

**Description:** This document contains the 18 performance measures approved by CMS for inclusion in the 2019 Qualified Clinical Data Registry (QCDR).

<b>Measure ID</b>	322
<b>Modality</b>	Nuclear (SPECT, PET), Stress Echocardiography
<b>Measure Title</b>	Cardiac Stress Imaging Not Meeting Appropriate Use Criteria: Preoperative Evaluation in Low Risk Surgery Patients
<b>Measure Description</b>	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.
<b>Numerator</b>	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.
<b>Numerator Exclusions</b>	None
<b>Denominator</b>	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.
<b>Denominator Exclusions</b>	None
<b>Denominator Exceptions</b>	None
<b>High Priority Status</b>	Yes
<b>Measure Type</b>	Efficiency and Cost/Resource Use
<b>Inverse Measure</b>	Yes
<b>Number of rates</b>	1
<b>Overall Performance Rate</b>	1st Performance Rate
<b>Measure Rate Type</b>	Proportional
<b>Meaningful Measure Area</b>	
<b>NQS Domain</b>	Efficiency and Cost Reduction
<b>NQF ID Number</b>	
<b>Risk-Adjusted</b>	No

<b>Measure ID</b>	323
<b>Modality</b>	Nuclear (SPECT, PET), Stress Echocardiography
<b>Measure Title</b>	Cardiac Stress Imaging Not Meeting Appropriate Use Criteria: Routine Testing After Percutaneous Coronary Intervention (PCI)
<b>Measure Description</b>	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.

<b>Numerator</b>	Number of stress SPECT MPI, stress echo, CCTA and CMR performed in asymptomatic patients within 2 years of the most recent PCI.
<b>Numerator Exclusions</b>	None
<b>Denominator</b>	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.
<b>Denominator Exclusions</b>	None
<b>Denominator Exceptions</b>	None
<b>High Priority Status</b>	Yes
<b>Measure Type</b>	Efficiency and Cost/Resource Use
<b>Inverse Measure</b>	Yes
<b>Number of rates</b>	1
<b>Overall Performance Rate</b>	1st Performance Rate
<b>Measure Rate Type</b>	Proportional
<b>Meaningful Measure Area</b>	
<b>NQS Domain</b>	Efficiency and Cost Reduction
<b>NQF ID Number</b>	
<b>Risk-Adjusted</b>	No

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<b>Measure ID</b>	324
<b>Modality</b>	Nuclear (SPECT, PET), Stress Echocardiography
<b>Measure Title</b>	Cardiac Stress Imaging Not Meeting Appropriate Use Criteria: Testing in Asymptomatic, Low-Risk Patients
<b>Measure Description</b>	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.
<b>Numerator</b>	Number of stress SPECT MPI, stress echo, CCTA, or CMR primarily performed for asymptomatic, low CHD risk patients for initial detection and risk assessment.
<b>Numerator Exclusions</b>	None
<b>Denominator</b>	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.
<b>Denominator Exclusions</b>	None
<b>Denominator Exceptions</b>	None
<b>High Priority Status</b>	Yes
<b>Measure Type</b>	Efficiency and Cost/Resource Use
<b>Inverse Measure</b>	Yes

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

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**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** 1st Performance Rate  
**Measure Rate Type** Proportional  
**Meaningful Measure Area** Preventable Healthcare Harm  
**NQS Domain** Patient Safety  
**NQF ID Number** N/A  
**Risk-Adjusted** No

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**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

<b>Denominator</b>	Number of SPECT-MPI studies performed on patients 18 years of age or older.
<b>Denominator Exclusions</b>	None
<b>Denominator Exceptions</b>	None
<b>High Priority Status</b>	Yes
<b>Measure Type</b>	Process
<b>Inverse Measure</b>	No
<b>Number of rates</b>	1
<b>Overall Performance Rate</b>	1st Performance Rate
<b>Measure Rate Type</b>	Proportional
<b>Meaningful Measure Area</b>	Patient-Focused Episode of Care
<b>NQS Domain</b>	Efficiency and Cost Reduction
<b>NQF ID Number</b>	N/A
<b>Risk-Adjusted</b>	No

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

<b>Measure ID</b>	ASNC29
<b>Modality</b>	Nuclear (SPECT, PET)

