

# Technical Notes

## Hospital-acquired Infections in Pennsylvania

Calendar Year 2007 Data

and

**Number and Rate of Hospital-acquired Infections, CY 2006**

The Pennsylvania Health Care Cost Containment Council  
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## OVERVIEW

This document, the *Technical Notes*, accompanies the Pennsylvania Health Care Cost Containment Council's (PHC4) *Hospital-acquired Infections in Pennsylvania, 2007* report. The report provides hospital-acquired infection (HAI) data confirmed and reported to PHC4 by general acute care hospitals for patients discharged during calendar year 2007. Information is provided for the following infections that were contracted while in the hospital: urinary tract infections; pneumonias; bloodstream infections; surgical site infections; gastrointestinal infections; other infections, which include bone and joint, central nervous system, cardiovascular system, lower respiratory system (other than pneumonia), reproductive system, skin and soft tissue infections; and multiple infections. The following measures are included:

- Number of cases with and without HAIs
- The HAI rate per 1,000 cases
- The number and percent of mortalities
- Average length of stay in days (mean and median)
- Average charge (mean and median)

Consistent with the notion that we should all strive toward a goal of zero infections, the information in this report is based on actual, rather than risk-adjusted, numbers. Concerns regarding risk-adjustment were addressed in two ways. First, patients being treated for burns, undergoing organ transplants, or being treated for complications of an organ transplant were excluded from the report, because they may have been at a greater risk of acquiring an infection while in a hospital. Second, hospital peer groups were created to ensure that hospitals offering similar types and complexity of services and treating a similar number of patients are displayed together.

The 2005 and 2006 *Hospital-acquired Infections in Pennsylvania* reports emphasized the importance of comparing a hospital's rates over time, rather than comparing hospitals to one another. To assist the reader in this endeavor, the number of and the rate of HAIs per 1,000 cases for calendar year 2006 is displayed next to the number and rate for calendar year 2007.

The following pages of the *Technical Notes* describe the data collection process and the methodology of the analyses.

## DATA COLLECTION AND VERIFICATION

The data for PHC4's report on HAIs was submitted electronically on a quarterly basis to PHC4 by Pennsylvania general acute care (GAC) hospitals. The data submitted by hospitals included demographic information, hospital charges, diagnosis and procedure codes, and HAI codes. The standard verification process included quality assurance and data quality checks.

In developing the guidelines for HAI data submission, PHC4 adopted the Centers for Disease Control and Prevention's (CDC's) definition of an HAI: an infection is a localized or systemic condition that 1) results from adverse reaction to the presence of an infectious agent(s) or its toxin(s), and 2) was not present or incubating at the time of admission to the hospital. The CDC's HAI surveillance system, known as the National Health System Network (NHSN) includes 13 major site categories that define the HAI location. PHC4 expanded this list to include a category for multiple infections and to differentiate device-associated and non device-associated infections. The HAI type was identified by a two-digit code (see Appendix A for a list of codes). Hospital personnel entered the relevant HAI code when a HAI was present. Hospitals needed to submit HAIs identified during the inpatient stay with the following exceptions: 1) the hospitalization was a readmission due to an HAI; 2) the patient was one year of age or younger; 3) the case was assigned to Major Diagnostic Category (MDC) 19 Mental Diseases and Disorders or MDC 20 Alcohol/Drug Use and Alcohol/Drug-Induced Organic Mental Disorders; 4) the HAI was a systemic infection, or an eye, ear, nose, throat, or mouth infection (including upper respiratory infections); and 5) the patient acquired a surgical site infection that was not associated with one of the procedure codes listed in Appendix C.

The updated Pennsylvania Uniform Claims and Billing Form (effective Quarter 3-2007) that hospitals used to submit data to PHC4 for Quarters 3 and 4 of 2007 provided an opportunity for hospitals to report more specific data on several existing HAI types. Outlined below are descriptions of the additional information collected and how the data was treated in the 2007 analysis to ensure that the 2007 results were comparable to the 2006 results:

- Gastrointestinal Infections – a new HAI code (29) was added to differentiate “Intestinal Infection due to *Clostridium difficile*” from gastrointestinal system infections due to other micro-organisms (HAI code 09). For 2007, all cases with gastrointestinal infections were reported as one category. That is, infections submitted with an HAI code 09 and those submitted with an HAI code 29 were added together and reported in the gastrointestinal category.
- Multiple HAIs – Additional fields were added so that hospitals could report up to 10 HAI codes per patient record, rather than being limited to the multiple infection code (14). For 2007, multiple infections were reported in one category. That is, all cases with either an HAI code 14 or that listed more than one infection, which hospitals needed to submit to PHC4, were reported in the multiple infection category.
- Surgical Site Infections – Additional fields were added so that hospitals could submit surgical site infections that were identified during readmission hospitalizations. Specifically, surgical site infections that occurred within 30 days after the operative procedure, if no implant was left in place, and within one year, if an implant was in place and the infection appeared to be related to the operative procedure. For 2007, surgical site infections that hospitals reported as being associated with a procedure that was performed in a previous hospitalization were not included in the analysis.

## STUDY POPULATION

The study population for the report included inpatient discharges from general acute care (GAC) facilities in Pennsylvania during calendar year 2007. Duplicate records were excluded from the analysis; if a facility submitted more than one record for a quarter with the same control number, only the record with the most information was retained for analysis. Only cases meeting the parameters for which hospitals would have needed to report HAIs were retained in the analysis. That is, patients one year of age and under and/or the cases assigned to MDC 19 Mental Diseases and Disorders or MDC 20 Alcohol/Drug Use and Alcohol/Drug-Induced Organic Mental Disorders were excluded.

Of the cases that met the criteria for reporting an HAI, burn patients, organ transplant patients, and patients with complications of an organ transplant were excluded from the study population. These patients, due to the nature of their condition, may have been at a substantially higher risk of developing an HAI. See Appendix B for a list of the ICD-9-CM diagnosis and procedure codes that defined the exclusions. Table 1 provides exclusion detail for the study population, cases were removed in the order the exclusions are listed. Table 2 provides information on the number of cases with an HAI that were excluded from the analysis.

**Table 1. Study Population Exclusions**

	<b>Total Cases</b>	
	<b>#</b>	<b>%</b>
Total cases prior to exclusion	1,832,981	100.00
<i>Exclusions:</i>		
<i>Duplicate records</i>	125	< 0.1
<i>Cases ≤ 1 year of age or missing age</i>	160,664	8.8
<i>Cases assigned to MDC 19 or 20</i>	83,489	4.6
<i>Cases with burns</i>	2,365	0.1
<i>Cases with organ transplants or complications of transplants</i>	7,738	0.4
<i>Total exclusions</i>	254,381	13.9
<b>Total cases included in the analysis</b>	<b>1,578,600</b>	<b>86.1</b>

**Table 2. Cases with an HAI Excluded from the Study Population**

	<b>Cases with an HAI</b>	
	<b># of Cases</b>	<b>% Cases</b>
Total cases with an HAI prior to exclusion	30,801	100.0
<i>Exclusions:</i>		
<i>Duplicate records</i>	5	< 0.1
<i>Cases ≤ 1 year of age or missing age</i>	117	0.4
<i>Cases assigned to MDC 19 or 20</i>	219	0.7
<i>Cases with burns</i>	108	0.4
<i>Cases with organ transplants or complications of transplants</i>	534	1.7
<i>Cases with HAIs that hospitals did not need to report (after above exclusions)</i>	1,869	6.1
<i>Total exclusions</i>	2,852	9.3
<b>Total cases with an HAI included in the analysis</b>	<b>27,949</b>	<b>90.7</b>

## HOSPITAL-ACQUIRED INFECTION MEASURES

The report provides volume, mortality, length of stay, and charge information for cases with and without HAIs for calendar year 2007 and volume information for calendar year 2006. Information for cases with HAIs is presented at the aggregate level and by the following HAI categories: urinary tract infections, pneumonias, bloodstream infections, surgical site infections, gastrointestinal infections, other infections, and multiple infections. If fewer than five cases were evaluated, the number of cases and the HAI rate are reported; however, mortality, length of stay, and charge information are not reported.

### Number of Cases

The report displays the total number of cases that met the study population criteria, the aggregate number of HAIs in the analysis, the number of HAIs in each infection category (e.g., urinary tract infections, surgical site infections), and the number of cases that did not have an HAI.

### Hospital-acquired Infection Rate per 1,000 Cases

For all HAI rates, except surgical site infections, the rate per 1,000 cases was calculated by dividing the number of HAI cases by the total number of cases with and without an HAI infection and multiplying by 1,000. For example:

Cases with HAI rate:

$$\frac{27,949 \text{ (number of HAIs)}}{1,578,600 \text{ (total number of cases)}} \times 1,000 = 17.7$$

Urinary tract infection rate:

$$\frac{12,732 \text{ (number of urinary tract HAIs)}}{1,578,600 \text{ (total number of cases)}} \times 1,000 = 8.1$$

For surgical site infections, only cases with one of the ICD-9-CM procedure codes in Appendix C relevant for the quarter in which the patient was discharged were included in the denominator.

Surgical site infection rate:

$$\frac{1,619 \text{ (number of surgical site HAIs)}}{412,314 \text{ (total number of surgical cases)}} \times 1,000 = 3.9$$

### Number and Percent Mortality

The number and percent mortality are the number and percent of patients who died during the hospitalization. All in-hospital deaths were counted in this analysis, regardless of the cause of death. The deaths of patients with HAIs were not necessarily related to the HAI.

### Average Length of Stay in Days

Both the mean and median length of stay in days are reported. The length of stay for each patient was calculated by subtracting the admission date from the discharge date. The mean was calculated by summing all of the length of stay values in a particular category and dividing by the number of cases in the category. The median is the middle value in the particular category; if there were two middle values, the mean of these two values was computed. Note that differences in the average length of stay between patients with and without HAIs were not necessarily caused by the HAI.

## Average Charge

Both the mean and median charge are reported. The mean was calculated by summing all of the charge values in a particular category and dividing by the number of cases in the category. The median is the middle value in the particular category; if there were two middle values, the mean of these two values was computed. Charges do not reflect professional fees (e.g., physician fees) and do not necessarily reflect the amount that a hospital is reimbursed. Note that differences in the average charge between patients with and without HAIs were not necessarily caused by the HAI.

## PEER GROUPS

The four peer groups identified in the report were developed so that infection data for hospitals with similar characteristics would be displayed together. Hospitals were grouped according to the complexity of services offered, the number of patients treated, and the percent of surgical procedures performed. The hospitals using electronic surveillance to identify HAIs and submit data are included in the four peer groups. The quarter that each hospital began using electronic surveillance to identify HAIs is noted in the report. The electronic surveillance hospitals were identified through hospitals' responses to PHC4's inquiry regarding the use of electronic surveillance.

Peer Group 1 includes hospitals that provided more complex services than Peer Groups 2, 3, and 4. Hospitals that were designated as trauma centers are included in this group. All of the hospitals in Peer Group 1 performed open heart surgery. They treated an average of 25,620 patients a year. On average, 38 percent of these patients underwent surgical procedures.

Peer Group 2 includes hospitals that provided more complex services than Peer Groups 3 and 4. All of the hospitals in Peer Group 2 performed open heart surgery. They treated an average of 10,820 patients a year. On average, 34 percent of these patients underwent surgical procedures.

Peer Group 3 treated an average of 7,500 patients a year. On average, 25 percent of these patients underwent surgical procedures. None of the hospitals in Peer Group 3 performed open heart surgery.

Peer Group 4 hospitals treated an average of 1,870 patients a year. On average, 19 percent of these patients underwent surgical procedures. None of the hospitals in Peer Group 4 performed open heart surgery.



# ***APPENDICES***

## Appendix A

### Codes for Reporting Confirmed Hospital-acquired Infections

- 01 = Indwelling Urinary Catheter-Associated Urinary Tract Infection
- 02 = Surgical Site Infection
- 03 = Ventilator-Associated Pneumonia
- 04 = Central Line-Associated Bloodstream Infection
- 05 = Bone and Joint Infection
- 06 = Central Nervous System Infection
- 07 = Cardiovascular System Infection
- 08 = Eye, Ear, Nose, Throat, or Mouth Infection, Including Upper Respiratory Infections<sup>1</sup>
- 09 = Gastrointestinal System Infection, Other Than Intestinal Infection due to *Clostridium difficile*<sup>2</sup>
- 10 = Lower Respiratory Tract Infection, Other Than Pneumonia
- 11 = Reproductive Tract Infection
- 12 = Skin and Soft Tissue Infection
- 13 = Systemic Infection<sup>1</sup>
- 14 = Multiple Infections<sup>3</sup>
- 21 = Urinary Tract Infection (not associated with an indwelling urinary catheter)
- 23 = Pneumonia (not associated with a mechanical ventilator)
- 24 = Bloodstream Infection (not associated with a central line)
- 29 = Intestinal Infection Due to *Clostridium difficile*<sup>4</sup>
- 99 = No Hospital-acquired Infection Present

<sup>1</sup> Hospitals did not need to report this infection type to PHC4.

<sup>2</sup> Effective 07/01/2007, the definition of this code was changed from "Gastrointestinal System Infection" to Gastrointestinal System Infection, Other Than Intestinal Infection due to *Clostridium difficile*. For Q1 and Q2-2007, all gastrointestinal system infections including those due to *Clostridium difficile* were reported to PHC4 using this code.

<sup>3</sup> Invalid 07/01/2007. This code was discontinued when the use of the UB-04 form allowed hospitals to identify up to 10 HAIs per patient record.

<sup>4</sup> This code was effective 07/01/2007.

## Appendix B

### Exclusion Definitions: ICD-9-CM Codes

ICD-9-CM Code (any position)	Description
<b>Burns</b>	
940.x*	Burn confined to eye and adnexa
941.xx*	Burn of face, head, and neck
942.xx*	Burn of trunk
943.xx*	Burn of upper limb, except wrist and hand
944.xx*	Burn of wrist(s) and hand(s)
945.xx*	Burn of lower limbs
946.x*	Burns of multiple specified sites
947.x*	Burn of internal organs
948.xx*	Burns classified according to extent of body surface involved
949.x*	Burn, unspecified
<b>Organ Transplant Procedures and Complications of Organ Transplants</b>	
33.50	Lung transplantation, not otherwise specified
33.51	Unilateral lung transplantation
33.52	Bilateral lung transplantation
33.6	Combined heart-lung transplantation
37.51	Heart transplantation
37.52	Implantation of total replacement heart system
37.53	Replacement or repair of thoracic unit of total replacement heart system
41.00	Bone marrow transplant, not otherwise specified
41.02	Allogeneic bone marrow transplant with purging
41.03	Allogeneic bone marrow transplant without purging
41.09	Autologous bone marrow transplant with purging
41.94	Transplantation of spleen
46.97	Transplant of intestine
50.51	Auxiliary liver transplant
50.59	Other transplant of liver
52.80	Pancreatic transplant, not otherwise specified
52.82	Homotransplant of pancreas
52.83	Heterotransplant of pancreas
55.61	Renal autotransplantation
55.69	Other kidney transplantation
996.80	Complications of transplanted organ, unspecified
996.81	Complications of transplanted kidney
996.82	Complications of transplanted liver
996.83	Complications of transplanted heart
996.84	Complications of transplanted lung
996.85	Complications of transplanted bone marrow
996.86	Complications of transplanted pancreas
996.87	Complications of transplanted intestine
996.89	Complications of other specified transplanted organ

\*Codes ending in .xx refer only to 5-digit codes (do not include 4-digit codes). Codes ending in .x refer only to 4-digit codes (do not include 5-digit codes).

