



The Electronic Integrated Disease Surveillance System (EIDSS) is a software system which is designed to strengthen monitoring and prevention of human and animal diseases within the One Health concept, and facilitate compliance of International Health Regulations (IHR) 2005. Key system modules include Human Cases module, Vector Surveillance module, Laboratory module, Outbreak module, Administrative module, and Analysis, Visualization & Report (AVR) module with Geographic Information System (GIS) capabilities. EIDSS manages case data, case plus disease specific investigation, aggregate data with corresponding sample, and laboratory data linked to cases. The system collects and distributes data, notifies on the events in near real-time, provides access from desktop, web and mobile devices, which allows it to link together different levels and ministries of a national disease surveillance network in a secure way. EIDSS is customizable for each participating country to hold relevant content: diseases list, specific reports, disease-specific investigation forms, among others.

In 2011 EIDSS was introduced in Ukraine with installations at the following sites:

- Central Sanitary-Epidemiology Station in Kyiv (CSES)
- Ukrainian Research Anti-Plague Institute in Odessa (URAPI)
- Vinnitsa Oblast Sanitary-Epidemiological Station
- Vinnitsa City Sanitary- Epidemiological Station
- Kalynivska Rayon Sanitary- Epidemiological Station in Vinnitsa Oblast
- Zhitomir Oblast Sanitary- Epidemiological Station
- Khmel'nitska Oblast Sanitary- Epidemiological Station as regional sites

To date, EIDSS has undergone several iterations: Alpha version, Beta version, Version 1, Version 2, Version 3 and Version 4. Currently, EIDSS version 5 is ready to be implemented, and version 6 is under development. EIDSS was localized introducing an Ukrainian Language interface and relevant geographical data.

EIDSS is a turn-key solution. Implementation includes deployment, personnel training and support. The training program includes basic computer training for users with limited computer skills and in-depth EIDSS training which includes epidemiological and laboratory modules. EIDSS is supported by a multilayer technical support team including a Help Desk hot line and support specialists based in Kyiv and Moscow.

The Beneficiary of the Technical Assistance Project is the Ministry of Health of Ukraine.

The main objective of the program is to implement EIDSS at the sites of the State Sanitary-Epidemiological Service of Ukraine for monitoring and outbreak prevention of diseases including those caused by Especially Dangerous Pathogens.