
The American College of Radiology

General Radiology
Improvement Database
(GRID)

Measures

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American College of Radiology
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GRID Measures

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GRID Measures

Annual Measures

Magnet Incidents

Data Elements	Clinical Performance Measure
Per Facility, Per Year	Measure: Number of magnet incidents.
Magnet incidents	

Cases of NSF

Data Elements	Clinical Performance Measure
Per Facility, Per Year	Measure: Number of NSF cases
Cases of NSF	

Rate of Attended Falls

Data Elements	Clinical Performance Measure
Per Facility, Per Year	Numerator: Attended falls in radiology department
Total number of all procedures	Denominator: (Total number of all procedures) / 1000
Attended falls in radiology department	Measure: Number of attended falls in the radiology department per 1,000 procedures performed

Rate of Unattended Falls

Data Elements	Clinical Performance Measure
Per Facility, Per Year	Numerator: Unattended falls in radiology department
Total number of all procedures	Denominator: (Total number of all procedures) / 1000
Unattended falls in radiology department	Measure: Number of unattended falls in the radiology department per 1,000 procedures performed

Rate of Deaths

Data Elements	Clinical Performance Measure
Per Facility, Per Year	Numerator: Deaths in radiology department
Total number of all procedures	Denominator: (Total number of all procedures) / 1000
Deaths in radiology department	Measure: Number of deaths in the radiology department per 1,000 procedures performed

GRID Measures

Rate of Code Blues

Data Elements	Clinical Performance Measure
Per Facility, Per Year Total number of all procedures Code blues in radiology department	Numerator: Code blues in radiology department Denominator: (Total number of all procedures) / 1000 Measure: Number of code blues in the radiology department per 1,000 procedures performed

Rate of Nosocomial Infections

Data Elements	Clinical Performance Measure
Per Facility, Per Year Total number of all procedures Nosocomial Infections in radiology department	Numerator: Nosocomial infections in radiology department Denominator: (Total number of all procedures) / 1000 Measure: Number of nosocomial infections in the radiology department per 1,000 procedures performed

Rate of Wrong Exams

Data Elements	Clinical Performance Measure
Per Facility, Per Year Total number of all procedures Wrong exam	Numerator: Wrong exam Denominator: (Total number of all procedures) / 1000 Measure: Number of wrong exams per 1,000 procedures performed

Rate of Exams on Wrong Patient

Data Elements	Clinical Performance Measure
Per Facility, Per Year Total number of all procedures Wrong patient	Numerator: Wrong patient Denominator: (Total number of all procedures) / 1000 Measure: Number of exams performed on the wrong patient per 1,000 procedures performed

Rate of Exams on Wrong Site

Data Elements	Clinical Performance Measure
Per Facility, Per Year Total number of all procedures Wrong site	Numerator: Wrong site Denominator: (Total number of all procedures) / 1000 Measure: Number of exams performed on the wrong site per 1,000 procedures performed

Process Measures

Patient Wait Time

Data Elements	Clinical Performance Measure
<p>Per Facility, Per Month</p> <p>Patient wait time in minutes:</p> <ul style="list-style-type: none"> • Mean • Median <p>Modalities:</p> <ul style="list-style-type: none"> • Radiography • Ultrasound (excluding breast ultrasound) • MRI without oral contrast • CT without oral contrast • PET 	<p>Measure: Mean patient wait time by modality</p> <p>Measure: Median patient wait time by modality</p>

Time from Order to Exam

Data Elements	Clinical Performance Measure
<p>Per Facility, Per Month</p> <p>Time from order to exam for inpatient stat CT exams</p> <ul style="list-style-type: none"> • Mean • Median <p>Time from order to exam for inpatient routine CT exams</p> <ul style="list-style-type: none"> • Mean • Median 	<p>Measure: Mean time from order to exam by exam type</p> <p>Measure: Median time from order to exam by exam type</p>

GRID Measures

Reacquisition Rate

Data Elements	Clinical Performance Measure
<p>Per Facility, Per Month Per Physician, Per Month</p> <p>Number of digital radiography exams</p> <p>Number of digital radiography exams that had to be repeated and resulted in additional exposure to the patient</p>	<p>Numerator: Number of digital radiography exams that had to be repeated and resulted in additional exposure to the patient</p> <p>Denominator: Number of digital radiography exams</p> <p>Measure: Percentage of digital radiography exams that had to be repeated and resulted in additional exposure to the patient, by facility and by physician</p>

