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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 |