

Protocol:	Export file ID:	Description:
ALL	L	[0] Hospital, Unit, Surveillance, Denominator data (ICU L1 and L2)

New:	Variable (description):	Prim:	Req:	Type:	Value (description):
<input checked="" type="checkbox"/>	SURV_DT_ST	Start date of surveillance period; Should be the first day of the month	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	dbDate
<input checked="" type="checkbox"/>	SURV_L	Length of surveillance period in months (either 1 one or 3).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1 1M 3 3M
<input checked="" type="checkbox"/>	HOSPITAL	Hospital code	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	ICU	NSIH-ICU: unit code, provide a separate line for each unit under surveillance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	H_SIZE_N	Hospital number of beds	<input type="checkbox"/>	<input checked="" type="checkbox"/>	dbInteger
<input checked="" type="checkbox"/>	H_TYPE	Hospital type	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-1 unknown 1 University hospital 2 General hospital, teaching 3 General hospital, non-teaching 4 specialist or other hospital
<input checked="" type="checkbox"/>	ICU_SIZE	NSIH-ICU: number of beds in unit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	dbInteger
<input checked="" type="checkbox"/>	ICU_TYPE	NSIH-ICU: unit type	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-1 unknown 1 mixed 2 medical 3 surgical 4 coronary care unit 5 burns 6 neurosurgical 7 pediatric 8 neonatal 9 other
<input checked="" type="checkbox"/>	ICUS_L2	NSIH-ICU: Level 2 (patient-based, Yes) or Level 1 (unit-based, No)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	dbBoolean
<input checked="" type="checkbox"/>	ICUS_L2_ABU	NSIH-ICU: Daily antibiotic use (Yes) or not (No)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	dbBoolean
<input checked="" type="checkbox"/>	ICUS_L2_E	NSIH-ICU: Extended Level 2 (Yes, Full invasive device use and SOFA scores) or not (No)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	dbBoolean
<input checked="" type="checkbox"/>	ICUS_INF_BSI	NSIH-ICU: ICU-acquired Bloodstream infections included in surveillance (Yes) or not (No)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	dbBoolean
<input checked="" type="checkbox"/>	ICUS_INF_CRI	NSIH-ICU: ICU-acquired Catheter Related Infections included in surveillance (Yes) or not (No)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	dbBoolean
<input checked="" type="checkbox"/>	ICUS_INF_PN	NSIH-ICU: ICU-acquired Pneumonia included in surveillance (Yes) or not (No)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	dbBoolean
<input checked="" type="checkbox"/>	ICUS_INF_UTI	NSIH-ICU: ICU-acquired Urinary tract infections included in surveillance (Yes) or not (No)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	dbBoolean
<input checked="" type="checkbox"/>	ICUS_MO	NSIH-ICU: Option "AMR data collected (Yes) or Not (No)"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	dbBoolean
<input checked="" type="checkbox"/>	ADI_2D	NSIH-ICU L1 denominator (only if icus_l2=No): Number of new admissions staying more than 2 days in ICU	<input type="checkbox"/>	<input checked="" type="checkbox"/>	dbInteger

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<input checked="" type="checkbox"/>	PDI_2D		<input checked="" type="checkbox"/>	dbInteger	NSIH-ICU L1 denominator (only if icus_l2=No): Number of patient days for patients staying more than 2 days in ICU
<input checked="" type="checkbox"/>	ADI_ALL		<input type="checkbox"/>	dbInteger	NSIH-ICU L1 denominator (only if icus_l2=No): Number of new admissions in ICU, all
<input checked="" type="checkbox"/>	PDI_ALL		<input type="checkbox"/>	dbInteger	NSIH-ICU L1 denominator (only if icus_l2=No): Number of patient-days in ICU, all
<input checked="" type="checkbox"/>	CDI_2D		<input type="checkbox"/>	dbInteger	NSIH-ICU L1 denominator (only if icus_l2=No): Number of catheterdays for patients staying more than 2 days in ICU
<input checked="" type="checkbox"/>	IDI_2D		<input type="checkbox"/>	dbInteger	NSIH-ICU L1 denominator (only if icus_l2=No): Number of intubation days for patients staying more than 2 days in ICU

Protocol:	Export file ID:	Description:
ICU	I	[1] Patient-based admission data (ICU L2)

