CEDR 2018 QCDR Measures for CMS 2018 MIPS Performance Year Reporting

| Measure \# | Measur Title | Measure Description | nas Domain | Numerator | Denominator | Denominator Exclusions/Exceptions | Measure Type | Rationale/vidence | Notes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ACEP19 | Emergency Department Utilization of CT for Minor Blunt Head Trauma for Patients Aged 18 Years and Older |  | Efficiency \& Cost Reduction | visits for patients who have an indication for head CT | All emergency department visits for patients aged 18 years and older who presented with a minor blunt head trauma who had a head CT for trauma ordered by an emergency care | Patients with any of the following: <br> - Ventricular shunt <br> - Brain tumor <br> - Multisystem trauma <br> - Pregnancy <br> - Currently taking antiplatelet <br> medications | Process | About 2.5 million traumatic brain injuries occur each year, where $75 \%$ of these are considered mild. There is data to suggest that $70 \%$ of head njury patients receive a head CT 4, and it is estimated that $10-35 \%$ of head CTs obtained in head injury patients do not follow recognized guidelines 5 Some estimate that as many as $55,000-194,000$ CT scans are possibly avoidable annually. |  |
| ACEP20 | Emergency Department Utilization of CT for Minor Blunt Head Trauma for Patients Aged 2 Through 17 Years | Percentage of emergency department visits for patients aged 2 through 17 years who presented with a minor blunt head trauma who had a head CT for trauma ordered by an emergency care provider who are classified as low risk according to the PECARN prediction rules for traumatic brain injury | Efficiency \& Cost Reduction | Emergency department visits for patients who are classified as low risk according to the Pediatric Emergency Care Applied Research Network (PECARN) prediction rules for traumatic brain injury | All emergency department visits for patients aged 2 through 17 years who presented with a minor blunt head trauma who had a head CT for trauma ordered by an emergency care provider | Patients with any of the following: <br> - Ventricular shunt <br> - Brain tumor <br> - Coagulopathy <br> - Thrombocytopenia | Process | This measure is an overuse measure - its intention is to capture those instances in which a pediatric patient is characterized as low risk yet still eceives a CT. As such, the measure is scored such that a lower score indicates better quality. The measure is constructed in this manner due ot the available evidence; the PECARN clinical policy defines the lowrisk population, but does not clearly define the medium and high risk populations. The measure then uses the definable population as its numerator, necessitating an "overuse" construction | Inverse Measure |
| ACEP21 | Coagulation Studies in Patients Presenting with Chest Pain with No Coagulopathy or Bleeding | Percentage of emergency department visits for patients aged 18 years and older with an emergency department discharge diagnosis of chest pain during which coagulation studies were ordered by an emergency care provider | Efficiency \& Cost Reduction | Emergency department visits during which coagulation studies (PT PTT, or INR tests) were ordered by an provider | All emergency department visits for patients age 18 years and older with an emergency department discharge diagnosis of chest pain | Patients with any of the following clinical indications for ordering coagulation studies: <br> - End stage liver disease <br> - Coagulopathy <br> - Thrombocytopenia <br> - Currently taking or newly prescribed <br> anticoagulant medications <br> - Pregnancy <br> - Pulmonary or gastrointestinal <br> hemorrhage <br> - Atrial fibrillation <br> - Inability to obtain medical history <br> - Trauma <br> - Patient who left before treatment completion | rocess | Coagulation studies are often ordered out of habit as part of a blood panel with little value added to the patient. Ensuring that clinicians are purposefully ordering these studies may lead to significant reduction in resource utilization without any decrease in value of healthcare provided to the patient. | nverse Measure |
| ACEP22 | Appropriate Emergency Department Utilization of CT for Pulmonary Embolism | Percentage of emergency department visits during which patients aged 18 years and older had a CT pulmonary angiogram (CTPA) ordered by an emergency care provider, regardless of discharge disposition, with either moderate or high pre-test clinical probability for pulmonary embolism OR positive result or elevated Ddimer level | Efficiency \& Cost Reduction | Emergency department visits for patients with either: <br> 1. Moderate or high pretest clinical probability for OR pulmonary embolism <br> 2. Positive result or elevated D-dimer level | All emergency department visits during which patients aged 18 years and older had a CT pulmonary angiogram (CTPA) ordered by an emergency care provider, regardless of discharge disposition | - Pregnant patients; <br> - Medical reason for ordering a CTPA <br> without moderate or high pre-test clinical probability for PE AND no positive result or elevated D-dimer level (eg, CT ordered for aortic dissection) | Process | The goal of this measure is to reduce the inappropriate ordering of CTPA for pulmonary embolism based on pre-test probability estimation. This measure does not require utilization of a structured clinical prediction rule such as the Wells Score or Geneva Score, however the measure aims to improve efficiency by guiding clinical practice towards use of the PERC rule or d-dimer testing rather than immediate CTPA in low probability patients as indicated. |  |
| ACFP24 | Pregnancy Test for Female Abdominal Pain Patients | Percentage of emergency department visits for female patients aged 14 through 50 years old who present to the ED with a chief complaint of abdominal pain who have had a pregnancy test (urine or serum) ordered | Patient Safety | Emergency department visist for patients who have had a pregnancy test (urine or serum) ordered | All emergency department visits for ferale patients aged 14 through 50 years old who present to the ED whit a chief complaint of abdominal pain | Patients who have had a hysterectomy <br> Patients who are currently pregnant | Process | Use of the measure can eliminate the risk of the physician failing to diagnose a patient's pregnancy, thereby reducing the possibility that a patient with ectopic pregnancy is not identified. Pregnancy testing is recommended in the Emergency Department for females who might be pregnant because clinical history is unreliable (Ann Emerge Med 1989). The importance of pregnancy diagnosis is particularly true in patients with abdominal pain and/or prior to radiologic procedures where ailure to diagnose pregnancy is a risk to the woman and her unborn child. |  |

