

Inpatient Hospital Quality Measures (Calendar Year 2010 Discharges)

The purpose of this document is to provide a reference guide on submission and Hospital Compare details for Quality Improvement Organizations (QIOs) and hospitals for the National Quality Inpatient Measures.

Measure sets contained in the *Specifications Manual for National Hospital Inpatient Quality Measures* are listed.

The dates and quarters referenced refer to Calendar Year (CY) unless otherwise indicated (for example 1Q 2010 would represent discharges Jan-Mar 2010).

Acronyms used in this document

CMS	Centers for Medicare & Medicaid Services
FY	Fiscal Year
HC	Hospital Compare
IPPS	Inpatient Prospective Payment System
OPPS	Outpatient Prospective Payment System
TJC	The Joint Commission
TBD	To Be Determined

The tables are grouped according to how the measure data is obtained.

- Measures Requiring Abstraction and Submission by the Hospital or its Vendor
- Measures Requiring Web-based Hospital Data Entry
- Measure Information Obtained from Claims-Based Data

Table Format:

- **First column** of the table contains the Measure Identifier followed by the Measure Title. **Footnotes** have been added at the end of the Measure Title and refer you to a table on page 11 that designates when measures became part of the Reporting Hospital Quality Data for Annual Payment Update (RHQDAPU) program.
- **Second column** of the table identifies when the measure became required to meet RHQDAPU requirements.
- **Third column** of the table identifies whether the data is collected for CMS, TJC or both.
- **Fourth, fifth, sixth and seventh columns** of the table identify the quarters when it is anticipated the measure will display on Hospital Compare.

**Inpatient Hospital Quality Measures
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Measures Requiring Abstraction and Submission by the Hospital or its Vendor

Acute Myocardial Infarction (AMI)	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
AMI-1 Aspirin at Arrival ¹	Nov 2003	CMS/TJC	Yes	Yes	Yes	Yes
AMI-2 Aspirin Prescribed at Discharge ¹	Nov 2003	CMS/TJC	Yes	Yes	Yes	Yes
AMI-3 ACEI or ARB for LVSD ¹	Nov 2003	CMS/TJC	Yes	Yes	Yes	Yes
AMI-4 Adult Smoking Cessation Advice/Counseling ²	3Q 2006	CMS/TJC	Yes	Yes	Yes	Yes
AMI-5 Beta-Blocker Prescribed at Discharge ¹	Nov 2003	CMS/TJC	Yes	Yes	Yes	Yes
AMI-6 Beta-Blocker at Arrival ¹	11/2003 Retired 2Q 2009	NA	NA	NA	NA	NA
AMI-7 Median Time to Fibrinolysis	N/A	CMS/TJC	No	No	No	No
AMI-7a Fibrinolytic Therapy Received Within 30 Minutes of Hospital Arrival ²	3Q 2006	CMS/TJC	Yes	Yes	Yes	Yes
AMI-8 Median Time to Primary PCI	N/A	CMS/TJC	No	No	No	No
AMI-8a Timing of Receipt of Primary Percutaneous Coronary Intervention (PCI) ²	3Q 2006	CMS/TJC	Yes	Yes	Yes	Yes
AMI-9 Inpatient Mortality	N/A	TJC	No	No	No	No
AMI-T1a LDL-Cholesterol Assessment (Optional Test Measure)	N/A	CMS	No	No	No	No
AMI-T2 Lipid-Lowering Therapy at Discharge (Optional Test Measure)	N/A	CMS	No	No	No	No

Heart Failure (HF)	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
HF-1 Discharge Instructions ²	3Q 2006	CMS/TJC	Yes	Yes	Yes	Yes
HF-2 Evaluation of LVS Function ¹	Nov 2003	CMS/TJC	Yes	Yes	Yes	Yes
HF-3 ACEI or ARB for LVSD ¹	Nov 2003	CMS/TJC	Yes	Yes	Yes	Yes
HF-4 Adult Smoking Cessation Advice/Counseling ²	3Q 2006	CMS/TJC	Yes	Yes	Yes	Yes

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Measures Requiring Abstraction and Submission by the Hospital or its Vendor (continued)

