

Meaningful Use (MU) Clinical Quality Measures for Eligible Hospitals and Critical Access Hospitals

Attestation for ED-1 and ED-2: Determining Denominator, Numerator and Exclusion Data to Report As of July 13, 2011

ED-1 / NQF 495: Emergency Department-Median Time from ED arrival to ED departure for Admitted Patients

The following screen shot is from the CMS published Hospital Attestation User Guide:

The screenshot displays the Medicare & Medicaid EHR Incentive Program Registration and Attestation System interface. The page title is "Clinical Quality Measures" and the current section is "Questionnaire: (1 of 15)". A red asterisk indicates a required field. The questionnaire is for NQF 0495, Emergency Department (ED)-1. The title is "Emergency Department Throughput - admitted patients Median time from ED arrival to ED departure for admitted patients." The description is "Median time from emergency department arrival to time of departure from the emergency room for patients admitted to the facility from the emergency department." The ED-1.1: All ED patients admitted to the facility from the ED. The denominator is "All ED patients admitted to the facility from the ED. A positive whole number." The numerator is "Median time (in minutes) from ED arrival to ED departure for patients admitted to the facility from the ED. A positive whole number." The exclusion is "Observation & Mental Health Patients. A positive whole number." The input fields are: *Denominator: 100, *Numerator: 99, *Exclusion: 1. The ED-1.2: Observation ED patient stratification. The denominator is "ED Observation patients admitted to the facility from the ED. A positive whole number." The numerator is "Median time (in minutes) from ED arrival to ED departure for patients admitted to the facility from the ED. A positive whole number." The input fields are: *Denominator: 100, *Numerator: 99. The ED-1.3: Dx stratification ED patients. The denominator is "ED patients with a Dx of Psychiatric or Mental Health Disorder admitted to the facility from the ED. A positive whole number." The numerator is "Median time (in minutes) from ED arrival to ED departure for patients admitted to the facility from the ED. A positive whole number." The input fields are: *Denominator: 100, *Numerator: 99. At the bottom, there are buttons for "PREVIOUS PAGE" and "SAVE AND CONTINUE".

When running an ED-1 report in the Meaningful Use reporting system, select the option to run the report with patient lists for All Patients. An example of the applicable MU report output sections follows.

Tabular Section:

ED-1: Median Time/ED Arrival to ED Departure/Admitted Patients, NQF 0495/ED-1

	REPORT PERIOD	%	PREV YR PERIOD	%	CHG FROM PREV YR	BASE YR	%	CHG BASE %
Median Elpsd Time (min) BTW ED Arrival & ED Departure - All ED Pts Excl Pts w/Mental Disorder or Observation Status	120		0		120	0		120
Median Elpsd Time (min) BTW ED Arrival & ED Departure - ED Observation Status Pts only	127		0		127	0		127
Median Elpsd Time (min) BTW ED Arrival & ED Departure - ED Mental Disorder Pts only	173		0		173	0		173

Patient Lists:

A) All ED patients excluding patients with mental disorders or placed into observation status

PATIENT NAME	HRN	COMMUNITY	SEX	AGE	DENOMINATOR	NUMERATOR
MUHM-EDIPO,OTHER	700013	ALASKA	UNK	M	55	N/A
MUHM-EDIPQ,OTHER	700015	ALASKA	UNK	F	51	N/A
MUHM-EDIPR,OTHER	700016	CHIPPEWA	F	M	55	N/A
MUHM-EDIPS,OTHER	700017	ALASKA	UNK	M	45	N/A
MUHM-EDIPP,OTHER	700014	ALASKA	UNK	F	66	N/A

Total # of ED visits on list: 5

B) ED patients placed into observation status

PATIENT NAME	HRN	COMMUNITY	SEX	AGE	DENOMINATOR	NUMERATOR
MUHM-EDIPH,OBSV	700007	PHOENIX	F	55	N/A	OS:134 10/01/10
MUHM-EDIPB,DXPSY	700002	ALASKA	UNK	M	44	N/A
MUHM-EDIPJ,OBSV	700009	PHOENIX	F	55	N/A	OS:30 10/15/10
MUHM-EDIPK,OBSV	700010	ALASKA	UNK	M	56	N/A
MUHM-EDIPL,OBSV	700011	ALASKA	UNK	F	48	N/A
MUHM-EDIPI,OBSV	700008	PHOENIX	M	61	N/A	OS:58 12/31/10

Total # of ED visits on list: 6

C) ED patients with a mental disorder

PATIENT NAME	HRN	COMMUNITY	SEX	AGE	DENOMINATOR	NUMERATOR
MUHM-EDIPB,DXPSY	700002	ALASKA	UNK	M	44	N/A
MUHM-EDIPA,DXPSY	700001	ALASKA	UNK	F	55	N/A
MUHM-EDIPD,DXPSY	700004	ALASKA	UNK	F	18	N/A
MUHM-EDIPE,DXPSY	700005	PHOENIX	M	75	N/A	MD:212 12/15/10

