

Specification Manual for National Hospital Quality Measures

Release Notes 2.1a

August 4, 2006

Release Notes 2.1a provide modifications and clarifications to the *Specifications Manual for National Hospital Quality Measures* released June 9, 2006 for implementation with October 1, 2006 discharges.

Note: Revisions made only to ICD-9-CM code descriptions have been identified in Appendix A with an asterisk but are not listed in the release notes.

The notes are organized to follow the order of the Table of Contents. Within each topic section, a row represents a change beginning with general changes followed by data elements in alphabetical order. The column headings are described below:

- **Manual Section** - this is used to identify which section(s) listed in the Table of Contents contain the change listed. The sections are Data Dictionary, Measure Information, Missing and Invalid Data, Sampling Methods, etc.
- **Impacts** - this is used to identify which portion(s) of the Manual Section is impacted by the change listed. Examples are Alphabetical Data Element List, Data Element Pages, (Topic) Data Element List, Measure Information Form (MIF) and Flowchart (Algorithm). The measures that the data element is collected for are identified.
- **Description of Changes** – this is used to identify the section within the document where the change occurs, e.g., Definition, Data Collection Question, Allowable Value, Denominator Data Elements.
- **Page**- the page numbers are from the 2.1 version of the manual
- **Implementation Date**- Date when change is to be implemented

Data elements that cross multiple measures and contain the same changes will be consolidated into one row. If those changes do not apply to all of the measures listed in the Impacts column that is identified in the description of changes.

Example

Surgical Care Improvement Project			
<i>Antibiotic Allergy</i>			
Manual Section	Impacts	Description of Changes	Page
Data Dictionary	Data Element Pages Measures: SCIP-Inf-2 PN-6 PN-6a PN-6b	<u>Notes for Abstraction</u> Change to read: If the patient was noted to be allergic to "cillins," "penicillin," or "all cillins," Select "Yes."	1-42

Manual Section	Impacts	Description of Changes	Page	Implementation Date
Data Dictionary	General Abstraction Guidelines	<u>Medications</u> Add the following sub-bullets to the 2 nd bullet: <ul style="list-style-type: none"> • Documentation of medication administration on a medication administration record (MAR) must be dated. If, in the course of abstraction an undated MAR is found in the medical record, it cannot be used. • For EHR's only accept 	1-9	10-01-2006 Discharges

Specification Manual for National Hospital Quality Measures

Release Notes 2.1a

August 4, 2006

Manual Section	Impacts	Description of Changes	Page	Implementation Date
		documentation that reflects the actual administration of the medication in the context of the chart.		
Antibiotic Administration Date				
Antibiotic Administration Time				
Antibiotic Name				
Data Dictionary	Data Element Pages Measures: PN-3b PN-5 PN-5a PN-5b PN-6 PN-6a PN-6b SCIP-Inf-1 SCIP-Inf-2 SCIP-Inf-3	<u>Notes for Abstraction</u> Change the third paragraph to: “In narrative documentation, only accept documentation that reflects the actual administration of the antibiotic. The use of “hang time” or “infusion time” is acceptable ONLY on the ED record when other documentation cannot be found.” SCIP-Inf: Change table reference from “Appendix A” to “Appendix C” in the fourth paragraph.	1-33 1-40 1-45	10-01-2006 Discharges
Antibiotic Administration Route				
Data Dictionary	Data Element Pages Measures: PN-6 PN-6a PN-6b SCIP-Inf-1 SCIP-Inf-2	<u>Notes for Abstraction</u> Change the third paragraph to: “In narrative documentation, only accept documentation that reflects the actual administration of the antibiotic. The use of “hang time” or “infusion time” is acceptable ONLY on the ED record when other documentation cannot be found.” SCIP-Inf: Change table reference from “Appendix A” to “Appendix C” in the fourth paragraph.	1-40	10-01-2006 Discharges
Glucose POD 1				
Glucose POD 2				
Data Dictionary	Data Element Pages Measures: SCIP-Inf-4	Changed these data elements for the 2.0b addendum after the release of Version 2.1. Please refer to the release notes for Version 2.0b for a detailed list of those changes.	1-152 1-154	10-01-2006 Discharges
Surgical Incision Time				
Data Dictionary	Data Element Pages Measures: SCIP-Inf-1 SCIP-Inf-2	<u>Notes for Abstraction</u> Remove bullets: • If multiple procedures occur during the same surgical episode , the <i>Surgical Incision Time</i> captured will be the incision that occurs first, and the	1-266	10-01-2006 Discharges