Pneumonia (PN)	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
PN-1 Oxygenation ¹	Nov 2003 Retired 1Q 2009	CMS/TJC	N/A	N/A	N/A	N/A
PN-2 Pneumococcal Vaccination ¹	Nov 2003	CMS/TJC	Yes	Yes	Yes	Yes
PN-3a Blood Cultures Performed Within 24 Hours Prior to or 24 Hours After Hospital Arrival for Patients Who Were Transferred or Admitted to the ICU Within 24 Hours of Hospital Arrival	N/A	CMS/TJC	No	No	No	No
PN-3b Blood Cultures Performed in the Emergency Department Prior to Initial Antibiotic Received in Hospital ²	3Q 2006	CMS/TJC	Yes	Yes	Yes	Yes
PN-4 Adult Smoking Cessation Advice/Counseling ²	3Q 2006	CMS/TJC	Yes	Yes	Yes	Yes
PN-5 Antibiotic Timing (Median)	N/A	TJC	No	No	No	No
PN-5b Initial Antibiotic Received Within 4 Hours of Hospital Arrival ^{1, 6} (Submission required for RHQDAPU through 4Q 2008)	Nov 2003 Discontinued 1Q 2009	N/A	N/A	N/A	N/A	N/A
PN-5c Timing of Receipt of Initial Antibiotic Following Hospital Arrival	1Q 2009	CMS/TJC	Yes	Yes	Yes	Yes
PN-6 Initial Antibiotic Selection for CAP in Immunocompetent Patient ²	3Q 2006	CMS	Yes	Yes	Yes	Yes
PN-6a Initial Antibiotic Selection for CAP in Immunocompetent – ICU Patient	N/A	TJC	No	No	No	No
PN-6b Initial Antibiotic Selection for CAP in Immunocompetent – Non-ICU Patient	N/A	TJC	No	No	No	No
PN-7 Influenza Vaccination ² (Note: Reported by Flu Season ONLY)	3Q 2006	CMS/TJC	Yes	Yes	Yes	Yes

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Measures Requiring Abstraction and Submission by the Hospital or its Vendor (continued)

Surgical Care Improvement Project (SCIP)	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
SCIP-Inf-1 Prophylactic Antibiotic Received Within One Hour Prior to Surgical Incision ²	3Q 2006	CMS/TJC	Yes	Yes	Yes	Yes
SCIP-Inf-2 Prophylactic Antibiotic Selection for Surgical Patients ³	1Q 2007	CMS/TJC	Yes	Yes	Yes	Yes
SCIP-Inf-3 Prophylactic Antibiotics Discontinued Within 24 Hours After Surgery End Time ²	3Q 2006	CMS/TJC	Yes	Yes	Yes	Yes
SCIP-Inf-4 Cardiac Surgery Patients With Controlled 6 A.M. Postoperative Blood Glucose ⁵	1Q 2008	CMS/TJC	Yes	Yes	Yes	Yes
SCIP-Inf-6 Surgery Patients with Appropriate Hair Removal ⁵	1Q 2008	CMS/TJC	Yes	Yes	Yes	Yes
SCIP-Inf-9 Urinary Catheter Removed on Postoperative Day 1 (POD 1) or Postoperative Day 2 (POD 2) with Day of Surgery being Day Zero ⁸	1Q 2010	CMS/TJC	No	No	No	Yes
SCIP-Inf-10 Surgery Patients with Perioperative Temperature Management ⁸	1Q 2010	CMS/TJC	No	No	No	Yes
SCIP-Card-2 Surgery Patients on Beta-Blocker Therapy Prior to Arrival Who received a Beta-Blocker During the Perioperative Period ⁶	1Q 2009	CMS/TJC	Yes	Yes	Yes	Yes
SCIP-VTE-1 Surgery Patients with Recommended Venous Thromboembolism Prophylaxis Ordered ³	1Q 2007	CMS/TJC	Yes	Yes	Yes	Yes
SCIP-VTE-2 Surgery Patients Who Received Appropriate Venous Thromboembolism Prophylaxis Within 24 Hours Prior to Surgery to 24 Hours After Surgery ³	1Q 2007	CMS/TJC	Yes	Yes	Yes	Yes

Pregnancy and Related Conditions (PR) Retired April 1, 2010	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
PR-1 VBAC	N/A	TJC	No	No	No	No
PR-2 Inpatient Neonatal Mortality	N/A	TJC	No	No	No	No
PR-3 Third or Fourth Degree Laceration	N/A	TJC	No	No	No	No

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Measures Requiring Abstraction and Submission by the Hospital or its Vendor (continued)

Emergency Department (informational only)	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
ED-1 Median Time from ED Arrival to ED Departure for Admitted ED Patients	N/A	N/A	No	No	No	No
ED-2 Admit Decision Time to ED Departure Time for Admitted Patients	N/A	N/A	No	No	No	No

