

## **Informatics Specialist**

Public Health Foundations Enterprises, Inc and the State of California Division of Communicable Disease Control are seeking two full-time Informatics Specialists. These positions will assist the Division of Communicable Disease Control (DCDC) in the configuration, testing, implementation and maintenance of WebCMR/ELR. The WebCMR system receives and maintains reportable surveillance data and case and contact management data for the California Department Public Health (CDPH), transmission to CDC, and for reports to LHDs. The Electronic Laboratory Reporting (ELR) system is integrated with Web-CMR for the electronic submission and receipt of laboratory test results.

Salary range: \$55K – \$80K plus benefits, DOE

These positions will be located in Sacramento, CA with occasional travel to Richmond, CA.

### Configuration

- Serve as member of Project Management Team representing DCDC and the (participating) branches
- Contribute knowledge and participate in tasks required to integrate surveillance systems including developing common vocabularies and data elements
- Provide PHIN, NEDSS, and HL7 leadership and expertise within DCDC for the Web-CMR/ELR Project
- Assist in configuring Web-CMR/ELR for successful deployment by communicating with local and national partners in order to understand and articulate health department business processes, such as case and contact management and disease reporting
- Lead the mapping of historical data with each of the Branches, in preparation for data migration from the various databases

### Testing/ QA

- Work with the DCDC Branches to develop a detailed Web-CMR/ELR test plan, test cases, and test data.
- Conduct testing
- Ensure quality of data; assist with QA testing
- Document issue/bugs identified by DCDC and LHDs and ensure communication to Department Project Coordinator, track bugs to satisfactory resolution
- Coordinate validation testing and implementation associated with the vendor-programmed forms
- Lead legacy data migration and analyze data to ensure accurate migration of legacy data (validation of migration)

### Implementation

- Carry out diverse implementation tasks for transition to Web-CMR/ELR, including assisting LHDs with “business readiness” prior to Web-CMR/ELR implementation.

- Assist with training material development/modification especially targeted for users involved with data entry, data management, data analysis, and case investigation
- Coordinate and conduct Web-CMR/ELR trainings to various user groups, including state and local health department personnel, healthcare providers, and laboratorians
- Coordinate “in-house” modifications to forms listed above as required
- Coordination/design of new forms as required, including edit checks and validation to ensure the accuracy of data, and assurance of retrieval of all form data
- Work with “non-participating” LHDs with existing systems to interface with Web-CMR/ELR through standard messaging
- Coordinate communications with CDC and LHD regarding branch-specific validations and messaging

#### Maintenance/ Enhancement/ Troubleshooting

- Ensure successful retrieval of data and program analytics for data output/reports within Web-CMR/ELR and AVR (external analytic data warehouse).
- Responsible for developing expertise as an administrator of Web-CMR/ELR during the configuration through implementation phases (vendor will work to transfer knowledge during this time)
- Troubleshoot issues for state and local customers/partners and triage change requests and bugs that cannot be handled in house to the department and vendor
- Work with vendor to develop branch-specific training materials for users involved with data entry, data management, data analysis, and case investigation
- Write code if necessary for small development tasks and document code written, make recommendations for solutions to vendor
- Partner with other PMT members from other Branches, and with LHDs to maintain a well informed IS community
- Ensure WebCMR can produce valid web-based reports and oversee maintenance and upgrades to the system used to produce the reports

#### **Skills, Knowledge, Abilities**

##### Essential:

- Bachelors Degree in public health, statistics, biological sciences, microbiology, computer sciences, or related field, and five years experience in public health surveillance informatics or related field; or Masters degree or higher in a health-related or IT field
- Demonstrated analytical, problem-solving and detail-oriented skills
- Knowledge of surveillance, surveillance systems and epidemiology functions
- Background in public health informatics and knowledge of current public health IS standards (HL7, SNOMED, LOINC, PHIN, vocabularies, etc.)
- Good communication skills, demonstrated ability to communicate technical concepts to non-technical staff
- Intermediate to advanced knowledge of SAS and SAS-BI
- Ability to stay calm while working under pressure and multi-tasking

##### Desired:

- In-depth knowledge of software development methodologies and strategies
- In-depth Knowledge of laboratory information systems
- Intermediate knowledge of laboratory testing and reporting practices
- Experience developing, testing, and maintaining web-based applications
- Experience with implementation of new software for data management (preferably in a health care setting) and with the migration of legacy data

### **Application Procedure**

Please send your resume and cover letter to: Terry J. McIntire-Hicks, DCDC –IT Unit. 1616 Capital Ave, MS 7303, P.O. Box 997377, Sacramento, CA 95899-7377. Or email to: [Terry.McIntire-Hicks@cdph.ca.gov](mailto:Terry.McIntire-Hicks@cdph.ca.gov). Positions open until 29 August 2008. No calls please.

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