



# **SURGERY**

## **USER MANUAL**

Version 3.0

July 1993

(Revised September 2007)



## Revision History

Each time this manual is updated, the Title Page lists the new revised date and this page describes the changes. If the Revised Pages column lists “All,” replace the existing manual with the reissued manual. If the Revised Pages column lists individual entries (e.g., 25, 32), either update the existing manual with the Change Pages Document or print the entire new manual.

Date	Revised Pages	Patch Number	Description
09/07	125, 371, 375, 382	SR*3*163	Updated the Service Classification section regarding environmental indicators, unrelated to this patch. Updated the Quarterly Report to reflect updates to the numbers and names of specific specialties in the NATIONAL SURGICAL SPECIALTY file. <b>REDACTED</b>
06/07	35, 210, 212b	SR*3*159	Updated screens to reflect change of the environmental indicator “Environmental Contaminant” to “SWAC” (e.g., Southwest Asia). <b>REDACTED</b>
06/07	176-180, 180a, 184c-d, 327c-d, 372, 375-376, 446, 449-450, 452-453, 455-456, 458, 461, 468, 470, 472, 479-479a, 482-484, 486a, 489, 491, 493, 495, 497, 499, 501, 502a-d, 504-506, 509-512, 519	SR*3*160	Updated the data entry options for the non-cardiac and cardiac risk management sections; these options have been changed to match the software. For more details, see the <i>Surgery NSQIP-CICSP Enhancements 2007 Release Notes</i> . Updated data entry screens to match software; changes are unrelated to this patch. <b>REDACTED</b>
11/06	10-12, 14, 21-22, 139-141, 145-150, 152, 219, 438	SR*3*157	Updated data entry options to display new fields for collecting sterility information for the Prosthesis Installed field; updated the Nurse Intraoperative Report section with these required new fields. For more details, see the <i>Surgery-Tracking Prosthesis Items Release Notes</i> . Updated data entry screens to match software; changes are unrelated to this patch. <b>REDACTED</b>

Date	Revised Pages	Patch Number	Description
08/06	6-9, 14, 109-112, 122-124, 141-149, 151-152, 176, 178-180, 180a-b, 181-184, 184a-d, 185-186, 218-219, 326-327, 327a-d, 328-329, 373, 377, 449-450, 452-456, 459, 461-462, 467-468, 468b, 469-470, 470a, 473-474, 474a-474b, 475, 477, 481-486, 486a-b, 489-502, 502a-b, 503-504, 509-512	SR*3*153	<p>Updated the data entry options for the non-cardiac and cardiac risk management sections; these options have been changed to match the software.</p> <p>Updated data entry options to incorporate renamed/new Hair Removal documentation fields.</p> <p>Updated the Nurse Intraoperative Report and Quarterly Report to include these fields.</p> <p>For more details, see the <i>Surgery NSQIP/CICSP Enhancements 2006 Release Notes</i>.</p> <p><b>REDACTED</b></p>
06/06	28-32, 40-50, 64-80, 101-102	SR*3*144	<p>Updated options to reflect new required fields (Attending Surgeon and Principal Preoperative Diagnosis) for creating a surgery case.</p> <p><b>REDACTED</b></p>
06/06	vi, 34-35, 125, 210, 212b, 522a-b	SR*3*152	<p>Updated Service Classification screen example to display new PROJ 112/SHAD prompt.</p> <p>This patch will prevent the PRIN PRE-OP ICD DIAGNOSIS CODE field of the Surgery file from being sent to the Patient Care Encounter (PCE) package.</p> <p>Added the new <i>Alert Coder Regarding Coding Issues</i> option to the Surgery Risk Assessment Menu option.</p> <p><b>REDACTED</b></p>
04/06	445, 464a-b, 465, 480a-b	SR*3*146	<p>Added the new <i>Alert Coder Regarding Coding Issues</i> option to the Assessing Surgical Risk chapter.</p> <p><b>REDACTED</b></p>