Specification Manual for National Hospital Quality Measures

Release Notes 2.1a

August 4, 2006

Manual Section	Impacts	Description of Changes	Page	Implementation Date
	SCIP-Inf-3 SCIP-VTE-1 SCIP-VTE-2	<p><i>Surgery End Time</i> will be the end time that occurs last.</p> <ul style="list-style-type: none"> • Using the highest priority available from the Suggested Data Sources, select the earliest time from the Guidelines for Abstraction inclusion list. <p>Add bullets:</p> <ul style="list-style-type: none"> • If multiple procedures occur during the same surgical episode, and the principal procedure is not the first of those, the <i>Surgical Incision Time</i> captured will be the incision that occurs first, and the <i>Surgery End Time</i> will be the end time that occurs last. • Follow the priority order within the Inclusion List of this data element’s Guidelines for Abstraction: <ol style="list-style-type: none"> 1. First, review all sources for any of the first priority synonyms for Incision Time. If multiple times are found, select the earliest time among the inclusions for Incision Time. 2. Next, if none of the first priority synonyms are documented, go to the <u>second</u> priority list of synonyms for Surgery Start/Begin time. If multiple times are found, select the earliest time among the inclusions for Surgery Start/Begin time. 3. Finally, if none of the first and second priority synonyms are documented, go to the <u>third</u> priority list of synonyms for Anesthesia Time. If multiple times are found, select the earliest time among the inclusions for Anesthesia Time. <p>Add: NOTE: Priority order applies to items in inclusion table, not to source document.</p> <p>Add: Example 1</p> <ul style="list-style-type: none"> o Anesthesia record: “chest time” = 13:25 o Anesthesia record: “procedure start” = 13:20 o Circulation record: “OR start” = 		

Specification Manual for National Hospital Quality Measures

Release Notes 2.1a

August 4, 2006

Manual Section	Impacts	Description of Changes	Page	Implementation Date
		<p>13:10</p> <ul style="list-style-type: none"> o Circulation record: “sternotomy time” = 13:18 <p>In this example, we will only consider the “chest time” and “sternotomy time” as they are the only priority 1 synonyms. Enter 13:18</p> <p>Example 2</p> <ul style="list-style-type: none"> o Anesthesia record: “operation start” = 08:20 o Anesthesia record: “anesthesia induction” = 08:25 o Circulation record: “OR start” = 08:10 o Circulation record: “surgery start” = 08:18 <p>In this example, there are no priority 1 synonyms documented. We will only consider “operation start,” “OR start” and “surgery start” as they are the only priority 2 synonyms. Enter 08:10.</p> <p><u>Suggested Data Sources</u></p> <p>Remove: PRIORITY ORDER FOR THESE SOURCES</p> <p><u>Guidelines for Abstraction</u></p> <p><u>Inclusion</u></p> <p>Remove:</p> <ul style="list-style-type: none"> • Anesthesia begin time • Anesthesia induction time • Anesthesia opened • Anesthesia start time • Anesthesia time • Begin time • BRB (breastbone) • Case start time • Chest time • Induction complete time • Leg time • Operation opened • Operation start time • Operating room start time • Procedure start time • Skin time • Sternotomy time • Surgery start time • Symbol used on grid and indicated in legend to be incision time • Thoracotomy time 		

