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| **Mnemonic** | **Description** |  **Catnum(s)** | **Denominator** | **Numerator** |
|  | Total ACS records | 10, 42 | **Includes cases with**:* Date of discharge is >=01/01/15
* The length of stay is <=120 days
* Abstraction was completed, i.e did not fail TVG
 |  |
| **Mnemonic** | **Description** |  **Catnum(s)** | **Denominator** | **Numerator** |
| **ihi61** | **Timely Reperfusion** | **10, 42** | **Includes all cases except:*** **Date of discharge is <01/01/2015**
* **Length of stay is >120 days**
* **principal diagnosis code is not from Table 1.1**
* **patient was involved in a clinical trial relevant to AMI**
* **the patient was a transfer from the inpatient department, outpatient department, emergency/observation department of another hospital, or from an ambulatory surgery center**
* **patients who presented initially to a community hospital** **where he/she received all or part of the first 24 hours of care**
* **patients who were transferred from a community hospital where he/she was an inpatient for ACS**
* **pt was an inpatient when AMI occurred**
* **there is no interpretation of the ECG closest to acute care arrival is documented in the record**
* **the interpretation of the ECG closest to acute care arrival is not ST elevation**
* **Patients who did not receive either fibrinolytics or a PCI**
* **Patients who received fibrinolytics > 360 minutes after arrival**
* **Patients who received fibrinolytics >30 minutes and <=360 minutes after arrival with a documented reason for delay in initiating fibrinolytic therapy**
* **Patients with a PCI documented as not primary**
* **Patients with a PCI > 1440 minutes after arrival**
* **Patients with a PCI > 90 and <= 1440 minutes after arrival with a documented reason for delay in initiating the PCI**
 | Cases Included in the Denominator will pass if:* **One of the following:**
	+ **Fibrinolytic therapy was given**
	+ **The date and time of arrival are valid**
	+ **The date and time of fibrinolytic administration is valid**
	+ **Fibrinolytic therapy was initiated within 30 minutes of acute care arrival**

**OR*** + **A PCI was done (code 00.66 is documented)**
	+ **The date and time of arrival are valid**
	+ **The date and time of the PCI is valid**
	+ **The PCI was done within 90 minutes of acute care arrival**
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| **Mnemonic** | **Description** |  **Catnum(s)** | **Denominator** | **Numerator** |
| *Ihi43j* |  *Reperfusion Fibrinolytic Therapy within in 30 minutes, STEMI* | 10, 42 | Includes all cases except:* Date of discharge is <01/01/2015
* Length of stay is >120 days
* principal diagnosis code is not from Table 1.1
* patient was involved in a clinical trial relevant to AMI
* the patient was a transfer from the inpatient department, outpatient department, emergency/observation department of another hospital, or from an ambulatory surgery center
* patients who presented initially to a community hospital where he/she received all or part of the first 24 hours of care
* patients who were transferred from a community hospital where he/she was an inpatient for ACS
* pt was an inpatient when AMI occurred
* there is no interpretation of the ECG closest to acute care arrival is documented in the record
* the interpretation of the ECG closest to acute care arrival is not ST elevation
* Fibrinolytic administration date and time is > 360 minutes
* Fibrinolytic administration date and time is >=30 and <= 360 minutes after acute arrival date and time AND
* There is a documented reason for delay in initiating fibrinolytic therapy
 | Cases Included in the Denominator will pass if:* Date and time of acute care arrival are valid
* Date and time of initiation of fibrinolytic therapy are valid
* Fibrinolytic administration date and time is >=0 and <= 30 minutes after acute arrival date and time
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| **Mnemonic** | **Description** | **Catnum(s)** | **Denominator** | **Numerator** |
| Ihi11 | Median time to fibrinolysis | 10, 42 | Includes all cases except:* Date of discharge is <01/01/2015
* Length of stay is >120 days
* principal diagnosis code is not from Table 1.1
* Patient was involved in a clinical trial relevant to AMI
* the patient was a transfer from the inpatient department, outpatient department, emergency/observation department of another hospital, or from an ambulatory surgery center
* patients who presented initially to a community hospital where he/she received all or part of the first 24 hours of care
* patients who were transferred from a community hospital where he/she was an inpatient for ACS
* pt was an inpatient when AMI occurred
* there is no interpretation of the ECG closest to acute care arrival is documented in the record
* **the interpretation of the ECG closest to acute care arrival is not ST elevation**
* Fibrinolytic therapy was not given OR
* Fibrinolytic administration date and time is < 0 or >360 minutes
* Fibrinolytic administration date and time is >=30 and <= 360 minutes after acute arrival date and time AND
* There is a documented reason for delay in initiating fibrinolytic therapy
* Date and time of acute arrival are not valid
* Date and time of initiation of fibrinolytic therapy is not valid
 | SCORE:Median of fibrinolytic therapy administration date and time minus acute arrival date and time for all records in the denominator   |