Date	Revised Pages	Patch Number	Description
04/06	6-8, 29, 31-32, 37-38, 40, 43-44, 46-48, 50, 52, 65-67, 71-73, 75-77, 79, 100, 102, 109-112, 117-120, 122-123, 125-127, 189-191, 195b, 209-212, 212a-h, 219a, 224-231, 238-242, 273-277, 311-313, 315-317, 369, 379- 392, 410, 449-464, 467-468, 468a-b, 469-470, 470a, 471-474, 474a-b, 475-479, 479a-b, 480, 483-484, 489-502, 507, 519	SR*3*142	<p>Updated the data entry screens to reflect renaming of the Planned Principal CPT Code field and the Principal Pre-op ICD Diagnosis Code field. Updated the <i>Update/Verify Procedure/Diagnosis Coding</i> option to reflect new functionality. Updated Risk Assessment options to remove CPT codes from headers of cases displayed. Updated reports related to the coding option to reflect final CPT codes.</p> <p>For more specific information on changes, see the <i>Patient Financial Services System (PFSS) – Surgery Release Notes</i> for this patch.</p> <p><b>REDACTED</b></p>
10/05	9, 109-110, 144, 151, 218	SR*3*147	<p>Updated data entry screens to reflect renaming of the Preop Shave By field to Preop Hair Clipping By field.</p> <p><b>REDACTED</b></p>
08/05	10, 14, 99-100, 114, 119-120, 124, 153-154, 162-164, 164a-b, 190, 192, 209-212f, 238-242	SR*3*119	<p>Updated the Anesthesia Data Entry Menu section (and other data entry options) to reflect new functionality for entering multiple start and end times for anesthesia. Updated examples for Referring Physician updates (e.g., capability to automatically look up physician by name). Updated the PCE Filing Status Report section.</p> <p><b>REDACTED</b></p>
08/04	iv-vi, 187-189, 195, 195a-195b, 196, 207-208, 219a-b, 527-528	SR*3*132	<p>Updated the Table of Contents and Index to reflect added options. Added the new <i>Non-OR Procedure Information</i> option and the <i>Tissue Examination Report</i> option (unrelated to this patch) to the Non-OR Procedures section.</p>
08/04	31, 43, 46, 66, 71-72, 75-76, 311	SR*3*127	<p>Updated screen captures to display new text for ICD-9 and CPT codes.</p>

Date	Revised Pages	Patch Number	Description
08/04	vi, 441, 443, 445-456, 458-459, 461 463, 465, 467-468, 468a-b, 469-470, 470a-b, 471, 473-474, 474a-b, 474-479, 479a-b, 480-486, 486a-b, 519, 531-534	SR*3*125	Updated the Table of Contents and Index. Clarified the location of the national centers for NSQIP and CICSP. Updated the data entry options for the non-cardiac and cardiac risk management sections; these options have been changed to match the software and new options have been added. For an overview of the data entry changes, see the <i>Surgery NSQIP/CICSP Enhancements 2004 Release Notes</i> . Added the <i>Laboratory Test Result (Enter/Edit)</i> option and the <i>Outcome Information (Enter/Edit)</i> option to the <i>Cardiac Risk Assessment Information (Enter/Edit)</i> menu section. Changed the name of the <i>Cardiac Procedures Requiring CPB (Enter/Edit)</i> option to <i>Cardiac Procedures Operative Data (Enter/Edit)</i> option. Removed the <i>Update Operations as Unrelated/Related to Death</i> option from the <i>Surgery Risk Assessment Menu</i> .
08/04	6-10, 14, 103, 105-107, 109-112, 114-120, 122-124, 141-152, 218-219, 284-287, 324, 370-377	SR*3*129	Updated examples to include the new levels for the Attending Code (or Resident Supervision). Also updated examples to include the new fields for ensuring Correct Surgery. For specific options affected by each of these updates, please see the <i>Resident Supervision/Ensuring Correct Surgery Phase II Release Notes</i> .
04/04	All	SR*3*100	All pages were updated to reflect the most recent Clinical Ancillary Local Documentation Standards and the changes resulting from the Surgery Electronic Signature for Operative Reports project, SR*3*100. For more information about the specific changes, see the patch description or the <i>Surgery Electronic Signature for Operative Reports Release Notes</i> .

