

Description: This document contains the 19 performance measures approved by CMS for inclusion in the 2020 Qualified Clinical Data Registry (QCDR).

Measure ID	ASNC19
Modality	Nuclear (SPECT, PET)
Measure Title	Imaging Protocols for SPECT and PET MPI studies - Use of stress only protocol
Measure Description	Percentage of Single Photon Emission Computed Tomography (SPECT) and Positron Emission Tomography (PET) Myocardial Perfusion Imaging (MPI) studies where the imaging protocol used was stress only performed on patients 18 years of age or older.
Numerator	Number of denominator eligible studies performed where the imaging protocol used was stress only.
Numerator Exclusions	None
Denominator	All instances of normal stress nuclear Myocardial Perfusion Imaging (MPI) studies performed on patients 18 years of age or older.
Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	Yes
Measure Type	Outcome
Inverse Measure	No
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Preventable Healthcare Harm
NQS Domain	Patient Safety
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	ASNC23
Modality	Nuclear (SPECT)
Measure Title	SPECT-MPI study clinical utilization of Attenuation Correction image acquisition
Measure Description	Percentage of Single Photon Emission Computed Tomography (SPECT) Myocardial Perfusion Imaging (MPI) studies using Attenuation Correction performed on patients 18 years of age or older.
Numerator	Number of denominator eligible studies performed where an Attenuation Correction of CT or Transmission was used or an Attenuation Correction of "Prone" or "Supine" was documented for patients.
Numerator Exclusions	None
Denominator	Number of SPECT-MPI studies performed on patients 18 years of age or older.
Denominator Exclusions	None

Denominator Exceptions	None
High Priority Status	Yes
Measure Type	Process
Inverse Measure	No
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Patient-Focused Episode of Care
NQS Domain	Efficiency and Cost Reduction
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	ASNC28
Modality	Nuclear (SPECT)
Measure Title	SPECT-MPI effective dose less than or equal to 9 millisieverts as per ASNC guideline recommendations
Measure Description	Percentage of Single Photon Emission Computed Tomography (SPECT) Myocardial Perfusion Imaging (MPI) studies where 9 or less millisieverts of radiation were administered per ASNC guideline recommendations on patients 18 years of age or older.
Numerator	Number of denominator eligible studies performed where 9 or less millisieverts were administered for the study.
Numerator Exclusions	None
Denominator	Number of SPECT-MPI studies performed on patients 18 years of age or older.
Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	Yes
Measure Type	Outcome
Inverse Measure	No
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Preventable Healthcare Harm
NQS Domain	Patient Safety
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	ASNC29
Modality	Nuclear (SPECT, PET)
Measure Title	SPECT and PET MPI study documentation of stress perfusion defects
Measure Description	Percentage of Single Photon Emission Computed Tomography (SPECT) and Positron

Emission Tomography (PET) Myocardial Perfusion Imaging (MPI) studies that were abnormal and contained perfusion defects documentation including location, severity, and size performed on patients 18 years of age or older.

Numerator	Number of denominator eligible studies performed where all stress perfusion defects were documented including the defect location, severity, size and type.
Numerator Exclusions	None
Denominator	All instances of stress nuclear Myocardial Perfusion Imaging (MPI) studies that were abnormal performed on patients 18 years of age or older.
Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	Yes
Measure Type	Process
Inverse Measure	No
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Transfer of Health Information and Interoperability
NQS Domain	Communication and Care Coordination
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	IGR1
Modality	Transthoracic Echocardiography
Measure Title	Comprehensive TTE studies reporting a measured value of LVEF AND wall motion findings with LVEF < 50%
Measure Description	Percentage of comprehensive TTE studies reporting a measured value of LVEF and wall motion findings with LVEF < 50% on patients 18 years of age or older.
Numerator	Number of denominator eligible studies reporting a measured value of LVEF by 2D or 3D techniques and wall motion findings in patients with LVEF < 50%.
Numerator Exclusions	None
Denominator	Comprehensive TTE studies with a LVEF < 50% performed on patients 18 years of age or older.
Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	Yes
Measure Type	Efficiency and Cost/Resource Use
Inverse Measure	No
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Appropriate use of Healthcare
NQS Domain	Efficiency and Cost Reduction

