



National Surveillance of ICU-acquired Infections,
HELICS Protocol Belgium.

ADDENDUM, v23/3/2017

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This document is an addendum to the document “National Surveillance of Nosocomial Infections in Intensive Care, Protocol HELICS Belgium, April 2004”, available from

http://www.nsih.be/download/040707_ICU_AV_download_ICUprotocol_NL.pdf (NL) or

http://www.nsih.be/download/helics_ICU_BE_FR.pdf (FR)

This document describes changes of the aforementioned documents, in order of original appearance.

Together, these documents will serve as the most up-to-date version of the surveillance protocol for the NSIH-ICU surveillance.

3.1 Case Definition ‘Bloodstream Infection’

Infection type ‘BSI-B’: this is removed; the remaining case definition for Bloodstream Infection is now simply labeled ‘BSI’.

Variable ‘Origin of Bloodstream infection’: addition of extra category ‘Missing (no data available on origin of BSI)’.

3.4 Case Definition ‘Urinary Tract Infection’

Infection type ‘UTI-C’: this is removed.

3 Case Definition ‘Other Infection’

This infection type is removed.

4.2 Data Collection, ‘What Infections Should Be Registered’

Infections under NSIH-ICU surveillance can now be any (or combinations) of the types ‘Bloodstream Infection’, ‘Pneumonia’, ‘Urinary Tract Infection’. ‘Catheter Related Infections’ can be followed if the type ‘Bloodstream Infection’ is under surveillance.

4.3 Data Collection



This data definition is replaced with an updated and simplified data definition available from http://www.nsih.be/download/Rpt_ExportSpecs_ICU.pdf.

In this new definition, the description of remaining variables still follows the old one.

Punctual changes with respect to the old definition are as follows:

- 4.3.1 'Hospital, ICU level' and 4.3.2.1 'Level 1 Denominator' data are now merged into one data definition containing hospital, unit, surveillance characteristics as well as aggregated denominator data (this last one only in case of Level 1 surveillance). Level 1 aggregated denominator data now also contains number of intubation days. Variable 'intubation percentage' is removed.
- 4.3.2.2 'Level 1 Numerator (Infection) data' and 4.3.3.5 'Level 2 Infection data' types are merged into one data specification. Variable 'Infection Site' follows modified case definitions of section 3. Variables 'Antibiotic Treatment' and 'Validated Infection' are removed.
- Daily follow-up information collected under 4.3.3.2 'Level 2 Minimal data', 4.3.3.2 'Level 2 a' and 4.3.3.2 'Level 2 c Antimicrobial Use' are now placed under one simplified data definition. Level 2, 2a and 2c surveillance options remain valid.
- Data collection under surveillance option 4.3.3.3 'Level 2 b Central Venous Catheter surveillance' is removed.
- 4.3.2.3 and 4.3.3.6 'Antimicrobial Resistance (AMR) data' is now structured around pathogen x AMR test realizations.

7.1 Data processing

As an alternative to data entry using the NSIHwin software, a participating ICU can also choose to construct files with surveillance data directly, and according to the specifications given in the data definition.