## Surgeon's Verification of Diagnosis & Procedures [SROVER]

Surgeons use this option to verify that the stated procedure(s), diagnosis, and occurrences are correct for a case. With this option, the surgeon can update the Operation Name, Planned CPT Code, Diagnosis, and Intraoperative Occurrences before verifying the case. If the case has already been verified, the user will be asked whether to re-verify it.

If the user responds **YES** to the prompt "Do you need to update the information above ?" the software will provide a summary for editing.



If there are no occurrences, the INTRAOP OCCURRENCES field should be left blank. Do **not** enter **NO** or **NONE**.

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The procedure and diagnosis codes are the codes captured with clinical data, and are supplied as defaults to the Coder when entering the final codes that will be sent to PCE.

### **Service Classifications**

Information relating to a patient's status of Service Connected (SC) and Environmental Indicators (EI) are captured during patient registration. The Surgery software receives this data from enrollment and displays it when the user creates a case.

In the Surgery software, the patient's Service Classification status is determined at the case level when the case is created. The user can further refine status designations, not only per case, but also per diagnosis.

The system defaults the case-level Service Classification indicators into each Other Postop Diagnosis field as the user adds the Other Postop Diagnoses. The system allows the user to edit these fields if the user determines that the defaulted value is incorrect.

## Example: Surgeon's Verification of Diagnosis & Procedures

Select Operation Menu Option: **V** Surgeon's Verification of Diagnosis & Procedures

SURPATIENT,ONE (000-44-7629)  
Operation Date: JUN 5, 2005

- 
1. Indications for Operation:  
Swelling in the inguinal region.
  2. Planned Principal CPT Code: 00830  
Assoc. DX: 1. 550.02 BILAT ING HERNIA W GANG
  3. Principal Procedure: REMOVE HERNIA
  4. Other Procedures:
  5. Postoperative Diagnosis: INGUINAL HERNIA
  6. Intraoperative Occurrences: NO OCCURRENCES HAVE BEEN ENTERED
  7. Principal Pre-OP Diagnosis: HERNIA
  8. Principal Pre-OP Diagnosis Code: 550.02 BILAT ING HERNIA W GANG
- 

Do you need to update the information above ? NO// **Y**

Select Information to Edit: **2:3**

Planned Principal Procedure Code (CPT): **49521** REREPAIR ING HERNIA, BLOCKE  
D

REPAIR RECURRENT INGUINAL HERNIA, ANY AGE; INCARCERATED OR STRANGULATED  
The Diagnosis to Procedure Associations may no longer be correct.  
Delete Diagnosis Associations for this Procedure? N// **NO**

Modifier: **59** DISTINCT PROCEDURAL SERVICE  
Modifier: **<Enter>**

Principal Procedure: REMOVE HERNIA// **REPAIR INGUINAL HERNIA**

SUMMARY REPORT - SURGICAL SERVICE  
VERSION 3.0

PAGE  
1

Hospital: MAYBERRY, NC  
Station Number: 999  
For Dates: JUN 01, 2004 to: JUN 30, 2004

	Total Cases	% of Total
Surgical Cases	315	100.0
Major Procedures	203	64.4
ASA Class (1)	10	4.9
ASA Class (2)	70	34.5
ASA Class (3)	120	59.1
ASA Class (4)	3	1.5
ASA Class (5)	0	0.0
ASA Class (6)	0	0.0
Postoperative Deaths	2	0.6
Ambulatory: 0		
Postoperative Occurrences	18	5.7
Ambulatory Procedures	201	63.8
Admitted Within 14 Days: 0		
Invasive Diagnostic: 1		
Inpatient Procedures	114	36.2
Emergency Procedures	14	4.4
Age>60 Years	141	44.8