Specification Manual for National Hospital Quality Measures

Release Notes 2.1a

August 4, 2006

Manual Section	Impacts	Description of Changes	Page	Implementation Date
		<ul style="list-style-type: none"> • Tourniquet time • Tourniquet up, inflated, begin <p><u>Guidelines for Abstraction Inclusion</u></p> <p>Add: Follow the priority order below. If multiple times are found, use earliest time among the highest priority.</p> <p>First priority: Incision time</p> <ul style="list-style-type: none"> • BRB (breastbone) • Chest time • Leg time • Skin time • Sternotomy time • Symbol used on grid and indicated in legend to be incision time • Thoracotomy time <p>Second priority: Surgery Start/Begin Time</p> <ul style="list-style-type: none"> • Begin time • Case start time • Operation opened • Operation start time • Operating room start time • Procedure start time • Surgery start time • Tourniquet time • Tourniquet up, inflated, begin <p>Third priority: Anesthesia time</p> <ul style="list-style-type: none"> • Anesthesia begin time • Anesthesia induction time • Anesthesia opened • Anesthesia start time • Anesthesia time • Induction complete time 		
Measure Information	Measure Information Form (MIF) Measures: SCIP-Inf-1 SCIP-Inf-2 SCIP-Inf-3 SCIP-Inf-4 SCIP-Inf-7	<p>The following 2.1 release note incorrectly reflected SCIP-Inf-6 in the list of affected Measures.</p> <p><u>Denominator Statement, Excluded Populations</u></p> <p>Change bullet from "Patients who had a principal or admission diagnosis suggestive of preoperative infectious diseases (refer to Appendix A, Table 5.09 for ICD-9-CM codes)" to "Patients who had a principal diagnosis suggestive of preoperative infectious</p>	SCIP-Inf-1-2 SCIP-Inf-2-2 SCIP-Inf-3-2 SCIP-Inf-4-2 SCIP-Inf-7-2	10-01-2006 Discharges

Specification Manual for National Hospital Quality Measures

Release Notes 2.1a

August 4, 2006

Manual Section	Impacts	Description of Changes	Page	Implementation Date
		diseases (refer to Appendix A, Table 5.09 for ICD-9-CM codes)"		
Measure Information	SCIP Measure Population SCIP Flowchart (Algorithm)	<ul style="list-style-type: none"> • Change the annotation of the left arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read "Invalid." • Change the annotation of the right arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read "Missing or Not on Table 5.10." 	SCIP-6	10-01-2006 Discharges
Measure Information	SCIP Flowchart (Algorithm) SCIP-Inf-1	<ul style="list-style-type: none"> • Change the annotation of the left arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read "Invalid." • Change the annotation of the right arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read "Missing or Not on Table 5.10." 	SCIP-Inf 1-5	10-01-2006 Discharges
Measure Information	SCIP Flowchart (Algorithm) SCIP-Inf-2	<ul style="list-style-type: none"> • Change the annotation of the left arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read "Invalid." • Change the annotation of the right arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read "Missing or Not on Table 5.10." <p>Correct the decision branches on ICD-9-CM Principal Diagnosis Code as: 'On Table 5.09', will go to Bucket B; 'Not on Table 5.09', will continue on the rest of process.</p>	SCIP-Inf 2-5 SCIP-Inf 2-6	10-01-2006 Discharges
Measure Information	SCIP Flowchart (Algorithm) SCIP-Inf-3	<ul style="list-style-type: none"> • Change the annotation of the left arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read "Invalid." • Change the annotation of the right arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read "Missing or Not on Table 5.10." 	SCIP-Inf 3-5	10-01-2006 Discharges

Specification Manual for National Hospital Quality Measures

Release Notes 2.1a

August 4, 2006

Manual Section	Impacts	Description of Changes	Page	Implementation Date
		<p>Add a variable key - Missing Flag.</p> <p>Add a decision branch on <i>ICD-9-CM Principal Diagnosis Code</i> as: 'Missing/Invalid', that will go to Bucket A.</p> <ul style="list-style-type: none"> • Add a new process box, immediately after 'Antibiotic Days II' calculation, as: Set Missing Flag = 'N'; • Rewrite the next process box as: If all the antibiotic doses of a case satisfy one of the conditions, set Missing Flag = 'Y'. These conditions are: Antibiotic Days II is greater than 3 days; if ICD-9-CM Principal Procedure Code is on Table 5.03, 5.04, 5.05, 5.06, 5.07 or 5.08, and Antibiotic Days II is greater than 2 days; • Add a new decision determination box on 'Missing Flag' right after the rewriting box. If the value = 'Y', lead towards Bucket B; if the value = 'N', continue on the process; 	<p>SCIP-Inf 3-5</p> <p>SCIP-Inf 3-6</p> <p>SCIP-Inf 3-8</p>	
		<ul style="list-style-type: none"> • Add a new process box, immediately after 'Antibiotic Timing II' calculation, as: Set Missing Flag = 'N'; • Rewrite the next process box as: If all the antibiotic doses of a case satisfy one of the conditions, set Missing Flag = 'Y'. These conditions are: Antibiotic Timing II is greater than 4320 minutes; if ICD-9-CM Principal Procedure Code is on Table 5.03, 5.04, 5.05, 5.06, 5.07 or 5.08, and Antibiotic Timing II is greater than 2880 minutes; • Add a new decision determination box on 'Missing Flag' right after the rewriting box. If the value = 'Y', lead towards Bucket B; if the value = 'N', continue on the process; 	SCIP-Inf 3-9	
Measure Information	SCIP Flowchart (Algorithm) SCIP-Inf-4	<ul style="list-style-type: none"> • Change the annotation of the left arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read 	SCIP-Inf 4-4	10-01-2006 Discharges