NQF ID Number N/A
Risk-Adjusted No

Measure ID IGR2
Modality Stress Echocardiography
Measure Title Parameters in stress echocardiography dobutamine testing for low flow, low gradient aortic stenosis
Measure Description Percentage of low flow, low gradient aortic stenosis studies in the setting of LVEF < 50% with complete measurements during a dobutamine stress echocardiogram on patients 18 years of age or older.
Numerator Number of denominator eligible studies in which ((left ventricular outflow tract diameter (LVOT), LVOT velocity time integral, AND peak aortic valve velocity) OR aortic valve area) AND mean aortic valve gradient AND LVEF are measured at baseline and at peak stage of dobutamine infusion.
Numerator Exclusions None
Denominator All stress echo studies performed to assess low flow, low gradient aortic stenosis in the setting of LVEF < 50% on patients 18 years of age or older.
Denominator Exclusions None
Denominator Exceptions None
High Priority Status No
Measure Type Process
Inverse Measure No
Number of rates 1
Overall Performance Rate N/A
Measure Rate Type Proportional
Meaningful Measure Area Appropriate use of Healthcare
NQS Domain Effective Clinical Care
NQF ID Number N/A
Risk-Adjusted No

Measure ID IGR4
Modality Nuclear (SPECT, PET), Stress Echocardiography
Measure Title Myocardial Perfusion Imaging (MPI) studies or Stress Echocardiography imaging studies not Equivocal
Measure Description Percentage of Single Photon Emission Computed Tomography (SPECT), Positron Emission Tomography (PET) or Stress Echocardiography imaging studies that are not equivocal on patients 18 years of age or older.
Numerator Number of denominator eligible studies performed where the results were not equivocal.
Numerator Exclusions None
Denominator All instances of stress nuclear Myocardial Perfusion Imaging (MPI) studies or Stress Echocardiography imaging studies performed on patients 18 years of age or older.
Denominator Exclusions None

Denominator Exceptions	None
High Priority Status	Yes
Measure Type	Efficiency and Cost/Resource Use
Inverse Measure	No
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Appropriate use of Healthcare
NQS Domain	Efficiency and Cost Reduction
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	IGR5
Modality	Nuclear (SPECT, PET), Transthoracic Echocardiography, Stress Echocardiography
Measure Title	Myocardial Perfusion Imaging (MPI) studies, Transthoracic Echo (TTE), or Stress Echocardiography imaging studies reporting Left Ventricular Ejection Fraction
Measure Description	Percentage of Single Photon Emission Computed Tomography (SPECT), Positron Emission Tomography (PET) Myocardial Perfusion Imaging (MPI), transthoracic echocardiography, or stress echocardiography imaging studies where the Left Ventricle Ejection Fraction (LVEF) was calculated and included in the report performed on patients 18 years of age or older.
Numerator	Number of denominator eligible studies performed where the Left Ventricular Ejection Fraction was calculated and reported.
Numerator Exclusions	None
Denominator	All instances of stress nuclear Myocardial Perfusion Imaging (MPI) studies, Transthoracic Echocardiography (TTE), or Stress Echocardiography imaging studies performed on patients 18 years of age or older.
Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	No
Measure Type	Process
Inverse Measure	No
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Preventive Care
NQS Domain	Effective Clinical Care
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	IGR6
Modality	Nuclear (SPECT), Stress Echocardiography

