

Supplementary material

Methodology for data entry:

1. Access to the web site at <http://hws.vhebron.net/envin-helics/>
2. Identify the hospital using the corresponding username and password. The ICUs that participate or have participated in the ENVIN program will use the same user name and password. ICUs who do not know or do not remember the user name and password should request then from the ENVIN study coordinator.
3. On a monthly basis an on-line registry form of overall risk factors for each ICU (monthly factors) should be completed, including the number of patient-days admitted every month; the number of patient-days with central venous catheter (CVC) in place (count one day per patient with CVC, regardless of the number of CVCs of which the patient is a carrier every day; data of arterial catheters are not required); the number of patient-days with mechanical ventilation; the number of patient-days with urinary catheter; the number of patient-days treated with systemic antimicrobials; and the number of patient-days with isolation measures (differentiating preventive isolations from contact isolations).
4. In the case report form of the ENVIN-HELICS registry (April-June months), it is indispensable to complete data of MDR colonization or infection prior to ICU admission or throughout the ICU stay.
5. In the case report form of the ENVIN-HELICS registry (April-June months), it is indispensable to complete full data of antibiotics administered to each patient during his/her stay in the ICU.

6. When a MDR pathogen is identified in a patient, a file will be opened (new admission) and all the data on the 1st page (administrative data, severity, risk factors) will be completed. In the page of infections the data referring to the episodes of infections caused by the MDR pathogens, including date of diagnosis and date of identification of the causative microorganism will be introduced. Units that fulfil the complete or simplified ENVIN-HELICS program through the web site at: <http://hws.vhebron.net/envin-helics/> should not follow this process since their data are automatically recorded in the ENVIN-HELICS database and available for analysis with the data included through the “Zero Resistance” program.