

NATIONAL HEALTHCARE SAFETY NETWORK SURGICAL SITE INFECTION (SSI)- SURVEILLANCE

Surveillance Definitions

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REFERENCE ACKNOWLEDGMENT 2024 NHSN ANNUAL TRAINING

► Surgical Site Infection Event (SSI) Surveillance Basics

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PATIENT SAFETY COMPONENT: CHAPTER 9

Setting:

 SSI surveillance will occur in any inpatient facility and/or hospital outpatient procedure department where the selected NHSN operative procedure(s) are performed.

▶ Requirements

- ➤ SSI Surveillance follows at least one NHSN operative procedure category (of the **39 eligible** categories) as noted on the facility Monthly Reporting Plan (MRP). Collect SSI event (numerator) and operative procedure (denominator) data on all procedures included in the operative procedure categories selected on the facility MRP.
- ▶ All procedures are monitored for superficial incisional, deep incisional, and organ/space SSI events. The type of SSI reported into NHSN must reflect the deepest tissue level where SSI criteria are met during the surveillance period.
- SSI events are reported to NHSN regardless of noted evidence of infection at time of surgery (PATOS). Each SSI is linked to a specific NHSN operative denominator procedure.
- ▶ An SSI event is reported by the facility where the NHSN operative procedure is performed.



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NHSN OPERATIVE PROCEDURE



▶ Definition of an NHSN Operative Procedure:

Is a procedure that is included in the <u>ICD-10-PCS</u> or <u>CPT</u> NHSN operative procedure code mapping.

Δnd

 Takes place during an operation where at least one incision (including laparoscopic approach and cranial Burr holes) is made through the skin or mucous membrane, or entry through an existing incision (such as an incision from a prior operative procedure).

And

 Takes place in an operating room (OR), defined as a patient care area that met the Facilities Guidelines Institute's (FGI) or American Institute of Architects' (AIA) criteria for an operating room when it was constructed or renovated. This may include an operating room, C-section room, interventional radiology room, or a cardiac catheterization lab.



Δ

NHSN OPERATIVE PROCEDURE CODES

- ▶ Allows NHSN to standardize NHSN SSI surveillance reporting.
- ► NHSN operative procedure category inclusions is based on operative procedure codes.
- Operative procedure codes are required to determine the correct NHSN operative procedure category to be reported (entry of codes into the NHSN application is optional but recommended).
- ▶ NHSN uses ICD-10-CM/PCS & CPT operative procedure coding systems.
- Must include all qualifying procedures in the selected operative procedure categories indicated on the facility MRP.
- ➤ The date of procedure determines the year of protocol/procedure code documents to use with SSI surveillance.

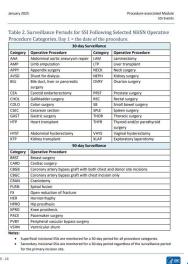


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NHSN OPERATIVE PROCEDURE CATEGORIES

▶ **Table 2**, page 9-16 SSI protocol:

39 NHSN operative procedure categories eligible for SSI surveillance.



PICE

NHSN MATIONAL HEALTHCARE SAFETY NETWORK	Form Approved OMB No. 0920-0666 Exp. Date: 12/31/2027 www.edc.gov/nhsn		
Page 1 of 2	*required for saving		
Facility ID	Procedure #:		
*Patient ID:	Social Security #:		
Secondary ID:	Medicare #:		
Patient Name, Last:	First: Middle:		
*Sex: F M Ethnicity (Specify):	*Date of Birth:		
Hispanic or Latino Not Hispanic or Latino Unknown Declined to respond	American Indian or Alaska Native Asian Black or African American Middle Eastern or North African Native Hawaiian or Pacific Islander White Unknown Declined to respond		
Language: (Select all that apply)	Interpreter Needed: Yes No Declined to Respond Unknown		
Event Type: PROC	*NHSN Procedure Code:		
*Date of Procedure:	ICD-10-PCS or CPT Procedure Code:		
Procedure Details			
*Outpatient: Yes No	*Duration:HoursMinutes		
*Wound Class: C CC CO D	*General Anesthesia: Yes No		
ASA Score: 1 2 3 4 5	*Emergency: Yes No		
*Trauma: Yes No *Scope: Yes	No *Diabetes Mellitus: Yes No		
*Height:feetinches	*Closure Technique: Primary Other than primary		
(choose one)meters *Weight: lbs/kg (circle one)	Surgeon Code:		

