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

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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:

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          ED:134 10/01/10
MUHM-EDIPQ,OTHER        700015  ALASKA UNK F  51  N/A          ED:30 10/15/10
MUHM-EDIPR,OTHER        700016  CHIPPEWA F M  55  N/A          ED:120 11/15/10
MUHM-EDIPS,OTHER        700017  ALASKA UNK M  45  N/A          ED:212 12/15/10
MUHM-EDIPP,OTHER        700014  ALASKA UNK F  66  N/A          ED:118 12/31/10
```

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          OS:239 10/01/10
MUHM-EDIPJ,OBSV         700009  PHOENIX     F  55  N/A         OS:30 10/15/10
MUHM-EDIPK,OBSV         700010  ALASKA UNK M  56  N/A          OS:120 11/15/10
MUHM-EDIPL,OBSV         700011  ALASKA UNK F  48  N/A          OS:212 12/15/10
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          MD:239 10/01/10
MUHM-EDIPA,DXPSY        700001  ALASKA UNK F  55  N/A          MD:134 10/01/10
MUHM-EDIPD,DXPSY        700004  ALASKA UNK F  18  N/A          MD:120 11/15/10
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:

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	ED:20 10/01/10
MUHM-EDIPQ,OTHER	700015	ALASKA UNK	F	51	N/A	ED:25 10/15/10
MUHM-EDIPR,OTHER	700016	CHIPPEWA F	M	55	N/A	ED:30 11/15/10
MUHM-EDIPS,OTHER	700017	ALASKA UNK	M	45	N/A	ED:35 12/15/10
MUHM-EDIPP,OTHER	700014	ALASKA UNK	F	66	N/A	ED:40 12/31/10

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 10/01/10
MUHM-EDIPB,DXPSY	700002	ALASKA UNK	M	44	N/A	OS:20 10/01/10
MUHM-EDIPJ,OBSV	700009	PHOENIX	F	55	N/A	OS:30 10/15/10
MUHM-EDIPK,OBSV	700010	ALASKA UNK	M	56	N/A	OS:40 11/15/10
MUHM-EDIPL,OBSV	700011	ALASKA UNK	F	48	N/A	OS:50 12/15/10
MUHM-EDIPI,OBSV	700008	PHOENIX	M	61	N/A	OS:60 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          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
```