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| ACEP32 | ED Median Time from ED arrival to ED departure for discharged ED patients for Adult Patients Adult Patients | Time (in minutes) from ED arrival to ED departure for discharged patients for Adult Patients (Excluding Psych and Mental Health, and Transfer Patients) | Person and CaregiverCentered Experience and Outcomes | Time (in minutes) from <br> ED arrival to ED <br> departure for <br> discharged Adult <br> patients | All Emergency Department encounters for patients aged 18 the ED | - Transfers <br> - Psychiatric and mental health <br> patients <br> - Patients who expired in the <br> emergency department | Outcome | Reducing the time patients remain in the emergency department (ED) an improve access to treatment and increase quality of care. Reducing his time potentially improves access to care specific to the patient condition and increases the capability to provide additional treatment. ED crowding may result in delays in the administration of medication such as antibiotics for pneumonia and has been associated with perceptions of compromised emergency care. For patients with non-ST segment-elevation myocardial infarction, long ED stays were associated with decreased use of guideline-recommended therapies and a higher risk of recurrent myocardial infarction. When EDs are overwhelmed, heir ability to respond to community emergencies and disasters may be compromised. | Inverse Measure |
| ACEP33 | ED Median Time from ED arrival to ED departure for discharged ED patients for Adult Patients in Supercenter EDs (80k +) | Time (in minutes) from ED arrival to ED departure for discharged patients for Adult Patients in Supercenter EDs (80k+) | Person and CaregiverCentered Experience and Outcomes | Time (in minutes) from ED arrival to ED departure for discharged Adult patients | encounters for patients aged 18 the ED | - Transfers <br> - Psychiatric and mental health <br> patients <br> - Patients who expired in the <br> emergency department | Outcome |  | Inverse Measure |
| ACEP35 | ED Median Time from ED arrival to ED departure for discharged ED patients for Adult Patients in High Volume EDs (60k-79,999) | Time (in minutes) from ED arrival to ED departure for discharged patients for Adult Patients in High Volume Eds (60K-79,999) | Person and Caregiver Centered Experience and Outcomes | Time (in minutes) from <br> ED arrival to ED departure for discharged Adult patients | All Emergency Department encounters for patients aged 18 years and older discharged from the ED | - Transfers <br> - Psychiatric and mental health <br> patients <br> - Patients who expired in the <br> emergency department | Outcome |  | Inverse Measure |
| ACEP36 | ED Median Time from ED arrival to ED departure for discharged ED patients for Adult Patients in Average volume EDs ( 40 k -59,999) | Time (in minutes) from ED arrival to ED departure for discharged patients for Adult Patients in Average Volume EDs (40k-59,999) | Person and Caregiver Centered Experience and Outcomes | Time (in minutes) from <br> ED arrival to ED <br> departure for <br> discharged Adult <br> patients | All Emergency Department encounters for patients aged 18 years and older discharged from the ED | - Transfers - Psychiatric and mental health patients - Patitents who expired in the emergency department | Outcome |  | Inverse Measure |

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