NHSN INPATIENT OPERATIVE PROCEDURE VS. NHSN OUTPATIENT OPERATIVE PROCEDURE

- ► NHSN Inpatient Operative Procedure:
 - ▶ An NHSN operative procedure performed on a patient whose date of admission to the healthcare facility and the date of discharge are different calendar days.
- ► NHSN Outpatient Operative Procedure:
 - ▶ An NHSN operative procedure performed on a patient whose date of admission to the healthcare facility and date of discharge are the same calendar day.



DENOMINATOR REPORTING INSTRUCTIONS

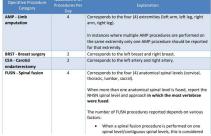
- Denominator data is submitted for each individual NHSN operative procedure performed assigned to the procedure category selected for monitoring on the facility MRP.
- Depending on scenario, Denominator Reporting Instructions provide guidance related to:
 - ▶ Number of procedure forms to complete
 - ► Duration of procedure(s)
 - More than one operative procedure through same incision/surgical space within 24 hours
 - ► HYST/VHYS reporting
 - ▶ Patient expires in the Operating Room



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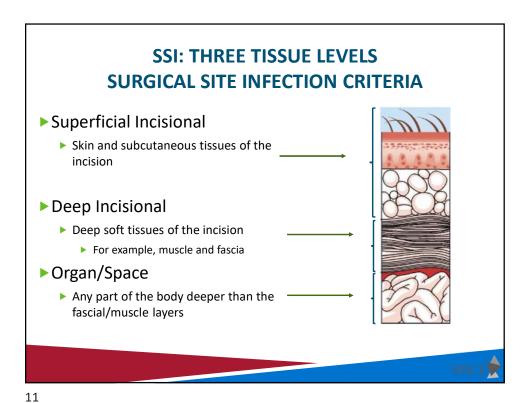
APPENDIX B: GUIDANCE FOR MULTIPLE PROCEDURE REPORTING

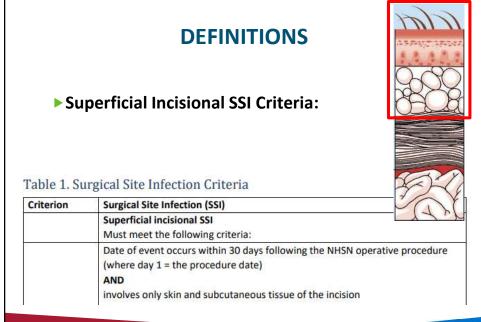
APPENDIX B
Guidance for Multiple Procedure Reporting
This table addresses the 12 MSK operative procedure categories that are included in <u>Denominator</u> for <u>Recordina Institution 65-5 ame INFO Neperative procedure categories was separate Incidions</u>, AMP, BBST, CEA, FUSIN, PK, HER, HPBO, LPMO, LAM, KEPH, OWK, PWBY. The instruction provides guidance on correct procedure reporting when multiple procedures from one of these categories [sprocedures from the same category] are performed via separate incisions per patient per calendar day. The table includes the maximum number of procedures per day per patient and an explanation.



- Addresses the 12 NHSN operative procedure categories that are in Denominator for Reporting Instruction #6- Same NHSN operative procedure category via separate incision: AMP, BRST, CEA, FUSN, FX, HER, HPRO, KPRO, LAM, NEPH, OVRY, PVBY.
- ➤ Correct procedure reporting when multiple procedures form one of these categories (procedures from the same category) are performed via separate incision per patient per calendar day.
- ➤ The table includes the maximum # of procedures per day per patient and an explanation.