Children's Asthma Care (CAC)**	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
CAC-1 Relievers for Inpatient Asthma	N/A	TJC	Yes	Yes	Yes	Yes
CAC-2 Systemic Corticosteroids for Inpatient Asthma	N/A	TJC	Yes	Yes	Yes	Yes
CAC-3 Home Management Plan of Care (HMPC) Document Given to Patient/Caregiver	N/A	TJC	Yes	Yes	Yes	Yes

Venous Thromboembolism (VTE)	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
VTE-1 Venous Thromboembolism Prophylaxis	N/A	TJC	No	No	No	No
VTE-2 Intensive Care Unit Venous Thromboembolism Prophylaxis	N/A	TJC	No	No	No	No
VTE-3 Venous Thromboembolism Patients with Anticoagulation Overlap Therapy	N/A	TJC	No	No	No	No
VTE-4 Venous Thromboembolism Patients Receiving Unfractionated Heparin with Dosages/Platelet Count Monitoring by Protocol or Nomogram	N/A	TJC	No	No	No	No
VTE-5 Venous Thromboembolism Discharge Instructions	N/A	TJC	No	No	No	No
VTE-6 Incidence of Potentially-Preventable Venous Thromboembolism	N/A	TJC	No	No	No	No

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Measures Requiring Abstraction and Submission by the Hospital or its Vendor (continued)

Stroke (STK)	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
STK-1 Venous Thromboembolism (VTE) Prophylaxis	N/A	TJC	No	No	No	No
STK-2 Discharged on Antithrombotic Therapy	N/A	TJC	No	No	No	No
STK-3 Anticoagulation Therapy for Atrial Fibrillation/Flutter	N/A	TJC	No	No	No	No
STK-4 Thrombolytic Therapy	N/A	TJC	No	No	No	No
STK-5 Antithrombotic Therapy By End of Hospital Day 2	N/A	TJC	No	No	No	No
STK-6 Discharged on Statin Medication	N/A	TJC	No	No	No	No
STK-8 Stroke Education	N/A	TJC	No	No	No	No
STK-10 Assessed for Rehabilitation	N/A	TJC	No	No	No	No

Hospital Consumer Assessment of Healthcare Providers and Systems Survey (HCAHPS)**	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
HCAHPS Hospital Consumer Assessment of Healthcare Providers and Systems Survey ³	3Q 2007	CMS	Yes	Yes	Yes	Yes

Measures Requiring Web-based Hospital Data Entry

Structural Measures References January 1, 2010 through June 30, 2010 Submission from July 1, 2010 through August 15, 2010	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
Participation in a Systematic Database for Cardiac Surgery ⁶	FY 2010	CMS	Yes	Yes	Yes	Yes
Participation in a Systematic clinical database Registry for Stroke Care ⁸	FY 2011	CMS	No	No	No	Yes
Participation in a systematic clinical Database Registry for Nursing Sensitive Care ⁸	FY 2011	CMS	No	No	No	Yes

Data Accuracy and Completeness Acknowledgement Electronic acknowledgment for FY 2011 payment Submission from July 1, 2010 through August 15, 2010	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
Data Accuracy and Completeness Acknowledgement ⁹	FY 2011	CMS	No	No	No	No

**Inpatient Hospital Quality Measures
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Measure Information Obtained from Claims-Based Data

30-Day Risk-Standardized Mortality Rates***	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
MORT-30-AMI Acute Myocardial Infarction (AMI) 30-Day Mortality Rate ³	N/A ^	CMS	Yes	Yes	Yes	Yes
MORT-30-HF Heart Failure (HF) 30-Day Mortality Rate ³	N/A ^	CMS	Yes	Yes	Yes	Yes
MORT-30-PN Pneumonia (PN) 30-Day Mortality Rate ⁴	N/A ^	CMS	Yes	Yes	Yes	Yes

30-Day Risk-Standardized Readmission Rates***	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
READM-30-AMI Acute Myocardial Infarction (AMI) 30-Day Readmission Rate ⁷	N/A ^	CMS	Yes	Yes	Yes	Yes
READM-30-HF Heart Failure (HF) 30-Day Readmission Rate ⁶	N/A ^	CMS	Yes	Yes	Yes	Yes
READM-30-PN Pneumonia (PN) 30-Day Readmission Rate ⁷	N/A ^	CMS	Yes	Yes	Yes	Yes

