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**Surveillance Nationale des Infections du Site Opérateur**  
**Protocole NSIH-ISO**  
**Annexe 1: Listes de Référence**



## 1 Catégories d'opération NHSN recommandées

Code NHSN	Description	
CBGB	Pontage coronaire avec incision du thorax ainsi que périphérique (B=Both)	Interventions à thorax ouvert en vue de revascularisation directe du myocarde, y compris le prélèvement du greffon veineux
CBGC	Pontage coronaire avec incision du thorax seule (C=Chest only)	Comme ci-dessus, mais sans incision complémentaire et en utilisant par ex. <i>l'Artère mammaire interne</i>
CHOL	Cholécystectomie	Cholécystectomie avec ou sans geste sur la voie biliaire principale
COLO	Chirurgie du colon	Incision, résection ou anastomose du colon; comprenant également les anastomoses entre l'intestin grêle et le colon
CSEC	Césarienne	
HPRO	Prothèse de hanche	Prothèse articulaire de hanche
KPRO	Prothèse du genou	Prothèse articulaire de genou
LAM	Laminectomie	Exploration ou décompression des racines nerveuses spinales par excision des structures vertébrales; excision ou destruction de disque intervertébral

## 2 Codes procédures ICD-9-CM

Les codes procédures sont montrées qui correspondent aux catégories d'opération de la section 1.

Code NHSN	Code ICD-9-CM	Description en anglais
CBGB	36.10	<i>AORTOCORONARY BYPASS FOR HEART REVASCULARIZATION, NOS</i>
CBGB	36.11	<i>AORTOCORONARY BYPASS OF ONE CORONARY ARTERY</i>
CBGB	36.12	<i>AORTOCORONARY BYPASS OF TWO CORONARY ARTERIES</i>
CBGB	36.13	<i>AORTOCORONARY BYPASS OF THREE CORONARY ARTERIES</i>
CBGB	36.14	<i>AORTOCORONARY BYPASS OF FOUR OR MORE CORONARY ARTERIES</i>
CBGB	36.19	<i>OTHER BYPASS ANASTOMOSIS FOR HEART REVASCULARIZATION</i>
CBGC	36.15	<i>SINGLE INTERNAL MAMMARY-CORONARY ARTERY BYPASS</i>
CBGC	36.16	<i>DOUBLE INTERNAL MAMMARY-CORONARY ARTERY BYPASS</i>
CBGC	36.17	<i>ABDOMINAL-CORONARY ARTERY BYPASS</i>
CBGC	36.2	<i>HEART REVASCULARIZATION BY ARTERIAL IMPLANT</i>
CHOL	51.03	<i>OTHER CHOLECYSTOSTOMY</i>
CHOL	51.04	<i>OTHER CHOLECYSTOTOMY</i>
CHOL	51.13	<i>OPEN BIOPSY OF GALLBLADDER OR BILE DUCTS</i>
CHOL	51.21	<i>PARTIAL CHOLECYSTECTOMY</i>
CHOL	51.22	<i>TOTAL CHOLECYSTECTOMY</i>
CHOL	51.23	<i>LAPAROSCOPIC CHOLECYSTECTOMY</i>
CHOL	51.24	<i>LAPAROSCOPIC PARTIAL CHOLECYSTECTOMY</i>
COLO	17.31	<i>LAPAROSCOPIC MULTIPLE SEGMENTAL RESECTION OF LARGE INTESTINE</i>
COLO	17.32	<i>LAPAROSCOPIC CECECTOMY</i>
COLO	17.33	<i>LAPAROSCOPIC RIGHT HEMICOLECTOMY</i>
COLO	17.34	<i>LAPAROSCOPIC RESECTION OF TRANSVERSE COLON</i>
COLO	17.35	<i>LAPAROSCOPIC LEFT HEMICOLECTOMY</i>
COLO	17.36	<i>LAPAROSCOPIC SIGMOIDECTOMY</i>
COLO	17.39	<i>OTHER LAPAROSCOPIC PARTIAL EXCISION OF LARGE INTESTINE</i>