DEFINITIONS

► Superficial Incisional SSI Criteria cont.:

AND

patient has at least one of the following:

- a. purulent drainage from the superficial incision.
- organism(s) identified from an aseptically-obtained specimen from the superficial incision or subcutaneous tissue by a culture or nonculture based microbiologic testing method which is performed for purposes of clinical diagnosis or treatment (for example, not Active Surveillance Culture/Testing [ASC/AST])
- a superficial incision that is deliberately opened or re-accessed by a surgeon, physician* or physician designee and culture or non-culture based testing of the superficial incision or subcutaneous tissue is not performed

AND

patient has at least one of the following signs or symptoms: localized pain or tenderness; localized swelling; erythema; or heat

d. diagnosis of a superficial incisional SSI by a physician* or physician designee



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DEFINITIONS

- ► Superficial Incisional SSI Criteria Notes:
- ▶ Two specific types of superficial incisions SSIs
- ► Superficial incisional primary (SIP)
 - A superficial incisional SSI that is identified in the primary incision in a patient that has had an operation with one or more incisions (chest incision for CBGB)
- Superficial incisional secondary (SIS)
 - A superficial incisional SSI that is identified in the secondary incision in a
 patient that has had an operation with one or more incisions (e.g., donor site
 for CBGB)

Note: Refer to SSI Event Reporting Instruction #7 for NHSN operative procedure categories with secondary incision sites available for SSI attribution.



KEY CONCEPT

- ▶ Reporting Instructions for Superficial SSI
- A stitch abscess (minimal inflammation and discharge contained to the points of suture penetration) is not considered an SSI
- A localized stab wound, or pin site infection is not considered an SSI
 - · may be SKIN/ST infection
 - A laparoscopic trocar site is considered a surgical incision and not a stab wound. If the surgeon uses the trocar site to place a drain at the end of the procedure this is considered a surgical incision.
- Diagnosis of cellulitis (redness/warmth/swelling), by itself, does not meet the criteria for incision SSI criterion 'd'.



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KNOWLEDGE CHECK

- ► Locate your Superficial SSI criteria.
 - ► Ready
 - ▶ Set
 - ▶G0!



- •11/1 Mr. Wall is admitted for a spinal fusion.
- •11/4 discharged
- •11/20 on post-op visit patient noted to have redness and swelling of the superficial incision. The wound is not cultured nor probed. The patient is given antibiotics and sent home.

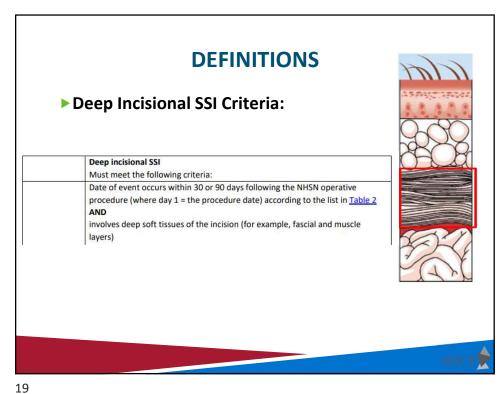
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KNOWLEDGE CHECK... CONTINUED

- 11/1 Mr. Wall is admitted for a spinal fusion.
- 11/4 discharged
- 11/20 on post-op visit patient noted to have redness and swelling of the superficial incision. The wound is not cultured nor probed. The patient is given antibiotics and sent home.
- 11/29 Mr. Wall presents to the Emergency room with purulent drainage from the superficial incision. The wound is cultured and grows MRSA. Patient is given antibiotics and discharged home.