Measure Title	SPECT-MPI or Stress Echocardiography imaging protocol selection for morbidly obese patients
Measure Description	Percentage of SPECT-MPI or Stress Echocardiography imaging studies where the Imaging Protocol was appropriate for morbidly obese patients on patients 18 years of age or older.
Numerator	Number of denominator eligible studies performed where the nuclear imaging protocol used was Rest/Stress 2-Day or Stress/Rest 2-day or Stress Echocardiography where contrast was utilized.
Numerator Exclusions	None
Denominator	Number of SPECT-MPI or Stress Echocardiography studies performed where the BMI \geq 40 on patients 18 years of age or older.
Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	Yes
Measure Type	Efficiency and Cost/Resource Use
Inverse Measure	No
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Patient-Focused Episode of Care
NQS Domain	Effective Clinical Care
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	IGR7
Modality	Nuclear (SPECT), Stress Echocardiography
Measure Title	SPECT-MPI or Stress Echocardiography imaging studies with adequate exercise testing performed
Measure Description	Percentage of Single Photon Emission Computed Tomography (SPECT) Myocardial Perfusion Imaging (MPI) or Stress Echocardiography exercise studies where the stress heart rate \geq 85% of maximum heart rate and three or more minutes of exercise performed on patients 18 years of age or older.
Numerator	Number of denominator eligible studies performed where the stress heart rate \geq 85% of maximum heart rate and three or more minutes of exercise.
Numerator Exclusions	None
Denominator	Number of exercise SPECT-MPI or Stress Echocardiography studies performed on patients 18 years of age or older.
Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	No
Measure Type	Process
Inverse Measure	No
Number of rates	1

Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Preventive Care
NQS Domain	Effective Clinical Care
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	IGR8
Modality	Nuclear (SPECT), Stress Echocardiography
Measure Title	SPECT-MPI or Stress Echocardiography study utilization of exercise as a stressor
Measure Description	Percentage of Single Photon Emission Computed Tomography (SPECT) Myocardial Perfusion Imaging (MPI) or Stress Echocardiography studies using a Stress Test Type that includes exercise performed on patients 18 years of age or older.
Numerator	Number of denominator eligible studies performed where the Stress Test Type includes exercise.
Numerator Exclusions	None
Denominator	Number of SPECT-MPI or Stress Echocardiography studies performed on patients 18 years of age or older.
Denominator Exclusions	Patients with Left Bundle Branch Block (LBBB), a pacemaker or who are unable to exercise.
Denominator Exceptions	None
High Priority Status	No
Measure Type	Process
Inverse Measure	No
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Preventive Care
NQS Domain	Effective Clinical Care
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	IGR9
Modality	Stress Echocardiography
Measure Title	Stress echo performance for shortness of breath per ASE guidelines
Measure Description	<p>Stress echo performance for shortness of breath per ASE guidelines on patients 18 years of age or older. This is a multi-strata measure consisting of the following:</p> <ol style="list-style-type: none"> 1. Percentage of stress echo studies presenting with an indication of unexplained dyspnea that include an interpretation of LV diastolic function parameters with exercise. 2. Percentage of stress echo studies presenting with significant aortic and mitral valve disease that include reporting of valve function and regurgitation with exercise.

	The overall performance will be calculated using a weighted average.
Numerator	<ol style="list-style-type: none"> 1. Number of denominator eligible studies performed that include interpretation of (LV diastolic function OR estimated LV filling pressures) and estimated pulmonary artery systolic pressure at exercise. 2. Number of denominator eligible studies performed that include reporting of aortic and mitral valve function and regurgitation at exercise.
Numerator Exclusions	None
Denominator	<ol style="list-style-type: none"> 1. Number of exercise echocardiograms with an indication of unexplained dyspnea performed on patients 18 years of age or older. 2. Number of exercise echocardiograms with an indication known or suspected aortic or mitral regurgitation or being evaluated for valvular heart disease performed on patients 18 years of age or older.
Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	Yes
Measure Type	Efficiency and Cost/Resource Use
Inverse Measure	No
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Appropriate use of Healthcare
NQS Domain	Effective Clinical Care
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	IGR10
Modality	Transthoracic Echocardiography
Measure Title	Transthoracic Echo (TTE) performance per ASE guidelines
Measure Description	<p>Transthoracic Echo (TTE) performance per ASE guidelines on patients 18 years of age or older. This is a multi-strata measure consisting of the following:</p> <ol style="list-style-type: none"> 1. Percentage of comprehensive TTE studies reporting 100% obtainment of required views. 2. Percentage of limited and comprehensive TTE studies where the study quality was poor or technically difficult that utilized contrast. 3. Percentage of comprehensive TTE studies reporting pulmonary artery pressures. 4. Percentage of comprehensive TTE studies reporting of diastolic function. 5. Percentage of limited and comprehensive TTE studies reporting cardiac function using strain analysis in patients receiving chemotherapy. <p>The overall performance will be calculated using a weighted average.</p>
Numerator	<ol style="list-style-type: none"> 1. Number of denominator eligible studies utilizing 100% of all required views. 2. Number of denominator eligible studies receiving contrast. 3. Number of denominator eligible studies reporting pulmonary artery pressures. 4. Number of denominator eligible studies documenting LV diastolic function or LV