## Appendix C

### ICD-9-CM Procedure Codes for Surgical Site Infections

**Key for PHC4 Surgical Category**

CV	Circulatory system
ENDO	Endocrine system
GI	Gastrointestinal system
GU	Genitourinary system
HMLYM	Hemic and lymphatic system
NS	Neurosurgery
ORT	Orthopedic surgery
REPRO	Reproductive system
RESP	Respiratory system
SKIN	Skin and soft tissue

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
CV	AAA	38.34	AORTA RESECTION W ANASTOMOSIS
CV	AAA	38.44	ABD AORTA RESECTION W REPLACEMENT
CV	AVSD	39.27	ARTERIOVENOSTOMY FOR RENAL DIALYSIS
CV	CARD	35.00	CLOSED VALVOTOMY NOS
CV	CARD	35.01	CLOSED AORTIC VALVOTOMY
CV	CARD	35.02	CLOSED MITRAL VALVOTOMY
CV	CARD	35.03	CLOSED PULMON VALVOTOMY
CV	CARD	35.04	CLOSED TRICUSP VALVOTOMY
CV	CARD	35.10	OPEN VALVULOPLASTY NOS
CV	CARD	35.11	OPN AORTIC VALVULOPLASTY
CV	CARD	35.12	OPN MITRAL VALVULOPLASTY
CV	CARD	35.13	OPN PULMON VALVULOPLASTY
CV	CARD	35.14	OPN TRICUSP VALVULOPLAST
CV	CARD	35.20	REPL HEART VALVE NOS
CV	CARD	35.21	REPL AORTIC VALVE-TISSUE
CV	CARD	35.22	REPL AORTIC VALVE NEC
CV	CARD	35.23	REPL MITRAL VALVE W TISS
CV	CARD	35.24	REPL MITRAL VALVE NEC
CV	CARD	35.25	REPL PULMON VALVE W TISS
CV	CARD	35.26	REPL PULMONARY VALVE NEC
CV	CARD	35.27	REPL TRICUSP VALVE-TISS
CV	CARD	35.28	REPL TRICUSP VALVE NEC
CV	CARD	35.31	PAPILLARY MUSCLE OPS
CV	CARD	35.32	CHORDAE TENDINEAE OPS
CV	CARD	35.33	ANNULOPLASTY
CV	CARD	35.34	INFUNDIBULECTOMY
CV	CARD	35.35	TRABEC CARNEAE CORDIS OP
CV	CARD	35.39	TISS ADJ TO VALV OPS NEC
CV	CARD	35.42	CREATE HRT SEPTAL DEFECT
CV	CARD	35.50	PROSTH REP HRT SEPTA NOS
CV	CARD	35.51	PROSTH REP ASD OPEN TECH
CV	CARD	35.53	OPEN PROSTH REP VSD
CV	CARD	35.54	REPAIR ECD W PROSTHESIS
CV	CARD	35.60	GRFT REPAIR HRT SEPT NOS
CV	CARD	35.61	REPAIR ASD W TISS GRAFT
CV	CARD	35.62	REPAIR VSD W TISS GRAFT
CV	CARD	35.63	REPAIR ECD W TISS GRAFT
CV	CARD	35.70	HEART SEPTA REP NEC&NOS
CV	CARD	35.71	REPAIR ASD NEC & NOS
CV	CARD	35.72	REPAIR VSD NEC & NOS
CV	CARD	35.73	REPAIR ECD NEC & NOS

## Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
CV	CARD	35.81	TOT REP TETRALOGY FALLOT
CV	CARD	35.82	TOTAL REPAIR OF TAPVC
CV	CARD	35.83	TOT REP TRUNCUS ARTERIOS
CV	CARD	35.84	TOT CORRECT GV TRANSPOS
CV	CARD	35.91	I/A TRANSPOS VEN RETURN
CV	CARD	35.92	CREAT CONDUIT RT VENT-PA
CV	CARD	35.93	CONDUIT LEFT VENT-AORTA
CV	CARD	35.94	CREAT CONDUIT ATRIUM-PA
CV	CARD	35.95	HEART REPAIR REVISION
CV	CARD	35.98	HEART SEPTA OPS NEC
CV	CARD	35.99	HEART VALVE OPS NEC
CV	CARD	37.10	HEART INCISION NOS
CV	CARD	37.11	CARDIOTOMY
CV	CARD	37.31	PERICARDIECTOMY
CV	CARD	37.32	HEART ANEURYSM EXCISION
CV	CARD	37.33	HEART LES EXC NEC-OPEN
CV	CARD	37.34	HEART LES EXC APPR NEC
CV	CARD	37.35	PART VENTRICULECTOMY
CV	CARD	37.41	IMPL PROSTH CARDIAC SUPPORT DEV AROUND HEART
CV	CARD	37.49	OTHER REPAIR HEART & PERICARDIUM
CV	CBGB	36.10	AORTOCORONARY BYPASS NOS
CV	CBGB	36.11	AO-COR BYPASS-1 COR ART
CV	CBGB	36.12	AO-COR BYPASS-2 COR ART
CV	CBGB	36.13	AO-COR BYPASS-3 COR ART
CV	CBGB	36.14	AO-COR BYPASS-4+ COR ART
CV	CBGB	36.19	HRT REVASC BYP ANAST NEC
CV	CBGC	36.15	1 INT MAM-COR ART BYPASS
CV	CBGC	36.16	2 INT MAM-COR ART BYPASS
CV	CBGC	36.17	ABD-CORONARY ART BYPASS
CV	CBGC	36.2	ARTERIAL IMPLANT REVASC
CV	CEA	38.12	HEAD/NK ENDARTERECT NEC
CV	HTP	37.51	HEART TRANSPLANTATION
CV	HTP	37.52	TOT REPL HEART SYST IMPL
CV	HTP	37.53	REPL THOR UNIT TOT SYST
CV	HTP	37.54	REPL IMPL COMPONENT NEC
CV	PACE	37.70	INSERT PACER LEAD NOS
CV	PACE	37.71	INSERT TV LEAD-VENTRICLE
CV	PACE	37.72	INSERT TV LEAD-ATR&VENT
CV	PACE	37.73	INSERT TV LEAD-ATRIUM
CV	PACE	37.74	INSERT EPICARDIAL LEAD
CV	PACE	37.75	REVISION PACEMAKER LEAD
CV	PACE	37.76	REPL TRANSVENOUS LEAD
CV	PACE	37.77	REMOVAL PACEMAKER LEAD
CV	PACE	37.79	REV PACEMAKER POCKET
CV	PACE	37.80	INSERT PACEMAKER DEV NOS
CV	PACE	37.81	INSERT SINGLE CHAMB DEV
CV	PACE	37.82	INSERT RATE-RESPON DEV
CV	PACE	37.83	INSERT DUAL-CHAMBER DEV
CV	PACE	37.85	REPL W 1-CHAMBER DEVICE
CV	PACE	37.86	REPL W RATE-RESPON DEV
CV	PACE	37.87	REPL W DUAL-CHAMB DEVICE
CV	PACE	37.89	REV/RMVL PACEMAKER DEV
CV	PACE	37.94	IMPL/REPL AICD TOT SYST

## Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
CV	PACE	37.95	IMPLANT AICD LEAD ONLY
CV	PACE	37.96	IMPL AICD GENERATOR
CV	PACE	37.97	REPLACE AICD LEAD ONLY
CV	PACE	37.98	REPL AICD GENERATOR ONLY
CV	PACE	37.99	OTH OPS HRT/PERICARDIUM
CV	PVBY	39.29	VASC SHUNT & BYPASS NEC
CV	OTH	00.56	INSERT/REPL IMPL PRESSURE SENSOR
CV	OTH	00.57	IMPL/REPL SUBQ DEV INTRACARD MONITOR
CV	OTH	36.31	OPEN TRANSMYO REVASC
CV	OTH	36.32	TRANSMYO REVASC NEC
CV	OTH	36.33	ENDOSCOP TRANSMYO REVASC
CV	OTH	36.39	HEART REVASC NEC
CV	OTH	36.91	COR VESSEL ANEURYSM REP
CV	OTH	36.99	HEART VESSEL OPS NEC
CV	OTH	37.12	PERICARDIOTOMY
CV	OTH	37.61	PULSATION BALLOON IMPL
CV	OTH	37.62	IMPL HRT ASSIST SYST NEC
CV	OTH	37.63	REPL HEART ASSIST SYSTEM
CV	OTH	37.64	RMVL HEART ASSIST SYSTEM
CV	OTH	37.65	IMPL EXT PULSATILE HAS
CV	OTH	37.66	IMPL IMPL PULSATILE HAS
CV	OTH	37.67	CARDIOMYOSTIM SYST IMPL
CV	OTH	37.91	OPN CHEST CARD MASSAGE
CV	OTH	38.00	INCISION OF VESSEL NOS
CV	OTH	38.02	HEAD/NECK VESS INC NEC
CV	OTH	38.03	UPPER LIMB VESSEL INC
CV	OTH	38.04	INCISION OF AORTA
CV	OTH	38.05	THORACIC VESSEL INC NEC
CV	OTH	38.06	ABDOMINAL ART INCISION
CV	OTH	38.07	ABDOMINAL VEIN INCISION
CV	OTH	38.08	LOWER LIMB ARTERY INC
CV	OTH	38.09	LOWER LIMB VEIN INCISION
CV	OTH	38.10	ENDARTERECTOMY NOS
CV	OTH	38.13	UPPER LIMB ENDARTERECT
CV	OTH	38.14	ENDARTERECTOMY OF AORTA
CV	OTH	38.15	THORACIC ENDARTERECTOMY
CV	OTH	38.16	ABDOMINAL ENDARTERECTOMY
CV	OTH	38.18	LOWER LIMB ENDARTERECT
CV	OTH	38.30	VESSEL RESECT/ANAST NOS
CV	OTH	38.32	OTH HN VESS RESECT/ANAST
CV	OTH	38.33	ARM VESSEL RESECT/ANAST
CV	OTH	38.35	THOR VESSEL RESECT/ANAST
CV	OTH	38.36	ABD VESSEL RESECT/ANAST
CV	OTH	38.37	ABD VEIN RESECT W ANAST
CV	OTH	38.38	LE ARTERY RESECT W ANAST
CV	OTH	38.39	LE VEIN RESECT W ANAST
CV	OTH	38.40	VESSEL RESECT W REPL NOS
CV	OTH	38.42	HN VESSEL RESECT W REPL
CV	OTH	38.43	ARM VESS RESECT W REPL
CV	OTH	38.45	THOR VESS RESECT W REPL
CV	OTH	38.46	ABD ARTERY RESECT W REPL
CV	OTH	38.47	ABD VEIN RESECT W REPL
CV	OTH	38.48	LEG ARTERY RESECT W REPL

## Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
CV	OTH	38.49	LEG VEIN RESECT W REPL
CV	OTH	38.50	VV LIG&STRIP NOS
CV	OTH	38.52	HEAD/NECK VV LIG&STRIP
CV	OTH	38.53	ARM VV LIG&STRIP
CV	OTH	38.55	THORACIC VV LIG&STRIP
CV	OTH	38.57	ABD VV LIG&STRIP
CV	OTH	38.59	LOWER LIMB VV LIG&STRIP
CV	OTH	38.60	EXCISION OF VESSEL NOS
CV	OTH	38.62	HEAD/NECK VESSEL EXC NEC
CV	OTH	38.63	UP LIMB VESSEL EXC NEC
CV	OTH	38.64	EXCISION AORTA NEC
CV	OTH	38.65	THORACIC VESSEL EXC NEC
CV	OTH	38.66	ABD ARTERY EXCISION NEC
CV	OTH	38.67	ABD VEIN EXCISION NEC
CV	OTH	38.68	LOW LIMB ARTERY EXC NEC
CV	OTH	38.69	LOWER LIMB VEIN EXC NEC
CV	OTH	38.80	OTH SURG VESSEL OCCL NOS
CV	OTH	38.82	OCCL HEAD/NECK VESS NEC
CV	OTH	38.83	OCCL UPPER LIMB VESS NEC
CV	OTH	38.84	SURG OCCL AORTA NEC
CV	OTH	38.85	OCCL THORACIC VESS NEC
CV	OTH	38.86	SURG OCCL ABD ARTERY NEC
CV	OTH	38.87	SURG OCCL ABD VEIN NEC
CV	OTH	38.88	OCCL LOWER LIMB ART NEC
CV	OTH	38.89	OCCL LOWER LIMB VEIN NEC
CV	OTH	39.0	SYSTEMIC TO PA SHUNT
CV	OTH	39.1	INTRA-ABD VENOUS SHUNT
CV	OTH	39.21	CAVAL-PA ANASTOMOSIS
CV	OTH	39.22	AORTA-SCL-CAROTID BYPASS
CV	OTH	39.23	INTRATHORACIC SHUNT NEC
CV	OTH	39.24	AORTA-RENAL BYPASS
CV	OTH	39.25	AORTA-ILIAC-FEMORAL BYP
CV	OTH	39.26	INTRA-ABD VASC SHUNT NEC
CV	OTH	39.30	SUTURE OF VESSEL NOS
CV	OTH	39.31	SUTURE OF ARTERY
CV	OTH	39.32	SUTURE OF VEIN
CV	OTH	39.41	POSTOP VASC HEMOR CNTRL
CV	OTH	39.42	REV AV SHUNT FOR RD
CV	OTH	39.43	RMVL AV SHUNT FOR RD
CV	OTH	39.49	VASCULAR PX REVISION NEC
CV	OTH	39.51	CLIPPING OF ANEURYSM
CV	OTH	39.52	ANEURYSM REPAIR NEC
CV	OTH	39.53	AV FISTULA REPAIR
CV	OTH	39.54	AORTA RE-ENTRY OPERATION
CV	OTH	39.55	REIMPLANT ABER REN VESS
CV	OTH	39.56	REP VESS W TISS PATCH
CV	OTH	39.57	REP VESS W SYNTH PATCH
CV	OTH	39.58	REP VESS W PATCH NOS
CV	OTH	39.59	REPAIR OF VESSEL NEC
CV	OTH	39.8	VASCULAR BODY OPERATIONS
NS	CRAN	01.12	OPEN CEREB MENINGES BX
NS	CRAN	01.14	OPEN BIOPSY OF BRAIN
NS	CRAN	01.21	I&D OF CRANIAL SINUS

**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
NS	CRAN	01.22	RMVL IC NEUROSTIMULATOR
NS	CRAN	01.23	REOPEN CRANIOTOMY SITE
NS	CRAN	01.24	CRANIOTOMY NEC
NS	CRAN	01.25	CRANIECTOMY NEC
NS	CRAN	01.28	INSERT INTRACEREBRAL CATH VIA BURR HOLE
NS	CRAN	01.31	INC CEREBRAL MENINGES
NS	CRAN	01.32	LOBOTOMY & TRACTOTOMY
NS	CRAN	01.39	BRAIN INCISION NEC
NS	CRAN	01.41	THALAMUS OPERATIONS
NS	CRAN	01.42	GLOBUS PALLIDUS OPS
NS	CRAN	01.51	EXC CEREB MENINGEAL LES
NS	CRAN	01.52	HEMISPHERECTOMY
NS	CRAN	01.53	BRAIN LOBECTOMY
NS	CRAN	01.59	EXC/DESTR BRAIN LES NEC
NS	CRAN	02.11	SIMPLE SUTURE OF DURA
NS	CRAN	02.12	REP CEREBRAL MENING NEC
NS	CRAN	02.13	MENING VESSEL LIGATION
NS	CRAN	02.14	CHOROID PLEXECTOMY
NS	CRAN	02.91	LYSIS CORTICAL ADHESION
NS	CRAN	02.92	BRAIN REPAIR
NS	CRAN	07.51	PINEAL FIELD EXPLORATION
NS	CRAN	07.52	PINEAL GLAND INCISION
NS	CRAN	07.53	PARTIAL PINEALECTOMY
NS	CRAN	07.54	TOTAL PINEALECTOMY
NS	CRAN	07.59	PINEAL GLAND OPS NEC
NS	CRAN	07.61	EXC PIT LES-TRANSFRONTAL
NS	CRAN	07.62	EXC PIT LES-TRANSSPHEN
NS	CRAN	07.63	PART EXC PIT GLAND NOS
NS	CRAN	07.64	TOT EXC PIT-TRANSFRONTAL
NS	CRAN	07.65	TOT EXC PIT-TRANSSPHEN
NS	CRAN	07.68	TOTAL EXC PITUITARY NEC
NS	CRAN	07.69	TOTAL EXC PITUITARY NOS
NS	CRAN	07.71	PITUITARY FOSSA EXPL
NS	CRAN	07.72	PITUITARY GLAND INCISION
NS	CRAN	07.79	OTHER OPS ON HYPOPHYSIS
NS	CRAN	38.01	INCISION OF IC VESS
NS	CRAN	38.11	ENDARTERECTOMY IC VESS
NS	CRAN	38.31	IC VESSEL RESECT W ANAST
NS	CRAN	38.41	IC VESSEL RESECT W REPL
NS	CRAN	38.51	IC VV LIG&STRIP
NS	CRAN	38.61	IC VESSELS EXC NEC
NS	CRAN	38.81	OCCLUSION IC VESSELS NEC
NS	CRAN	39.28	EC-IC VASCULAR BYPASS
NS	FUSN	81.00*	SPINAL FUSION NOS
NS	FUSN	81.01*	ATLAS-AXIS SPINAL FUSION
NS	FUSN	81.02*	ANT CERVICAL FUSION NEC
NS	FUSN	81.03*	POST CERVICAL FUSION NEC
NS	FUSN	81.04*	ANTERIOR DORSAL FUSION
NS	FUSN	81.05*	POSTERIOR DORSAL FUSION
NS	FUSN	81.06*	ANTERIOR LUMBAR FUSION
NS	FUSN	81.07*	LAT TRANS LUMBAR FUSION

\* Procedure code may be categorized as either NS or ORT.