DEFINITIONS

▶ Deep Incisional SSI Criteria continued:

AND

patient has at least one of the following:

- a. purulent drainage from the deep incision
- a deep incision that is deliberately opened*, re-accessed, or aspirated by a surgeon, physician** or physician designee or spontaneously dehisces

AND

organism(s) identified from the deep soft tissues of the incision by a culture or non-culture based microbiologic testing method which is performed for purposes of clinical diagnosis or treatment (for example, not Active Surveillance Culture/Testing [ASC/AST]) or culture or non-culture based microbiologic testing method is not performed. A culture or non-culture based test from the deep soft tissues of the incision that has a negative finding does not meet this criterion.

AND

patient has at least <u>one</u> of the following signs or symptoms: fever (>38°C); localized pain or tenderness

 an abscess or other evidence of infection involving the deep incision detected on gross anatomical exam, histopathologic exam, or imaging test



DEFINITIONS

► Deep Incisional SSI Criteria Notes:

Deep incisional SSI

There are two specific types of deep incisional SSIs:

- Deep Incisional Primary (DIP) a deep incisional SSI that is identified in a primary incision in a patient that has had an operation with one or more incisions (for example, C-section incision or chest incision for CBGB)
- Deep Incisional Secondary (DIS) a deep incisional SSI that is identified in the secondary incision in a patient that has had an operation with more than one incision (for example, donor site incision for CBGB)

Note: Refer to SSI Event Reporting Instruction #7 for NHSN operative procedure categories with secondary incision sites available for SSI attribution.



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DEFINITIONS

► Organ/Space SSI Criteria:

Organ/Space SSI

Must meet the following criteria:

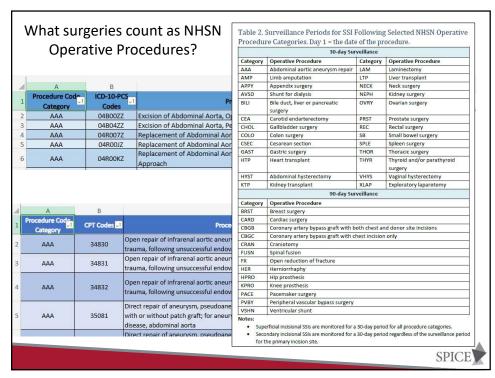
Date of event occurs within 30 or 90 days following the NHSN operative procedure (where day 1 = the procedure date) according to the list in <u>Table 2</u>

AND

involves the organ/space tissues (deeper than the fascia/muscle)







DEFINITIONS

► Organ/Space SSI Criteria cont.:

AND

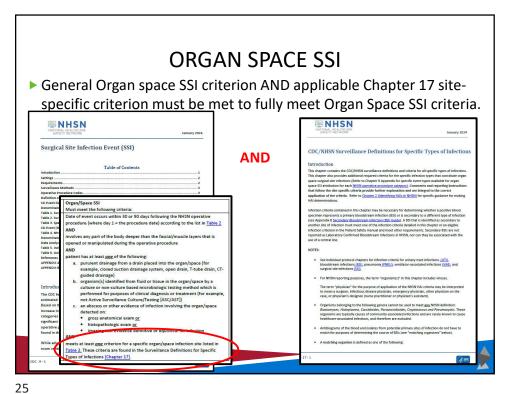
patient has at least one of the following:

- purulent drainage from a drain placed into the organ/space (for example, closed suction drainage system, open drain, T-tube drain, CTguided drainage)
- organism(s) identified from fluid or tissue in the organ/space by a culture or non-culture based microbiologic testing method which is performed for purposes of clinical diagnosis or treatment (for example, not Active Surveillance Culture/Testing [ASC/AST])
- an abscess or other evidence of infection involving the organ/space detected on:
 - · gross anatomical exam or
 - histopathologic exam <u>or</u>
- imaging test evidence definitive or equivocal for infection

