

2025 NHSN COLO Procedure/SSI Medical Record Abstraction Tool (MRAT)

V1.0 Updated March 2026 – for validating 2025 data

For use in acute care hospital SSI validation following inpatient COLO procedures performed during Q1-Q4, 2025.

Refer to associated 2025 MRAT instructions for additional details.

1. Patient and Medical Record Identifiers			
Facility (NHSN) OrgID:	Date of Audit: ____/____/____	Review Start Time:	Review End Time:
Patient ID:	Patient DOB: ____/____/____	Reviewer Initials:	
Facility Admission Date 1 (for index COLO Procedure): ____/____/____	Facility Discharge Date 1: ____/____/____	COLO Procedure Date: ____/____/____	
List all NHSN operative procedure codes assigned to the index procedure. <i>ICD-10-PCS and CPT codes can be found in the "Operative Procedure Code Documents" section of the link below:</i> http://www.cdc.gov/nhsn/acute-care-hospital/ssi/index.html <i>ICD-10-PCS codes:</i> _____; _____; _____; _____ <i>CPT codes:</i> _____; _____; _____; _____	Select all NHSN procedure categories performed during index COLO procedure:		
	<input type="checkbox"/> LTP - Liver transplant <input type="checkbox"/> COLO - Colon surgery <input type="checkbox"/> BILI - Bile duct, liver, or pancreatic surgery <input type="checkbox"/> SB - Small bowel surgery <input type="checkbox"/> REC - Rectal surgery <input type="checkbox"/> KTP - Kidney transplant <input type="checkbox"/> GAST - Gastric surgery <input type="checkbox"/> AAA - Abdominal aortic aneurysm repair <input type="checkbox"/> HYST - Abdominal hysterectomy	<input type="checkbox"/> CSEC - Cesarean section <input type="checkbox"/> XLAP - Laparotomy <input type="checkbox"/> APPY - Appendix surgery <input type="checkbox"/> HER - Herniorrhaphy <input type="checkbox"/> NEPH - Kidney surgery <input type="checkbox"/> VHYS - Vaginal hysterectomy <input type="checkbox"/> SPLE - Spleen surgery <input type="checkbox"/> CHOL - Gall bladder surgery <input type="checkbox"/> OVRY - Ovarian surgery	
<i>Record later admission dates below only if they occur within 30 days of COLO procedure (Procedure date = day 1 of 30).</i>			
Facility Admission Date 2: ____/____/____		Facility Discharge Date 2: ____/____/____	
Facility Admission Date 3: ____/____/____		Facility Discharge Date 3: ____/____/____	

2. NHSN Operative Procedure Criteria	
Did COLO operative procedure meet NHSN definition for inpatient operative procedure? (Refer to NHSN PSC Module SSI Chapter 9)	
<input type="checkbox"/> Yes	If Yes, proceed to Section 3.
<input type="checkbox"/> No	If No, proceed to Section 5 and select outcome (a) Not a candidate COLO: Did not meet NHSN Inpatient Operative Procedure definition

3. Document COLO Procedure Risk-Adjustment Variables in Medical Record at Time of Procedure for Comparison to NHSN				
ASA physical status (ASA score) :		1 2 3 4 5 (If ASA=6 these patients are <i>not</i> eligible for SSI surveillance)		
General anesthesia (does not include conscious sedation) :		Yes	No	
Scope :		Yes	No	
Emergency (emergency or urgent procedure per facility protocol) :		Yes	No	
Trauma (blunt or penetrating injury occurring prior to start of the procedure) :		Yes	No	
Age (years):				
Height:		___feet/___inches OR ___ meters		
Weight (most recent documented prior to or otherwise closest to the procedure):		___pounds OR ___kilograms		
Wound class :		CC CO D (If Wound Class=C the procedure is not eligible for SSI surveillance)		
Total number of beds reported on 2025 NHSN annual facility survey:				
Facility teaching hospital affiliation reported on 2025 NHSN annual facility survey:		<input type="checkbox"/> No affiliation <input type="checkbox"/> Major <input type="checkbox"/> Graduate <input type="checkbox"/> Undergraduate <input type="checkbox"/> N/A (IRF & LTACH)		
Sex:		Male	Female	
Oncology hospital:		Yes	No	
COLO procedure duration:	Procedure start date	Procedure start time	Procedure finish date	Procedure finish time
Index procedure				
2 nd Procedure within 24 hours				
Procedure duration (derived from above information): _____hours and _____minutes				

