



No Need to Reinvent the Wheel : Adapting Existing Systems for Active Monitoring During the Ebola Outbreak Response in New Jersey 2014-2015


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CDRSS: Communicable Disease Reporting and Surveillance System



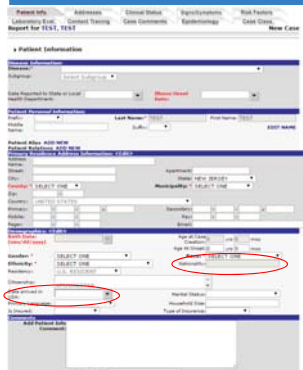
Communicable Disease Reporting and Surveillance System



[Patient Info](#) [Addresses](#) [Clinical Status](#) [Signs/Symptoms](#) [Risk Factors](#)
[Laboratory Eval.](#) [Contact Tracing](#) [Case Comments](#) [Epidemiology](#) [Case Class.](#)

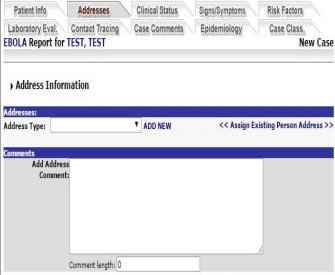


Patient Info



- Fields are standardized
- Some fields were “repurposed” for information specific to Ebola monitoring
- Ability to put information in “Comments” section proved valuable mode of communication

Addresses



- Ability to track multiple addresses
- Maintain history of locations individual could possibly be contacted

Signs/Symptoms

- System is disease-centric
- Standard signs/symptoms per disease
- Ability to add multiple of same sign/symptom
- Ability to maintain a log of signs/symptoms
 - Temperatures were recorded for up to 21 days as "Fever"
 - Time/date stamp available to differentiate between AM/PM temperatures
 - Exportable to a report

Epidemiology

- Ability to track as a specific "Investigation"
- Ability to ask outbreak/investigation specific questions

Case Comments

- All comments are archived
- No comments can be deleted or altered once submitted
- Everyone with access to the case has access to the case comments
- Allows for continuity of communication between investigators and investigative entities

Case Classification

- Case status and Report status used for:
 - Signal NJDOH when local health department was done with monitoring
 - Classify the case upon completion
- Case summary comment allows for final summary of case, provide any final details that were not otherwise captured
- Exportable fields, reports run based on selections

Non-CDRSS data collection tool

- NJDOH has a data collection system called Hippocrates
- Able to link custom made surveys to CDRSS cases
- All Ebola cases entered were linked to individual surveys
- Surveys were conducted by local health investigators during initial discussion with individual to be monitored
- Data stored within the system
- Data are exportable

Conclusions

- CDRSS is a system that links all levels of investigators and provides across the board secure access to cases
- CDRSS users were already trained and familiar with the system
- While system was not perfect, it served as a secure environment through which active monitoring could be conducted
- Data are automatically housed and exportable through the system
- Improvements will be made during redesign of system to allow for more flexibility during similar instances in the future