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

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<b>Measure ID</b>	ASNC30
<b>Modality</b>	Transthoracic Echocardiography
<b>Measure Title</b>	Transthoracic Echo (TTE) studies meeting appropriate use criteria
<b>Measure Description</b>	Percentage of appropriate Transthoracic Echo (TTE) studies performed on patients 18 years of age or older.
<b>Numerator</b>	Number of denominator eligible studies performed rated as "appropriate" or "may be appropriate."
<b>Numerator Exclusions</b>	None
<b>Denominator</b>	Number of Transthoracic Echo (TTE) studies performed on patients 18 years of age or older.
<b>Denominator Exclusions</b>	None
<b>Denominator Exceptions</b>	None
<b>High Priority Status</b>	Yes
<b>Measure Type</b>	Efficiency and Cost/Resource Use
<b>Inverse Measure</b>	No
<b>Number of rates</b>	1
<b>Overall Performance Rate</b>	1st Performance Rate
<b>Measure Rate Type</b>	Proportional
<b>Meaningful Measure Area</b>	Appropriate Use of Healthcare

<b>NQS Domain</b>	Efficiency and Cost Reduction
<b>NQF ID Number</b>	N/A
<b>Risk-Adjusted</b>	No

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

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<b>Measure ID</b>	IGR2
<b>Modality</b>	Stress Echocardiography
<b>Measure Title</b>	Parameters in dobutamine testing for low flow, low gradient aortic stenosis
<b>Measure Description</b>	Percentage of low flow, low gradient aortic stenosis studies with complete measurements during a dobutamine stress echocardiography on patients 18 years of age or older.
<b>Numerator</b>	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 at are measured at baseline and at peak stage of dobutamine infusion.
<b>Numerator Exclusions</b>	None
<b>Denominator</b>	All studies performed to assess low flow, low gradient aortic stenosis in the setting of LVEF < 50% on patients 18 years of age or older.
<b>Denominator Exclusions</b>	None

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<b>Denominator Exceptions</b>	None
<b>High Priority Status</b>	No
<b>Measure Type</b>	Process
<b>Inverse Measure</b>	No
<b>Number of rates</b>	1
<b>Overall Performance Rate</b>	1st Performance Rate
<b>Measure Rate Type</b>	Proportional
<b>Meaningful Measure Area</b>	Appropriate use of Healthcare
<b>NQS Domain</b>	Effective Clinical Care
<b>NQF ID Number</b>	N/A
<b>Risk-Adjusted</b>	No

<b>Measure ID</b>	IGR3
<b>Modality</b>	Nuclear (SPECT, PET), Stress Echocardiography
<b>Measure Title</b>	Myocardial Perfusion Imaging (MPI) or Stress Echocardiography studies meeting appropriate use criteria
<b>Measure Description</b>	Percentage of stress echo, SPECT or PET MPI studies performed that are appropriate.
<b>Numerator</b>	Number of denominator eligible studies performed where studies performed were appropriate.
<b>Numerator Exclusions</b>	None
<b>Denominator</b>	All instances of stress nuclear Myocardial Perfusion Imaging (MPI) studies or Stress Echocardiography studies performed.
<b>Denominator Exclusions</b>	None
<b>Denominator Exceptions</b>	None
<b>High Priority Status</b>	Yes
<b>Measure Type</b>	Efficiency and Cost/Resource Use
<b>Inverse Measure</b>	No
<b>Number of rates</b>	1
<b>Overall Performance Rate</b>	1st Performance Rate
<b>Measure Rate Type</b>	Proportional
<b>Meaningful Measure Area</b>	Appropriate Use of Healthcare
<b>NQS Domain</b>	Efficiency and Cost Reduction
<b>NQF ID Number</b>	N/A
<b>Risk-Adjusted</b>	No

<b>Measure ID</b>	IGR4
<b>Modality</b>	Nuclear (SPECT, PET), Stress Echocardiography
<b>Measure Title</b>	Myocardial Perfusion Imaging (MPI) studies or Stress Echocardiography imaging studies not Equivocal
<b>Measure Description</b>	Percentage of Single Photon Emission Computed Tomography (SPECT), Positron Emission Tomography (PET) or Stress Echocardiography imaging studies that are not