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| **Mnemonic** | **Description** |  **Catnum(s)** | **Denominator** | **Numerator** |
| Ihi49j |  Reperfusion PCI in 90 minutes, STEMI | 10, 42 | Includes all cases except:* Date of discharge is <01/01/2015
* Length of stay is >120 days
* principal diagnosis code is not from Table 1.1
* patient was involved in a clinical trial relevant to AMI
* hospital where he/she was an inpatient for ACS
* the patient was a transfer from the inpatient department, outpatient department, emergency/observation department of another hospital, or from an ambulatory surgery center
* patients who presented initially to a community hospital where he/she received all or part of the first 24 hours of care
* patients who were transferred from a community hospital where he/she was an inpatient for ACS
* pt was an inpatient when AMI occurred
* there is no interpretation of the ECG closest to acute care arrival is documented in the record
* **the interpretation of the ECG closest to acute care arrival is not ST elevation**
* Fibrinolytic therapy was given
* The PCI was described as non-primary by a physician/APN/PA
* a PCI was not coded as the principal procedure or an other procedure (00.66)
* The PCI was performed <0 or >1440 minutes after arrival
* the time between the arrival date and time and the

 PCI start date and time is >90 and <=1440 AND* there is a reason documented by a clinician for a delay in doing the first PCI after arrival
 | Cases Included in the Denominator will pass if:* Date and time of acute care arrival are valid
* Date and time of PCI are valid
* the time between the arrival date and time and the PCI start date and time is >=0 and <=90 minutes
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| **Mnemonic** | **Description** |  **Catnum(s)** | **Denominator** | **Numerator** |
| Ihi12 | Median time to PCI  | 10, 42 |  Includes all cases except:* Date of discharge is <01/01/2015
* Length of stay is >120 days
* principal diagnosis code is not from Table 1.1
* Patient was involved in a clinical trial relevant to AMI
* the patient was a transfer from the inpatient department, outpatient department, emergency/observation department of another hospital, or from an ambulatory surgery center
* pt was an inpatient when AMI occurred
* there is no interpretation of the ECG closest to acute care arrival is documented in the record
* **the interpretation of the ECG closest to acute care arrival is not ST elevation**
* Fibrinolytic therapy was given
* A PCI was not coded as the principal procedure or an other procedure (00.66)
* Date and time of acute care arrival are not valid
* Date and time of PCI are not valid
* the date and time of the PCI is >1440 minutes following acute arrival date and time
* the date and time of the PCI is > 90 minutes and <=1440 minutes following acute arrival date and time AND
* there is clinician documentedreason for delay in doing the first PCI after arrival
 | SCORE:Median of PCI begin date and time minus acute arrival date and time for all records in the denominator |

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| **Mnemonic** | **Description** |  **Catnum(s)** | **Denominator** | **Numerator** |
| Ihi45 | Cardiology Involvement in 24 hours, STEMI and moderate-high risk NSTEMI | 10, 42 | Includes all cases except:* Date of discharge is <01/01/2015
* Length of stay is >120 days
* there is no physician documentation of acute MI
* the patient was involved in a clinical trial relevant to AMI
* the patient was an inpatient when ACS occurred
* comfort measures only was documented on the day of arrival or the day after arrival
* there is documentation of decision not to treat <= 24 hours following arrival
* the patient initially presented to a community hospital for ACS care or
* the patient was a transfer from a community hospital where he/she was an inpatient for ACS or
* the patient was a transfer from a non-VA emergency/observation unit, inpatient unit or ambulatory surgery center
* cases that are not STEMI or Non-STEMI and the first troponin and peak troponin are negative
* Cases with length of stay less than 24 hours who did not have Cardiology involvement
 | Cases Included in the Denominator will pass if:* The interpretation of the ECG closest to arrival is STEMI or NSTEMI OR
* the first troponin is positive OR
* the peak troponin is positive and
* there was cardiology involvement and
* date & time of cardiology involvement are valid
* the clinician did not document that the ECG done prior to arrival was used to guide patient care or no ECG was done prior to arrival and
* date and time of acute arrival are valid and
* the date and time of cardiology involvement is >0 and <= 1440 minutes following acute care arrival date and time