**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
NS	FUSN	81.08*	POSTERIOR LUMBAR FUSION
NS	FUSN	81.62*	FUSION/REFUSION 2-3 VERT
NS	FUSN	81.63*	FUSION/REFUSION 4-8 VERT
NS	FUSN	81.64*	FUSION/REFUSION >8 VERT
NS	FUSN	84.51*	INSERT INTERBODY FUS DEV
NS	FUSN	84.52*	INSERT RECOMBINANT BONE
NS	LAM	03.01*	REMOVAL FB SPINAL CANAL
NS	LAM	03.02*	REOPEN LAMINECTOMY SITE
NS	LAM	03.09*	SPINAL CANAL EXPL NEC
NS	LAM	80.50*	IV DISC EXC/DESTR NOS
NS	LAM	80.51*	IV DISC EXCISION
NS	LAM	80.59*	IV DISC DESTRUCTION NEC
NS	LAM	84.58*†	IMPL INTERSPINOUS PROCESS DECOMP DEV
NS	LAM	84.80*‡	INSER/REPLAC INTERSPINOUS PROC DEV
NS	LAM	84.81*‡	REV INTERSPINOUS PROC DEV
NS	LAM	84.82*‡	INSER/REPLAC PEDICLE DYN STAB DEV
NS	LAM	84.83*‡	REV PEDICLE DYN STAB DEV
NS	LAM	84.84*‡	INSER/REPLAC FACET REPLAC DEV
NS	LAM	84.85*‡	REV FACET REPLAC DEV
NS	RFUSN	81.30*	REFUSION SPINE NOS
NS	RFUSN	81.31*	ATLAS-AXIS REFUSION
NS	RFUSN	81.32*	ANT CERV REFUSION NEC
NS	RFUSN	81.33*	POST CERV REFUSION NEC
NS	RFUSN	81.34*	ANT DORSAL REFUSION
NS	RFUSN	81.35*	POST DORSAL REFUSION
NS	RFUSN	81.36*	ANT LUMBAR REFUSION
NS	RFUSN	81.37*	LAT TRANS LUMB REFUSION
NS	RFUSN	81.38*	POST LUMBAR REFUSION
NS	RFUSN	81.39*	REFUSION SPINE NEC
NS	VSHN	02.2	VENTRICULOSTOMY
NS	VSHN	02.31	VENT SHUNT-HEAD/NECK
NS	VSHN	02.32	VENT SHUNT TO CIRC SYST
NS	VSHN	02.33	VENT SHUNT-THOR CAVITY
NS	VSHN	02.34	VENT SHUNT TO ABD CAVITY
NS	VSHN	02.35	VENT SHUNT-URINARY SYST
NS	VSHN	02.39	OPS TO ESTAB VENT DRAIN
NS	VSHN	02.42	REPL VENTRICULAR SHUNT
NS	VSHN	02.43	RMVL VENTRICULAR SHUNT
NS	VSHN	54.95	PERITONEAL INCISION
NS	OTH	01.6	EXCISION OF SKULL LESION
NS	OTH	02.01	OPENING CRANIAL SUTURE
NS	OTH	02.02	ELEVATION SKULL FX FRAG
NS	OTH	02.03	CRAN BONE FLAP FORMATION
NS	OTH	02.04	BONE GRAFT TO SKULL
NS	OTH	02.05	SKULL PLATE INSERTION
NS	OTH	02.06	CRANIAL OSTEOPLASTY NEC
NS	OTH	02.07	SKULL PLATE REMOVAL
NS	OTH	02.94	INSERT/REPL SKULL TONGS
NS	OTH	02.95	RMVL SKULL TONGS/HALO

\* Procedure code may be categorized as either NS or ORT.

† Invalid 10/01/2007

‡ Effective 10/01/2007\*

**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
NS	OTH	02.99	OPS ON SKULL/BRAIN NEC
NS	OTH	03.1	INTRASPIN NERVE ROOT DIV
NS	OTH	03.29	CHORDOTOMY NEC
NS	OTH	03.4	EXC SPINAL CORD LESION
NS	OTH	03.51	SPINAL MENINGOCELE REP
NS	OTH	03.52	MYELOMENINGOCELE REPAIR
NS	OTH	03.53	VERTEBRAL FX REPAIR
NS	OTH	03.59	SPINAL STRUCT REPAIR NEC
NS	OTH	03.6	SPINAL CORD ADHESIOLYSIS
NS	OTH	03.71	SUBARACH-PERITON SHUNT
NS	OTH	03.72	SUBARACH-URETERAL SHUNT
NS	OTH	03.79	SPINAL THECAL SHUNT NEC
NS	OTH	03.97	REV SPINAL THECAL SHUNT
NS	OTH	03.98	RMVL SPINAL THECAL SHUNT
NS	OTH	04.01	EXC ACOUSTIC NEUROMA
NS	OTH	04.02	TRIGEMINAL NERVE DIV
NS	OTH	04.03	PERIPH/CRAN NERV DIV NEC
NS	OTH	04.04	PERIPH/CRAN NERV INC NEC
NS	OTH	04.05	GASSERIAN GANGLIONECTOMY
NS	OTH	04.06	CRAN GANGLIONECTOMY NEC
NS	OTH	04.07	PERIPH/CRAN NERV EXC NEC
NS	OTH	04.3	CRAN/PERIPH NERVE SUTURE
NS	OTH	04.41	DECOMP TRIGEMINAL ROOT
NS	OTH	04.42	CRANIAL NERVE DECOMP NEC
NS	OTH	04.43	CARPAL TUNNEL RELEASE
NS	OTH	04.44	TARSAL TUNNEL RELEASE
NS	OTH	04.49	PERIPH NERV ADHESIO NEC
NS	OTH	04.5	CRAN OR PERIPH NERV GRFT
NS	OTH	04.6	PERIPH NERVES TRANSPOS
NS	OTH	04.71	HYPOGLOSSAL-FACIAL ANAST
NS	OTH	04.72	ACCESSORY-FACIAL ANAST
NS	OTH	04.73	ACCESS-HYPOGLOSSAL ANAST
NS	OTH	04.74	PERIPH NERVE ANAST NEC
NS	OTH	04.75	POSTOP REV PREV NERVE OP
NS	OTH	04.76	LATE REP PERIPH NERV INJ
NS	OTH	04.79	NEUROPLASTY NEC
NS	OTH	05.0	SYMPATH NERVE DIVISION
NS	OTH	05.21	SPHENOPALAT GANGLIONECT
NS	OTH	05.22	CERVICAL SYMPATHECTOMY
NS	OTH	05.23	LUMBAR SYMPATHECTOMY
NS	OTH	05.24	PRESACRAL SYMPATHECTOMY
NS	OTH	05.25	PERIART SYMPATHECTOMY
NS	OTH	05.29	OTHER SYMPATHECTOMY
NS	OTH	05.81	SYMPATH NERV/GANG REPAIR
NS	OTH	05.89	SYMPATHETIC NERV OPS NEC
NS	OTH	05.9	OTHER NERVOUS SYSTEM OPS
NS	OTH	84.56*	INSERTION (CEMENT) SPACER
NS	OTH	84.57*	REMOVAL (CEMENT) SPACER
NS	OTH	84.71*	APPLIC EXT FIXATOR DEV, MONOPLANAR SYS
NS	OTH	84.72*	APPLIC EXT FIXATOR DEV, RING SYS
NS	OTH	84.73*	APPLIC HYBRID EXT FIXATOR DEV

\* Procedure code may be categorized as either NS or ORT.

**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
ORT	AMP	84.00	UPPER LIMB AMP NOS
ORT	AMP	84.01	FINGER AMPUTATION
ORT	AMP	84.02	THUMB AMPUTATION
ORT	AMP	84.03	AMPUTATION THROUGH HAND
ORT	AMP	84.04	DISARTICULATION OF WRIST
ORT	AMP	84.05	AMPUTATION THRU FOREARM
ORT	AMP	84.06	DISARTICULATION OF ELBOW
ORT	AMP	84.07	AMPUTATION THRU HUMERUS
ORT	AMP	84.08	SHOULDER DISARTICULATION
ORT	AMP	84.09	FOREQUARTER AMPUTATION
ORT	AMP	84.10	LOW LIMB AMPUTATION NOS
ORT	AMP	84.11	TOE AMPUTATION
ORT	AMP	84.12	AMPUTATION THROUGH FOOT
ORT	AMP	84.13	DISARTICULATION OF ANKLE
ORT	AMP	84.14	AMP ANK THROUGH MALLEOLI
ORT	AMP	84.15	BK AMPUTATION NEC
ORT	AMP	84.16	DISARTICULATION OF KNEE
ORT	AMP	84.17	ABOVE KNEE AMPUTATION
ORT	AMP	84.18	DISARTICULATION OF HIP
ORT	AMP	84.19	HINDQUARTER AMPUTATION
ORT	AMP	84.91	AMPUTATION NOS
ORT	FUSN	81.00*	SPINAL FUSION NOS
ORT	FUSN	81.01*	ATLAS-AXIS SPINAL FUSION
ORT	FUSN	81.02*	ANT CERVICAL FUSION NEC
ORT	FUSN	81.03*	POST CERVICAL FUSION NEC
ORT	FUSN	81.04*	ANTERIOR DORSAL FUSION
ORT	FUSN	81.05*	POSTERIOR DORSAL FUSION
ORT	FUSN	81.06*	ANTERIOR LUMBAR FUSION
ORT	FUSN	81.07*	LAT TRANS LUMBAR FUSION
ORT	FUSN	81.08*	POSTERIOR LUMBAR FUSION
ORT	FUSN	81.62*	FUSION/REFUSION 2-3 VERT
ORT	FUSN	81.63*	FUSION/REFUSION 4-8 VERT
ORT	FUSN	81.64*	FUSION/REFUSION >8 VERT
ORT	FUSN	84.51*	INSERT INTERBODY FUS DEV
ORT	FUSN	84.52*	INSERT RECOMBINANT BONE
ORT	FX	79.21	OPEN RED HUMERUS FX
ORT	FX	79.22	OPEN RED RADIUS/ULNA FX
ORT	FX	79.25	OPEN REDUCTION FEMUR FX
ORT	FX	79.26	OPEN RED TIBIA/FIB FX
ORT	FX	79.31	ORIF HUMERUS
ORT	FX	79.32	ORIF RADIUS/ULNA
ORT	FX	79.35	ORIF FEMUR
ORT	FX	79.36	ORIF TIBIA & FIBULA
ORT	FX	79.51	OP RED SEP EPIPH HUMERUS
ORT	FX	79.52	OP RED SEP EPIPH LOW ARM
ORT	FX	79.55	OPEN RED SEP EPIPH FEMUR
ORT	FX	79.56	OP RED SEP EPIPH TIB/FIB
ORT	HPRO	00.70	REV HIP REPLAC, ACETAB AND FEM COMP
ORT	HPRO	00.71	REV HIP REPLAC, ACETABULAR COMP
ORT	HPRO	00.72	REV HIP REPLAC, FEMORAL COMP
ORT	HPRO	00.73	REV HIP REPL, ACETAB LINER &/or FEM HEAD ONLY

\* Procedure code may be categorized as either NS or ORT.

Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
ORT	HPRO	00.85	RESURF HIP, TOT, ACETAB AND FEM HEAD
ORT	HPRO	00.86	RESURF HIP, PART, FEM HEAD
ORT	HPRO	00.87	RESURF HIP, PART, ACETAB
ORT	HPRO	81.51	TOTAL HIP REPLACEMENT
ORT	HPRO	81.52	PARTIAL HIP REPLACEMENT
ORT	HPRO	81.53	HIP REPLACEMENT REVISION
ORT	KPRO	00.80	REV KNEE PLACEMENT, TOTAL (ALL COMPONENTS)
ORT	KPRO	00.81	REV KNEE REPLACEMENT, TIBIAL COMPONENT
ORT	KPRO	00.82	REV KNEE REPLACEMENT, FEMORAL COMPONENT
ORT	KPRO	00.83	REV KNEE REPLACEMENT, PATELLAR COMPONENT
ORT	KPRO	00.84	REV KNEE REPLACEMENT, TIBIAL INSERT (LINER)
ORT	KPRO	81.54	TOTAL KNEE REPLACEMENT
ORT	KPRO	81.55	KNEE REPLACEMENT REV
ORT	LAM	03.01*	REMOVAL FB SPINAL CANAL
ORT	LAM	03.02*	REOPEN LAMINECTOMY SITE
ORT	LAM	03.09*	SPINAL CANAL EXPL NEC
ORT	LAM	80.50*	IV DISC EXC/DESTR NOS
ORT	LAM	80.51*	IV DISC EXCISION
ORT	LAM	80.59*	IV DISC DESTRUCTION NEC
ORT	LAM	84.58*†	IMPL INTERSPINOUS PROCESS DECOMP DEV
ORT	LAM	84.80*‡	INSER/REPLAC INTERSPINOUS PROC DEV
ORT	LAM	84.81*‡	REV INTERSPINOUS PROC DEV
ORT	LAM	84.82*‡	INSER/REPLAC PEDICLE DYN STAB DEV
ORT	LAM	84.83*‡	REV PEDICLE DYN STAB DEV
ORT	LAM	84.84*‡	INSER/REPLAC FACET REPLAC DEV
ORT	LAM	84.85*‡	REV FACET REPLAC DEV
ORT	RFUSN	81.30*	REFUSION SPINE NOS
ORT	RFUSN	81.31*	ATLAS-AXIS REFUSION
ORT	RFUSN	81.32*	ANT CERV REFUSION NEC
ORT	RFUSN	81.33*	POST CERV REFUSION NEC
ORT	RFUSN	81.34*	ANT DORSAL REFUSION
ORT	RFUSN	81.35*	POST DORSAL REFUSION
ORT	RFUSN	81.36*	ANT LUMBAR REFUSION
ORT	RFUSN	81.37*	LAT TRANS LUMB REFUSION
ORT	RFUSN	81.38*	POST LUMBAR REFUSION
ORT	RFUSN	81.39*	REFUSION SPINE NEC
ORT	OTH	00.74	HIP REPL BEARING SURFACE, METAL ON POLYETHYLENE
ORT	OTH	00.75	HIP REPL BEARING SURFACE, METAL ON METAL
ORT	OTH	00.76	HIP REPL BEARING SURFACE, CERAMIC ON CERAMIC
ORT	OTH	00.77	HIP REPL BEARING SURF, CERAMIC ON POLYETHYLENE
ORT	OTH	76.01	FACIAL BONE SEQUEST
ORT	OTH	76.09	FACIAL BONE INCISION NEC
ORT	OTH	76.2	EXC/DESTR FAC BONE LES
ORT	OTH	76.31	PARTIAL MANDIBULECTOMY
ORT	OTH	76.39	PART FACIAL OSTECT NEC
ORT	OTH	76.41	TOT MANDIBULECT/RECONST
ORT	OTH	76.42	TOTAL MANDIBULECTOMY NEC
ORT	OTH	76.43	MANDIBULAR RECONST NEC
ORT	OTH	76.44	TOT FACE OSTECT/RECONST

\* Procedure code may be categorized as either NS or ORT.

