Emergency Department Measures

The following tables list all the measures currently available in Clinical Analytics for Emergency Department Encounters (ED).

ED Comorbidity Measures

These measures help identify patients with additional health factors; encounters are flagged by the AHRQ grouper software. All comorbidity measures have undeterminable polarity.

Measure Name	All Payer Benchmarks?	Medicare Benchmarks?
Heart Attack Case	Yes	Yes
Heart Failure Case	Yes	Yes
Pneumonia Case	Yes	Yes
Septicemia Case	Yes	Yes
Stroke Case	Yes	Yes
VTE Case	No	Yes

ED Knowledge Measures

These measures help monitor the usage levels of certain services. Low values are desirable for all Knowledge measures.

Measure Name	All Payer Benchmarks?	Medicare Benchmarks?
Usage - Blood Use	No	Yes
Usage - CT Use	No	Yes
Usage - MRI Use	No	Yes
Usage - Occupational Therapy Use	No	No
Usage - Physical Therapy Use	No	No
Usage - Respiratory Therapy Use	No	No
Usage - Speech Therapy Use	No	No
Usage - PT, OT and Speech Therapy Use	No	Yes
Usage - Radiology Use	No	Yes

ED Quality Measures

These measures help you track typical patient outcomes, such as readmissions and mortality, as well as core measures data from your 3rd party vendor.

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Measure Name	All Payer Benchmarks?	Medicare Benchmarks?
Mortality Rate	No	No
Mortality without Palliative Rate	No	No
Mortality Rate (with Exclusions)	Yes	Yes
Mortality without Palliative Rate (with Exclusions)	Yes	Yes
OP - 8 MRI Lumbar Spine for Low Back Pain	No	No
OP - 9 Mammography Follow-Up Rates	No	No
OP - 10 Abdomen CT Use of Contrast Material	No	No
OP - 11 Thorax CT - Use of Contrast Material	No	No
OP - 12 The Ability for Providers with HIT to Receive Laboratory Data Electronically Directly into their ONC-Certified EHR System as Discrete Searchable Data	No	No
OP - 13 Cardiac Imaging for Preoperative Risk Assessment for Non-Cardiac Low-Risk Surgery	No	No
OP - 14 Simultaneous Use of Brain Computed Tomography (CT) and Sinus CT	No	No
OP-15 Use of Brain Computed Tomography (CT) in the ED for Atraumatic Headache	No	No
OP - 17 Tracking Clinical Results between Visits	No	No
OP-18a Median Time from ED Arrival to ED Departure for Discharged ED Patients - Overall Rate	No	No
OP-18b Median Time from ED Arrival to ED Departure for Discharged ED Patients - Reporting Measure	No	No
OP-18c Median Time from ED Arrival to ED Departure for Discharged ED Patients - Psychiatric/Mental Health Patients	No	No
OP-18d Median Time from ED Arrival to ED Departure for Discharged ED Patients - Transfer Patients	No	No
OP-20 Door to Diagnostic Evaluation by a Qualified Medical Personnel	No	No
OP-21 Median Time to Pain Management for Long Bone Fracture	No	No
OP-22 Left Without Being Seen	No	No

Emergency Department Measures
Release 2021.1

Measure Name	All Payer Benchmarks?	Medicare Benchmarks?
OP-23 Head CT or MRI Scan Results for Acute Ischemic Stroke or Hemorrhagic Stroke Patients who Received Head CT or MRI Scan Interpretation Within 45 Minutes of ED Arrival	No	No
Rhogam for Rh-neg pregnant women	No	No
Ultrasound for pregnant abdominal pain (PQRS 254, NQF 0651)	No	No
Systemic Antimicrobial Therapy for AOE (PQRS 93, NQF 0653)	No	No
Topical preparations for AOE (PQRS 91, NQF 0653)	No	No
ECG for syncope (PQR 55, NQF 0093)	No	Yes
ECG for non-traumatic chest pain (PQRS 54, NQF 0090)	No	Yes
ED return (w/in 48 hours)	No	No
Patient Returns Measures		
Hours to Return (Any Patient Type)	No	No
Patient returns within 24 hours (Any Patient Type)	No	No
Patient returns within 48 hours (Any Patient Type)	No	No
Days to Return (Any Patient Type) - Decimal	No	No
Patient returns within 7 days (Any Patient Type)	No	No
Patient returns within 14 days (Any Patient Type)	No	No
Patient returns within 30 days (Any Patient Type)	No	No
Returns to ED Measures		
Hours to Return to ED	No	No
Patient returns to ED within 24 hours	No	No
Patient returns to ED within 48 hours	No	No
Days to Return to ED - Decimal	No	No
Patient returns to ED within 7 days	No	No
Patient returns to ED within 14 days	No	No
Patient returns to ED within 30 days	No	No
Returns to Surgery Measures		
Hours to Return to Surgery	No	No
Patient returns to Surgery within 24 hours	No	No
Patient returns to Surgery within 48 hours	No	No
Days to Return to Surgery - Decimal	No	No

Measure Name	All Payer Benchmarks?	Medicare Benchmarks?
Patient returns to Surgery within 7 days	No	No
Patient returns to Surgery within 14 days	No	No
Patient returns to Surgery within 30 days	No	No

Emergency Department Measures
Release 2021.1

ED Systems Measures

These measures are summary statistics of your patient populations, like gender and admission source.