OR* the clinician did document that an ECG done prior to arrival was used to guide patient care
* date and time of the ECG done prior to arrival are valid
* the date and time of cardiology involvement is >0 and <= 1440 minutes after the date and time of the ECG done prior to arrival
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| **Mnemonic** | **Description** |  **Catnum(s)** | **Denominator** | **Numerator** |
| Ihi29n | Initial troponin returned within 60 minutes of order | 10, 42 | Includes all cases except:* Date of discharge is <01/01/2015
* Length of stay is >120 days
* cases with no physician documentation of acute MI
* comfort measures only was documented on the day of arrival or the day after arrival
* the patient was involved in a clinical trial relevant to AMI
* there is documentation of decision not to treat <= 24 hours following arrival
* the veteran was an inpatient when ACS occurred
* the patient initially presented to a community hospital for ACS care or
* the patient was a transfer from a community hospital where he/she was an inpatient for ACS or
* the patient was a transfer from a non-VA emergency/observation unit , inpatient unit or ambulatory surgery center
* the patient did not experience any anginal symptoms (as in angsymp ) within 24 hours prior to presentation or on arrival at any VAMC
 | Cases Included in the Denominator will pass if:* a troponin level was obtained
* there is a valid report date and time of the first

 troponin level* One of the following:
* the troponin order date and time are valid

 AND* the report date and time is >=0 and <= 60 minutes after the order date and time.

 OR* there is no valid date or time for the troponin order
* the date and time of acute arrival are valid
* the report date and time is >=0 and <= 60 minutes after the arrival date and time
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| **Mnemonic** | **Description** |  **Catnum(s)** | **Denominator** | **Numerator** |
| Ihi40n | Troponin order within 60 minutes of arrival | 10, 42 | Includes all cases except :* Date of discharge is <01/01/2015
* Length of stay is >120 days
* there is no physician documentation of acute MI
* cardiac arrest was the first cardiac symptom and the patient did not survive
* comfort measures only was documented on the day of arrival or the day after arrival
* there is documentation of decision not to treat <= 24 hours following arrival
* the patient was involved in a clinical trial relevant to AMI
* the patient initially presented to a community hospital for ACS care or
* the patient was a transfer from a community hospital where he/she was an inpatient for ACS or
* the patient was a transfer from a non-VA emergency/observation unit , inpatient unit or ambulatory surgery center
* the veteran was already an inpatient when ACS occurred
* the patient did not experience any anginal symptoms (as in angsymp ) within 24 hours prior to presentation or on arrival at any VAMC
 | Cases Included in the Denominator will pass if:* arrival date and time are valid
* a troponin was done
* the troponin order date and time are valid
* the troponin order date and time is no more than 15 minutes prior to arrival and <= 60 minutes after the date and time of acute care arrival
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| **Mnemonic** | **Description** |  **Catnum(s)** | **Denominator** | **Numerator** |
| Ihi1 | ASA within 24 hours of arrival  | 10, 42 | Includes all cases except:* Date of discharge is <01/01/2015
* Patients less than 18 years of age
* Length of stay is >120 days
* principal diagnosis code is not from Table 1.1
* comfort measures only was documented on the day of arrival or day after arrival
* patient was involved in a clinical trial relevant to AMI
* patient was a transfer in from a community hospital where he/she was an inpatient for ACS care
* patients who presented initially to a community hospital where he/she received all or part of the first 24 hours of care
* pt was an inpatient when AMI occurred
* Patients discharged on day of arrival
* Patients discharged to another hospital on day of or day after arrival
* Patients who left against medical advice on day of or day after arrival
* Patients who expired on day of or day after arrival
* Patients with documented reasons for not administering ASA
 | Cases Included in the Denominator will pass if:* ASA was given within 24 hours before or