Agency for Healthcare Research and Quality (AHRQ) Measures***	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
PSI 4 Death Among Surgical Patients with Serious, Treatable Complications ^{6,8} (harmonized with NSC measure)	N/A ^	CMS	No	Yes	Yes	Yes
PSI 6 Iatrogenic Pneumothorax, Adult ⁶	N/A ^	CMS	No	Yes	Yes	Yes
PSI 14 Postoperative Wound Dehiscence ⁶	N/A ^	CMS	No	Yes	Yes	Yes
PSI 15 Accidental Puncture or Laceration ⁶	N/A ^	CMS	No	Yes	Yes	Yes
PSI 90 Complication/Patient Safety for Selected Indicators (composite) ⁶	N/A ^	CMS	No	Yes	Yes	Yes
IQI 11 Abdominal Aortic Aneurysm (AAA) Mortality Rate with volume ⁶	N/A ^	CMS	No	Yes	Yes	Yes
IQI 19 Hip Fracture Morality Rate ⁸	N/A ^	CMS	No	Yes	Yes	Yes
IQI 90 Mortality for Selected Surgical Procedures (composite) ⁶	N/A ^	CMS	No	No	No	No
IQI 91 Mortality for Selected Medical Conditions (composite) ⁶	N/A ^	CMS	No	Yes	Yes	Yes

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Measure Information Obtained from Claims-Based Data (continued)

Nursing Sensitive Care Measure***	*Required Submission	Collected For	**HC Release Mar-10	**HC Release Jun-10	**HC Release Sep-10	**HC Release Dec-10
Death Among Surgical Patients with Serious Treatable Complications ^{6,8} (Failure to Rescue) (harmonized with PSI 4 measure)	N/A [^]	CMS	No	Yes	Yes	Yes

Footnotes:

Reporting Hospital Quality Data for Annual Payment Update (RHQDAPU) Measures
¹ Measure included in '10 measure starter set'
² Additional measure added to original '10 measure starter set' to make '21 measure expanded set' (CMS Reg. 1488-FC, posted August 2006)
³ Measure finalized in CY 2007 OPSS Final Rule (CMS Regulation 1506-FC, posted November 2006)
⁴ Measure finalized in FY 2008 IPPS Final Rule (CMS Regulation 1533-FC, posted August 2007)
⁵ Measure finalized in CY 2008 OPSS Final Rule (CMS Regulation 1392-FC, posted November 2007)
⁶ Measure finalized in FY 2009 IPPS Final Rule (CMS Regulation 1390-F, posted August 2008)
⁷ Measure finalized in CY 2009 OPSS Final Rule (CMS Regulation 1404-FC, posted October 2008)
⁸ Measure finalized in FY 2010 IPPS Final Rule (CMS Regulation 1406-F/1493-F/1337-F, posted August 2009)
⁹ Measure finalized in FY 2010 IPPS Final Rule Correction (CMS-1406-CN, posted October 2009)
[^] CMS uses enrollment data as well as Part A and Part B claims for Medicare fee-for-service patients to calculate these measures. No hospital data submission is required to calculate these measure rates.

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Legend

* **Discharge (D/C) Quarter Required RHQDAPU Submission Started In Accordance with the Published Final Rule (IPPS and/or OPPS)**

** **Clinical Process Measures, CAC Measures and HCAHPS Discharge Quarters Included in Hospital Compare Release (refreshed/updated quarterly)**

Mar-10: 3Q 2008, 4Q 2008, 1Q 2009 and 2Q 2009

Jun-10: 4Q 2008, 1Q 2009, 2Q 2009 and 3Q 2009

Sep-10: 1Q 2009, 2Q 2009, 3Q 2009 and 4Q 2009

Dec-10: 2Q 2009, 3Q 2009, 4Q 2009 and 1Q 2010

*** **Claims-based Measures (no data submission required) Refreshed annually on Hospital Compare Mortality/Readmission Measures (3 years of data)**

Mar-10: 3Q 2005 through 2Q 2008

Jun-10: 3Q 2006 through 2Q 2009

Sep-10: 3Q 2006 through 2Q 2009

Dec-10: 3Q 2006 through 2Q 2009

AHRQ Measures (1 year of data)

Mar-10: Not reported for this release

Jun-10: 3Q 2008 through 2Q 2009

Sep-10: 3Q 2008 through 2Q 2009

Dec-10: 3Q 2008 through 2Q 2009