New:	Variable (description):	Prim:	Req:	Type:	Value (description):
<input type="checkbox"/>	HOSPITAL Hospital code; must refer to L.H_CODE; can be left out if constant over entire file	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<input type="checkbox"/>	PATIENTID Patient identifier	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	dbText	
<input type="checkbox"/>	ICU ICU unit code, must refer to L.ICU	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<input type="checkbox"/>	ADDT_ICU Date of admission to ICU	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	dbDate	
<input type="checkbox"/>	DISDT_ICU Discharge date from ICU	<input type="checkbox"/>	<input checked="" type="checkbox"/>	dbDate	
<input type="checkbox"/>	DIS_ST Discharge status	<input type="checkbox"/>	<input type="checkbox"/>		1 alive 2 died at icu 3 "DNR" (do not resuscitate) 4 alive (end of follow-up) 9 Unknown
<input type="checkbox"/>	AGE Age at ICU admission	<input type="checkbox"/>	<input checked="" type="checkbox"/>	dbInteger	
<input type="checkbox"/>	GENDER Gender	<input type="checkbox"/>	<input checked="" type="checkbox"/>		F Female M Male U Unknown
<input type="checkbox"/>	SURG_SIT1 Prior surgery site, provide up to 2 sites per ICU patient	<input type="checkbox"/>	<input type="checkbox"/>		0 No Surgery 1 Coronary surgery 2 Other cardiac surgery 3 Other thoracic surgery 4 Other vascular surgery 5 Abdominal surgery 6 Neurosurgery 7 Other surgery
<input type="checkbox"/>	GLAS_EST Estimated glasgow score	<input type="checkbox"/>	<input type="checkbox"/>	dbSingle	
<input type="checkbox"/>	GLAS_MEA Measured glasgow score	<input type="checkbox"/>	<input type="checkbox"/>	dbSingle	
<input type="checkbox"/>	ADM_TYP Type of admission	<input type="checkbox"/>	<input type="checkbox"/>		2 Scheduled surgical 1 Medical 3 Unscheduled surgical 99 ?
<input type="checkbox"/>	SAPS SAPS - II score	<input type="checkbox"/>	<input type="checkbox"/>	dbInteger	
<input type="checkbox"/>	APACHE APACHE - II score	<input type="checkbox"/>	<input type="checkbox"/>	dbInteger	
<input type="checkbox"/>	PRISM PRISM score	<input type="checkbox"/>	<input type="checkbox"/>	dbInteger	
<input type="checkbox"/>	PT_ORI patient origin	<input type="checkbox"/>	<input type="checkbox"/>		1 other service (same/other hospital) 2 other ICU 3 community 4 nursing home
<input type="checkbox"/>	TRAUMA trauma	<input type="checkbox"/>	<input type="checkbox"/>		0 no multiple trauma 1 multiple trauma -1 unknown
<input type="checkbox"/>	IMMUNE impaired immunity	<input type="checkbox"/>	<input type="checkbox"/>		0 no impaired immunity 1 impaired immunity -1 unknown
<input type="checkbox"/>	AMT_ADM antibiotic use in 48h before/after admission to ICU	<input type="checkbox"/>	<input type="checkbox"/>		0 no antibiotic treatment in 48h before/after admission

LEGEND: See NSIH-ICU surveillance protocol for details; NEW: New field since last update; PRIM(ARY): The combination of all fields with PRIM=Yes must be unique for all observations within a particular export file ID; REQ(UIRED): required field, it is possible to submit data with only these fields; (DATA)TYPE: DBBOOLEAN = "Yes/No" field; dbINTEGER = Integer field ; dbDATE = date field; dbTEXT = text field.

Protocol:	Export file ID:	Description:
ICU	I	[1] Patient-based admission data (ICU L2)

New:	Variable (description):	Prim:	Req:	Type:	Value (description):
<input type="checkbox"/>	AMT_ADM				1 antibiotic treatment in 48h before/after admission to ICU 9 unknown
<input type="checkbox"/>	CORO				0 no acute coronary care 1 acute coronary care -1 unknown

Protocol:	Export file ID:	Description:
ICU	Z	[1] Patient-based daily follow-up data (ICU L2)