filling pressure.

5. Number of denominator eligible studies that include strain analysis.

Numerator Exclusions	None
Denominator	1. Number of comprehensive Transthoracic Echo (TTE) studies performed on patients 18 years of age or older. 2. Number of limited and comprehensive Transthoracic Echo (TTE) studies where the study quality was poor/technically difficult performed on patients 18 years of age or older. 3. Number of comprehensive Transthoracic Echo (TTE) studies performed on patients 18 years of age or older. 4. Number of comprehensive Transthoracic Echo (TTE) studies for heart failure or being evaluated for shortness of breath performed on patients 18 years of age or older. 5. Number of limited and comprehensive Transthoracic Echo (TTE) studies for indications involving chemotherapy performed on patients 18 years of age or older.
Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	Yes
Measure Type	Efficiency and Cost/Resource Use
Inverse Measure	No
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Appropriate use of Healthcare
NQS Domain	Efficiency and Cost Reduction
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	IGR11
Modality	Nuclear (SPECT, PET), Stress Echocardiography
Measure Title	Myocardial Perfusion Imaging (MPI), Transthoracic Echocardiography (TTE), or Stress Echocardiography studies meeting appropriate use criteria
Measure Description	Percentage of stress echo, TTE, SPECT or PET MPI studies performed that are appropriate on patients 18 years of age or older.
Numerator	Number of denominator eligible studies performed where studies performed were appropriate.
Numerator Exclusions	None
Denominator	All instances of stress nuclear Myocardial Perfusion Imaging (MPI) studies or Stress Echocardiography studies performed on patients 18 years of age or older.
Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	Yes
Measure Type	Efficiency and Cost/Resource Use
Inverse Measure	No

Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Appropriate Use of Healthcare
NQS Domain	Efficiency and Cost Reduction
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	IGR12
Modality	Transthoracic Echocardiography
Measure Title	Appropriate diagnosis verification and severity grading for valve disease through transthoracic echocardiography (TTE) quantitative parameters.
Measure Description	<p>This measure addresses changes in cardiac structure and function in patients with aortic stenosis and/or mitral regurgitation. Changes in left ventricular size and function AND quantitative assessment of severity of aortic stenosis and/or mitral regurgitation should be performed in patients with significant left sided valvular lesions. Both sets of data (left ventricle structure and function, and extent of valvular disease) are needed to reach a conclusion about whether valve surgery or repair is needed. While qualitative assessments are commonly employed, they are generally inadequate to determine severity and to track changes over time. This is a multi-strata measure consisting of the following strata:</p> <ol style="list-style-type: none"> 1. Percentage of transthoracic echocardiogram reports with at least moderate mitral regurgitation including qualitative MR severity, two quantitative MR measurements to support the qualitative severity grading, quantitative LVEF, one quantitative measurement of LV size at end diastole and end systole, AND blood pressure at time of study. 2. Percentage of transthoracic echocardiogram reports with at least moderate aortic stenosis including peak velocity, mean systolic gradient, aortic valve area, quantitative LVEF, one quantitative measurement of LV size at end diastole and end systole, AND blood pressure at the time of study. <p>The overall performance will be calculated using a weighted average.</p>
Numerator	<ol style="list-style-type: none"> 1. Number of transthoracic echocardiogram reports with at least moderate mitral regurgitation including qualitative MR severity, two quantitative MR measurements to support the qualitative severity grading, quantitative LVEF, one quantitative measurement of LV size at end diastole and end systole, AND blood pressure at time of study. 2. Number of transthoracic echocardiogram reports with at least moderate aortic stenosis including peak velocity, mean systolic gradient, aortic valve area, quantitative LVEF, one quantitative measurement of LV size at end diastole and end systole, AND blood pressure at the time of study
Numerator Exclusions	None
Denominator	<ol style="list-style-type: none"> 1. Number of transthoracic echocardiogram (TTE) studies performed with moderate or greater mitral regurgitation reported on patients 18 years of age or older. 2. Number of comprehensive transthoracic Echo (TTE) studies performed with moderate or greater aortic valve stenosis reported on patients 18 years of age or older.

Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	No
Measure Type	Process
Inverse Measure	No
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Transfer of Health Information and Interoperability
NQS Domain	Effective Clinical Care
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	IGR13
Modality	Transthoracic Echocardiography
Measure Title	Appropriate Evaluation of Left Ventricular Structure and Systolic Function with Transthoracic Echocardiography (TTE) to Guide Heart Failure and Cardiomyopathy Management
Measure Description	<p>This measure addresses appropriate evaluation of left ventricular structure and systolic function with TTE to guide heart failure and cardiomyopathy management on patients 18 years of age or older. This is a multi-strata measure consisting of the following strata:</p> <ol style="list-style-type: none"> 1. Percentage (%) of comprehensive transthoracic echocardiogram (TTE) studies performed on patients with heart failure/cardiomyopathy as the reason for the study, and including the following parameters for the study: - LV end-diastolic and end systolic diameters, end diastolic LV interventricular septum thickness and LV posterior wall thickness measurements - LV mass index calculation - Strain technology utilization - Use of intravenous contrast agent to visualize endocardial borders for LV volumes and ejection fraction (EF) measurement in technically difficult studies 2. Percentage (%) of comprehensive TTE studies performed on patients with heart failure/cardiomyopathy as the reason for the study where the LVEF < 40%, that include a recommendation to consider instituting guideline-directed medical therapy for heart failure, including beta-blocker and renin-angiotensin-aldosterone neurohormonal axis blockade and neprilysin/angiotensin receptor inhibitor if clinically indicated. <p>The overall performance will be calculated using a weighted average.</p>
Numerator	<ol style="list-style-type: none"> 1. Number of denominator eligible studies reporting a quantitative assessment of left ventricular (LV) structure and systolic function including: <ul style="list-style-type: none"> - LV end-diastolic and end systolic diameters, end diastolic LV interventricular septum thickness and LV posterior wall thickness measurements - LV mass index calculation - Strain technology utilization - Use of intravenous contrast agent to visualize endocardial borders for LV volumes and ejection fraction (EF) measurement in technically difficult studies 2. Number of denominator eligible studies that include a recommendation to consider instituting guideline-directed medical therapy for heart failure, including beta-blocker

and renin-angiotensin-aldosterone neurohormonal axis blockade and neprilysin/angiotensin receptor inhibitor if clinically indicated.