† Invalid 10/01/2007

‡ Effective 10/01/2007

**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
ORT	OTH	76.45	TOT FACE BONE OSTECT NEC
ORT	OTH	76.46	FACIAL BONE RECONST NEC
ORT	OTH	76.5	TMJ ARTHROPLASTY
ORT	OTH	76.61	CLOSED OSTY MAND RAMUS
ORT	OTH	76.62	OPEN OSTY MAND RAMUS
ORT	OTH	76.63	OSTY MANDIBULAR BODY
ORT	OTH	76.64	MAND ORTHOGNATHIC OP NEC
ORT	OTH	76.65	SEG OSTEOPLASTY MAXILLA
ORT	OTH	76.66	TOT OSTEOPLASTY MAXILLA
ORT	OTH	76.67	REDUCTION GENIOPLASTY
ORT	OTH	76.68	AUGMENTATION GENIOPLASTY
ORT	OTH	76.69	FACIAL BONE REPAIR NEC
ORT	OTH	76.70	REDUCTION FACIAL FX NOS
ORT	OTH	76.72	OPEN RED MALAR/ZMC FX
ORT	OTH	76.74	OPEN RED MAXILLARY FX
ORT	OTH	76.76	OPEN RED MANDIBULAR FX
ORT	OTH	76.77	OPEN RED ALVEOLAR FX
ORT	OTH	76.79	OPEN RED FACIAL FX NEC
ORT	OTH	76.91	BONE GRAFT TO FACE BONE
ORT	OTH	76.92	SYNTH IMPL TO FACE BONE
ORT	OTH	76.94	OPN REDUCTION TMJ DISLOC
ORT	OTH	76.97	RMVL INT FIX FACE BONE
ORT	OTH	77.00	SEQUESTRECTOMY NOS
ORT	OTH	77.01	CHEST CAGE SEQUEST
ORT	OTH	77.02	HUMERUS SEQUESTRECTOMY
ORT	OTH	77.03	RADIUS & ULNA SEQUEST
ORT	OTH	77.04	MC/CARPAL SEQUESTRECTOMY
ORT	OTH	77.05	FEMORAL SEQUESTRECTOMY
ORT	OTH	77.06	PATELLAR SEQUESTRECTOMY
ORT	OTH	77.07	TIBIA & FIBULA SEQUEST
ORT	OTH	77.08	MT/TARSAL SEQUESTRECTOMY
ORT	OTH	77.09	SEQUESTRECTOMY NEC
ORT	OTH	77.10	BONE INC NEC W/O DIV NOS
ORT	OTH	77.11	CHEST CAGE INC NEC S DIV
ORT	OTH	77.12	HUMERUS INC NEC W/O DIV
ORT	OTH	77.13	RAD/ULNA INC NEC S DIV
ORT	OTH	77.14	MC/CARPAL INC NEC S DIV
ORT	OTH	77.15	FEMORAL INC NEC W/O DIV
ORT	OTH	77.16	PATELLAR INC NEC W/O DIV
ORT	OTH	77.17	TIB & FIB INC NEC S DIV
ORT	OTH	77.18	MT/TARSAL INC NEC S DIV
ORT	OTH	77.19	BONE INC NEC W/O DIV NEC
ORT	OTH	77.20	WEDGE OSTEOTOMY NOS
ORT	OTH	77.21	CHEST CAGE WEDGE OSTY
ORT	OTH	77.22	HUMERUS WEDGE OSTEOTOMY
ORT	OTH	77.23	RADIUS & ULNA WEDGE OSTY
ORT	OTH	77.24	MC/CARPAL WEDGE OSTY
ORT	OTH	77.25	FEMORAL WEDGE OSTEOTOMY
ORT	OTH	77.26	PATELLAR WEDGE OSTEOTOMY
ORT	OTH	77.27	TIB & FIB WEDGE OSTY
ORT	OTH	77.28	MT/TARSAL WEDGE OSTY
ORT	OTH	77.29	WEDGE OSTEOTOMY NEC
ORT	OTH	77.30	BONE NOS DIVISION NEC

**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
ORT	OTH	77.31	CHEST CAGE BONE DIV NEC
ORT	OTH	77.32	HUMERUS DIVISION NEC
ORT	OTH	77.33	RADIUS/ULNA DIVISION NEC
ORT	OTH	77.34	MC/CARPAL DIVISION NEC
ORT	OTH	77.35	FEMORAL DIVISION NEC
ORT	OTH	77.36	PATELLAR DIVISION NEC
ORT	OTH	77.37	TIBIA/FIBULA DIV NEC
ORT	OTH	77.38	MT/TARSAL DIVISION NEC
ORT	OTH	77.39	BONE DIVISION NEC
ORT	OTH	77.51	BUNIONECT/STC/OSTY
ORT	OTH	77.52	BUNIONECT/STC/ARTHRODES
ORT	OTH	77.53	BUNIONECTOMY NEC W STC
ORT	OTH	77.54	BUNIONETTE EXC/REPAIR
ORT	OTH	77.56	HAMMER TOE REPAIR
ORT	OTH	77.57	CLAW TOE REPAIR
ORT	OTH	77.58	TOE EXC/FUSION/REP NEC
ORT	OTH	77.59	BUNIONECTOMY NEC
ORT	OTH	77.60	LOC EXC BONE LESION NOS
ORT	OTH	77.61	EXC CHEST CAGE BONE LES
ORT	OTH	77.62	LOC EXC HUMERUS LESION
ORT	OTH	77.63	LOC EXC RADIUS/ULNA LES
ORT	OTH	77.64	LOC EXC MC & CARPALS LES
ORT	OTH	77.65	LOCAL EXC FEMUR LESION
ORT	OTH	77.66	LOCAL EXC PATELLA LESION
ORT	OTH	77.67	LOC EXC TIBIA/FIBULA LES
ORT	OTH	77.68	LOCAL EXC MT/TARSAL LES
ORT	OTH	77.69	LOC EXC BONE LESION NEC
ORT	OTH	77.70	EXC BONE FOR GRAFT NOS
ORT	OTH	77.71	EXC CHEST CAGE BONE-GFT
ORT	OTH	77.72	EXC HUMERUS FOR GRAFT
ORT	OTH	77.73	EXC RADIUS/ULNA FOR GRFT
ORT	OTH	77.74	EXC MC/CARPALS FOR GRAFT
ORT	OTH	77.75	EXC FEMUR FOR GRAFT
ORT	OTH	77.76	EXC PATELLA FOR GRAFT
ORT	OTH	77.77	EXC TIB/FIB FOR GRAFT
ORT	OTH	77.78	EXC MT/TARSAL FOR GRAFT
ORT	OTH	77.79	EXC BONE FOR GRAFT NEC
ORT	OTH	77.80	OTHER PART OSTECTOMY NOS
ORT	OTH	77.81	CHEST CAGE OSTECTOMY NEC
ORT	OTH	77.82	PARTIAL HUMERECTOMY NEC
ORT	OTH	77.83	PART OSTECTOMY RAD/ULNA
ORT	OTH	77.84	PART OSTECTOMY MC/CARPAL
ORT	OTH	77.85	PART OSTECTOMY FEMUR
ORT	OTH	77.86	PARTIAL PATELLECTOMY
ORT	OTH	77.87	PART OSTECTOMY TIB/FIB
ORT	OTH	77.88	PART OSTECTOMY MT/TARSAL
ORT	OTH	77.89	PARTIAL OSTECTOMY NEC
ORT	OTH	77.90	TOTAL OSTECTOMY NOS
ORT	OTH	77.91	TOT CHEST CAGE OSTECTOMY
ORT	OTH	77.92	TOTAL OSTECTOMY HUMERUS
ORT	OTH	77.93	TOT OSTECTOMY RAD/ULNA
ORT	OTH	77.94	TOT OSTECTOMY MC/CARPAL
ORT	OTH	77.95	TOT OSTECTOMY FEMUR

**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
ORT	OTH	77.96	TOTAL PATELLECTOMY
ORT	OTH	77.97	TOT OSTECTOMY TIB/FIBULA
ORT	OTH	77.98	TOT OSTECTOMY MT/TARSAL
ORT	OTH	77.99	TOTAL OSTECTOMY NEC
ORT	OTH	78.00	BONE GRAFT NOS
ORT	OTH	78.01	BONE GRAFT TO CHEST CAGE
ORT	OTH	78.02	BONE GRAFT TO HUMERUS
ORT	OTH	78.03	BONE GRAFT RADIUS/ULNA
ORT	OTH	78.04	BONE GRAFT TO MC/CARPAL
ORT	OTH	78.05	BONE GRAFT TO FEMUR
ORT	OTH	78.06	BONE GRAFT TO PATELLA
ORT	OTH	78.07	BONE GRAFT TIBIA/FIBULA
ORT	OTH	78.08	BONE GRAFT MT/TARSAL
ORT	OTH	78.09	BONE GRAFT NEC X FACIAL
ORT	OTH	78.20	LIMB SHORT PX SITE NOS
ORT	OTH	78.22	LIMB SHORT PX HUMERUS
ORT	OTH	78.23	LIMB SHORT PX RAD/ULNA
ORT	OTH	78.24	LIMB SHORT PX CARPALS/MC
ORT	OTH	78.25	LIMB SHORT PX FEMUR
ORT	OTH	78.27	LIMB SHORT PX TIB & FIB
ORT	OTH	78.28	LIMB SHORT PX TARSALS/MT
ORT	OTH	78.29	LIMB SHORT PX NEC
ORT	OTH	78.30	LIMB LENGTH PX SITE NOS
ORT	OTH	78.32	LIMB LENGTH PX HUMERUS
ORT	OTH	78.33	LIMB LENGTH PX RAD/ULNA
ORT	OTH	78.34	LIMB LENGTH PX CARPAL/MC
ORT	OTH	78.35	LIMB LENGTH PX FEMUR
ORT	OTH	78.37	LIMB LENGTH PX TIB & FIB
ORT	OTH	78.38	LIMB LENGTH PX TARSAL/MT
ORT	OTH	78.39	LIMB LENGTH PX NEC
ORT	OTH	78.40	OTHER BONE REPAIR NOS
ORT	OTH	78.41	CHEST CAGE REPAIR NEC
ORT	OTH	78.42	HUMERUS REPAIR NEC
ORT	OTH	78.43	RADIUS/ULNA REPAIR NEC
ORT	OTH	78.44	MC/CARPAL REPAIR NEC
ORT	OTH	78.45	FEMORAL REPAIR NEC
ORT	OTH	78.46	PATELLAR REPAIR NEC
ORT	OTH	78.47	TIBIA/FIBULA REPAIR NEC
ORT	OTH	78.48	MT/TARSAL REPAIR NEC
ORT	OTH	78.49	OTHER BONE REPAIR NEC
ORT	OTH	78.50	INT FIX W/O FX RED NOS
ORT	OTH	78.51	INT FIX S RED CHEST CAGE
ORT	OTH	78.52	INT FIX W/O RED HUMERUS
ORT	OTH	78.53	INT FIX W/O RED RAD/ULNA
ORT	OTH	78.54	INT FIX S RED MC/CARPAL
ORT	OTH	78.55	INT FIX W/O RED FEMUR
ORT	OTH	78.56	INT FIX W/O RED PATELLA
ORT	OTH	78.57	INT FIX W/O RED TIB/FIB
ORT	OTH	78.58	INT FIX S RED MT/TARSAL
ORT	OTH	78.59	INT FIX W/O FX RED NEC
ORT	OTH	78.60	RMVL IMPL DEV SITE NOS
ORT	OTH	78.61	RMVL IMPL DEV CHEST CAGE
ORT	OTH	78.62	RMVL IMPL DEV HUMERUS

## Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
ORT	OTH	78.63	RMVL IMPL DEV RAD/ULNA
ORT	OTH	78.64	RMVL IMPL DEV MC/CARPALS
ORT	OTH	78.65	RMVL IMPL DEV FEMUR
ORT	OTH	78.66	RMVL IMPL DEV PATELLA
ORT	OTH	78.67	RMVL IMPL DEV TIB & FIB
ORT	OTH	78.68	RMVL IMPL DEV MT/TARSAL
ORT	OTH	78.69	RMVL IMPL DEV SITE NEC
ORT	OTH	78.70	OSTEOCLASIS SITE NOS
ORT	OTH	78.71	OSTEOCLASIS CHEST CAGE
ORT	OTH	78.72	OSTEOCLASIS HUMERUS
ORT	OTH	78.73	OSTEOCLASIS RADIUS/ULNA
ORT	OTH	78.74	OSTEOCLASIS MC/CARPALS
ORT	OTH	78.75	OSTEOCLASIS FEMUR
ORT	OTH	78.76	OSTEOCLASIS PATELLA
ORT	OTH	78.77	OSTEOCLASIS TIBIA/FIBULA
ORT	OTH	78.78	OSTEOCLASIS MT/TARSAL
ORT	OTH	78.79	OSTEOCLASIS NEC
ORT	OTH	78.90	INSERT BONE STIM NOS
ORT	OTH	78.91	INSERT BONE STIM CHEST
ORT	OTH	78.92	INSERT BONE STIM HUMERUS
ORT	OTH	78.93	INSERT BONE STIM LOW ARM
ORT	OTH	78.94	INSERT BONE STIM WRIST
ORT	OTH	78.95	INSERT BONE STIM FEMUR
ORT	OTH	78.96	INSERT BONE STIM PATELLA
ORT	OTH	78.97	INSERT BONE STIM TIB/FIB
ORT	OTH	78.98	INSERT BONE STIM FOOT
ORT	OTH	78.99	INSERT BONE STIM NEC
ORT	OTH	79.10	CRIF SITE NOS
ORT	OTH	79.11	CRIF HUMERUS
ORT	OTH	79.12	CRIF RADIUS/ULNA
ORT	OTH	79.13	CRIF MC/CARPALS
ORT	OTH	79.14	CRIF FINGER
ORT	OTH	79.15	CRIF FEMUR
ORT	OTH	79.16	CRIF TIBIA & FIBULA
ORT	OTH	79.17	CRIF METATARSAL/TARSAL
ORT	OTH	79.18	CRIF TOE
ORT	OTH	79.19	CRIF BONE NEC X FACIAL
ORT	OTH	79.20	OPEN FX REDUCTION NOS
ORT	OTH	79.23	OPEN RED MC/CARPAL FX
ORT	OTH	79.24	OPEN REDUCTION FINGER FX
ORT	OTH	79.27	OPEN RED MT/TARSAL FX
ORT	OTH	79.28	OPEN REDUCTION TOE FX
ORT	OTH	79.29	OPEN FX REDUCTION NEC
ORT	OTH	79.30	OPN FX RED W INT FIX NOS
ORT	OTH	79.33	ORIF CARPALS/METACARPALS
ORT	OTH	79.34	ORIF FINGER
ORT	OTH	79.37	ORIF METATARSAL/TARSAL
ORT	OTH	79.38	ORIF TOE
ORT	OTH	79.39	ORIF BONE NEC X FACIAL
ORT	OTH	79.50	OPEN RED SEP EPIPH NOS
ORT	OTH	79.59	OP RED SEP EPIPH NEC
ORT	OTH	79.80	OPEN RED DISLOC SITE NOS
ORT	OTH	79.81	OPEN RED SHOULDER DISLOC



**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
ORT	OTH	79.82	OPEN RED DISLOC RAD/ULNA
ORT	OTH	79.83	OPEN RED WRIST DISLOC
ORT	OTH	79.84	OPEN RED HAND DISLOC
ORT	OTH	79.85	OPEN RED HIP DISLOC
ORT	OTH	79.86	OPEN RED KNEE DISLOC
ORT	OTH	79.87	OPEN RED ANKLE DISLOC
ORT	OTH	79.88	OPEN RED FOOT/TOE DISLOC
ORT	OTH	79.89	OPEN RED DISLOC SITE NEC
ORT	OTH	79.90	UNSPEC OP BONE INJ NOS
ORT	OTH	79.91	HUMERUS INJURY OP NOS
ORT	OTH	79.92	RADIUS/ULNA INJ OP NOS
ORT	OTH	79.93	MC/CARPAL INJURY OP NOS
ORT	OTH	79.94	FINGER INJURY OP NOS
ORT	OTH	79.95	FEMUR INJURY OP NOS
ORT	OTH	79.96	TIBIA/FIBULA INJ OP NOS
ORT	OTH	79.97	MT/TARSAL INJURY OP NOS
ORT	OTH	79.98	TOE INJURY OPERATION NOS
ORT	OTH	79.99	UNSPEC OP BONE INJ NEC
ORT	OTH	80.00	RMVL PROSTH BY INC NOS
ORT	OTH	80.01	RMVL PROSTH SHOULDER INC
ORT	OTH	80.02	RMVL PROSTH ELBOW INC
ORT	OTH	80.03	RMVL PROSTH WRIST INC
ORT	OTH	80.04	RMVL PROSTH HAND INC
ORT	OTH	80.05	RMVL PROSTH HIP INC
ORT	OTH	80.06	RMVL PROSTH KNEE INC
ORT	OTH	80.07	RMVL PROSTH ANKLE INC
ORT	OTH	80.08	RMVL PROSTH FOOT/TOE INC
ORT	OTH	80.09	RMVL PROSTH BY INC NEC
ORT	OTH	80.10	OTHER ARTHROTOMY NOS
ORT	OTH	80.11	ARTHROTOMY NEC SHOULDER
ORT	OTH	80.12	ARTHROTOMY NEC ELBOW
ORT	OTH	80.13	ARTHROTOMY NEC WRIST
ORT	OTH	80.14	ARTHROTOMY NEC HAND/FING
ORT	OTH	80.15	ARTHROTOMY NEC HIP
ORT	OTH	80.16	ARTHROTOMY NEC KNEE
ORT	OTH	80.17	ARTHROTOMY NEC ANKLE
ORT	OTH	80.18	ARTHROTOMY NEC FOOT/TOE
ORT	OTH	80.19	OTHER ARTHROTOMY NEC
ORT	OTH	80.40	JT STRUCT DIVISION NOS
ORT	OTH	80.41	SHOULDER STRUCT DIVISION
ORT	OTH	80.42	ELBOW STRUCTURE DIVISION
ORT	OTH	80.43	WRIST STRUCTURE DIVISION
ORT	OTH	80.44	HAND/FINGER STRUCT DIV
ORT	OTH	80.45	HIP STRUCTURE DIVISION
ORT	OTH	80.46	KNEE STRUCTURE DIVISION
ORT	OTH	80.47	ANKLE STRUCTURE DIVISION
ORT	OTH	80.48	FOOT/TOE STRUCT DIVISION
ORT	OTH	80.49	JT STRUCT DIVISION NEC
ORT	OTH	80.6	EXC KNEE SEMILUNAR CART
ORT	OTH	80.70	SYNOVECTOMY SITE NOS
ORT	OTH	80.71	SHOULDER SYNOVECTOMY
ORT	OTH	80.72	ELBOW SYNOVECTOMY
ORT	OTH	80.73	WRIST SYNOVECTOMY

## Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
ORT	OTH	80.74	HAND/FINGER SYNOVECTOMY
ORT	OTH	80.75	HIP SYNOVECTOMY
ORT	OTH	80.76	KNEE SYNOVECTOMY
ORT	OTH	80.77	ANKLE SYNOVECTOMY
ORT	OTH	80.78	FOOT/TOE SYNOVECTOMY
ORT	OTH	80.79	SYNOVECTOMY SITE NEC
ORT	OTH	80.80	EXC/DESTR JOINT LES NOS
ORT	OTH	80.81	EXC/DESTR SHOULD LES NEC
ORT	OTH	80.82	EXC/DESTR ELBOW LES NEC
ORT	OTH	80.83	EXC/DESTR WRIST LES NEC
ORT	OTH	80.84	EXC/DESTR HAND LES NEC
ORT	OTH	80.85	EXC/DESTR HIP LESION NEC
ORT	OTH	80.86	EXC/DESTR KNEE LES NEC
ORT	OTH	80.87	EXC/DESTR ANKLE LES NEC
ORT	OTH	80.88	EXC/DESTR FT JT LES NEC
ORT	OTH	80.89	EXC/DESTR JOINT LES NEC
ORT	OTH	80.90	EXCISION JOINT NOS
ORT	OTH	80.91	EXCISION SHOULDER JT NEC
ORT	OTH	80.92	EXCISION ELBOW JT NEC
ORT	OTH	80.93	EXCISION WRIST JT NEC
ORT	OTH	80.94	EXCISION HAND JOINT NEC
ORT	OTH	80.95	EXCISION HIP JOINT NEC
ORT	OTH	80.96	EXCISION KNEE JOINT NEC
ORT	OTH	80.97	EXCISION ANKLE JOINT NEC
ORT	OTH	80.98	EXCISION FOOT JOINT NEC
ORT	OTH	80.99	EXCISION OF JOINT NEC
ORT	OTH	81.11	ANKLE FUSION
ORT	OTH	81.12	TRIPLE ARTHRODESIS
ORT	OTH	81.13	SUBTALAR FUSION
ORT	OTH	81.14	MIDTARSAL FUSION
ORT	OTH	81.15	TARSOMETATARSAL FUSION
ORT	OTH	81.16	MTP FUSION
ORT	OTH	81.17	FUSION OF FOOT NEC
ORT	OTH	81.18	SUBTALAR JOINT ARTHROEREISIS
ORT	OTH	81.20	ARTHRODESIS NOS
ORT	OTH	81.21	ARTHRODESIS OF HIP
ORT	OTH	81.22	ARTHRODESIS OF KNEE
ORT	OTH	81.23	ARTHRODESIS OF SHOULDER
ORT	OTH	81.24	ARTHRODESIS OF ELBOW
ORT	OTH	81.25	CARPORADIAL FUSION
ORT	OTH	81.26	METACARPOCARPAL FUSION
ORT	OTH	81.27	MCP FUSION
ORT	OTH	81.28	INTERPHALANGEAL FUSION
ORT	OTH	81.29	ARTHRODESIS JOINT NEC
ORT	OTH	81.40	HIP REPAIR NEC
ORT	OTH	81.42	FIVE-IN-ONE KNEE REPAIR
ORT	OTH	81.43	TRIAD KNEE REPAIR
ORT	OTH	81.44	PATELLAR STABILIZATION
ORT	OTH	81.45	CRUCIATE LIG REPAIR NEC
ORT	OTH	81.46	COLLATERAL LIG REP NEC
ORT	OTH	81.47	REPAIR OF KNEE NEC
ORT	OTH	81.49	REPAIR OF ANKLE NEC
ORT	OTH	81.56	TOTAL ANKLE REPLACEMENT

## Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
ORT	OTH	81.57	FOOT/TOE JOINT REPL
ORT	OTH	81.59	REV JOINT REPL LEG NEC
ORT	OTH	81.71	MCP/IP ARTHROPLASTY+IMPL
ORT	OTH	81.72	MCP/IP ARTHROPLASTY
ORT	OTH	81.73	TOTAL WRIST REPLACEMENT
ORT	OTH	81.74	CARPAL/CMC W IMPLANT
ORT	OTH	81.75	CARPAL/CMC ARTHROPLASTY
ORT	OTH	81.79	HND/FINGER/WRIST REP NEC
ORT	OTH	81.80	TOTAL SHOULDER REPL
ORT	OTH	81.81	PARTIAL SHOULDER REPL
ORT	OTH	81.82	RECUR SHOULD DISLOC REP
ORT	OTH	81.83	SHOULD ARTHROPLASTY NEC
ORT	OTH	81.84	TOTAL ELBOW REPLACEMENT
ORT	OTH	81.85	ELBOW ARTHROPLASTY NEC
ORT	OTH	81.93	SUTURE CAPS/LIG UP EXT
ORT	OTH	81.94	SUTURE CAPS/LIG ANKLE/FT
ORT	OTH	81.95	SUTURE CAPS/LIG LEG NEC
ORT	OTH	81.96	REPAIR OF JOINT NEC
ORT	OTH	81.97	REV JOINT REPL UE
ORT	OTH	82.01	EXPL TENDON SHEATH HAND
ORT	OTH	82.02	MYOTOMY OF HAND
ORT	OTH	82.03	BURSOTOMY OF HAND
ORT	OTH	82.04	I&D PALMAR/THENAR SPACE
ORT	OTH	82.09	INC SOFT TISSUE HAND NEC
ORT	OTH	82.11	TENOTOMY OF HAND
ORT	OTH	82.12	FASCIOTOMY OF HAND
ORT	OTH	82.19	DIV SOFT TISSUE HAND NEC
ORT	OTH	82.21	EXC LES TEND SHEATH HAND
ORT	OTH	82.22	EXCISION HAND MUSCLE LES
ORT	OTH	82.29	EXC LES SFT TISS HND NEC
ORT	OTH	82.31	BURSECTOMY OF HAND
ORT	OTH	82.32	EXC HAND TEND FOR GRAFT
ORT	OTH	82.33	HAND TENONECTOMY NEC
ORT	OTH	82.34	EXC HAND MUSC/FASC GRAFT
ORT	OTH	82.35	HAND FASCIECTOMY NEC
ORT	OTH	82.36	MYECTOMY OF HAND NEC
ORT	OTH	82.39	HAND SOFT TISSUE EXC NEC
ORT	OTH	82.41	SUT TENDON SHEATH HAND
ORT	OTH	82.42	DELAY SUT FLEXR TEND HND
ORT	OTH	82.43	DELAY SUT HAND TEND NEC
ORT	OTH	82.44	SUT FLEXOR TEND HAND NEC
ORT	OTH	82.45	SUTURE HAND TENDON NEC
ORT	OTH	82.46	SUTURE HAND MUSCLE/FASC
ORT	OTH	82.51	HAND TENDON ADVANCEMENT
ORT	OTH	82.52	HAND TENDON RECESSION
ORT	OTH	82.53	HAND TENDON REATTACHMENT
ORT	OTH	82.54	HAND MUSCLE REATTACHMENT
ORT	OTH	82.55	CHANGE HAND M/T LENGTH
ORT	OTH	82.56	TRANSPLANT HAND TEND NEC
ORT	OTH	82.57	TRANSPOS HAND TENDON NEC
ORT	OTH	82.58	TRANSPL HAND MUSCLE NEC
ORT	OTH	82.59	TRANSPOS HAND MUSCLE NEC
ORT	OTH	82.61	POLLICIZATION OPERATION

**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
ORT	OTH	82.69	THUMB RECONSTRUCTION NEC
ORT	OTH	82.71	HAND TEND PULLEY RECONST
ORT	OTH	82.72	HAND OP W MUSC/FASC GRFT
ORT	OTH	82.79	PLAST OP HAND W GRFT NEC
ORT	OTH	82.81	TRANSFER OF FINGER
ORT	OTH	82.82	REPAIR OF CLEFT HAND
ORT	OTH	82.83	REPAIR OF MACRODACTYLY
ORT	OTH	82.84	REPAIR OF MALLET FINGER
ORT	OTH	82.85	TENODESIS OF HAND NEC
ORT	OTH	82.86	TENOPLASTY OF HAND NEC
ORT	OTH	82.89	HAND PLASTIC OP NEC
ORT	OTH	82.91	LYSIS OF HAND ADHESIONS
ORT	OTH	82.99	HAND SOFT TISSUE OPS NEC
ORT	OTH	83.01	TEND SHEATH EXPLORATION
ORT	OTH	83.02	MYOTOMY
ORT	OTH	83.03	BURSOTOMY
ORT	OTH	83.09	SOFT TISSUE INCISION NEC
ORT	OTH	83.11	ACHILLOTENOTOMY
ORT	OTH	83.12	ADDUCTOR TENOTOMY OF HIP
ORT	OTH	83.13	TENOTOMY NEC
ORT	OTH	83.14	FASCIOTOMY
ORT	OTH	83.19	SOFT TISSUE DIVISION NEC
ORT	OTH	83.31	EXC LESION TENDON SHEATH
ORT	OTH	83.32	EXC MUSCLE LESION
ORT	OTH	83.39	EXC LES SOFT TISSUE NEC
ORT	OTH	83.41	TENDON EXCISION FOR GRFT
ORT	OTH	83.42	TENONECTOMY NEC
ORT	OTH	83.43	MUSC/FASC EXC FOR GRAFT
ORT	OTH	83.44	FASCIECTOMY NEC
ORT	OTH	83.45	MYECTOMY NEC
ORT	OTH	83.49	SOFT TISSUE EXC NEC
ORT	OTH	83.5	BURSECTOMY
ORT	OTH	83.61	TENDON SHEATH SUTURE
ORT	OTH	83.62	DELAYED TENDON SUTURE
ORT	OTH	83.63	ROTATOR CUFF REPAIR
ORT	OTH	83.64	SUTURE OF TENDON NEC
ORT	OTH	83.65	MUSCLE/FASC SUTURE NEC
ORT	OTH	83.71	TENDON ADVANCEMENT
ORT	OTH	83.72	TENDON RECESSION
ORT	OTH	83.73	TENDON REATTACHMENT
ORT	OTH	83.74	MUSCLE REATTACHMENT
ORT	OTH	83.75	TENDON TRANSF/TRANSPL
ORT	OTH	83.76	TENDON TRANSPOS NEC
ORT	OTH	83.77	MUSCLE TRANSF/TRANSPL
ORT	OTH	83.79	MUSCLE TRANSPOS NEC
ORT	OTH	83.81	TENDON GRAFT
ORT	OTH	83.82	MUSCLE OR FASCIA GRAFT
ORT	OTH	83.83	TENDON PULLEY RECONST
ORT	OTH	83.84	CLUBFOOT RELEASE NEC
ORT	OTH	83.85	CHANGE IN M/T LENGTH NEC
ORT	OTH	83.86	QUADRICEPSPLASTY
ORT	OTH	83.87	PLASTIC OPS MUSCLE NEC
ORT	OTH	83.88	PLASTIC OPS TENDON NEC

**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
ORT	OTH	83.89	PLASTIC OPS FASCIA NEC
ORT	OTH	83.91	ADHESIO MUSC/TEND/FASC
ORT	OTH	83.92	INSERT SKEL MUSC STIM
ORT	OTH	83.93	RMVL SKELETAL MUSC STIM
ORT	OTH	84.21	THUMB REATTACHMENT
ORT	OTH	84.22	FINGER REATTACHMENT
ORT	OTH	84.23	FA/WRIST/HAND REATTACH
ORT	OTH	84.24	UPPER ARM REATTACHMENT
ORT	OTH	84.25	TOE REATTACHMENT
ORT	OTH	84.26	FOOT REATTACHMENT
ORT	OTH	84.27	LOWER LEG/ANKLE REATTACH
ORT	OTH	84.28	THIGH REATTACHMENT
ORT	OTH	84.29	REATTACH EXTREMITY NEC
ORT	OTH	84.3	AMPUTATION STUMP REV
ORT	OTH	84.40	IMPL/FIT PROSTH LIMB NOS
ORT	OTH	84.44	IMPL ARM PROSTHESIS
ORT	OTH	84.48	IMPL LEG PROSTHESIS
ORT	OTH	84.56	INSERTION (CEMENT) SPACER
ORT	OTH	84.57*	REMOVAL (CEMENT) SPACER
ORT	OTH	84.71*	APPLIC EXT FIXATOR DEV, MONOPLANAR SYS
ORT	OTH	84.72*	APPLIC EXT FIXATOR DEV, RING SYS
ORT	OTH	84.73*	APPLIC HYBRID EXT FIXATOR DEV
ORT	OTH	84.92	SEP EQUAL CONJOINED TWIN
ORT	OTH	84.93	SEP UNEQUAL CONJOIN TWIN
ORT	OTH	84.99	MUSCULOSKELETAL OP NEC
GI	APPY	47.01	LAPSCP APPENDECTOMY
GI	APPY	47.09	OTHER APPENDECTOMY
GI	APPY	47.91	APPENDICOSTOMY
GI	APPY	47.99	APPENDICEAL OPS NEC
GI	BILI	50.0	HEPATOTOMY
GI	BILI	50.14 <sup>‡</sup>	LAPAROSCOPIC LIVER BIOPSY
GI	BILI	50.21	LIVER LESION MARSUP
GI	BILI	50.22	PARTIAL HEPATECTOMY
GI	BILI	50.23	OPEN ABLATION LIVER LESION/TISSUE
GI	BILI	50.25	LAPROSC ABLATION LIVER LESION/TISSUE
GI	BILI	50.26	ABLATION LIVER LESION/TISSUE NEC
GI	BILI	50.29	HEPATIC LESION DESTR NEC
GI	BILI	50.3	HEPATIC LOBECTOMY
GI	BILI	50.4	TOTAL HEPATECTOMY
GI	BILI	50.61	CLOSURE OF LIVER LAC
GI	BILI	50.69	LIVER REPAIR NEC
GI	BILI	51.31	GB-TO-HEPATIC DUCT ANAST
GI	BILI	51.32	GB-TO-INTESTINE ANAST
GI	BILI	51.33	GB-TO-PANCREAS ANAST
GI	BILI	51.34	GB-TO-STOMACH ANAST
GI	BILI	51.35	GALLBLADDER ANAST NEC
GI	BILI	51.36	CHOLEDOCHOENTEROSTOMY
GI	BILI	51.37	HEPATIC DUCT-GI ANAST
GI	BILI	51.39	BILE DUCT ANAST NEC
GI	BILI	51.41	CDE FOR CALCULUS RMVL
GI	BILI	51.42	CDE FOR OBSTRUCTION NEC

\* Procedure code may be categorized as either NS or ORT.