SPECIALTY PROCEDURES

	PATIENTS	CASES	MAJOR	MINOR	---DEATHS---	
					TOTAL	%
48 CARDIAC SURGERY	0	0	0	0	0	0.0
49 TRANSPLANTATION	0	0	0	0	0	0.0
50 GENERAL SURGERY	63	64	54	10	1	1.6
51 OB/GYN	7	7	7	0	0	0.0
52 NEUROSURGERY	12	14	13	1	0	0.0
53 OPHTHALMOLOGY	57	59	0	59	0	0.0
54 ORTHOPEDICS	53	56	46	10	0	0.0
55 EAR, NOSE, THROAT (ENT)	35	35	32	3	0	0.0
56 PLASTIC SURGERY	8	8	4	4	0	0.0
57 PROCTOLOGY	0	0	0	0	0	0.0
58 THORACIC SURGERY	3	3	3	0	0	0.0
59 UROLOGY	19	20	20	0	0	0.0
60 ORAL SURGERY	1	1	1	0	0	0.0
61 PODIATRY	25	25	3	22	0	0.0
62 PERIPHERAL VASCULAR	21	23	20	3	1	4.3
78 ANESTHESIOLOGY	0	0	0	0	0	0.0

LEVEL OF RESIDENT SUPERVISION (%)

	MAJOR	MINOR
Level A	0.0	100.0
Level B	66.7	0.0
Level C	0.0	0.0
Level D	0.0	0.0
Level E	33.3	0.0
Level F	0.0	0.0
Level Not Entered	0.0	0.0

Hospital: MAYBERRY, NC  
Station Number: 999  
For Dates: JUN 01, 2004 to: JUN 30, 2004

INDEX PROCEDURES

	CASES	DEATHS	CASES WITH OCCURRENCES
Inguinal Hernia	13	0	0
Cholecystectomy	3	0	0
Coronary Artery Bypass	0	0	0
Colon Resection (L & R)	5	0	1
Fem-Pop Bypass	2	0	1
Pulmonary Lobectomy	0	0	0
Hip Replacement			
- Elective	7	0	2
- Acute Fracture	0	0	0
TURP	0	0	0
Laryngectomy	0	0	0
Craniotomy	0	0	0
Intraocular Lens	44	0	0

PERIOPERATIVE OCCURRENCE CATEGORIES

Wound Occurrences	Total	Urinary Occurrences	Total
A. Superficial Infection	6	A. Renal Insufficiency	2
B. Deep Wound Infection	0	B. Acute Renal Failure	0
C. Wound Disruption	0	C. Urinary Tract Infection	2
D. Other	0	D. Other	0
Respiratory Occurrences	Total	CNS Occurrences	Total
A. Pneumonia	7	A. CVA/Stroke	0
B. Unplanned Intubation	3	B. Coma >24 Hours	0
C. Pulmonary Embolism	0	C. Peripheral Nerve Injury	1
D. On Ventilator >48 Hours	4	D. Other	0
E. Tracheostomy	0		
F. Repeat Vent w/in 30 Days	0		
G. Other	0		
Cardiac Occurrences	Total	Other Occurrences	Total
A. Cardiac Arrest Req. CPR	0	A. Organ/Space SSI	0
B. Myocardial Infarction	1	B. Bleeding/Transfusions	1
C. Endocarditis	0	C. Graft/Prosthesis/Flap Failure	0
D. Low Cardiac Output >6 Hrs.	0	D. DVT/Thrombophlebitis	0
E. Mediastinitis	0	E. Systemic Sepsis	2
F. Repeat Card Surg Proc	0	F. Reoperation for Bleeding	0
G. New Mech Circulatory Sup	1	G. C. difficile Colitis	2
H. Other	0	H. Other	1

Clean Wound Infection Rate: 2.1

Hospital: MAYBERRY, NC Station Number: 999  
For Dates: APR 01, 2004 to: JUN 30, 2004 Fiscal Year: 2004

	Total Cases	% of Total
Surgical Cases	1315	100.0
Major Procedures	973	74.0
ASA Class (1)	34	3.5
ASA Class (2)	305	31.3
ASA Class (3)	579	59.5
ASA Class (4)	54	5.5
ASA Class (5)	0	0.0
ASA Class (6)	0	0.0
ASA Class (Not Entered)	1	0.1
Postoperative Deaths	10	0.8
Ambulatory: 3		
Postoperative Occurrences	17	1.3
Ambulatory Procedures	794	60.4
Admitted Within 14 Days: 2		
Invasive Diagnostic: 146		
Inpatient Procedures	521	39.6
Emergency Procedures	45	3.4
Age>60 Years	729	55.4