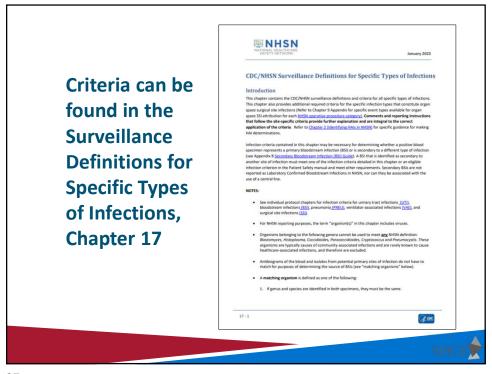
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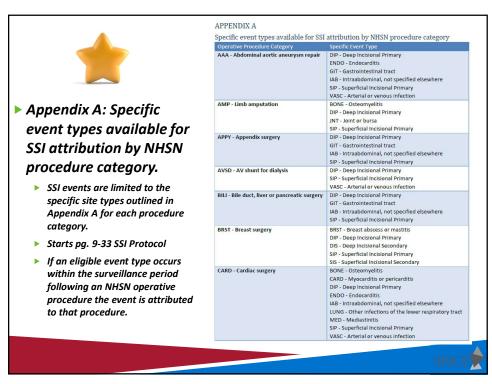
meets at least <u>one</u> criterion for a specific organ/space infection site listed in <u>Table 3</u>. These criteria are found in the Surveillance Definitions for Specific Types of Infections (<u>Chapter 17</u>).





Category	Specific Site	Category	Specific Site	
BONE	Osteomyelitis	MED	Mediastinitis	
BRST	Breast abscess or mastitis	MEN	N Meningitis or ventriculitis	
CARD	Myocarditis or pericarditis	ORAL	Oral cavity infection (mouth, tongue, or gums)	
DISC	Disc space infection	OREP	REP Deep pelvic tissue infection or other infection of the male or female reproductive tract	
EAR	Ear, mastoid infection	PJI	Periprosthetic joint infection	
EMET	Endometritis	SA	Spinal abscess/infection	
ENDO	Endocarditis	SINU	Sinusitis	
GIT IAB IC JNT	Gastrointestinal (GI) tract infection Intraabdominal infection, not specified elsewhere Intracranial infection	UR Upper respiratory tract, pharyngitis, laryngitis, epiglottitis		
		USI	Urinary System Infection Arterial or venous infection	
		VASC		
	Joint or bursa infection	Joint or bursa infection VCUF Vaginal cuff infection		
LUNG	Other infection of the lower respiratory tract			
nfections) lote: <u>Appe</u>		operative p	rveillance Definitions for Specific Type rocedure categories and the site-specif	





SSI-PROCEDURE-ASSOCIATED MODULE

- ► Chapter 2 terms **not** applicable to SSI:
 - ► Infection window period (IWP)
 - ▶ Present on admission (POA)
 - ▶ Healthcare-associated infection
 - ► (HAI)
 - ► Repeat infection timeframe (RIT)
- ► SSI protocol uses terms:
 - ▶ Date of Event (DOE)
 - ► Secondary BSI Attribution Period



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SURVEILLANCE PERIOD

- ► The timeframe following an NHSN operative procedure for monitoring and identifying an SSI event.
 - The surveillance period is determined by the NHSN operative procedure category (Table 2).
 - Superficial incisional SSI: 30day surveillance period for all procedure categories.
 - Secondary incisional SSI: 30day surveillance period for secondary incision site for all procedure categories.
 - Deep Incisional or Organ space have 30–90-day surveillance period.