Total # of ED visits on list: 4

For ED-1.1: All ED patients admitted to the facility from the ED

Numerator:

Using the Tabular Section of the report, take the median time from the REPORT PERIOD column for the first row of data. In the above example the numerator value is 120:

Median Elpsd Time (min)	120	0	120	0	120
BTW ED Arrival & ED Departure - All ED Pts Excl Pts w/Mental Disorder or Observation Status					

Denominator:

Using the Patient Lists, add the 3 totals lines for A), B) and C). In the above example the denominator value is $5 + 6 + 4 = 15$

A) All ED patients excluding patients with mental disorders or placed into observation status

Total # of ED visits on list: 5

B) ED patients placed into observation status

Total # of ED visits on list: 6

C) ED patients with a mental disorder

Total # of ED visits on list: 4

Exclusion:

Using the Patient Lists, add the 2 totals lines for B) and C). In the above example the exclusion value is $6 + 4 = 10$

B) ED patients placed into observation status

Total # of ED visits on list: 6

C) ED patients with a mental disorder

Total # of ED visits on list: 4

For ED-1.2: Observation ED patient stratification

Numerator:

Using the Tabular Section of the report, take the median time from the REPORT PERIOD column for the second row of data. In the above example the numerator value is 127:

Median Elpsd Time (min)	127	0	127	0	127
BTW ED Arrival & ED Departure - ED Observation Status Pts only					

Denominator:

Using the Patient Lists, take the count from the "Total # of ED visits on list" for B). In the above example the denominator value is 6.

B) ED patients placed into observation status

Total # of ED visits on list: 6

For ED-1.3: Dx stratification ED patients

Numerator:

Using the Tabular Section of the report, take the median time from the REPORT PERIOD column for the third row of data. In the above example the numerator value is 173.

Median Elpsd Time (min)	173	0	173	0	173
BTW ED Arrival & ED Departure -					
ED Mental Disorder Pts only					

Denominator:

Using the Patient Lists, take the count from the "Total # of ED visits on list" for C). In the above example the denominator value is 4.

C) ED patients with a mental disorder
Total # of ED visits on list: 4

ED-2 / NQF 497: Emergency Department-Median Time from Admit Decision Time to ED Departure Time for Admitted Patients

The following screen shot is from the CMS published Hospital Attestation User Guide:

The screenshot displays the Medicare & Medicaid EHR Incentive Program Registration and Attestation System interface. At the top left is the HR Incentive Program logo. The main header reads "Medicare & Medicaid EHR Incentive Program Registration and Attestation System". Navigation links include Home, Help, and Log Out. A secondary navigation bar contains Home, Registration, Attestation (highlighted), Status, and Account Management. The main content area is titled "Clinical Quality Measures" and "Questionnaire: (2 of 15)". A note states: "(*) Red asterisk indicates a required field." The questionnaire is for "NQF 0497, Emergency Department (ED)-2".

Title: Emergency Department Throughput - admitted patients
Admission decision time to ED departure time for admitted patients.

Description: Median time from admit decision time to time of departure from the emergency department of emergency department patients admitted to inpatient status.

ED-2.1: All ED patients admitted to inpatient status

Denominator: All ED patients admitted to the facility from the ED. A positive whole number.

Numerator: Median time (in minutes) from admit decision time to time of departure from the ED for patients admitted to inpatient status. A positive whole number.

Exclusion: Observation & Mental Health Patients. A positive whole number.

*Denominator: *Numerator: *Exclusion:

ED-2.2: Observation ED patient stratification

Denominator: ED Observation patients admitted to the facility from the ED. A positive whole number.

Numerator: Median time (in minutes) from admit decision time to time of departure from the ED for patients admitted to inpatient status. A positive whole number.

*Denominator: *Numerator:

ED-2.3: Dx stratification ED patients

Denominator: ED patients with a Principal Dx of Psychiatric or mental health disorder admitted to the facility from the ED. A positive whole number.

Numerator: Median time (in minutes) from admit decision time to time of departure from the ED for patients admitted to inpatient status. A positive whole number.

*Denominator: *Numerator:

Please select the **PREVIOUS PAGE** button to go back or the **SAVE & CONTINUE** button to proceed.

When running an ED-2 report in the Meaningful Use reporting system, select the option to run the report with patient lists for All Patients. An example of the applicable MU report output sections follows.