Code NHSN	Code ICD-9-CM	Description en anglais
COLO	45.03	INCISION OF LARGE INTESTINE
COLO	45.26	OPEN BIOPSY OF LARGE INTESTINE
COLO	45.41	EXCISION OF LESION OR TISSUE OF LARGE INTESTINE
COLO	45.49	OTHER DESTRUCTION OF LESION OF LARGE INTESTINE
COLO	45.71	MULTIPLE SEGMENTAL RESECTION OF LARGE INTESTINE
COLO	45.72	CECECTOMY
COLO	45.73	RIGHT HEMICOLECTOMY
COLO	45.74	RESECTION OF TRANSVERSE COLON
COLO	45.75	LEFT HEMICOLECTOMY
COLO	45.76	SIGMOIDECTOMY
COLO	45.79	OTHER PARTIAL EXCISION OF LARGE INTESTINE
COLO	45.81	LAPAROSCOPIC TOTAL INTRA-ABDOMINAL COLECTOMY
COLO	45.82	OPEN TOTAL INTRA-ABDOMINAL COLECTOMY
COLO	45.83	OTHER AND UNSPECIFIED TOTAL INTRA-ABDOMINAL COLECTOMY
COLO	45.92	ANASTOMOSIS OF SMALL INTESTINE TO RECTAL STUMP
COLO	45.93	OTHER SMALL-TO-LARGE INTESTINAL ANASTOMOSIS
COLO	45.94	LARGE-TO-LARGE INTESTINAL ANASTOMOSIS
COLO	45.95	ANASTOMOSIS OF SMALL INTESTINE TO ANUS
COLO	46.03	EXTERIORIZATION OF LARGE INTESTINE
COLO	46.04	RESECTION OF EXTERIORIZED SEGMENT OF LARGE INTESTINE
COLO	46.10	COLOSTOMY, NOT OTHERWISE SPECIFIED
COLO	46.11	TEMPORARY COLOSTOMY
COLO	46.13	PERMANENT COLOSTOMY
COLO	46.14	DELAYED OPENING OF COLOSTOMY
COLO	46.43	OTHER REVISION OF STOMA OF LARGE INTESTINE
COLO	46.52	CLOSURE OF STOMA OF LARGE INTESTINE
COLO	46.75	SUTURE OF LACERATION OF LARGE INTESTINE
COLO	46.76	CLOSURE OF FISTULA OF LARGE INTESTINE
COLO	46.94	REVISION OF ANASTOMOSIS OF LARGE INTESTINE
CSEC	74.0	CLASSICAL CESAREAN SECTION
CSEC	74.1	LOW CERVICAL CESAREAN SECTION
CSEC	74.2	EXTRAPERITONEAL CESAREAN SECTION
CSEC	74.4	CESAREAN SECTION OF OTHER SPECIFIED TYPE
CSEC	74.9	CESAREAN SECTION OF UNSPECIFIED TYPE
CSEC	74.91	HYSTEROTOMY TO TERMINATE PREGNANCY
CSEC	74.99	OTHER CESAREAN SECTION OF UNSPECIFIED TYPE
HPRO	00.70	REVISION OF HIP REPLACEMENT: ACETABULAR AND FEMORAL COMPONENTS (TOTAL)
HPRO	00.71	REVISION OF HIP REPLACEMENT: ACETABULAR COMPONENT ONLY
HPRO	00.72	REVISION OF HIP REPLACEMENT: FEMORAL HEAD ONLY
HPRO	00.73	REVISION OF HIP REPLACEMENT: ACETABULAR LINER AND/OR FEMORAL HEAD ONLY
HPRO	81.51	TOTAL HIP REPLACEMENT WITH METHYL METHACRYLATE CEMENT
HPRO	81.52	PARTIAL HIP REPLACEMENT
HPRO	81.53	REVISION OF HIP REPLACEMENT NOS
KPRO	00.80	REVISION OF KNEE REPLACEMENT: TOTAL (ALL COMPONENTS)