30-day Surveillance						
Category	Operative Procedure	Category	Operative Procedure			
AAA	Abdominal aortic aneurysm repair	LAM	Laminectomy			
AMP	Limb amputation	LTP	Liver transplant			
APPY	Appendix surgery	NECK	Neck surgery			
AVSD	Shunt for dialysis	NEPH	Kidney surgery			
BILI	Bile duct, liver or pancreatic surgery	OVRY	Ovarian surgery			
CEA	Carotid endarterectomy	PRST	Prostate surgery			
CHOL	Gallbladder surgery REC Rectal surgery		Rectal surgery			
COLO	Colon surgery	SB	Small bowel surgery			
CSEC	Cesarean section	SPLE	Spleen surgery			
GAST	Gastric surgery	THOR	Thoracic surgery			
НТР	Heart transplant	THYR	Thyroid and/or parathyroid surgery			
HYST	Abdominal hysterectomy	VHYS	Vaginal hysterectomy			
KTP	Kidney transplant	XLAP	Exploratory laparotomy			
	90-day Sur	veillance				
Category	Operative Procedure					
BRST	Breast surgery					
CARD	Cardiac surgery					
CBGB	Coronary artery bypass graft with both chest and donor site incisions					
CBGC	Coronary artery bypass graft with chest incision only					
CRAN	Craniotomy					
FUSN	Spinal fusion					
FX	Open reduction of fracture					
HER	Herniorrhaphy					
HPRO	Hip prosthesis					
KPRO	Knee prosthesis					
PACE	Pacemaker surgery					
PVBY	Peripheral vascular bypass surgery					
VSHN	Ventricular shunt					
	erficial incisional SSIs are monitored for a					

DATE OF EVENT (DOE) FOR SSI

- ► The date when the first element used to meet the SSI infection criterion occurs for the first time during the SSI surveillance period.
 - ▶ DOE must occur within appropriate 30- or 90-day SSI surveillance period.
 - ▶ The type of SSI reported, and the DOE assigned must reflect the deepest tissue level where SSI criteria are met during the surveillance period.
 - Example: COLO performed
 - Meets SIP-SSI with DOE on day 8 of surveillance period.
 - ▶ Meets DIP-SSI with DOE on day 21 of surveillance period.
 - DIP-SSI reported with DOE as day 21 attributed to the COLO.



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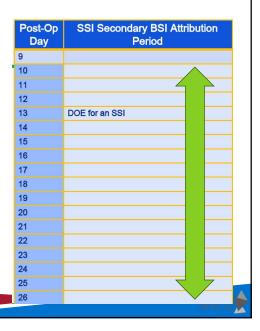
SSI EVENT DETAIL: TIMEFRAME FOR SSI ELEMENTS

- ▶ SSI guidelines do not offer a strict timeframe for elements of criteria to occur but in NHSN's experience, all elements required to meet an SSI criterion usually occur within a 7–10-day timeframe with typically no more than 2-3 days between elements.
- ▶ To ensure all elements associate to the SSI, elements must occur in a relatively
- ▶ tight timeframe.
 - ▶ Example: An element on day 5 of the surveillance period with another element three weeks later should not be used to cite an SSI.
- ► Cases differ based on elements that occur and type of SSI under consideration



SECONDARY BSI SCENARIOS FOR SSI

- ▶ Scenario 1 (all levels of SSI): At least one organism from the blood specimen matches an organism identified from the site-specific specimen used as an element to meet the NHSN SSI criterion AND the blood specimen is collected during the secondary BSI attribution period.
- ► The secondary BSI attribution period for SSI is a 17-day period which includes the SSI DOE, 3 days prior and 13 days after.



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SECONDARY BSI SCENARIOS FOR SSI

► Scenario 2
(Organ/Space SSI
Only): An organism identified in the blood specimen is an element that is used to meet the NHSN Organ/Space SSI site-specific infection criterion and is collected during the timeframe for SSI elements.

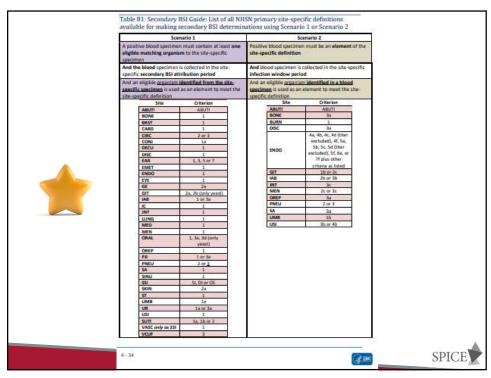
IAB-Intraabdominal infection, not specified elsewhere, including gallbladder, bile ducts, liver (excluding viral hepatitis), spleen, pancreas, peritoneum, retroperitoneal, subphrenic or subdiaphragmatic space, or other intraabdominal tissue or area not specified elsewhere