Tabular Section:

ED-2: Median Time/ED Admit Decision to ED Departure/Admitted Patients, NQF 0497/ED-2

	REPORT PERIOD	%	PREV YR PERIOD	%	CHG FROM PREV YR	BASE YR	%	CHG BASE %
Median Elpsd Time (min) BTW ED Admit Decision & ED Departure - All ED Pts Excl Pts w/Mental Disorder or Observation Status	30		0		30	0		30
Median Elpsd Time (min) BTW ED Admit Decision & ED Departure - ED Mental Disorder Pts only	35		0		35	0		35
Median Elpsd Time (min) BTW ED Admit Decision & ED Departure - ED Observation Status Pts only	25		0		25	0		25

Patient Lists:

A) All ED patients excluding patients with mental disorders or placed into observation status

PATIENT NAME	HRN	COMMUNITY	SEX	AGE	DENOMINATOR	NUMERATOR
MUHM-EDIPO,OTHER	700013	ALASKA	UNK	M	55	N/A
MUHM-EDIPQ,OTHER	700015	ALASKA	UNK	F	51	N/A
MUHM-EDIPR,OTHER	700016	CHIPPEWA	F	M	55	N/A
MUHM-EDIPS,OTHER	700017	ALASKA	UNK	M	45	N/A
MUHM-EDIPP,OTHER	700014	ALASKA	UNK	F	66	N/A

Total # of ED visits on list: 5

B) ED patients placed into observation status

PATIENT NAME	HRN	COMMUNITY	SEX	AGE	DENOMINATOR	NUMERATOR
MUHM-EDIPH,OBSV	700007	PHOENIX	F	55	N/A	OS:10
MUHM-EDIPB,DXPSY	700002	ALASKA	UNK	M	44	N/A
MUHM-EDIPJ,OBSV	700009	PHOENIX	F	55	N/A	OS:30
MUHM-EDIPK,OBSV	700010	ALASKA	UNK	M	56	N/A
MUHM-EDIPL,OBSV	700011	ALASKA	UNK	F	48	N/A
MUHM-EDIPI,OBSV	700008	PHOENIX	M	61	N/A	OS:60

Total # of ED visits on list: 6

C) ED patients with a mental disorder

PATIENT NAME	HRN	COMMUNITY	SEX	AGE	DENOMINATOR	NUMERATOR
MUHM-EDIPB,DXPSY	700002	ALASKA UNK	M	44	N/A	MD:10 10/01/10
MUHM-EDIPA,DXPSY	700001	ALASKA UNK	F	55	N/A	MD:20 10/01/10
MUHM-EDIPD,DXPSY	700004	ALASKA UNK	F	18	N/A	MD:30 11/15/10
MUHM-EDIPE,DXPSY	700005	PHOENIX	M	75	N/A	MD:40 12/15/10

Total # of ED visits on list: 4

For ED-2.1: All ED patients admitted to inpatient status

Numerator:

Using the Tabular Section of the report, take the median time from the REPORT PERIOD column for the first row of data. In the above example the numerator value is 30:

Median Elpsd Time (min)	30	0	30	0	30
BTW ED Admit Decision & ED Departure - All ED Pts Excl Pts w/Mental Disorder or Observation Status					

Denominator:

Using the Patient Lists, add the 3 totals lines for A), B) and C). In the above example the denominator value is $5 + 6 + 4 = 15$

A) All ED patients excluding patients with mental disorders or placed into observation status

Total # of ED visits on list: 5

B) ED patients placed into observation status

Total # of ED visits on list: 6

C) ED patients with a mental disorder

Total # of ED visits on list: 4

Exclusion:

Using the Patient Lists, add the 2 totals lines for B) and C). In the above example the exclusion value is $6 + 4 = 10$

B) ED patients placed into observation status

Total # of ED visits on list: 6

C) ED patients with a mental disorder

Total # of ED visits on list: 4

For ED-2.2: Observation ED patient stratification

Numerator:

Using the Tabular Section of the report, take the median time from the REPORT PERIOD column for the second row of data. In the above example the numerator value is 35:

Median Elpsd Time (min)	35	0	35	0	35
BTW ED Admit Decision & ED Departure - ED Mental Disorder Pts only					

Denominator:

Using the Patient Lists, take the count from the "Total # of ED visits on list" for B). In the above example the denominator value is 6.

B) ED patients placed into observation status
Total # of ED visits on list: 6

For ED-2.3: Dx stratification ED patients

Numerator:

Using the Tabular Section of the report, take the median time from the REPORT PERIOD column for the third row of data. In the above example the numerator value is 25.

Median Elpsd Time (min)	25	0	25	0	25
BTW ED Admit Decision & ED Departure - ED Observation Status Pts only					

Denominator:

Using the Patient Lists, take the count from the "Total # of ED visits on list" for C). In the above example the denominator value is 4.

C) ED patients with a mental disorder
Total # of ED visits on list: 4