Specification Manual for National Hospital Quality Measures

Release Notes 2.1a

August 4, 2006

Manual Section	Impacts	Description of Changes	Page	Implementation Date
		<p>“Invalid.”</p> <ul style="list-style-type: none"> • Change the annotation of the right arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read “Missing or Not on Table 5.10.” 		
Measure Information	<p>SCIP Flowchart (Algorithm) SCIP-Inf-6</p>	<ul style="list-style-type: none"> • Change the annotation of the left arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read “Invalid.” • Change the annotation of the right arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read “Missing or Not on Table 5.10.” 	SCIP-Inf 6-3	10-01-2006 Discharges
Measure Information	<p>SCIP Measure Information Form (MIF)</p> <p>Measure: SCIP-Inf-7</p>	<ul style="list-style-type: none"> • Change the Description statement to read: Colorectal surgery patients with immediate normothermia (greater than or equal to 96.8° F) within the first hour after leaving the operating room. • Change the Rationale statement to read: Core temperatures outside the normal range pose a risk in all patients undergoing surgery. According to the Clinical Guidelines for the Prevention of Unplanned Perioperative Hypothermia by the American Society of PeriAnesthesia Nurses (ASPAN, 2001), published research has correlated impaired wound healing, adverse cardiac events, altered drug metabolism, and coagulopathies with unplanned perioperative hypothermia. A study by Kurtz, et al (1996), found that incidence of culture-positive surgical site infections among those with mild perioperative hypothermia was three times higher than the normothermic perioperative patients. In this study, mild perioperative hypothermia was associated with delayed wound closure and prolonged hospitalization. In a meta-analysis of outcomes and costs, Mahoney and Odom (1999), demonstrated that hypothermia is associated with a 	SCIP-Inf 7-1	10-01-2006 Discharges

Specification Manual for National Hospital Quality Measures

Release Notes 2.1a

August 4, 2006

Manual Section	Impacts	Description of Changes	Page	Implementation Date
		<p>significant increase in adverse outcomes, including an increased incidence of infections. The authors also concluded that hypothermia is associated with an increased chance of blood products administration, myocardial infarction, and mechanical ventilation. These adverse outcomes resulted in prolonged hospital stays and increased healthcare expenditures.</p> <ul style="list-style-type: none"> • Change the Numerator Statement to read: Surgery patients whose first recorded temperature was greater than or equal to 96.8 ° F within the first hour after leaving the operating room • Remove the last reference from the Selected References list. 	<p style="text-align: center;">SCIP-Inf 7-2</p> <p style="text-align: center;">SCIP-Inf 7-3</p>	
Measure Information	SCIP Flowchart (Algorithm) SCIP-Inf-7	<ul style="list-style-type: none"> • Change the annotation of the left arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read “Invalid.” • Change the annotation of the right arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read “Missing or Not on Table 5.10.” • Change 'INF-7 H' to 'INF-7 A' , where the connector is attached to the Category A box. • Change the annotation of the right arrow, on the <i>Temperature Value</i> decision point, at the bottom of the page, to read “< 96.8 °F.” • Change the annotation of the lower arrow, on the <i>Temperature Value</i> decision point, at the bottom of the page, to read “≥ 96.8 °F.” 	<p style="text-align: center;">SCIP-Inf 7-4</p> <p style="text-align: center;">SCIP-Inf 7-5</p>	10-01-2006 Discharges
Measure Information	SCIP Flowchart (Algorithm) SCIP-VTE-1	<ul style="list-style-type: none"> • Change the annotation of the left arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision point, at the top of the page, to read “Invalid.” • Change the annotation of the right arrow, on the first <i>ICD-9-CM Principal Procedure Code</i> decision 	<p style="text-align: center;">SCIP-VTE 1-6</p>	10-01-2006 Discharges