Report Turnaround Time

Data Elements	Clinical Performance Measure
<p>Per Facility, Per Month Per Physician, Per Month</p> <p>Report turnaround time</p> <ul style="list-style-type: none"> • Number of exams completed • Number of exams with report signed < 12 hours later • Number of exams with report signed ≥ 12 hours later and < 24 hours later • Number of exams with report signed ≥ 24 hours later and < 48 hours later <p>Modalities:</p> <ul style="list-style-type: none"> • Radiography • Ultrasound (excluding breast ultrasound) • MRI • CT • PET 	<p>Numerator 1: Number of exams with report signed < 12 hours later</p> <p>Numerator 2: Number of exams with report signed ≥ 12 hours later and < 24 hours later</p> <p>Numerator 3: Number of exams with report signed ≥ 24 hours later and < 48 hours later</p> <p>Numerator 4: Number of exams with report signed ≥ 48 hours later</p> <p>Denominator: Number of exams completed</p> <p>Measure 1: Percentage of exams with reports signed less than 12 hours later, by facility, physician and modality</p> <p>Measure 2: Percentage of exams with reports signed between 12 and 24 hours later, by facility, physician and modality</p> <p>Measure 3: Percentage of exams with reports signed between 24 and 48 hours later, by facility, physician and modality</p> <p>Measure 4: Percentage of exams with reports signed more than 48 hours later, by facility, physician and modality</p>

Outcome Measures

Rate of Non-diagnostic Liver Biopsies

Data Elements	Clinical Performance Measure
<p>Per Facility, Per Month Per Physician, Per Month</p> <p>Liver biopsies performed by radiologists</p> <p>Liver biopsies performed by radiologists reported as non-diagnostic</p>	<p>Numerator: Liver biopsies performed by radiologists reported as non-diagnostic</p> <p>Denominator: Liver biopsies performed by radiologists</p> <p>Measure: Percentage of liver biopsies performed by radiologists that were non-diagnostic, by facility and physician</p>

Rate of Non-diagnostic Lung Biopsies

Data Elements	Clinical Performance Measure
<p>Per Facility, Per Month Per Physician, Per Month</p> <p>Lung biopsies performed by radiologists</p> <p>Lung biopsies performed by radiologists reported as non-diagnostic</p>	<p>Numerator: Lung biopsies performed by radiologists reported as non-diagnostic</p> <p>Denominator: Lung biopsies performed by radiologists</p> <p>Measure: Percentage of lung biopsies performed by radiologists that were non-diagnostic, by facility and physician</p>

Rate of Lung Biopsies Resulting in Pneumothorax Requiring Chest Tube

Data Elements	Clinical Performance Measure
<p>Per Facility, Per Month Per Physician, Per Month</p> <p>Lung biopsies performed by radiologists</p> <p>Lung biopsies performed by radiologists resulting in pneumothorax requiring chest tube</p>	<p>Numerator: Lung biopsies performed by radiologists resulting in pneumothorax requiring chest tube</p> <p>Denominator: Lung biopsies performed by radiologists</p> <p>Measure: Percentage of lung biopsies performed by radiologists resulting in pneumothorax requiring chest tube, by facility and physician</p>

GRID Measures

Rate of Non-concordant Stereotactic Breast Biopsies

Data Elements	Clinical Performance Measure
<p data-bbox="235 296 472 411">Per Facility, Per Month Per Physician, Per Month</p> <p data-bbox="235 443 464 499">Stereotactic breast biopsies performed</p> <p data-bbox="235 531 464 680">Stereotactic breast biopsies performed which were non-concordant with imaging findings</p>	<p data-bbox="537 296 1344 352">Numerator: Stereotactic breast biopsies performed which were non-concordant with imaging findings</p> <p data-bbox="537 384 1174 411">Denominator: Stereotactic breast biopsies performed</p> <p data-bbox="537 443 1357 499">Measure: Percentage of stereotactic breast biopsies which were non-concordant with imaging findings, by facility and physician</p>