Measure Name	All Payer Benchmarks?	Medicare Benchmarks?
Number of ED Arrivals	No	Yes
Volume	No	No
Gender - Female	No	No
Gender - Male	No	No
Discharge Disposition Measures		
% of ED patients transferred to another facility	No	Yes
% ED patients admitted as inpatient	No	Yes
% Admitted As an Inpatient to This Hospital	Yes	Yes
% Discharged To Home / Self Care (Routine Discharge)	Yes	Yes
% Discharged / Transferred / Referred To another Institution for Outpatient Services	Yes	Yes
% Discharged / Transferred / Referred To This Institution for Outpatient Services	Yes	Yes
% Discharged / Transferred To Home Care	Yes	Yes
% Discharged / Transferred To a Long Term Care	Yes	Yes
% Discharged / Transferred To a Nursing Facility	Yes	Yes
% Discharged / Transferred To an Inpatient Rehabilitation Facility	Yes	Yes
% Discharged / Transferred To another Type of Institution for Inpatient Care	Yes	Yes
% Discharged / Transferred To Home under Care of a Home IV Drug Therapy Provider	Yes	Yes
% Discharged / Transferred To Intermediate Care Facility	Yes	Yes
% Discharged / Transferred To Other Short Term General Hospital for Inpatient Care	Yes	Yes
% Discharged / Transferred To Skilled Nursing Facility (SNF)	Yes	Yes
% Discharged / Transferred Within This Institution to a Hospital-Based Medicare Approved Swing Bed	Yes	Yes
% Discharged/transferred to a Critical Access Hospital (CAH)	Yes	Yes
% Discharged/transferred to a federal hospital	Yes	Yes
% Discharged/Transferred to a psychiatric hospital or psychiatric distinct unit of a hospital	Yes	Yes

Measure Name	All Payer Benchmarks?	Medicare Benchmarks?
% Expired - At Home (Hospice Claims Only)	Yes	Yes
% Expired - Did Not Recover (Christian Science Patient)	Yes	Yes
% Expired - In a Medical Facility Such as Hospital, SNF, ICF, or Freestanding Hospice	Yes	Yes
% Expired - Place Unknown (Hospice Claims Only)	Yes	Yes
% Hospice - Home	Yes	Yes
% Hospice - Medical Facility	Yes	Yes
% Left Against Medical Advice or Discontinued Care	Yes	Yes
% Still Patient	Yes	Yes

Emergency Department Measures
Release 2021.1

ED Throughput Measures

These measures help you track encounter times through your Emergency Department. Time stamp data are required for these measures.

Measure Name	All Payer Benchmarks?	Medicare Benchmarks?
ED waiting time	No	Yes
Triage Time to First Provider Contact Time	No	Yes
Excessive Boarding Times	No	Yes
Admitted/transferred ED patient with LOS >= 6 hours	No	Yes
Total ED Time	No	Yes
ED Treatment Time	No	Yes
ED Decision to Discharge Time	No	Yes
Hours to Return ED Visit	No	Yes

ED Utilization Measures

These measures help you analyze patient days, LOS, and costs/charges throughout your facility.

Measure Name	All Payer Benchmarks?	Medicare Benchmarks?
Observation Hours	No	No
Patient Stayed Two Midnights	No	Yes
ED Acuity Level Measures		
% of ED patients with Acuity Level 5	No	Yes
% of ED patients with Acuity Level 4	No	Yes
% of ED patients with Acuity Level 3	No	Yes
% of ED patients with Acuity Level 2	No	Yes
% of ED patients with Acuity Level 1	No	Yes
Charges Measures		
Charges - Total	No	Yes
Charges - Ambulance	No	Yes
Charges - Anesthesiology	No	Yes
Charges - Blood Administration	No	Yes
Charges - Blood Use	No	Yes
Charges - Cardiology	No	Yes
Charges - Clinic Visit	No	Yes
Charges - Durable Medical Equipment	No	Yes
Charges - Emergency Department	No	Yes
Charges - ESRD Revenue Setting	No	Yes
Charges - Labor and Delivery	No	Yes
Charges - Laboratory and Pathology	No	Yes
Charges - Lithotripsy	No	Yes
Charges - Medical/Surgical Supplies	No	Yes
Charges - MRI	No	Yes
Charges - Nuclear Medicine	No	Yes
Charges - Nursery and NICU	No	Yes
Charges - Occupation Therapy	No	Yes
Charges - Oncology	No	Yes
Charges - Operating Room and Labor & Delivery	No	Yes
Charges - Organ Acquisition	No	Yes