	equivocal.
<b>Numerator</b>	Number of denominator eligible studies performed where the results were not equivocal.
<b>Numerator Exclusions</b>	None
<b>Denominator</b>	All instances of stress nuclear Myocardial Perfusion Imaging (MPI) studies or Stress Echocardiography imaging studies performed.
<b>Denominator Exclusions</b>	None
<b>Denominator Exceptions</b>	None
<b>High Priority Status</b>	Yes
<b>Measure Type</b>	Efficiency and Cost/Resource Use
<b>Inverse Measure</b>	No
<b>Number of rates</b>	1
<b>Overall Performance Rate</b>	1st Performance Rate
<b>Measure Rate Type</b>	Proportional
<b>Meaningful Measure Area</b>	Appropriate use of Healthcare
<b>NQS Domain</b>	Efficiency and Cost Reduction
<b>NQF ID Number</b>	N/A
<b>Risk-Adjusted</b>	No

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<b>Measure ID</b>	IGR5
<b>Modality</b>	Nuclear (SPECT, PET), Transthoracic Echocardiography, Stress Echocardiography
<b>Measure Title</b>	Myocardial Perfusion Imaging (MPI) studies, Transthoracic Echo (TTE), or Stress Echocardiography imaging studies reporting Left Ventricular Ejection Fraction
<b>Measure Description</b>	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.
<b>Numerator</b>	Number of denominator eligible studies performed where the Left Ventricle Ejection Fraction was calculated and reported.
<b>Numerator Exclusions</b>	None
<b>Denominator</b>	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.
<b>Denominator Exclusions</b>	None
<b>Denominator Exceptions</b>	None
<b>High Priority Status</b>	No
<b>Measure Type</b>	Process
<b>Inverse Measure</b>	No
<b>Number of rates</b>	1
<b>Overall Performance Rate</b>	1st Performance Rate
<b>Measure Rate Type</b>	Proportional



<b>Meaningful Measure Area</b>	Preventive Care
<b>NQS Domain</b>	Effective Clinical Care
<b>NQF ID Number</b>	N/A
<b>Risk-Adjusted</b>	No

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<b>Measure ID</b>	IGR6
<b>Modality</b>	Nuclear (SPECT), Stress Echocardiography
<b>Measure Title</b>	SPECT-MPI or Stress Echocardiography imaging protocol selection for morbidly obese patients
<b>Measure Description</b>	Percentage of SPECT-MPI or Stress Echocardiography imaging studies where the Imaging Protocol was appropriate for morbidly obese patients.
<b>Numerator</b>	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.
<b>Numerator Exclusions</b>	None
<b>Denominator</b>	Number of SPECT-MPI or Stress Echocardiography studies performed where the BMI >= 40.
<b>Denominator Exclusions</b>	None
<b>Denominator Exceptions</b>	None
<b>High Priority Status</b>	Yes
<b>Measure Type</b>	Efficiency and Cost/Resource Use
<b>Inverse Measure</b>	No
<b>Number of rates</b>	1
<b>Overall Performance Rate</b>	1st Performance Rate
<b>Measure Rate Type</b>	Proportional
<b>Meaningful Measure Area</b>	Patient-Focused Episode of Care
<b>NQS Domain</b>	Effective Clinical Care
<b>NQF ID Number</b>	N/A
<b>Risk-Adjusted</b>	No

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<b>Measure ID</b>	IGR7
<b>Modality</b>	Nuclear (SPECT), Stress Echocardiography
<b>Measure Title</b>	SPECT-MPI or Stress Echocardiography imaging studies with adequate exercise testing performed
<b>Measure Description</b>	Percentage of Single Photon Emission Computed Tomography (SPECT) Myocardial Perfusion Imaging (MPI) or Stress Echocardiography exercise studies where the stress heart rate >= 85% of maximum heart rate and three or more minutes of exercise performed on patients 18 years of age or older.
<b>Numerator</b>	Number of denominator eligible studies performed where the stress heart rate >= 85% of maximum heart rate and three or more minutes of exercise.
<b>Numerator Exclusions</b>	None
<b>Denominator</b>	Number of exercise SPECT-MPI or Stress Echocardiography studies performed on patients 18 years of age or older.