Intraabdominal infections must meet at least <u>one</u> of the following criteria

- Patient has organism(s) identified from an abscess or from purulent material from intrabdominal space by a culture or non-culture based microbiologic testing method which is performed for purposes of clinical diagnosis or treatment, for example, not Active Surveillance Culture/Testing (ASC/AST).
- Patient has at least one of the following:
 - a. abscess or other evidence of intraabdominal infection on gross anatomic or histopathologic exam.
 b. abscess or other evidence of intraabdominal infection on gross anatomic or histopathologic
 - b. abscess of other evidence of intraabdominal infection on gross anatomic of histopathologic exam
 (See Reporting Instructions)

organism(s) identified from blood by a culture or non-culture based microbiologic testing method, which is performed for purposes of clinical diagnosis or treatment, for example, not Active Surveillance Culture/Testing (ASC/AST). The organism(s) identified in the blood must contain at least one MBI organism on the NHSN Organism List that can be accessed via the spreadsheet or the new https://links.niss.organism-content/ or the new https://links.niss.organism-





GROSS ANATOMICAL EXAM



- Evidence of infection elicited or visualized on physical examination or observed during an invasive procedure.
- Examples:
 - intraabdominal abscess visualized during surgery
 - Visualization of pus or purulent drainage (includes from a drain).
 - SSI only: Abdominal pain or tenderness post Cesarean section (CSEC) or hysterectomy (HYST/VHYS) is sufficient gross anatomic evidence of infection without an invasive procedure to meet general Organ/Space SSI criterion "c" when a Chapter 17 reproductive tract infection criteria is met.
- Imaging test evidence of is not gross anatomic evidence of infection.



PURULENCE

- NHSN does not define purulence, as there is no standard, clinically agreed upon definition
 - The descriptors "pus" or "purulence" are sufficient evidence
- Drainage using a color descriptor <u>AND</u> a consistency descriptor (if combined) are acceptable to indicate purulence:
 - · Color: green, yellow
 - Consistency: milky, thick, creamy, opaque, viscous
 - Example: 'thick yellow' drainage is acceptable to indicate purulence but 'thick' alone or 'yellow' alone is not.
- Gram stain results (WBCs or PMNs) cannot be used to define purulence

Note: The following descriptors cannot be used to define purulence/infection: 'Cloudy', 'turbid', 'murky', or the odor of the wound.



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SSI EVENT REPORTING INSTRUCTIONS

- ➤ SSI Event Reporting Instructions starting on page 9-18 of the SSI module, provides guidance on accurate SSI even reporting including:
 - ► Excluded organisms
 - ▶ Infection Present at the time of surgery (PATOS)
 - ▶ SSI attribution
 - SSI even detected at another facility
 - ▶ SSI following invasive manipulation or accession of the operative site



INFECTION PRESENT AT TIME OF SURGERY(PATOS)

- Denotes that there is evidence of an infection visualized (seen) during the operative procedure to which the SSI is attributed.
- The evidence of infection must be noted intraoperatively and documented within the **narrative portion** of the operative note or report of surgery (commonly labeled the 'procedure in detail' or 'description of procedure's section)
 - Pre/post op diagnoses, 'indication for surgery' NOT surgical narrative.
 - A "Findings" section, if a reflection of what the surgeon 'sees' present at the time of surgery, can be considered a surgical narrative.
- PATOS is tissue level specific meaning the documented infection must be at the same tissue level of the subsequent SSI.
- Pathology findings, culture results, wound classification, trauma status, and imaging test findings cannot be used for PATOS determination.
- Traumas resulting in a contaminated case does not necessarily meet PATOS.