Specification Manual for National Hospital Quality Measures

Release Notes 2.1a

August 4, 2006

Manual Section	Impacts	Description of Changes	Page	Implementation Date
		<ul style="list-style-type: none"> • 68.6 Add procedure codes: <ul style="list-style-type: none"> • 68.49 • 68.69 		
Appendix A	ICD-9-CM Code Tables	<u>Table 5.07 Vaginal Hysterectomy</u> Remove procedure code 68.7 Add procedure code 68.79	Appendix A-29	10-01-2006 Discharges
Appendix A	ICD-9-CM Code Tables	<u>Table 5.09 Infection</u> Remove diagnosis codes: <ul style="list-style-type: none"> • 049.0 • 323.4 • 323.5 • 323.6 • 323.7 • 323.8 Add diagnosis codes: <ul style="list-style-type: none"> • 323.41 • 323.42 • 323.61 • 323.62 • 323.63 • 323.81 • 323.82 	Appendix A-51 Appendix A-59 thru Appendix A-60	10-01-2006 Discharges
Appendix A	ICD-9-CM Code Tables	<u>Table 5.10 Major Surgery</u> Remove procedure codes: <ul style="list-style-type: none"> • 68.4 • 68.6 • 68.7 • 75.69 Add procedure codes: <ul style="list-style-type: none"> • 00.77 • 00.85 • 00.86 • 00.87 • 32.23 • 32.25 • 32.26 • 50.23 • 50.25 • 50.26 • 55.32 • 55.34 • 55.35 • 68.41 • 68.49 • 68.61 • 68.69 • 68.71 	Appendix A-66 thru Appendix A-90	10-01-2006 Discharges

Specification Manual for National Hospital Quality Measures

Release Notes 2.1a

August 4, 2006

Manual Section	Impacts	Description of Changes	Page	Implementation Date
		<ul style="list-style-type: none"> • 68.79 		
Appendix A	ICD-9-CM Code Tables	<p><u>Table 5.20 Gynecological Surgery</u></p> <p>Remove procedure codes:</p> <ul style="list-style-type: none"> • 68.4 • 68.6 • 68.7 <p>Add procedure codes:</p> <ul style="list-style-type: none"> • 68.49 • 68.69 • 68.79 	Appendix A-112	10-01-2006 Discharges
Appendix A	ICD-9-CM Code Tables	<p><u>Table 5.22 Elective Total Hip Replacement</u></p> <p>Change the table name to “Elective Hip Replacement”</p> <p>Add procedure codes:</p> <ul style="list-style-type: none"> • 00.77 • 00.85 • 00.86 • 00.87 	Appendix A-113	10-01-2006 Discharges
Appendix A	ICD-9-CM Code Tables	<p><u>Table 5.25 Other Major Surgery for Sampling</u></p> <p>Remove procedure code 75.69</p> <p>Add procedure codes:</p> <ul style="list-style-type: none"> • 00.77 • 00.85 • 00.86 • 00.87 • 32.23 • 32.25 • 32.26 • 50.23 • 50.25 • 50.26 • 55.32 • 55.34 • 55.35 	Appendix A-114 thru Appendix A-126	10-01-2006 Discharges
Appendix H	Miscellaneous Tables	<p><u>Table 2.5 Discharge Status Disposition</u></p> <ul style="list-style-type: none"> • Add the discharge disposition code for “Another acute care facility for an outpatient procedure” to Discharge Status 01 • Remove the discharge disposition code for “Another acute care facility for an outpatient procedure” to Discharge Status 05 	Appendix H-8 thru Appendix H-9	10-01-2006 Discharges