Numerator Exclusions	None
Denominator	1. Number of comprehensive TTE studies performed on patients with heart failure/cardiomyopathy as a reason for the study in patients 18 years of age or older. 2. Number of comprehensive TTE studies performed on patients with heart failure/cardiomyopathy as a reason for the study in patients 18 years of age or older where the LVEF < 40%.
Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	No
Measure Type	Process
Inverse Measure	No
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	Patient-Focused Episode of Care
NQS Domain	Effective Clinical Care
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	322
Modality	Nuclear (SPECT, PET), Stress Echocardiography
Measure Title	Cardiac Stress Imaging Not Meeting Appropriate Use Criteria: Preoperative Evaluation in Low Risk Surgery Patients
Measure Description	Percentage of stress single-photon emission computed tomography (SPECT) myocardial perfusion imaging (MPI), stress echocardiogram (ECHO), cardiac computed tomography angiography (CCTA), or cardiac magnetic resonance (CMR) performed in low-risk surgery patients 18 years or older for preoperative evaluation during the 12-month submission period.
Numerator	Number of stress SPECT MPI, stress echo, CCTA, or CMR primarily performed in low-risk surgery patients for preoperative evaluation within 30 days preceding low-risk non-cardiac surgery.
Numerator Exclusions	None
Denominator	All instances of stress single-photon emission computed tomography (SPECT) myocardial perfusion imaging (MPI), stress echocardiogram (ECHO), cardiac computed tomography angiography (CCTA), or cardiac magnetic resonance (CMR) performed on patients aged 18 years and older during the submission period.
Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	Yes
Measure Type	Efficiency and Cost/Resource Use
Inverse Measure	Yes

Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	
NQS Domain	Efficiency and Cost Reduction
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	323
Modality	Nuclear (SPECT, PET), Stress Echocardiography
Measure Title	Cardiac Stress Imaging Not Meeting Appropriate Use Criteria: Routine Testing After Percutaneous Coronary Intervention (PCI)
Measure Description	Percentage of all stress single-photon emission computed tomography (SPECT) myocardial perfusion imaging (MPI), stress echocardiogram (ECHO), cardiac computed tomography angiography (CCTA), and cardiovascular magnetic resonance (CMR) performed in patients aged 18 years and older routinely after percutaneous coronary intervention (PCI), with reference to timing of test after PCI and symptom status.
Numerator	Number of stress SPECT MPI, stress echo, CCTA and CMR performed in asymptomatic patients within 2 years of the most recent PCI.
Numerator Exclusions	None
Denominator	All instances of stress single-photon emission computed tomography (SPECT) myocardial perfusion imaging (MPI), stress echocardiogram (ECHO), cardiac computed tomography angiography (CCTA), or cardiac magnetic resonance (CMR) performed on patients aged 18 years and older during the submission period.
Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	Yes
Measure Type	Efficiency and Cost/Resource Use
Inverse Measure	Yes
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	
NQS Domain	Efficiency and Cost Reduction
NQF ID Number	N/A
Risk-Adjusted	No

Measure ID	324
Modality	Nuclear (SPECT, PET), Stress Echocardiography
Measure Title	Cardiac Stress Imaging Not Meeting Appropriate Use Criteria: Testing in Asymptomatic, Low-Risk Patients
Measure Description	Percentage of all stress single-photon emission computed tomography (SPECT) myocardial perfusion imaging (MPI), stress echocardiogram (ECHO), cardiac computed

tomography angiography (CCTA), and cardiovascular magnetic resonance (CMR) performed in asymptomatic, low coronary heart disease (CHD) risk patients 18 years and older for initial detection and risk assessment.

Numerator	Number of stress SPECT MPI, stress echo, CCTA, or CMR primarily performed for asymptomatic, low CHD risk patients for initial detection and risk assessment.
Numerator Exclusions	None
Denominator	All instances of stress single-photon emission computed tomography (SPECT) myocardial perfusion imaging (MPI), stress echocardiogram (ECHO), cardiac computed tomography angiography (CCTA), or cardiac magnetic resonance (CMR) performed on patients aged 18 years and older during the performance period.
Denominator Exclusions	None
Denominator Exceptions	None
High Priority Status	Yes
Measure Type	Efficiency and Cost/Resource Use
Inverse Measure	Yes
Number of rates	1
Overall Performance Rate	N/A
Measure Rate Type	Proportional
Meaningful Measure Area	
NQS Domain	Efficiency and Cost Reduction
NQF ID Number	N/A
Risk-Adjusted	No