New:	Variable (description):	Prim:	Req:	Type:	Value (description):
<input type="checkbox"/>	_	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	Provide in separate fields: (HOSPITAL,) PATIENTID, ADDT_ICU for this patient				
<input type="checkbox"/>	FU_DT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	dbDate	
<input type="checkbox"/>	FU_EXP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		D_CVC central venous catheters
	daily follow-up category; For invasive device use, provide device (categories given right), For SOFA score, provide organ (categories given right), For Antibiotic use, provide ATC code.				D_INT intubation
					D_F_OIT naso-oro-intestinal tube without feeding
					D_F_NIT naso-oro-intestinal tube with feeding
					D_F_PN parenteral nutrition
					D_UC urinary catheter
					D_IV (ICU L2 extended): mechanical invasive ventilation
					D_NIV (ICU L2 extended): mechanical non-invasive ventilation
					D_INT_TRA (ICU L2 extended): route: tracheotomy
					D_reint (ICU L2 extended): reintubation that day
					D_respi (ICU L2 extended): sofa score, respiration
					D_Coag (ICU L2 extended): sofa score, coagulation
					D_liver (ICU L2 extended): sofa score, liver
					D_cardio (ICU L2 extended): sofa score, cardio
					D_cns (ICU L2 extended): sofa score, cns
					D_renal (ICU L2 extended): sofa score, kidney
<input type="checkbox"/>	FU_RES	<input type="checkbox"/>	<input checked="" type="checkbox"/>		S S : Selective digestive decontamination
	daily follow-up result; For Invasive Devices, leave empty; For SOFA score, enter score 0-4; For Antibiotic Use, provide Reason (categories given right)				P P : Prophylaxis
					E E : Empiric Therapy
					M M : Gram-stain or Micro-organism known
					A A : Antibigram known

Protocol:	Export file ID:	Description:
ICU	B	[2] ICU-acquired infection data (ICU L1 and L2)

New:	Variable (description):	Prim:	Req:	Type:	Value (description):
<input type="checkbox"/>	_	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Provide in separate fields: (HOSPITAL, PATIENTID, ADDT_ICU for this patient (see I file for description)
<input type="checkbox"/>	ICU	<input type="checkbox"/>	<input checked="" type="checkbox"/>		(Encode only if ICU L1) ICU unit code, must refer to L.ICU
<input type="checkbox"/>	AGE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	dbInteger	(Encode only if ICU L1) Age at ICU admission
<input type="checkbox"/>	GENDER	<input type="checkbox"/>	<input checked="" type="checkbox"/>		(Encode only if ICU L1) Gender of the patient F Female M Male U Unknown
<input type="checkbox"/>	INF_DT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	dbDate	infection date
<input type="checkbox"/>	INF_SITE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Infection site category PN1 Pneumonia: protected sample+quantitative culture PN2 Pneumonia: non-protected sample (eta) + quantitative culture PN3 Pneumonia: alternative microbiological criteria PN4 Pneumonia: sputum bacteriology or non-quantitative ETA PN5 Pneumonia: no microbiological criterion BSI Bloodstream Infection: positive hemoculture recognized pathogen / 2HC + skin contaminant UTI-A Urinary Tract Infection: microbiologically confirmed symptomatic UTI UTI-B Urinary Tract Infection: symptomatic UTI CRI1 Catheter Related Infection: local catheter infection CRI2 Catheter Related Infection: generalized catheter infection CRI3 Catheter Related Infection: cvc-related bloodstream infection
<input type="checkbox"/>	INV_DEV	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Invasive device in 48 hours preceding infection 0 no 1 yes 9 unknown
<input type="checkbox"/>	BSI_ORI	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Origin of Bloodstream infection C catheter C-CVC central venous catheter C-PER peripheral catheter C-ART arterial catheter S Secondary to another site S-PUL pulmonary S-UTI urinary tract infection S-DIG digestive tract infection S-SSI surgical site infection S-SST skin and soft tissue S-OTH other

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ICU	B	[2] ICU-acquired infection data (ICU L1 and L2)

New:	Variable (description):	Prim:	Req:	Type:	Value (description):
<input type="checkbox"/>	BSI_ORI Origin of Bloodstream infection	<input type="checkbox"/>	<input checked="" type="checkbox"/>		U0 unknown: BSI of unknown origin (origin was verified but no source could be found for the BSI)
					UNK Missing, data unavailable

Protocol:	Export file ID:	Description:
ICU	A	[3] Antimicrobial Resistance data (optional, ICU L1 and L2)

New:	Variable (description):	Prim:	Req:	Type:	Value (description):
<input type="checkbox"/>	_	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Provide in separate fields: (HOSPITAL,) PATIENTID, ADDT_ICU, INF_DT, INF_SITE for this patient (see I and B files for description)
<input type="checkbox"/>	PATHOGEN	<input checked="" type="checkbox"/>	<input type="checkbox"/>		micro-organism code, see NSIH-ICU surveillance protocol for prioritised MOCODExAB combinations
<input type="checkbox"/>	ANTIBIOTIC	<input checked="" type="checkbox"/>	<input type="checkbox"/>		AMR test (code), see NSIH-ICU surveillance protocol for prioritised MOCODExAB combinations
<input type="checkbox"/>	SIR	<input type="checkbox"/>	<input type="checkbox"/>		AMR test susceptibility result (S I R)