Code NHSN	Code ICD-9-CM	Description en anglais
KPRO	00.81	REVISION OF KNEE REPLACEMENT: TIBIAL COMPONENT
KPRO	00.82	REVISION OF KNEE REPLACEMENT: FEMORAL COMPONENT
KPRO	00.83	REVISION OF KNEE REPLACEMENT: PATELLAR COMPONENT
KPRO	00.84	REVISION OF KNEE REPLACEMENT: TIBIAL INSERT
KPRO	81.54	TOTAL KNEE REPLACEMENT
KPRO	81.55	REVISION OF KNEE REPLACEMENT NOS
LAM	03.01	REMOVAL OF FOREIGN BODY FROM SPINAL CANAL
LAM	03.02	REOPENING OF LAMINECTOMY SITE
LAM	03.09	OTHER EXPLORATION AND DECOMPRESSION OF SPINAL CANAL
LAM	80.50	EXCISION OR DESTRUCTION OF INTERVERTEBRAL DISC, UNSPECIFIED
LAM	80.51	EXCISION OF INTERVERTEBRAL DISC
LAM	80.53	REPAIR OF THE ANULUS FIBROSUS WITH GRAFT OR PROSTHESIS
LAM	80.54	OTHER AND UNSPECIFIED REPAIR OF THE ANULUS FIBROSUS
LAM	84.60	INSERTION OF SPINAL DISC PROSTHESIS; NOS
LAM	84.61	INSERTION OF PARTIAL SPINAL DISC PROSTHESIS, CERVICAL
LAM	84.62	INSERTION OF TOTAL SPINAL DISC PROSTHESIS, CERVICAL
LAM	84.63	INSERTION OF SPINAL DISC PROSTHESIS, THORACIC
LAM	84.64	INSERTION OF PARTIAL SPINAL DISC PROSTHESIS, LUMBOSACRAL
LAM	84.65	INSERTION OF TOTAL SPINAL DISC PROSTHESIS, LUMBOSACRAL
LAM	84.66	REVISION OR REPLACEMENT OF ARTIFICIAL SPINAL DISC PROSTHESIS
LAM	84.67	REVISION OR REPLACEMENT OF ARTIFICIAL SPINAL DISC PROSTHESIS, LUMBOSACRAL
LAM	84.68	REVISION OR REPLACEMENT OF ARTIFICIAL SPINAL DISC PROSTHESIS, LUMBOSACRAL
LAM	84.69	REVISION OR REPLACEMENT OF ARTIFICIAL SPINAL DISC PROSTHESIS, NOT OTHERWISE SPECIFIED
LAM	84.80	INSERTION OR REPLACEMENT OF INTERSPINOUS PROCESS DEVICE(S)
LAM	84.81	REVISION OF INTERSPINOUS PROCESS DEVICE(S)
LAM	84.82	INSERTION OR REPLACEMENT OF PEDICLE-BASED DYNAMIC STABILIZATION DEVICE(S)
LAM	84.83	REVISION OF PEDICLE-BASED DYNAMIC STABILIZATION DEVICE(S)
LAM	84.84	INSERTION OR REPLACEMENT OF FACET REPLACEMENT DEVICE(S)
LAM	84.85	REVISION OF FACET REPLACEMENT DEVICE(S)

### 3 T-heures des catégories d'opération NHSN

Source: National Nosocomial Infections Surveillance (NNIS) System Report, Data Summary from October 1986 – April 1998, Issued June 1998. AJIC 1998; 26: 522-533 (table 7).

Catégorie d'opération NHSN	T-heures (heures) Valeur cut-off
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Catégorie d'opération NHSN		T-heures (heures) Valeur cut-off
CARD	Cardiac surgery	5
<b>CBGB</b>	<b>CABG – Chest and leg</b>	<b>5</b>
<b>CBGC</b>	<b>CABG – Chest only</b>	<b>4</b>
OCVS	Other cardiovascular	2
ORES	Other respiratory system	2
THOR	Thoracic surgery	3
APPY	Appendectomy	1
BILI	Liver/pancreas surgery	4
<b>CHOL</b>	<b>Cholecystectomy</b>	<b>2</b>
<b>COLO</b>	<b>Colon surgery</b>	<b>3</b>
GAST	Gastric surgery	3
OGIT	Other digestive tract surgery	3
SB	Small bowel surgery	3
XLAP	Laparotomy	2
NEPH	Nephrectomy	3
OGU	Other genitourinary	2
PRST	Prostatectomy	4
HN	Head and neck surgery	5
OENT	Other ENT surgery	3
<b>HER</b>	<b>Herniorrhaphy</b>	<b>2</b>
MAST	Mastectomy	2
CRAN	Craniotomy	5
ONS	Other nervous system surgery	3
VSHN	Ventricular shunt	2
<b>CSEC</b>	<b>Cesarian section</b>	<b>1</b>
HYST	Abdominal hysterectomy	2
OOB	Other obstetric surgery	1
VHYS	Vaginal hysterectomy	2
AMP	Limb amputation	1
FUSN	Spinal fusion	4
FX	Open reduction of fracture	2
<b>HPRO</b>	<b>Hip prosthesis</b>	<b>2</b>
<b>KPRO</b>	<b>Knee prosthesis</b>	<b>2</b>
OPRO	Other joint prosthesis	3
<b>LAM</b>	<b>Laminectomy</b>	<b>2</b>
OMS	Other musculoskeletal	3
OBL	Other hematologic/lymphatic surgery	3
OES	Other endocrine surgery	3
OEYE	Other eye surgery	2
OSKN	Other integumentary system surgery	2
SPLE	Splenectomy	2
TP	Organ transplant	7
<b>VS</b>	<b>Vascular surgery</b>	<b>3</b>
SKGR	Skin graft	2

## 4 Marqueurs de Resistance Antimicrobienne

La liste montre par microorganisme ou groupe de microorganismes les marqueurs de Resistance Antimicrobienne (RAM). Ces marqueurs seront montrés de manière automatique lors de l'encodage d'une microorganisme dans le logiciel NSIHwin. Les marqueurs RAM avec code priorité "0" sont ceux considérés "minimal" dans les protocoles ECDC "European Surveillance of Surgical Site Infections", "European Surveillance of Healthcare-associated Infections in Intensive Care Units" et "Point Prevalence Survey of Healthcare Associated Infections and Antimicrobial Use". Ces marqueurs sont à spécifier obligatoirement dans NSIHwin, mais un résultat "inconnu" est accepté. Les marqueurs additionnels



avec code priorité "1" sont basés sur la liste étendue du protocole ECDC "European surveillance of Healthcare-associated Infections in Intensive Care Units". Les marqueurs additionnels avec code priorité "2" sont basés sur le protocole ECDC "European Antimicrobial Resistance Surveillance (EARS)". Les marqueurs "1" ou "2" sont à indiquer optionnellement dans NSIHWin.