<b>Denominator Exclusions</b>	None
<b>Denominator Exceptions</b>	None
<b>High Priority Status</b>	No
<b>Measure Type</b>	Process
<b>Inverse Measure</b>	No
<b>Number of rates</b>	1
<b>Overall Performance Rate</b>	1st Performance Rate
<b>Measure Rate Type</b>	Proportional
<b>Meaningful Measure Area</b>	Preventive Care
<b>NQS Domain</b>	Effective Clinical Care
<b>NQF ID Number</b>	N/A
<b>Risk-Adjusted</b>	No

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

<b>Measure ID</b>	IGR9
<b>Modality</b>	Stress Echocardiography
<b>Measure Title</b>	Stress echo performance for shortness of breath per ASE guidelines

<b>Measure Description</b>	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: <ul style="list-style-type: none"> <li>1. Percentage of stress echo studies presenting with an indication of unexplained dyspnea that include an interpretation of LV diastolic function parameters with exercise.</li> <li>2. Percentage of stress echo studies presenting with significant aortic and mitral valve disease that include reporting of valve function and regurgitation with exercise.</li> </ul> The overall performance will be calculated using a weighted average.
<b>Numerator</b>	<ul style="list-style-type: none"> <li>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.</li> <li>2. Number of denominator eligible studies performed that include reporting of aortic and mitral valve function and regurgitation at exercise.</li> </ul>
<b>Numerator Exclusions</b>	None
<b>Denominator</b>	<ul style="list-style-type: none"> <li>1. Number of exercise echocardiograms with an indication of unexplained dyspnea performed on patients 18 years of age or older.</li> <li>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.</li> </ul>
<b>Denominator Exclusions</b>	None
<b>Denominator Exceptions</b>	None
<b>High Priority Status</b>	Yes
<b>Measure Type</b>	Efficiency and Cost/Resource Use
<b>Inverse Measure</b>	No
<b>Number of rates</b>	2
<b>Overall Performance Rate</b>	Weighted Average
<b>Measure Rate Type</b>	Proportional
<b>Meaningful Measure Area</b>	Appropriate use of Healthcare
<b>NQS Domain</b>	Effective Clinical Care
<b>NQF ID Number</b>	N/A
<b>Risk-Adjusted</b>	No

<b>Measure ID</b>	IGR10
<b>Modality</b>	Transthoracic Echocardiography
<b>Measure Title</b>	Transthoracic Echo (TTE) performance per ASE guidelines
<b>Measure Description</b>	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: <ul style="list-style-type: none"> <li>1. Percentage of TTE studies reporting 100% obtainment of required views.</li> <li>2. Percentage of TTE studies where the study quality was poor or technically difficult that utilized contrast.</li> <li>3. Percentage of TTE studies reporting pulmonary artery pressures.</li> <li>4. Percentage of TTE studies reporting of diastolic function.</li> <li>5. Percentage of TTE studies reporting cardiac function using strain analysis in patients receiving chemotherapy.</li> </ul>

The overall performance will be calculated using a weighted average.

<b>Numerator</b>	<ol style="list-style-type: none"><li>1. Number of denominator eligible studies utilizing 100% of all required views</li><li>2. Number of denominator eligible studies receiving contrast</li><li>3. Number of denominator eligible studies reporting pulmonary artery pressures</li><li>4. Number of denominator eligible studies documenting LV diastolic function or LV filling pressure</li><li>5. Number of denominator eligible studies that include strain analysis</li></ol>
<b>Numerator Exclusions</b>	None
<b>Denominator</b>	<ol style="list-style-type: none"><li>1. Number of Transthoracic Echo (TTE) studies performed on patients 18 years of age or older.</li><li>2. Number of Transthoracic Echo (TTE) studies where the study quality was poor/technically difficult performed on patients 18 years of age or older.</li><li>3. Number of Transthoracic Echo (TTE) studies performed on patients 18 years of age or older.</li><li>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</li><li>5. Number of Transthoracic Echo (TTE) studies for indications involving chemotherapy performed on patients 18 years of age or older</li></ol>
<b>Denominator Exclusions</b>	None
<b>Denominator Exceptions</b>	None
<b>High Priority Status</b>	Yes
<b>Measure Type</b>	Efficiency and Cost/Resource Use
<b>Inverse Measure</b>	No
<b>Number of rates</b>	5
<b>Overall Performance Rate</b>	Weighted Average
<b>Measure Rate Type</b>	Proportional
<b>Meaningful Measure Area</b>	Appropriate use of Healthcare
<b>NQS Domain</b>	Efficiency and Cost Reduction
<b>NQF ID Number</b>	N/A
<b>Risk-Adjusted</b>	No

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