‡ Effective 10/01/2007

## Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
GI	BILI	51.49	INC OBSTR BILE DUCT NEC
GI	BILI	51.51	COMMON BILE DUCT EXPL
GI	BILI	51.59	BILE DUCT INCISION NEC
GI	BILI	51.61	EXC CYSTIC DUCT REMNANT
GI	BILI	51.62	EXC AMPULLA OF VATER
GI	BILI	51.63	COMMON BILE DUCT EXC NEC
GI	BILI	51.69	BILE DUCT EXCISION NEC
GI	BILI	51.71	SIMPLE SUTURE CBD
GI	BILI	51.72	CHOLEDOCHOPLASTY
GI	BILI	51.79	BILE DUCT REPAIR NEC
GI	BILI	51.81	SPHINCTER OF ODDI DILAT
GI	BILI	51.82	PANC SPHINCTEROTOMY
GI	BILI	51.83	PANC SPHINCTEROPLASTY
GI	BILI	51.89	SPHINCT OF ODDI OP NEC
GI	BILI	51.91	REPAIR GB LACERATION
GI	BILI	51.92	CLOSURE CHOLECYSTOSTOMY
GI	BILI	51.93	CLOSURE BIL FISTULA NEC
GI	BILI	51.94	REV BILIARY TRACT ANAST
GI	BILI	51.95	RMVL BILE DUCT PROSTH
GI	BILI	51.99	BILIARY TRACT OP NEC
GI	BILI	52.09	PANCREATOTOMY NEC
GI	BILI	52.22	PANC DUCT LES DESTR NEC
GI	BILI	52.3	PANCREATIC CYST MARSUP
GI	BILI	52.4	INT DRAIN PANC CYST
GI	BILI	52.51	PROXIMAL PANCREATECTOMY
GI	BILI	52.52	DISTAL PANCREATECTOMY
GI	BILI	52.53	RAD PART PANCREATECTOMY
GI	BILI	52.59	PART PANCREATECTOMY NEC
GI	BILI	52.6	TOTAL PANCREATECTOMY
GI	BILI	52.7	RAD PANC/DUODENECTOMY
GI	BILI	52.95	PANCREATIC REPAIR NEC
GI	BILI	52.96	PANCREATIC ANASTOMOSIS
GI	BILI	52.99	PANCREATIC OPERATION NEC
GI	CHOL	51.21	PART CHOLECYSTECTOMY NEC
GI	CHOL	51.22	CHOLECYSTECTOMY NOS
GI	CHOL	51.23	LAPSCP CHOLECYSTECTOMY
GI	CHOL	51.24	LAPSCP PARTIAL CHOLE
GI	COLO	45.03	LARGE INTESTINE INCISION
GI	COLO	45.41	EXC LG INTEST LESION
GI	COLO	45.49	DESTR LG INTEST LES NEC
GI	COLO	45.52	LG INTEST SEG ISOLATION
GI	COLO	45.71	MULT SEG L-INTEST RESECT
GI	COLO	45.72	CECECTOMY
GI	COLO	45.73	RIGHT HEMICOLECTOMY
GI	COLO	45.74	TRANSVERSE COLON RESECT
GI	COLO	45.75	LEFT HEMICOLECTOMY
GI	COLO	45.76	SIGMOIDECTOMY
GI	COLO	45.79	PART LG INTEST EXC NEC
GI	COLO	45.8	TOT INTRA-ABD COLECTOMY
GI	COLO	45.92	SMB-RECTAL STUMP ANAST
GI	COLO	45.93	SM-LG INTEST ANAST NEC
GI	COLO	45.94	LG-TO-LG INTEST ANAST
GI	COLO	45.95	ANASTOMOSIS TO ANUS

## Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
GI	COLO	46.03	L-INTEST EXTERIORIZATION
GI	COLO	46.04	RESECT EXTERIORIZ SEG LG
GI	COLO	46.52	LG INTEST STOMA CLOSURE
GI	COLO	46.75	LARGE INTESTINE SUTURE
GI	COLO	46.76	CLOSE LG INTEST FISTULA
GI	COLO	46.94	REVISION LG INTEST ANAST
GI	GAST	43.42	LOC GASTRIC LES EXC NEC
GI	GAST	43.49	LOC GASTRIC DESTR NEC
GI	GAST	43.5	PROXIMAL GASTRECTOMY
GI	GAST	43.6	DISTAL GASTRECTOMY
GI	GAST	43.7	PART GASTRECTOMY W ANAST
GI	GAST	43.81	PART GASTRECT W TRANSPOS
GI	GAST	43.89	PARTIAL GASTRECTOMY NEC
GI	GAST	43.91	TOT GASTRECT W INTERPOS
GI	GAST	43.99	TOTAL GASTRECTOMY NEC
GI	GAST	44.21	DILATION PYLORUS BY INC
GI	GAST	44.29	OTHER PYLOROPLASTY
GI	GAST	44.31	HIGH GASTRIC BYPASS
GI	GAST	44.39	OTHER GASTROENTEROSTOMY
GI	GAST	44.40	SUTURE PEPTIC ULCER NOS
GI	GAST	44.41	SUT GASTRIC ULCER SITE
GI	GAST	44.42	SUT DUODENAL ULCER SITE
GI	GAST	44.49	CNTRL GASTRIC HEMOR NEC
GI	GAST	44.5	REVISION GASTRIC ANAST
GI	GAST	44.61	SUTURE GASTRIC LAC
GI	GAST	44.62	GASTROSTOMY CLOSURE
GI	GAST	44.63	CLOSE STOM FISTULA NEC
GI	GAST	44.64	GASTROPEXY
GI	GAST	44.65	ESOPHAGOGASTROPLASTY
GI	GAST	44.69	GASTRIC REPAIR NEC
GI	HER	53.00	UNILAT IH REPAIR NOS
GI	HER	53.01	UNILAT REP DIRECT IH
GI	HER	53.02	UNILAT REP INDIRECT IH
GI	HER	53.03	UNILAT REP DIR IH/GRAFT
GI	HER	53.04	UNILAT INDIRECT IH/GRAFT
GI	HER	53.05	UNILAT REP IH/GRAFT NOS
GI	HER	53.10	BILAT IH REPAIR NOS
GI	HER	53.11	BILAT DIRECT IH REPAIR
GI	HER	53.12	BILAT INDIRECT IH REPAIR
GI	HER	53.13	DIRECT & INDIRECT IH REP
GI	HER	53.14	BILAT DIRECT IH REP-GRFT
GI	HER	53.15	BILAT INDIRECT IH-GRAFT
GI	HER	53.16	DIRECT/INDIRECT IH-GRAFT
GI	HER	53.17	BILAT IH REP-GRAFT NOS
GI	HER	53.21	UNILAT FH REP W GRAFT
GI	HER	53.29	UNILAT FH REP NEC
GI	HER	53.31	BILAT FH REPAIR W GRAFT
GI	HER	53.39	BILAT FH REPAIR NEC
GI	HER	53.41	UMB HERNIA REPAIR-PROSTH
GI	HER	53.49	UMB HERNIA REPAIR NEC
GI	HER	53.51	INCISIONAL HERNIA REPAIR
GI	HER	53.59	ABD WALL HERNIA REP NEC
GI	HER	53.61	INC HERNIA REPAIR-PROSTH

## Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
GI	HER	53.69	ABD HERNIA REP-GRFT NEC
GI	LTP	50.51	AUXILIARY LIVER TRANSPL
GI	LTP	50.59	LIVER TRANSPLANT NEC
GI	REC	48.5	ABD-PERINEAL RECT RESECT
GI	REC	48.61	TRANSACRAL RECTOSIG EXC
GI	REC	48.62	ANT RECT RESECT W COLOST
GI	REC	48.63	ANTERIOR RECT RESECT NEC
GI	REC	48.64	POSTERIOR RECT RESECTION
GI	REC	48.65	DUHAMEL RECTAL RESECTION
GI	REC	48.69	RECTAL RESECTION NEC
GI	SB	45.01	DUODENAL INCISION
GI	SB	45.02	SM INTEST INCISION NEC
GI	SB	45.51	SM INTEST SEG ISOLATION
GI	SB	45.61	MULT SEG S-INTEST RESECT
GI	SB	45.62	PART S-INTEST RESECT NEC
GI	SB	45.63	TOTAL REMOVAL SM INTEST
GI	SB	45.91	SM-TO-SM INTEST ANAST
GI	SB	46.01	S-INTEST EXTERIORIZATION
GI	SB	46.02	RESECT EXTERIORIZ SEG SM
GI	SB	46.51	SM INTEST STOMA CLOSURE
GI	SB	46.71	DUODENAL LAC SUTURE
GI	SB	46.72	DUODENAL FISTULA CLOSURE
GI	SB	46.73	SMALL INTEST SUTURE NEC
GI	SB	46.74	CLOSURE SMB FISTULA NEC
GI	SB	46.93	REVISION SM INTEST ANAST
GI	SPLE	41.33	OPEN BIOPSY OF SPLEEN
GI	SPLE	41.41	SPLENIC CYST MARSUP
GI	SPLE	41.42	EXC SPLENIC LES OR TISS
GI	SPLE	41.43	PARTIAL SPLENECTOMY
GI	SPLE	41.5	TOTAL SPLENECTOMY
GI	SPLE	41.93	EXC OF ACCESSORY SPLEEN
GI	SPLE	41.95	REPAIR OF SPLEEN
GI	SPLE	41.99	SPLEEN OPERATION NEC
GI	XLAP	53.7	ABD REP-DIAPH HERNIA
GI	XLAP	54.0	ABDOMINAL WALL INCISION
GI	XLAP	54.11	EXPLORATORY LAPAROTOMY
GI	XLAP	54.12	REOPEN RECENT LAP SITE
GI	XLAP	54.19	LAPAROTOMY NEC
GI	XLAP	54.3	EXC/DESTR ABD WALL LES
GI	XLAP	54.4	EXC/DESTR PERITON TISS
GI	XLAP	54.51	LAPSCP PERITON ADHESIO
GI	XLAP	54.59	PERITON ADHESIOLYSIS NEC
GI	XLAP	54.61	RECLOSE POSTOP DISRUPT
GI	XLAP	54.62	DELAYED CLOSE ABD WOUND
GI	XLAP	54.63	ABD WALL SUTURE NEC
GI	XLAP	54.64	PERITONEAL SUTURE
GI	XLAP	54.71	REPAIR OF GASTROSCHISIS
GI	XLAP	54.72	ABDOMEN WALL REPAIR NEC
GI	XLAP	54.73	PERITONEAL REPAIR NEC
GI	XLAP	54.74	OMENTAL REPAIR NEC
GI	XLAP	54.75	MESENTERIC REPAIR NEC
GI	XLAP	54.92	RMVL FB PERITON CAVITY
GI	XLAP	54.93	CREATE CUTANEOPERIT FIST



## Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
GI	OTH	42.01	ESOPHAGEAL WEB INCISION
GI	OTH	42.09	ESOPHAGEAL INCISION NEC
GI	OTH	42.10	ESOPHAGOSTOMY NOS
GI	OTH	42.11	CERVICAL ESOPHAGOSTOMY
GI	OTH	42.12	ESOPH POUCH EXTERIORIZ
GI	OTH	42.19	EXT FIST OF ESOPH NEC
GI	OTH	42.31	EXC ESOPH DIVERTICULUM
GI	OTH	42.32	LOC EXC ESOPH LESION NEC
GI	OTH	42.39	DESTR ESOPHAGEAL LES NEC
GI	OTH	42.40	ESOPHAGECTOMY NOS
GI	OTH	42.41	PARTIAL ESOPHAGECTOMY
GI	OTH	42.42	TOTAL ESOPHAGECTOMY
GI	OTH	42.51	INTRATHOR ESOPH-ESOPHAG
GI	OTH	42.52	INTRATHOR ESOPH-GASTROST
GI	OTH	42.53	INTRATHOR SMB INTERPOS
GI	OTH	42.54	INTRATHOR ESOPH-ENT NEC
GI	OTH	42.55	INTRATHOR COLON INTERPOS
GI	OTH	42.56	INTRATHOR ESOPH-COL NEC
GI	OTH	42.58	INTRATHOR INTERPOS NEC
GI	OTH	42.59	INTRATHOR ANAST NEC
GI	OTH	42.61	ANTESTERN ESOPH-ESOPHAG
GI	OTH	42.62	ANTESTERN ESOPH-GASTROST
GI	OTH	42.63	ANTESTERN SMB INTERPOS
GI	OTH	42.64	ANTESTERN ESOPH-ENT NEC
GI	OTH	42.65	ANTESTERN COLON INTERPOS
GI	OTH	42.66	ANTESTERN ESOPH-COL NEC
GI	OTH	42.68	ANTESTERN INTERPOS NEC
GI	OTH	42.69	ANTESTERN ANAST NEC
GI	OTH	42.7	ESOPHAGOMYOTOMY
GI	OTH	42.82	SUTURE ESOPHAGEAL LAC
GI	OTH	42.83	ESOPHAGOSTOMY CLOSURE
GI	OTH	42.84	ESOPH FISTULA REPAIR NEC
GI	OTH	42.85	ESOPH STRICTURE REPAIR
GI	OTH	42.86	SUBCUJ TUNNEL W/O ANAST
GI	OTH	42.87	ESOPHAGEAL GRAFT NEC
GI	OTH	42.89	ESOPHAGEAL REPAIR NEC
GI	OTH	42.91	LIGATION ESOPH VARICES
GI	OTH	44.00	VAGOTOMY NOS
GI	OTH	44.01	TRUNCAL VAGOTOMY
GI	OTH	44.02	HIGHLY SELECT VAGOTOMY
GI	OTH	44.03	SELECTIVE VAGOTOMY NEC
GI	OTH	44.66	CREAT EG SPHINCT COMPET
GI	OTH	44.91	LIG OF GASTRIC VARICES
GI	OTH	44.92	INTRAOP GASTRIC MANIP
GI	OTH	44.99	GASTRIC OPERATION NEC
GI	OTH	45.00	INTESTINAL INCISION NOS
GI	OTH	45.50	INTEST SEG ISOLATION NOS
GI	OTH	45.90	INTESTINAL ANAST NOS
GI	OTH	46.42	PERICOLESTOMY HERNIA REP
GI	OTH	46.50	INTEST STOMA CLOSURE NOS
GI	OTH	46.60	INTESTINAL FIXATION NOS
GI	OTH	46.61	SM INTEST-ABD WALL FIX
GI	OTH	46.62	SM INTEST FIXATION NEC

## Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
GI	OTH	46.63	LG INTEST-ABD WALL FIX
GI	OTH	46.64	LG INTEST FIXATION NEC
GI	OTH	46.79	REPAIR OF INTESTINE NEC
GI	OTH	46.80	INTRA-ABD INTEST MANIP
GI	OTH	46.81	INTRA-ABD S-INTEST MANIP
GI	OTH	46.82	INTRA-ABD L-INTEST MANIP
GI	OTH	46.91	MYOTOMY OF SIGMOID COLON
GI	OTH	46.92	MYOTOMY OF COLON NEC
GI	OTH	46.97	INTESTINE TRANSPLANT
GI	OTH	46.99	INTESTINAL OPS NEC
GI	OTH	47.11	LAPSCP INCIDENTAL APPY
GI	OTH	47.19	OTHER INCIDENTAL APPY
GI	OTH	48.41	SOAVE SUBMUC RECT RESECT
GI	OTH	48.72	CLOSURE OF PROCTOSTOMY
GI	OTH	48.73	CLOSE RECTAL FIST NEC
GI	OTH	48.75	ABDOMINAL PROCTOPEXY
GI	OTH	48.76	PROCTOPEXY NEC
GI	OTH	52.80	PANCREATIC TRANSPL NOS
GI	OTH	52.81	REIMPLANT PANCREAS TISS
GI	OTH	52.82	PANC HOMOTRANSPLANT
GI	OTH	52.83	PANC HETEROTRANSPLANT
GI	OTH	52.84	AUTOTRANSPLANT IL CELLS
GI	OTH	52.85	ALLOTRANSPLANT IL CELLS
GI	OTH	52.86	TRANSPLANT IL CELLS NOS
GI	OTH	53.9	OTHER HERNIA REPAIR
GI	OTH	54.94	CREAT PERITONEOVAS SHUNT
REPRO	CSEC	74.0	CLASSICAL CD
REPRO	CSEC	74.1	LOW CERVICAL CD
REPRO	CSEC	74.2	EXTRAPERITONEAL CD
REPRO	CSEC	74.4	CESAREAN SECTION NEC
REPRO	CSEC	74.91	HYSTEROTOMY TO TERM PREG
REPRO	CSEC	74.99	OTHER CD TYPE NOS
REPRO	HYST	68.31	LAPROSC SUPRACERV HYSTERECTOMY LSH
REPRO	HYST	68.39	OTH SUBTOT ABD HYST NOS
REPRO	HYST	68.41	LAPROSC TOTAL ABD HYSTERECTOMY
REPRO	HYST	68.49	TOTAL ABD HYSTERECTOMY NEC
REPRO	HYST	68.61	LAPROSC RADICAL ABD HYSTERECTOMY
REPRO	HYST	68.69	RADICAL ABD HYSTERECTOMY NEC
REPRO	OVRV	65.01	LAPSCP OOPHOROTOMY
REPRO	OVRV	65.09	OOPHOROTOMY NEC
REPRO	OVRV	65.21	OVARIAN CYST MARSUP
REPRO	OVRV	65.22	OVARIAN WEDGE RESECTION
REPRO	OVRV	65.23	LAPSCP MARSUP OV CYST
REPRO	OVRV	65.24	LAPSCP OV WEDGE RESECT
REPRO	OVRV	65.25	LAPSCP OV LES EXC NEC
REPRO	OVRV	65.29	LOC EXC/DESTR OV LES NEC
REPRO	OVRV	65.31	LAPSCP UNILAT OOPHORECT
REPRO	OVRV	65.39	UNILAT OOPHORECTOMY NEC
REPRO	OVRV	65.41	LAPSCP UNILATERAL S-O
REPRO	OVRV	65.49	UNILATERAL S-O NEC
REPRO	OVRV	65.51	RMVL BOTH OVARIES NEC
REPRO	OVRV	65.52	RMVL REM OVARY NEC
REPRO	OVRV	65.53	LAPSCP RMVL BOTH OVARIES