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INFECTION PRESENT AT TIME OF SURGERY(PATOS)

- Examples that indicate evidence of infection may include:
 - · Abscess, infection, purulence, phlegmon, or "feculent peritonitis".
 - A ruptured/perforated appendix is evidence of infection at the organ/space level
- Examples of verbiage that is not considered evidence of infection include but are not limited to:
 - colon perforation, contamination, necrosis, gangrene, fecal spillage, nicked bowel during procedure, or a note of inflammation.
- The use of the ending "itis" in an operative note does not automatically meet PATOS, as it may only reflect inflammation.
 - · Examples: diverticulitis, peritonitis, appendicitis.



SSI FOLLOWING INVASIVE MANIPULATION/ACCESSION OF THE OPERATIVE SITE

- An SSI will not be attributed if the following 3 criteria are ALL met:
 - During the post-operative period, the surgical site is without evidence of infection related to the surgical site/space.
 - An invasive manipulation/accession of the site is performed for diagnostic or therapeutic purposes (for example, needle aspiration, accession of ventricular shunts, accession of breast expanders)
 - An infection subsequently develops in a tissue level which was entered during the manipulation/accession

► Notes:

- Suspicion or evidence of infection may include signs and symptoms of infection (e.g. fever, abdominal pain) depending on the site of the procedure.
- ▶ Tissue levels not manipulated/access are still eligible for SSI.
- Does not include closed manipulation, wound packing or changing of wound packing materials, or routine flushing of catheters as part of standard care and maintenance.



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SSI ATTRIBUTION

- SSI attribution after multiple categories of NHSN procedures are performed during a single trip to the OR:
 - Attribute the SSI to the procedure that is thought to be associated with the infection.
 - When attribution is not clear, use the NHNS Principal Operative Procedure Category Selection Lists (Table 4) to select the operative procedure to which to attribute the SSI.

Priority	Category	Abdominal Operative Procedures			
1	LTP	Liver transplant			
2	COLO	Colon surgery			
3	BILI	Bile duct, liver or pancreatic surgery			
4	SB	Small bowel surgery			
5	REC	Rectal surgery			
6	KTP	Kidney transplant			
7	GAST	Gastric surgery			
8	AAA	Abdominal aortic aneurysm repair			
9	HYST	Abdominal hysterectomy			
10	CSEC	Cesarean section			
11	XLAP	Laparotomy			
12	APPY	Appendix surgery			
13	HER	Herniorrhaphy			
14	NEPH	Kidney surgery			
15	VHYS	Vaginal hysterectomy			
16	SPLE	Spleen surgery			
17	CHOL	Gall bladder surgery			
18	OVRY	Ovarian surgery			
Priority	Category	Thoracic Operative Procedures			
1	HTP	Heart transplant			
2	CBGB	Coronary artery bypass graft with donor incision(s)			
3	CBGC	Coronary artery bypass graft, chest incision only			
4	CARD	Cardiac surgery			
5	THOR	Thoracic surgery			
Priority	Category	Neurosurgical (Brain/Spine) Operative Procedure:			
1	VSHN	Ventricular shunt			
2	CRAN	Craniotomy			
3	FUSN	Spinal fusion			
4	LAM	Laminectomy			
Priority	Category	Neck Operative Procedures			
1	NECK	Neck surgery			
2	THYR	Thyroid and or parathyroid surgery			



RESOURCES

- ▶ NHSN Surgical Site Infection (SSI) Events webpage
 - https://www.cdc.gov/nhsn/psc/ssi/index.html
- ▶ Patient Safety Component Manual Chapter 9: SSI Protocol
 - https://www.cdc.gov/nhsn/pdfs/pscmanual/9pscssicurrent.pdf
- ► Patient Safety Component Manual Chapter 17: CDC/NHSN Surveillance Definitions for Specific Types of Infections
 - https://www.cdc.gov/nhsn/pdfs/pscmanual/17pscnosinfdef_current.pdf
- ► FAQs: Surgical Site Infections (SSI) Events:
 - https://www.cdc.gov/nhsn/faqs/faq-ssi.html
- ► Surgical Site Procedure Codes
 - ► FAQs: Surgical Site Procedure Codes | NHSN | CDC



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