Genus / species	Marqueur AMR	Code priorité
<i>Staphylococcus</i> spp.	Glycopeptides: Vancomycin/teicoplanin	0
	Penicillins: Methicillin/Oxacillin	
	Cephalosporins: Cefuroxim / Cefamandole / Cefoxitin (2nd gen)	2
	Fluoroquinolones: Ciprofloxacin / Oflocacin	
	Penicillins: Cloxacillin	
	Penicillins: Dicloxacillin	
	Penicillins: Flucloxacillin	
	Fluoroquinolones: Levofloxacin	
	Other antibiotics: Linezolid	
	Fluoroquinolones: Norfloxacin	
Antimycobacterials: Rifampicin		
<i>Streptococcus pneumoniae</i>	Macrolides & sim.: Azithromycin	2
	Cephalosporins: Cefotaxime / Ceftriaxone (3rd gen)	
	Fluoroquinolones: Ciprofloxacin / Oflocacin	
	Macrolides & sim.: Clarithromycin	
	Macrolides & sim.: Erythromycin	
	Fluoroquinolones: Levofloxacin	
	Fluoroquinolones: Moxifloxacin/Trovafloxacin	
	Fluoroquinolones: Norfloxacin	
	Penicillins: Methicillin/Oxacillin	
<i>Enterococcus</i> spp.	Glycopeptides: Vancomycin/teicoplanin	0
	Penicillins: Ampicillin	1
	Penicillins: Amoxicillin/clavulanate	
	Aminoglycosides: Gentamycin	2
	Other antibiotics: Linezolid	
<i>Enterobacteriaceae</i>	Cephalosporins: Cefotaxime / Ceftriaxone (3rd gen)	0
	Carbapenems: Meropenem / Imipenem / Doripenem	
	Cephalosporins: Ceftazidim (anti-pseudom 3rd gen)	
	Penicillins: Amoxicillin/clavulanate	1
	Ext Spect. Beta Lact. (ESBL): Resistant/Sensitive=Yes/No ESBL-production	
	Aminoglycosides: Amikacin	2
	Fluoroquinolones: Ciprofloxacin / Oflocacin	
	Aminoglycosides: Gentamycin	
	Fluoroquinolones: Levofloxacin	
Aminoglycosides: Tobramycin		



Genus / species	Marqueur AMR	Code priorité
<i>Acinetobacter</i> spp.	Carbapenems: Meropenem / Imipenem / Doripenem	0
	Polymyxins: Colistin	1
	Penicillins: Subactam	
<i>Pseudomonas</i> spp.	Carbapenems: Meropenem / Imipenem / Doripenem	0
	Cephalosporins: Ceftazidim (anti-pseudom 3rd gen)	1
	Polymyxins: Colistin	
	Penicillins: Piperacillin/ticarcillin	
	Penicillins: Piperacillin/ticarcillin + enzyme inhibitor	
	Aminoglycosides: Amikacin	2
	Fluoroquinolones: Ciprofloxacin / Ofloxacin	
	Aminoglycosides: Gentamycin	
	Fluoroquinolones: Levofloxacin	
Aminoglycosides: Tobramycin		

## 5 Types d'unités

(comme utilisés par le logiciel NSIHwin)

Code	Description (engels)
00/	unknown
BR/	Burn
CA/	General/Abdom. Surgery
CC/	Cardiovascular surgery
CM/	Mixed surgical/medicine
CN/	Neurosurgery
CO/	Orthopedics
CP/	Plastic surgery
CU/	Urology
CX/	Other Surgery
GE/	Geriatrics
GY/	Gynecology
IC/	Intensive care
MC/	Cardiology
MD/	Endocrinology
ME/	Internal Medicine
MN/	Nephrology
MO/	Oncology / Hematology
MP/	Pneumology
MX/	Medicine, other
NI/	Neonatal Intensive Care



<b>Code</b>	<b>Description (engels)</b>
OB/	Obstetrics
OL/	Otorhinolaryngology
OP/	Ophtalmology
PE/	Pediatrics
PS/	Psychiatry
RV/	Revalidation
TR/	Trauma / Emergency
XX/	Other