**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
REPRO	OVRY	65.54	LAPSCP RMVL REM OVARY
REPRO	OVRY	65.61	RMVL BOTH OV & FALL NEC
REPRO	OVRY	65.62	RMVL REM OV & FALL NEC
REPRO	OVRY	65.63	LAPSCP RMVL BOTH OV/FALL
REPRO	OVRY	65.64	LAPSCP RMVL REM OV/FALL
REPRO	OVRY	65.71	SMPL SUTURE OVARY NEC
REPRO	OVRY	65.72	REIMPLANTATION OVARY NEC
REPRO	OVRY	65.73	SALP-OOPHOROPLASTY NEC
REPRO	OVRY	65.74	LAPSCP SMPL SUTURE OVARY
REPRO	OVRY	65.75	LAPSCP REIMPLANT OVARY
REPRO	OVRY	65.76	LAPSCP SALP-OOPHOROPLAST
REPRO	OVRY	65.79	REPAIR OF OVARY NEC
REPRO	OVRY	65.81	LAPSCP ADHESIO OV/FALL
REPRO	OVRY	65.89	ADHESIO OV/FALL TUBE NEC
REPRO	OVRY	65.92	TRANSPLANTATION OF OVARY
REPRO	OVRY	65.93	MANUAL RUPT OVARIAN CYST
REPRO	OVRY	65.94	OVARIAN DENERVATION
REPRO	OVRY	65.95	OVARIAN TORSION RELEASE
REPRO	OVRY	65.99	OVARIAN OPERATION NEC
REPRO	PRST	60.3	SUPRAPUBIC PROSTATECTOMY
REPRO	PRST	60.4	RETROPUBIC PROSTATECTOMY
REPRO	PRST	60.5	RADICAL PROSTATECTOMY
REPRO	PRST	60.61	LOC EXC PROSTATIC LES
REPRO	PRST	60.62	PERINEAL PROSTATECTOMY
REPRO	PRST	60.69	PROSTATECTOMY NEC
REPRO	VHYS	68.51	LAPSCP ASSIST VAGINAL HYST LAVH
REPRO	VHYS	68.59	VAGINAL HYSTERECTOMY
REPRO	VHYS	68.71	LAPSCP ASSIST RAD VAGINAL HYST LRVH
REPRO	VHYS	68.79	RADICAL VAGINAL HYSTERECTOMY
REPRO	OTH	70.53 <sup>†</sup>	REPAIR CYSTOCELE/RECTOCELE W GRAFT/PROSTH
REPRO	OTH	70.54 <sup>†</sup>	REPAIR CYSTOCELE W GRAFT/PROSTH
REPRO	OTH	70.55 <sup>†</sup>	REPAIR RECTOCELE W GRAFT/PROSTH
REPRO	OTH	70.63 <sup>†</sup>	VAGINAL CONSTRUCTION W GRAFT/PROSTH
REPRO	OTH	70.64 <sup>†</sup>	VAGINAL RECONSTRUCTION W GRAFT/PROSTH
REPRO	OTH	74.3	RMVL EXTRATUBAL PREG
REPRO	OTH	75.50	REP OB LAC UTERUS NOS
REPRO	OTH	75.52	REP OB LAC CORPUS UTERI
REPRO	OTH	75.61	REP OB LAC BLAD/URETHRA
REPRO	OTH	75.62	REP OB LAC RECTUM/ANUS
REPRO	OTH	75.93	SURG CORRECT INVERT UTER
GU	KTP	55.61	RENAL AUTOTRANSPLANT
GU	KTP	55.69	KIDNEY TRANSPLANT NEC
GU	NEPH	55.01	NEPHROTOMY
GU	NEPH	55.02	NEPHROSTOMY
GU	NEPH	55.11	PYELOTOMY
GU	NEPH	55.12	PYELOSTOMY
GU	NEPH	55.31	RENAL LESION MARSUP
GU	NEPH	55.32	OPEN ABLATION RENAL LESION/TISSUE
GU	NEPH	55.34	LAPROSC ABLATION RENAL LESION/TISSUE
GU	NEPH	55.35	ABLATION RENAL LESION/TISSUE NEC
GU	NEPH	55.39	LOC DESTR RENAL LES NEC

<sup>†</sup> Effective 10/01/2007

## Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
GU	NEPH	55.4	PARTIAL NEPHRECTOMY
GU	NEPH	55.51	NEPHROURETERECTOMY
GU	NEPH	55.52	SOLITARY KID NEPHRECTOMY
GU	NEPH	55.54	BILATERAL NEPHRECTOMY
GU	NEPH	55.91	RENAL DECAPSULATION
GU	OTH	55.53	REJECTED KID NEPHRECTOMY
GU	OTH	55.7	NEPHROPEXY
GU	OTH	55.81	SUTURE KIDNEY LACERATION
GU	OTH	55.82	CLOSE NEPHROST & PYELOST
GU	OTH	55.83	CLOSE RENAL FISTULA NEC
GU	OTH	55.84	RED TORSION REN PEDICLE
GU	OTH	55.85	SYMPHYSIOTOMY
GU	OTH	55.86	RENAL ANASTOMOSIS
GU	OTH	55.87	CORRECTION OF UPJ
GU	OTH	55.89	RENAL REPAIR NEC
GU	OTH	56.0	TU RMVL URETERAL OBSTR
GU	OTH	56.1	URETERAL MEATOTOMY
GU	OTH	56.2	URETEROTOMY
GU	OTH	56.40	URETERECTOMY NOS
GU	OTH	56.41	PARTIAL URETERECTOMY
GU	OTH	56.42	TOTAL URETERECTOMY
GU	OTH	56.51	FORM CUTAN ILEOURETEROST
GU	OTH	56.52	REV CUTAN ILEOURETEROST
GU	OTH	56.61	FORM CUTAN URETEROSTOMY
GU	OTH	56.62	REV CUTAN URETEROST NEC
GU	OTH	56.71	URIN DIVERSION TO INTEST
GU	OTH	56.72	REV URETEROENTEROSTOMY
GU	OTH	56.73	NEPHROCYSTANAST NOS
GU	OTH	56.74	URETERONEOCYSTOSTOMY
GU	OTH	56.75	TRANSURETEROURETEROSTOMY
GU	OTH	56.79	URETERAL ANASTOMOSIS NEC
GU	OTH	56.81	INTRALUM URETER ADHESIO
GU	OTH	56.82	SUT URETERAL LACERATION
GU	OTH	56.83	URETEROSTOMY CLOSURE
GU	OTH	56.84	CLOSE URETER FISTULA NEC
GU	OTH	56.85	URETEROPEXY
GU	OTH	56.86	RMVL URETERAL LIGATURE
GU	OTH	56.89	REPAIR OF URETER NEC
GU	OTH	57.12	CYSTOTOMY & ADHESIOLYSIS
GU	OTH	57.18	S/P CYSTOSTOMY NEC
GU	OTH	57.19	CYSTOTOMY NEC
GU	OTH	57.21	VESICOSTOMY
GU	OTH	57.22	REV/CLOSE VESICOSTOMY
GU	OTH	57.51	EXCISION OF URACHUS
GU	OTH	57.59	OTH BLADDER LESION DESTR
GU	OTH	57.6	PARTIAL CYSTECTOMY
GU	OTH	57.71	RADICAL CYSTECTOMY
GU	OTH	57.79	TOTAL CYSTECTOMY NEC
GU	OTH	57.81	SUTURE BLADDER LAC
GU	OTH	57.82	CYSTOSTOMY CLOSURE
GU	OTH	57.83	ENTEROVESICAL FIST REP
GU	OTH	57.84	REP OTH FISTULA BLADDER
GU	OTH	57.85	CYSTOURETHROPLASTY

## Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
GU	OTH	57.86	BLADDER EXSTROPHY REPAIR
GU	OTH	57.87	URINARY BLADDER RECONST
GU	OTH	57.88	BLADDER ANASTOMOSIS NEC
GU	OTH	57.89	BLADDER REPAIR NEC
GU	OTH	58.39	URETHRA LES DESTR NEC
GU	OTH	58.42	URETHROSTOMY CLOSURE
GU	OTH	58.43	CLOSE URETHRAL FIST NEC
GU	OTH	58.44	URETHRAL REANASTOMOSIS
GU	OTH	58.45	HYPOSPAD/EPISPADIAS REP
GU	OTH	58.46	URETHRAL RECONST NEC
GU	OTH	58.47	URETHRAL MEATOPLASTY
GU	OTH	58.49	URETHRAL REPAIR NEC
GU	OTH	58.5	URETHRAL STRICTURE REL
GU	OTH	58.91	PERIURETHRAL INCISION
GU	OTH	58.92	PERIURETHRAL EXCISION
GU	OTH	58.93	IMPLANTATION OF AUS
GU	OTH	58.99	PERIURETHRAL OPS NEC
GU	OTH	59.00	RETROPERITON DISSECT NOS
GU	OTH	59.02	PERIRENAL ADHESIO NEC
GU	OTH	59.03	LAPSCP REN/URET ADHESIO
GU	OTH	59.09	PERIRENAL/URETER INC NEC
GU	OTH	59.11	PERIVESICAL ADHESIO NEC
GU	OTH	59.12	LAPSCP BLADDER ADHESIO
GU	OTH	59.19	PERIVESICAL INCISION NEC
GU	OTH	59.3	URETHROVES JUNCT PLICAT
GU	OTH	59.4	SUPRAPUBIC SLING OP
GU	OTH	59.5	RETROPUBIC URETHRAL SUSP
GU	OTH	59.6	PARAURETHRAL SUSPENSION
GU	OTH	59.71	LEVATOR MUSC SUSPENSION
GU	OTH	59.79	URIN INCONT REPAIR NEC
GU	OTH	59.91	PERIRENAL/VESICAL EXC
GU	OTH	59.92	PERIRENAL/VESICAL OP NEC
GU	OTH	60.0	INCISION OF PROSTATE
GU	OTH	60.72	SEMINAL VESICLE INCISION
GU	OTH	60.73	SEMINAL VESICLE EXCISION
GU	OTH	60.79	SEMINAL VESICLE OP NEC
GU	OTH	60.81	PERIPROSTATIC INCISION
GU	OTH	60.82	PERIPROSTATIC EXCISION
GU	OTH	60.93	REPAIR OF PROSTATE
GU	OTH	61.0	SCROTUM & TUNICA VAG I&D
GU	OTH	61.2	EXCISION OF HYDROCELE
GU	OTH	61.3	SCROTAL LES EXC/DESTR
GU	OTH	61.41	SUTURE SCROTAL LAC
GU	OTH	61.42	SCROTAL FISTULA REPAIR
GU	OTH	61.49	SCROTUM/TUNICA REP NEC
GU	OTH	61.92	EXC TUNICA VAG LES NEC
GU	OTH	61.99	SCROT/TUNICA VAG OPS NEC
GU	OTH	62.0	INCISION OF TESTIS
GU	OTH	62.2	TESTICULAR LES EXC/DESTR
GU	OTH	62.3	UNILATERAL ORCHIECTOMY
GU	OTH	62.41	RMVL BOTH TESTES
GU	OTH	62.42	RMVL REMAINING TESTIS
GU	OTH	62.5	ORCHIOPEXY

**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
GU	OTH	62.61	SUTURE TESTICULAR LAC
GU	OTH	62.69	TESTICULAR REPAIR NEC
GU	OTH	62.7	INSERT TESTICULAR PROSTH
GU	OTH	62.91	ASPIRATION OF TESTES
GU	OTH	62.92	INJECT THER SUBST-TESTES
GU	OTH	62.99	TESTICULAR OPERATION NEC
GU	OTH	63.1	EXC SPERMATIC VARICOCELE
GU	OTH	63.2	EXC EPIDIDYMIS CYST
GU	OTH	63.3	EXC SPERM CORD LES NEC
GU	OTH	63.4	EPIDIDYMECTOMY
GU	OTH	63.51	SUT SPERM CORD/EPID LAC
GU	OTH	63.52	REDUCTION TORSION TESTES
GU	OTH	63.53	TRANSPL SPERMATIC CORD
GU	OTH	63.59	SPERM CORD/EPID REP NEC
GU	OTH	63.6	VASOTOMY
GU	OTH	63.70	MALE STERILIZATION NOS
GU	OTH	63.71	LIGATION OF VAS DEFERENS
GU	OTH	63.72	SPERMATIC CORD LIGATION
GU	OTH	63.73	VASECTOMY
GU	OTH	63.81	SUT VAS DEF & EPID LAC
GU	OTH	63.82	POSTOP VAS DEF RECONST
GU	OTH	63.83	EPIDIDYMOVASOSTOMY
GU	OTH	63.84	RMVL VAS DEF LIGATURE
GU	OTH	63.85	RMVL VAS DEFERENS VALVE
GU	OTH	63.89	VAS DEF/EPID REPAIR NEC
GU	OTH	63.92	EPIDIDYMYOTOMY
GU	OTH	63.93	SPERMATIC CORD INCISION
GU	OTH	63.94	SPERM CORD ADHESIOLYSIS
GU	OTH	63.95	INSERT VALVE IN VAS DEF
GU	OTH	63.99	SPERM CORD/EPID OPS NEC
GU	OTH	64.2	LOC EXC/DESTR PENILE LES
GU	OTH	64.3	AMPUTATION OF PENIS
GU	OTH	64.41	SUTURE PENILE LACERATION
GU	OTH	64.42	CHORDEE RELEASE
GU	OTH	64.43	CONSTRUCTION OF PENIS
GU	OTH	64.44	RECONSTRUCTION OF PENIS
GU	OTH	64.45	REPLANTATION OF PENIS
GU	OTH	64.49	PENILE REPAIR NEC
GU	OTH	64.5	SEX TRANSFORMATION NEC
GU	OTH	64.91	DORSAL/LAT SLIT PREPUCE
GU	OTH	64.92	PENILE INCISION
GU	OTH	64.93	DIVISION OF PENILE ADHES
GU	OTH	64.94	FIT EXT PENILE PROSTH
GU	OTH	64.95	INSERT/REPL NON-IPP NOS
GU	OTH	64.96	RMVL INT PENILE PROSTH
GU	OTH	64.97	INSERT OR REPL IPP
GU	OTH	64.98	PENILE OPERATION NEC
GU	OTH	64.99	MALE GENITAL OP NEC
GU	OTH	66.01	SALPINGOTOMY
GU	OTH	66.02	SALPINGOSTOMY
GU	OTH	66.31	BILAT FALL CRUSHING NEC
GU	OTH	66.32	BILAT FALL LIG & DIV NEC
GU	OTH	66.39	BILAT FALL DESTR NEC

