months or less before or on start of 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 Pregnancy must be ACTIVE during qualifying Heart Failure Outpatient Encounter	Diagnosis module, Problems module	List of Values
OR		
*ACTIVE Renal Failure Due to ACE Inhibitor diagnosis documented prior to or during Heart Failure Outpatient Encounter with History of Moderate or Severe LVSD *Diagnosis of Renal Failure Due to ACE Inhibitor must be ACTIVE during qualifying Heart Failure Outpatient Encounter	Problems module	List of Values

See Also

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

Special Considerations

Denominator Exceptions criteria for all CQM measures are excluded from the Numerator. 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 unique patients.

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

Assumptions

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

References

NextGen Healthcare provides links for more information about Health Quality Measures.

See Also

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

Configure Screening Tools Logs

1. Open NextGen Enterprise EHR.
2. Select **File > System \ Practice Template**.
The **Select Template** window opens.
3. Select the **Practice** tab, and then select **Data Sets Setup**.
The **Data Sets Setup** template opens.
4. From **Data Set**, select **Screening Tools Log**, and then select **Add**.
The **Screening Tools Log Configuration** template opens.
5. Enter the following information:
 - In **Screening Tool Name**, enter **Hospice Care Assessment**.
 - In **LOINC**, enter 45755-6 and in **Code System**, enter LOINC.
 - In **Code Value**, enter 373066001.

Note: To receive credit for the **Hospice Care Assessment** tool added to the Screening Tools Log Configuration for this measure, the **Hospice Care Assessment** tool must be added and mapped to LOINC code 45755-6 with SNOMED code 373066001.

6. Select **Add**, and then select **OK**.

Screening Tool Name	Template or Web Link	Launch To	Score Field Type	Gender	Start Age	Stop Age	Q Icon Enable Ind
24-Hour Migraine Quality of Life Questionnaire (24-Hr-MQQLQ)			numeric	O			N
Abbreviated Mental Test (AMT)			text	O			N
Clock Drawing Test (CDT)			numeric	O			N
Functional Assessment Screening Tool (FAST)			text	O			N
General Practitioner Assessment of Cognition (GPCOG)			numeric	O			N
Lawton Instrumental Activities of Daily Living (IADL)			numeric	O			N
Migraine Specific Quality of Life (MSQLQ)			numeric	O			N

For detailed information about the white paper instructions, download the *Data-Sets-Setup-Practice Template User Guide* from the <https://www.community.nextgen.com/articles/UserGuides/Data-Sets-Setup-Practice-Template-User-Guide>.

Add SNOMED Visit Codes to Finalize

1. Open NextGen Enterprise EHR.
2. Select **File > System / Practice Template**.
The **Select Template** window opens.
3. Select the **System** tab, and then select **Custom DB Picklists**.
The **Custom DB Picklists** template opens.
4. Select **SNOMED_Visit_Type**, and then select **Configure**.

Dbpicklist Name	Practice Id	Edit	Comments
Smoking Status		N	
SNOMED_Visit_Type		F	Used on Finalize for Quality Reporting
Social Friends		F	
Specialty		A	
specialties		A	Specialties
specialty_documents		E	
specimen_coi_location		F	
state_of_birth		F	
status_acute		F	
Subject_List		F	
SUMMARY_DOCUMENTS		F	
Support_relationship		F	

5. Select **Add New List Item**.
The **Custom DBPicklist Setup** window opens.
6. Enter the details for **Code Value**, **SNOMED Type**, and **Code Description**, and then select **Add**.

Custom DBPicklist Setup

DBPicklist Name SNOMED_Visit_Type	Practice ID 	Location Name 	Provider Name 	Edit mode ☒ Full control
Code Value 123456test	Characters left: 90	SNOMED Type visit	Characters left: 95	
Qualifier 3 	Characters left: 100	Qualifier 4 	Characters left: 100	
Code Description snomed visit type I created	Characters left: 97			

(Highlight a row to edit) Add New List Item Remove Update 272 records

Practice	Code Value	SNOMED Type	Qualifier 3	Qualifier 4	Code Description

- 7. Verify that the configured picklist is present in the grid.**

DBPicklist Name

SNOMED_Visit_Type

Practice ID

Location Name

Provider Name

Edit mode

F Full control

Code Value

Characters left: 100

SNOMED Type

Characters left: 100

Qualifier 3

Characters left: 100

Qualifier 4

Characters left: 100

Code Description

Characters left: 1

Highlight a row to edit!

