

Addendum 4

INFECTIOUS DISEASE EPIDEMIOLOGY SECTION WEB APPLICATION ENHANCEMENTS, APPLICATION DEVELOPMENT, AND MAINTENANCE AND SUPPORT (IDepi WEB)

RFP # 305PUR-DHHRFP-IDEPI-OPH
Proposal Due Date/Time: August 16, 2011 4:00 CDT

Revisions to section II: SCOPE OF WORK, B. Deliverables

Deliverables for this overall project include the following sub-projects:

- ~~1. **Interoperability between Epistories, Bioterrorism Incident Tracking System (BITS), Louisiana Animal Disease Surveillance System (LADSS) and the Outbreak Management System.** Epistories database comprises event date, type of disease, reporter, description of the event with possibility of adding follow up information and attaching documents. Epistories will need to be enhanced to allow for these fields to be accessible from any one of the three other software applications to allow for interoperability between the four software applications. Epistories will also be enhanced to enable the user to enter additional details in Epistories.~~
- ~~2. **Hospital Data Extraction Tool.** The Louisiana Hospital InPatient Discharge Data (LAHIDD) provides demographic and hospitalization diagnosis code data for each hospitalization occurring in Louisiana. The Hospital Data Extraction Tool will include two modules:~~
 - ~~a. The first module will provide a data extraction tool needed to select diagnosis codes matching those of the reportable disease database (IDRIS) and those in the hospitalization database and allow the detection of discrepancies between the two databases. This process is now being implemented through a tedious, multiple query system using MS Access® currently requiring multiple hours of epidemiologists' time.~~
 - ~~b. A second module will be used to detect potential hospital acquired infections (HAI) based on a selective list of HAI suspected diagnosis codes. This data will be used by the HAI data quality surveillance staff.~~
3. **Enhancements to Arbonet:** The following two enhancements are required for the existing Arbonet software application:
 - a. Detailed Data Analysis Module: A detailed data analysis module will be added to the Arbonet database. This module will include statistics on the number of mosquito pools examined, the number of pools with West Nile viruses, the proportion of pools with West Nile Viruses, and seasonal trends.
 - b. Specimen Scanning Ability: Specimens of mosquito pools, bird sera, bird and animal tissues are collected by the mosquito control districts throughout the state and submitted to the LSU Veterinary Laboratory. Scanning devices will be used by mosquito control districts and the LSU Veterinary Laboratory for identifying the specimens submitted and checking on the results posted. The contractor will have to develop the interface between scanner and the application at the point source and at the receiving end.
4. **Enhancements to LEEDS (Phase 2 of LEEDS):** The phase 1 of the LEEDS program was to develop a syndromic surveillance system for infectious diseases in the metropolitan region of the southeast. Phase 2 will include:
 - a. Extension to the entire state requiring adapting to messages received from an additional 60 to 70 hospitals. Not all hospitals are able to send standard formatted messages, therefore contractor customization in LEEDS will be required.
 - b. Extension to other programs such as injury control, tuberculosis control, disaster surveillance, and environmental epidemiology programs requiring additional programming and messaging the results to the programs listed above.

5. ~~**Development of a Data Quality Tool:** Infectious disease surveillance data is currently stored in a data warehouse (IDWarehouse) which is the basis upon which the data quality software application will be based. This data quality tool will provide real time benchmarks and quality indicators as required by the CDC programs such as West Nile, Foodborne etc.~~

6. ~~**Hospital Acquired Infection Database:** Import data from the CDC National Healthcare Safety Network (NHSN) database on hospital acquired infections into a database with automatic production of a state report.~~