Emergency Department Measures
Release 2021.1

Measure Name	All Payer Benchmarks?	Medicare Benchmarks?
Charges - Other	No	Yes
Charges - Other Not Including Nursery and NICU and Psych	No	Yes
Charges - Outpatient Services	No	Yes
Charges - Pathology	No	Yes
Charges - Pharmacy	No	Yes
Charges - Physical Therapy	No	Yes
Charges - Professional Fee	No	Yes
Charges - Psych Services	No	Yes
Charges - Radiology and CT Scan	No	Yes
Charges - Radiology, CT, Oncology & Nuclear Med.	No	Yes
Charges - Respiratory Services	No	Yes
Charges - Respiratory Therapy	No	Yes
Charges - Speech Pathology	No	Yes
Charges - Therapy: Physical, Occupational, Speech	No	Yes
Charges - Used Durable Medical Equipment	No	Yes
Cost Measures		
Cost - Total	No	Yes
Cost - Ambulance	No	Yes
Cost - Anesthesiology	No	Yes
Cost - Blood Administration	No	Yes
Cost - Blood Use	No	Yes
Cost - Cardiology	No	Yes
Cost - Clinic Visit	No	Yes
Cost - Durable Medical Equipment	No	Yes
Cost - Emergency Department	No	Yes
Cost - ESRD Revenue Setting	No	Yes
Cost - Intermediate ICU/CCU	No	Yes
Cost - Labor and Delivery	No	Yes
Cost - Laboratory and Pathology	No	Yes
Cost - Lithotripsy	No	Yes

Measure Name	All Payer Benchmarks?	Medicare Benchmarks?
Cost - Medical/Surgical Supplies	No	Yes
Cost - MRI	No	Yes
Cost - Nuclear Medicine	No	Yes
Cost - Nursery and NICU	No	Yes
Cost - Occupation Therapy	No	Yes
Cost - Oncology	No	Yes
Cost - Operating Room and Labor & Delivery	No	Yes
Cost - Organ Acquisition	No	Yes
Cost - Other	No	Yes
Cost - Other Not Including Nursery and NICU and Psych	No	Yes
Cost - Outpatient Services	No	Yes
Cost - Pathology	No	Yes
Cost - Pharmacy	No	Yes
Cost - Physical Therapy	No	Yes
Cost - Professional Fee	No	Yes
Cost - Psych Services	No	Yes
Cost - Radiology and CT Scan	No	Yes
Cost - Radiology, CT, Oncology & Nuclear Med.	No	Yes
Cost - Respiratory Services	No	Yes
Cost - Respiratory Therapy	No	Yes
Cost - Speech Pathology	No	Yes
Cost - Therapy: Physical, Occupational, Speech	No	Yes
Cost - Used Durable Medical Equipment	No	Yes
Total Indirect Costs	No	Yes
Total Direct Costs	No	Yes
Total Variable Costs	No	No
Total Fixed Costs	No	No
Other Utilization Measures		
LOS (hours)	No	Yes
Contractual Allowance and Adjustments	No	No

Measure Name	All Payer Benchmarks?	Medicare Benchmarks?
Number of Consultants	No	Yes
Expected Payment	No	No
Total Actual Payment	No	No
Expected Net Income	No	No
Net Income	No	No
Expected Contribution Margin	No	No
Contribution Margin	No	No
Medicare Contribution Margin	No	No
Medicare Net Income	No	No
Medicare Reimbursement	No	No

Emergency Department Measures
Release 2021.1

ED Payments & Adjustments Measures

These measures are based on the Transaction Type specified in your billing data.

Measure Name	All Payer Benchmarks?	Medicare Benchmarks?
Final Billed	No	No
Patient Payment at POS	No	No
Patient Pay Write-Off	No	No
Charity Care	No	No
Other Adjustments	No	No
Payments - Patient	No	No
Payments - Insurance	No	No
Payments - Total	No	No
Contractual Allowance	No	No
Denials	No	No
Payments - Other	No	No
Employee Discount	No	No
Self-Pay Discount	No	No
Not Covered by Insurance	No	No

ED Revenue Cycle Measures

These measures are based on billing data sent to Axiom Clinical Analytics.

Measure Name	All Payer Benchmarks?	Medicare Benchmarks?
Aging Category (366+)	No	No
Aging Category (181-365)	No	No
Aging Category (151-180)	No	No
Aging Category (121-150)	No	No
Aging Category (91-120)	No	No
Aging Category (61-90)	No	No
Aging Category (31-60)	No	No
Aging Category (0-30)	No	No
Aging Category - Closed to Zero Balance	No	No
Zero Balance Age (in Days)	No	No
Open Balance	No	No
Credit Balance	No	No

Emergency Department Measures
Release 2021.1