**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
GU	OTH	66.4	TOT UNILAT SALPINGECTOMY
GU	OTH	66.51	RMVL BOTH FALL TUBES
GU	OTH	66.52	RMVL REMAINING FALL TUBE
GU	OTH	66.61	EXC/DESTR FALL LES
GU	OTH	66.62	RMVL FALL & TUBAL PREG
GU	OTH	66.63	BILAT PART FALL RMVL NOS
GU	OTH	66.69	PARTIAL FALL RMVL NEC
GU	OTH	66.71	SMPL SUTURE FALL TUBE
GU	OTH	66.72	SALPINGO-OOPHOROSTOMY
GU	OTH	66.73	SALPINGO-SALPINGOSTOMY
GU	OTH	66.74	SALPINGO-UTEROSTOMY
GU	OTH	66.79	FALL TUBE REPAIR NEC
GU	OTH	66.92	UNILAT FALL DESTR/OCCL
GU	OTH	66.93	IMPL/REPL FALL PROSTH
GU	OTH	66.94	RMVL FALL TUBE PROSTH
GU	OTH	66.97	BURY FIMBRIAE IN UTERUS
GU	OTH	66.99	FALLOPIAN TUBE OP NEC
GU	OTH	67.4	AMPUTATION OF CERVIX
GU	OTH	67.51	TRANSABD CERV CERCLAGE
GU	OTH	68.0	HYSTEROTOMY
GU	OTH	68.21	ENDOMETRIAL SYNECHIA DIV
GU	OTH	68.22	INC CONG UTERINE SEPTUM
GU	OTH	68.29	UTER LES EXC/DESTR NEC
GU	OTH	68.8	PELVIC EVISCERATION
GU	OTH	68.9	HYSTERECTOMY NEC & NOS
GU	OTH	69.19	EXC UTER/SUPP STRUCT NEC
GU	OTH	69.21	INTERPOS OP UTER SUPP
GU	OTH	69.22	UTERINE SUSPENSION NEC
GU	OTH	69.23	VAG REP CHR INVERS UTER
GU	OTH	69.29	UTERUS/ADNEXA REPAIR NEC
GU	OTH	69.3	PARACERV UTERINE DENERV
GU	OTH	69.41	SUTURE UTERINE LAC
GU	OTH	69.42	CLOSURE UTERINE FISTULA
GU	OTH	69.49	UTERINE REPAIR NEC
GU	OTH	70.4	VAGINAL OBLITERATION
GU	OTH	70.50	REP CYSTOCELE/RECTOCELE
GU	OTH	70.51	CYSTOCELE REPAIR
GU	OTH	70.52	RECTOCELE REPAIR
GU	OTH	70.61	VAGINAL CONSTRUCTION
GU	OTH	70.62	VAGINAL RECONSTRUCTION
GU	OTH	70.72	REP COLOVAGINAL FISTULA
GU	OTH	70.73	REP RECTOVAGINAL FISTULA
GU	OTH	70.74	REP VAG-ENT FISTULA NEC
GU	OTH	70.75	REPAIR VAG FISTULA NEC
GU	OTH	70.8	VAGINAL VAULT OBLIT
GU	OTH	71.01	VULVAR ADHESIOLYSIS
GU	OTH	71.09	INC VULVA/PERINEUM NEC
GU	OTH	71.5	RADICAL VULVECTOMY
GU	OTH	71.61	UNILATERAL VULVECTOMY
GU	OTH	71.62	BILATERAL VULVECTOMY
GU	OTH	71.71	SUTURE VULVAR/PERI LAC
GU	OTH	71.72	REP VULVAR/PERI FISTULA
GU	OTH	71.79	VULVAR/PERINEUM REP NEC

## Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
GU	OTH	71.8	VULVAR OPERATIONS NEC
GU	OTH	71.9	FEMALE GENITAL OPS NEC
SKIN	BRST	85.12	OPEN BIOPSY OF BREAST
SKIN	BRST	85.20	BRST TISS EXC/DESTR NOS
SKIN	BRST	85.21	LOCAL EXC BREAST LESION
SKIN	BRST	85.22	QUADRANT RESECT BREAST
SKIN	BRST	85.23	SUBTOTAL MASTECTOMY
SKIN	BRST	85.31	UNILAT RED MAMMOPLASTY
SKIN	BRST	85.32	BILAT RED MAMMOPLASTY
SKIN	BRST	85.33	UNI SUBCU MAMMECT W IMPL
SKIN	BRST	85.34	UNI SUBCU MAMMECTOMY NEC
SKIN	BRST	85.35	BILAT SUBCU MAMMECT-IMPL
SKIN	BRST	85.36	BILAT SUBCU MAMMECT NEC
SKIN	BRST	85.41	UNILAT SIMPLE MASTECTOMY
SKIN	BRST	85.42	BILAT SIMPLE MASTECTOMY
SKIN	BRST	85.43	UNILAT EXTEN SIMPLE MAST
SKIN	BRST	85.44	BILAT EXTEN SIMPLE MAST
SKIN	BRST	85.45	UNILAT RAD MASTECTOMY
SKIN	BRST	85.46	BILAT RADICAL MASTECTOMY
SKIN	BRST	85.47	UNILAT EXTEN RAD MAST
SKIN	BRST	85.48	BILAT EXTEN RAD MAST
SKIN	BRST	85.50	AUGMENT MAMMOPLASTY NOS
SKIN	BRST	85.53	UNILAT BREAST IMPLANT
SKIN	BRST	85.54	BILATERAL BREAST IMPLANT
SKIN	BRST	85.6	MASTOPEXY
SKIN	BRST	85.7	TOTAL BREAST RECONST
ENDO	THYR	06.02	REOPEN THYROID FIELD WND
ENDO	THYR	06.09	INC THYROID FIELD NEC
ENDO	THYR	06.12	OPEN THYROID GLAND BX
ENDO	THYR	06.2	UNILAT THYROID LOBECTOMY
ENDO	THYR	06.31	EXCISION THYROID LESION
ENDO	THYR	06.39	PART THYROIDECTOMY NEC
ENDO	THYR	06.4	COMPLETE THYROIDECTOMY
ENDO	THYR	06.50	SUBSTERN THYROIDECT NOS
ENDO	THYR	06.51	PART SUBSTERN THYROIDECT
ENDO	THYR	06.52	TOT SUBSTERN THYROIDECT
ENDO	THYR	06.6	LINGUAL THYROID EXCISION
ENDO	THYR	06.7	THYROGLOSSAL DUCT EXC
ENDO	THYR	06.81	TOTAL PARATHYROIDECTOMY
ENDO	THYR	06.89	OTHER PARATHYROIDECTOMY
ENDO	THYR	06.91	THYROID ISTHMUS DIVISION
ENDO	THYR	06.92	THYROID VESSEL LIGATION
ENDO	THYR	06.93	SUTURE THYROID GLAND
ENDO	THYR	06.94	THYROID TISS REIMPLANT
ENDO	THYR	06.95	PARATHYROID REIMPLANT
ENDO	THYR	06.98	OTHER THYROID OPERATIONS
ENDO	THYR	06.99	OTHER PARATHYROID OPS
ENDO	OTH	07.00	ADRENAL EXPLORATION NOS
ENDO	OTH	07.01	UNI ADRENAL EXPLORATION
ENDO	OTH	07.02	BI ADRENAL EXPLORATION
ENDO	OTH	07.12	OPEN ADRENAL GLAND BX
ENDO	OTH	07.21	ADRENAL LESION EXCISION
ENDO	OTH	07.22	UNILATERAL ADRENALECTOMY



Appendix C

ICD-9-CM Procedure Codes for Surgical Site Infections *continued*

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
ENDO	OTH	07.29	PART ADRENALECTOMY NEC
ENDO	OTH	07.3	BILATERAL ADRENALECTOMY
ENDO	OTH	07.41	ADRENAL GLAND INCISION
ENDO	OTH	07.42	ADRENAL NERVE DIVISION
ENDO	OTH	07.43	ADRENAL VESSEL LIGATION
ENDO	OTH	07.44	ADRENAL GLAND REPAIR
ENDO	OTH	07.45	ADRENAL TISS REIMPLANT
ENDO	OTH	07.49	ADRENAL OPERATIONS NEC
ENDO	OTH	07.80	THYMECTOMY NOS
ENDO	OTH	07.81	PART EXCISION OF THYMUS
ENDO	OTH	07.82	TOTAL EXCISION OF THYMUS
ENDO	OTH	07.83 <sup>‡</sup>	THORACOSCOPIC PART EXCISION OF THYMUS
ENDO	OTH	07.84 <sup>‡</sup>	THORACOSCOPIC TOTAL EXCISION OF THYMUS
ENDO	OTH	07.91	THYMUS FIELD EXPLORATION
ENDO	OTH	07.92	INCISION OF THYMUS
ENDO	OTH	07.93	REPAIR OF THYMUS
ENDO	OTH	07.94	THYMUS TRANSPLANTATION
ENDO	OTH	07.95 <sup>‡</sup>	THORACOSCOPIC INCISION OF THYMUS
ENDO	OTH	07.98 <sup>‡</sup>	OTHER THORACOSCOPIC OPERATIONS ON THYMUS
ENDO	OTH	07.99	THYMUS OPERATIONS NEC
HMLYM	NECK	30.1	HEMILARYNGECTOMY
HMLYM	NECK	30.21	EPIGLOTTIDECTOMY
HMLYM	NECK	30.22	VOCAL CORDECTOMY
HMLYM	NECK	30.29	OTHER PART LARYNGECTOMY
HMLYM	NECK	30.3	COMPLETE LARYNGECTOMY
HMLYM	NECK	30.4	RADICAL LARYNGECTOMY
HMLYM	NECK	31.45	OPEN LARYNX OR TRACH BX
HMLYM	NECK	40.40	RAD NECK DISSECTION NOS
HMLYM	NECK	40.41	UNILAT RAD NECK DISSECT
HMLYM	NECK	40.42	BILAT RAD NECK DISSECT
RESP	THOR	32.09	LOC DESTR BRONCH LES NEC
RESP	THOR	32.1	BRONCHIAL EXCISION NEC
RESP	THOR	32.20 <sup>‡</sup>	THORASCOPIIC EXC LUNG LESION/TISSUE
RESP	THOR	32.21	EMPHYSEM BLEB PPLICATION
RESP	THOR	32.22	LUNG VOLUME RED SURGERY
RESP	THOR	32.23	OPEN ABLATION LUNG LESION/TISSUE
RESP	THOR	32.25	THORASCOPIIC ABLATION LUNG LESION/TISSUE
RESP	THOR	32.26	ABLATION OF LUNG/TISSUE NEC
RESP	THOR	32.29	LOC EXC LUNG LES NEC
RESP	THOR	32.3 <sup>†</sup>	SEGMENTAL LUNG RESECTION
RESP	THOR	32.30 <sup>‡</sup>	THORASCOPIIC SEGMENTAL LUNG RESECTION
RESP	THOR	32.39 <sup>‡</sup>	OTHER SEGMENTAL LUNG RESECTION
RESP	THOR	32.4 <sup>†</sup>	LOBECTOMY OF LUNG
RESP	THOR	32.41 <sup>‡</sup>	THORASCOPIIC LOBECTOMY OF LUNG
RESP	THOR	32.49 <sup>‡</sup>	OTHER LOBECTOMY OF LUNG
RESP	THOR	32.5 <sup>†</sup>	COMPLETE PNEUMONECTOMY
RESP	THOR	32.50 <sup>‡</sup>	THORASCOPIIC PNEUMONECTOMY
RESP	THOR	32.59 <sup>‡</sup>	OTHER PNEUMONECTOMY
RESP	THOR	32.6	RAD DISSECT THOR STRUCT
RESP	THOR	32.9	LUNG EXCISION NEC

<sup>‡</sup> Effective 10/01/2007

<sup>†</sup> Invalid 10/01/2007

**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

PHC4 CATEGORY	NHSN OPERATIVE CATEGORY	ICD-9-CM PROCEDURE CODE	PROCEDURE CODE DESCRIPTION
RESP	THOR	33.0	BRONCHUS INCISION
RESP	THOR	33.1	LUNG INCISION
RESP	THOR	33.20 <sup>†</sup>	THORACOSCOPIC BIOPSY OF LUNG
RESP	THOR	33.28	OPEN BIOPSY OF LUNG
RESP	THOR	33.31	DESTR PHN-LUNG COLLAPSE
RESP	THOR	33.32	PNEMOTHORAX-LUNG COLLAPS
RESP	THOR	33.33	PNEUMOPERIT-LUNG COLLAPS
RESP	THOR	33.34	THORACOPLASTY
RESP	THOR	33.39	SURG COLLAPS OF LUNG NEC
RESP	THOR	33.41	BRONCHIAL LAC SUTURE
RESP	THOR	33.42	BRONCHIAL FISTULA CLOSE
RESP	THOR	33.43	LUNG LACERATION CLOSURE
RESP	THOR	33.48	BRONCHIAL REPAIR NEC
RESP	THOR	33.49	LUNG REPAIR NEC
RESP	THOR	33.98	BRONCHIAL OPERATION NEC
RESP	THOR	33.99	LUNG OPERATION NEC
RESP	THOR	34.01	CHEST WALL INCISION
RESP	THOR	34.02	EXPLORATORY THORACOTOMY
RESP	THOR	34.03	REOPEN THORACOTOMY SITE
RESP	THOR	34.06 <sup>†</sup>	THORACOSCOPIC DRAIN PLEURAL CAVITY
RESP	THOR	34.1	MEDIASTINUM INCISION
RESP	THOR	34.20 <sup>†</sup>	THORACOSCOPIC PLEURAL BIOPSY
RESP	THOR	34.26	OPEN MEDIASTINAL BIOPSY
RESP	THOR	34.3	DESTR MEDIASTINUM LES
RESP	THOR	34.4	EXC/DESTR CHEST WALL LES
RESP	THOR	34.51	DECORTICATION OF LUNG
RESP	THOR	34.52 <sup>†</sup>	THORACOSCOPIC DECORTICATION OF LUNG
RESP	THOR	34.59	PLEURAL EXCISION NEC
RESP	THOR	34.6	PLEURAL SCARIFICATION
RESP	THOR	34.81	EXC DIAPHRAGM LES/TISS
RESP	THOR	34.82	SUTURE DIAPHRAGM LAC
RESP	THOR	34.83	CLOSE DIAPHRAGM FISTULA
RESP	THOR	34.84	DIAPHRAGM REPAIR NEC
RESP	THOR	34.89	DIAPHRAGM OPERATION NEC
RESP	THOR	34.93	PLEURA REPAIR
RESP	THOR	34.99	THORACIC OPERATIONS NEC
RESP	THOR	53.80	REPAIR DH THOR APPR NOS
RESP	THOR	53.81	DIAPHRAGMATIC PPLICATION
RESP	THOR	53.82	PARASTERNAL HERNIA REP
RESP	OTH	30.09	EXC/DESTR LARYNX LES NEC
RESP	OTH	31.5	LOC EXC/DESTR LARYNX LES
RESP	OTH	31.61	SUTURE OF LARYNGEAL LAC
RESP	OTH	31.62	LARYNGEAL FISTULA CLOSE
RESP	OTH	31.63	LARYNGOSTOMY REVISION
RESP	OTH	31.64	LARYNGEAL FX REPAIR
RESP	OTH	31.69	OTHER LARYNGEAL REPAIR
RESP	OTH	31.71	SUTURE OF TRACHEAL LAC
RESP	OTH	31.72	CLOSURE OF TRACHEOSTOMY
RESP	OTH	31.73	TRACH FISTULA CLOSE NEC
RESP	OTH	31.75	TRACHEAL RECONSTRUCTION
RESP	OTH	31.79	OTHER TRACHEAL REPAIR

<sup>†</sup> Effective 10/01/2007

**Appendix C**

**ICD-9-CM Procedure Codes for Surgical Site Infections *continued***

<b>PHC4 CATEGORY</b>	<b>NHSN OPERATIVE CATEGORY</b>	<b>ICD-9-CM PROCEDURE CODE</b>	<b>PROCEDURE CODE DESCRIPTION</b>
RESP	OTH	31.91	LARYNGEAL NERV DIVISION
RESP	OTH	33.50	LUNG TRANSPLANT NOS
RESP	OTH	33.51	UNILAT LUNG TRANSPLANT
RESP	OTH	33.52	BILAT LUNG TRANSPLANT
RESP	OTH	33.6	HEART-LUNG TRANSPLANT
RESP	OTH	33.92	BRONCHIAL LIGATION
RESP	OTH	33.93	PUNCTURE OF LUNG
RESP	OTH	34.71	SUTURE CHEST WALL LAC
RESP	OTH	34.72	THORACOSTOMY CLOSURE
RESP	OTH	34.73	CLOSE THOR FISTULA NEC
RESP	OTH	34.74	PECTUS DEFORMITY REPAIR
RESP	OTH	34.79	CHEST WALL REPAIR NEC
RESP	OTH	34.85	IMPL DIAPHRAGMATIC PACER