 after acute care arrival  |

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| **Mnemonic** | **Description** | **Catnum(s)** | Denominator | **Numerator** |
| Ihi6 | ASA at discharge | 10, 42 | Includes all cases except:* Date of discharge is <01/01/2015
* Patients less than 18 years of age
* Length of stay is >120 days
* principal diagnosis code is not from Table 1.1
* comfort measures only was documented during the hospital stay
* patient was involved in a clinical trial relevant to AMI
* patient was a transfer in from a community hospital where he/she was an inpatient for ACS care
* patients who presented initially to a community hospital where he/she received all or part of the first 24 hours of care
* pt was an inpatient when AMI occurred
* Patients discharged to another hospital
* Patients who left against medical advice
* Patients who expired
* Patients discharged to home for hospice care
* Patients discharged to a health care facility for hospice care
* Patients with a documented reason for no ASA at discharge
 | Cases Included in the Denominator will pass if:* ASA was prescribed at discharge
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| **Mnemonic** | **Description** |  **Catnum(s)** | **Denominator** | **Numerator** |
| Ihi7 | Beta blocker at discharge  | 10, 42 | Includes all cases except:* Date of discharge is <01/01/2015
* Length of stay is >120 days
* principal diagnosis code is not from Table 1.1
* patient was a transfer in from a community hospital where he/she was an inpatient for ACS care
* patients who presented initially to a community hospital where he/she received all or part of the first 24 hours of care
* Patient was an inpatient when ACS occurred
* comfort measures only was documented during the hospital stay
* patient was involved in a clinical trial relevant to AMI
* Patients discharged to another hospital
* Patients who left against medical advice
* Patients who expired
* Patients discharged to home for hospice care
* Patients discharged to a health care facility for hospice care
* cases with documented reasons for not prescribing beta blockers
 | Cases Included in the Denominator will pass if:* a beta blocker was prescribed at discharge
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| ***Mnemonic*** | ***Description*** |  **Catnum(s)** | **Denominator** | **Numerator** |
| Ihi47 | LVSF < 40 on ACEI or ARB at discharge  | 10, 42 | Includes all cases except:* Date of discharge is <01/01/2015
* Length of stay is >120 days
* principal diagnosis code is not from Table 1.1
* patient was a transfer in from a community hospital where he/she was an inpatient for ACS care
* patients who presented initially to a community hospital where he/she received all or part of the first 24 hours of care
* Patient was an inpatient when ACS occurred
* comfort measures only was documented during the hospital stay
* patient was involved in a clinical trial relevant to AMI
* pt was an inpatient when AMI occurred
* Patients discharged to another hospital
* Patients who left against medical advice
* Patients who expired
* Patients discharged to home for hospice care
* Patients discharged to a health care facility for hospice care
* LVF is not < 40% or narrative description of moderate or severe systolic function
* Both of the following:
* documented reasons for not prescribing an ACEI and
* documented reasons for not prescribing an ARB
 | Cases Included in the Denominator will pass if:* One of the following:
* was prescribed an ACEI at discharge

 OR* was prescribed an ARB at discharge
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| **Mnemonic** | **Description** |  **Catnum(s)** | **Denominator** | **Numerator** |
| ihi9 | Statin prescribed at discharge | *10, 42* | Includes all cases except:* Date of discharge is <01/01/2015
* Length of stay is >120 days
* principal diagnosis code is not from Table 1.1
* comfort measures only was documented during the hospital stay
* patient was involved in a clinical trial relevant to AMI
* patient was a transfer in from a community hospital where he/she was an inpatient for ACS care
* patients who presented initially to a community hospital where he/she received all or part of the first 24 hours of care
* Patient was an inpatient when ACS occurred
* Patients discharged to another hospital
* Patients who left against medical advice
* Patients who expired
* Patients discharged to home for hospice care
* Patients discharged to a health care facility for hospice care
* patients with an LDL level (or total cholesterol level) <100 done within the first 24 hours of after hospital arrival OR 30 days prior to hospital arrival
* those with a reason for not prescribing a statin medication at discharge
 | Cases Included in the Denominator will pass if:* Those who were prescribed a statin medication at discharge
 |