Add New List Item

Add

Remove

Update

273 records

Practice	Code Value	SNOMED type	Qualifier 3	Qualifier 4	Code Description
	310653000	visit			Drug addiction therapy - methadone (regime/therapy)
	207195004	visit			History and physical examination with evaluation and management of nursing facility patient (procedure)
	414056002	visit			Drug dependence self detoxification (regime/therapy)
	18170008	visit			Subsequent nursing facility visit (procedure)
	270427003	visit			Patient-initiated encounter (procedure)
	183459001	visit			Admit gynecological emergency (procedure)
	63547008	procedure			Caloric vestibular test with recording (procedure)
	183473005	visit			Admit oral surgical emergency (procedure)
	108221006	visit			Evaluation AND/OR management - established patient (procedure)
	366473003	visit			Telephone follow-up (procedure)
	185321005	visit			Letter encounter to patient (procedure)
	405096004	visit			Diabetes self-management behavior (observable entity)
	50357006	visit			Evaluation and management of patient at home (procedure)
	385809002	visit			Substance use therapy (regime/therapy)
	408947007	visit			Alcohol abuse prevention education (procedure)
	426928006	visit			Prevention of opioid abuse (procedure)
	90407005	visit			Evaluation of psychiatric state of patient (procedure)
	270430005	visit			Provider-initiated encounter (procedure)
	266707007	visit			Drug addiction therapy (regime/therapy)
	185466002	visit			Home visit for urgent condition (procedure)
	68381003	procedure			Surgical removal of erupted tooth requiring elevation of mucoperiosteal flap and removal of bone and/or section of tooth (procedure)
	123456test	visit			snomed visit type 1 created

- 8. Select the row, and then select **Save & Close**.**

Note: You can select the configured SNOMED visit or procedure in the **Finalize** template (to view the list you can select either **Visit** or **Procedure** option).

SNOMED Type

SNOMED codes selected here are only used for Quality Reporting and will not be uploaded to the procedure or problem modules.

Filter: ☒ Visit ☐ Procedure 239 records

SNOMED CT	Code
Seen in hospital outpatient department (finding)	185211000
Self-care patient education (procedure)	225967005
snomed visit type I created	123456test
Social psychotherapy (regime/therapy)	90102008
Subsequent hospital visit by physician (procedure)	12843005
Subsequent nursing facility visit (procedure)	18170008
Substance abuse prevention (procedure)	408933008
Substance abuse prevention assessment (procedure)	408934002
Substance abuse prevention education (procedure)	408935001
Substance abuse prevention management (procedure)	408936000
Substance use cessation case management (procedure)	423416000
Substance use cessation education, guidance, and counseling (procedure)	424407005
Substance use cessation surveillance (regime/therapy)	424148004
Substance use prevention (procedure)	386448003
Substance use surveillance (regime/therapy)	410419007
Substance use surveillance (regime/therapy)	410419007

Selected SNOMED CT: snomed visit type I created

Save & Close Cancel

For more information, go to [NextGen Healthcare Success Community](https://www.community.nextgen.com/articles/UserGuides/Data-Sets-Setup-Practice-Template-User-Guide), and download <https://www.community.nextgen.com/articles/UserGuides/Data-Sets-Setup-Practice-Template-User-Guide>.

CRS 2.0 Configuration

Links to measure practice instructions:

<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 Save & Close

Add/Update Coded Results Mapping

Source Table: eyeRetinaExam Source Field: ma_os_find3 Field Value: macular edema, not clinically significant Map any Value: Min: Max: Code System: SNOMED Code Value:

Comments:

Add Update Remove

Show removed Filter by Show all Source table/field Code value 9258 records

Source Table	Source Field	Field Value	Any Value	Min	Max	Code System	Code Value	Cost
eyeRetinaExam	ma_os_find3	cystoid macular edema				SNOMED	193387007	
eyeRetinaExam	ma_os_find3	diabetic edema				SNOMED	312912001	
eyeRetinaExam	ma_os_find3	diabetic retinopathy				SNOMED	398834004	
eyeRetinaExam	ma_os_find3	DME				SNOMED	312912001	
eyeRetinaExam	ma_os_find3	edema				SNOMED	312912001	
eyeRetinaExam	ma_os_find3	flat, no hemorrhages, exudates, pigmentary changes, or no macular edema				SNOMED	442225006	
eyeRetinaExam	ma_os_find3	flat, no hemorrhages, exudates, pigmentary changes, or no macular edema				SNOMED	428341000124108	
eyeRetinaExam	ma_os_find3	flat, no hemorrhages, exudates, pigmentary changes or macular edema				SNOMED	428341000124108	
eyeRetinaExam	ma_os_find3	flat, no hemorrhages, exudates, pigmentary changes or macular edema				SNOMED	442225006	
eyeRetinaExam	ma_os_find3	macular edema				SNOMED	312912001	
eyeRetinaExam	ma_os_find3	macular edema, not clinically significant				SNOMED		
eyeRetinaExam	ma_os_find3	macular exam unchanged				SNOMED	442225006	

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	12/23/2025	1.0	Initial Release