SPECIALTY PROCEDURES

	PATIENTS	CASES	MAJOR	MINOR	---DEATHS---	
					TOTAL	%
48 CARDIAC SURGERY	40	40	40	0	0	0.0
49 TRANSPLANTATION	0	0	0	0	0	0.0
50 GENERAL SURGERY	140	147	147	0	4	2.7
51 OB/GYN	9	9	9	0	0	0.0
52 NEUROSURGERY	53	56	56	0	1	1.8
53 OPHTHALMOLOGY	186	208	204	4	0	0.0
54 ORTHOPEDICS	156	162	159	3	1	0.6
55 EAR, NOSE, THROAT (ENT)	90	95	93	2	0	0.0
56 PLASTIC SURGERY	40	44	44	0	0	0.0
57 PROCTOLOGY	0	0	0	0	0	0.0
58 THORACIC SURGERY	19	22	22	0	0	0.0
59 UROLOGY	279	321	102	219	3	0.9
60 ORAL SURGERY	14	14	14	0	0	0.0
61 PODIATRY	36	42	42	0	0	0.0
62 PERIPHERAL VASCULAR	39	41	41	0	1	2.4
78 ANESTHESIOLOGY	99	114	0	114	0	0.0

LEVEL OF RESIDENT SUPERVISION (%)

	MAJOR	MINOR
Level A	0.2	53.5
Level B	95.4	36.3
Level C	2.1	0.0
Level D	2.4	0.3
Level E	0.0	0.0
Level F	0.0	0.0
Level Not Entered	0.0	9.9



## Example 2: Deaths Within 30 Days of Surgery - Specialty Procedures

Select Quarterly Report Menu Option: **D** Deaths Within 30 Days of Surgery

### Deaths Within 30 Days of Surgery

This report lists patients who had surgery within the selected date range, who died within 30 days of surgery and whose deaths are included on the Quarterly/Summary Report.

Start with Date: **4/1** (APR 01, 2005)

End with Date: **4/30** (APR 30, 2005)

Print report for which section of Quarterly/Summary Report ?

1. Total Cases Summary
2. Specialty Procedures
3. Index Procedures

Select number: 1// **2** Specialty Procedures

Do you want the report for all National Surgical Specialties ? YES// **<Enter>**

This report is designed to use a 132 column format.

Print the report to which Printer ? **[Select Print Device]**

.....*printout follows*.....

MAYBERRY, NC  
 DEATHS WITHIN 30 DAYS OF SURGERY LISTED FOR SPECIALTY PROCEDURES  
 FOR SURGERY PERFORMED FROM: APR 1,2005 TO: APR 30,2005  
 Report Printed: MAY 18,2005@12:38

OP DATE CASE #	PATIENT NAME PATIENT ID# (AGE)	DATE OF DEATH PROCEDURE(S)	LOCAL SPECIALTY	IN/OUT	DEATH RELATED
=====					
>>> GENERAL SURGERY <<<					
04/24/05 32693	SURPATIENT,FORTY 000-77-7777 (70)	05/12/05 CLOSURE OF ABDOMINAL WALL FASCIA	GENERAL (OR WHEN NOT DEFINED BELOW)	INPAT	UNRELATED

TOTAL DEATHS FOR GENERAL SURGERY: 1

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>>> THORACIC SURGERY <<<					
04/26/05 32702	SURPATIENT,TEN 000-12-3456 (68)	05/12/05 RIGHT THORACOTOMY WITH LUNG BIOPSY DIAPHRAGM BIOPSY	THORACIC SURGERY (INC. CARDIAC SURG.)	INPAT	UNRELATED
04/21/05 32567	SURPATIENT,SIXTY 000-56-7821 (40)	04/30/05 ESOPHAGECTOMY ESOPHAGOSCOPY BRONCHOSCOPY FEEDING TUBE JEJUNOSTOMY	THORACIC SURGERY (INC. CARDIAC SURG.)	INPAT	RELATED

TOTAL DEATHS FOR THORACIC SURGERY: 2

TOTAL FOR ALL SPECIALTIES: 3