4. Document Subsequent Surgery / Invasive Procedure During COLO SSI Surveillance Period	
<input type="checkbox"/> Yes	If yes, document additional procedure(s) and dates for consideration and proceed to 5.
<input type="checkbox"/> No	If no, proceed to 5.
Invasive procedure 1:	Date 1:
Invasive procedure 2:	Date 2:
<i>Document any evidence of infection during invasive procedures above:</i>	

5. Outcome of 2025 COLO SSI Validation	
5a. Outcome	
If outcome (b) is selected, use the NHSN SSI definitions criteria in Table 1 on the instruction sheet to determine which depth of SSI criteria were met and the SSI DOE*. Select the appropriate depth, enter the DOE, then select which point during the surveillance period the SSI was identified. Proceed to 5b.	
<i>*SSI DOE is the date when the first element used to meet the SSI infection criterion occurs for the first time during the SSI surveillance period. The DOE must fall within the SSI surveillance period to meet SSI criteria.</i>	
<input type="checkbox"/> (a) Not a candidate COLO: Did not meet NHSN Inpatient Operative Procedure definition	
<input type="checkbox"/> (b) SSI	SSI DOE: ___/___/___
	Select the deepest SSI depth: <input type="checkbox"/> (b1) Superficial incisional (SIP) SSI <input type="checkbox"/> (b2) Deep incisional (DIP) SSI <input type="checkbox"/> (b3) Organ/Space SSI (Specify site): <input type="checkbox"/> IAB – Intraabdominal infection <input type="checkbox"/> OREP – Deep pelvic tissue infection/other infection of the male or female reproductive tract <input type="checkbox"/> GIT – Gastrointestinal tract infection <input type="checkbox"/> USI – Urinary System Infection
	At which point during the surveillance period was the SSI identified? (select one) <input type="checkbox"/> Admission (A) <input type="checkbox"/> Post-discharge surveillance (P) <input type="checkbox"/> Readmission to facility where surgery was originally performed (RF) <input type="checkbox"/> Readmission to facility other than the one that performed the surgery (RO)
<input type="checkbox"/> (c) No SSI	

5b. Was there evidence of infection visualized (seen) and documented within the narrative portion of the operative note of the index surgical procedure and at the same tissue level of the subsequent SSI event?

For details on Infection present at time of surgery (PATOS), refer to NHSN PSC Manual SSI Chapter 9 (SSI Event Reporting Instruction #3).

Yes No

6. Attribution of SSI to Procedure

Was the SSI attributable to the COLO, or was the SSI attributable to another invasive concurrent NHSN Operative Procedure, or was this not an SSI due to invasive manipulation/accession of the COLO operative procedure site after the COLO procedure? (*Select one*):

- SSI attributable to the COLO
- SSI not attributable to the COLO; SSI attributable to another invasive concurrent NHSN operative procedure (specify procedure): _____
- Not an SSI; invasive manipulation/accession occurred following the COLO (specify): _____

7. Case Determination

Correctly Reported or
Correctly Not Reported

Over Reported Event

Under Reported Event

If COLO SSI was misclassified (over- or underreported) by facility, identify the reason(s).

- Missed case finding
- Clinical over-rule
- Used outdated criteria
- Diagnostic test results not in chart
- ICD-10-PCS and/or CPT code(s) not a valid NHSN operative procedure code for surveillance
- Date of event outside the SSI surveillance period
- SSI should have been attributed to another invasive concurrent NHSN Operative Procedure
- Not an SSI due to invasive manipulation/accession of the COLO operative procedure site after the COLO procedure
- Reported organ/space infection did not meet at least one criterion for a specific organ/space infection site listed in PSC Manual Chapter 17
- SSI reported at incorrect tissue level (specify): _____
- Organ/space SSI reported with incorrect specific organ/space infection site (specify): _____

- PATOS incorrectly applied
- Other _____

Provide any additional details as needed:

Don't forget to record the abstraction end time on page 1.