

breakout ABSTRACT



TITLE

Web MOHSAIC (Missouri Health Strategic Architectures and Information Cooperative)

THEME

Build a Sustainable National EPHT Network

KEYWORDS

lead, MOHSAIC, STELLAR, Missouri department of health and senior services, Missouri, environmental public health tracking

BACKGROUND

Missouri currently uses CDC's STELLAR for the collection of lead testing and to track children under the age of 72 months. A new lead surveillance system, MOHSAIC, is currently being developed, tested and implemented. MOHSAIC (Missouri Health Strategic Architectures and Information Cooperative) includes a transactional application that provides a centralized and integrated database for the entry, update, and retrieval of information from a client-centered record. It is a population-based registry containing a record for all children born in Missouri since January 1, 1994.

OBJECTIVE(S)

- 1) Ability to cross-reference with other child services such as WIC and immunizations
- 2) Assurance of current data quality
- 3) Effect an automatic interface with the Department of Social Services Medicaid Registry
- 4) Integrate demographic, address, contact, and testing information to assure a comprehensive health profile

METHOD(S)

Joint application development sessions with development, program and surveillance staff were required to identify data elements, business rules and integration issues for design of the application. The development components include data entry, case management, risk assessment and reporting capability. The project includes testing of the application at several platforms and conversion of all blood lead surveillance, case management and environmental assessment data from five STELLAR databases located throughout the state.

RESULT(S)

Conversion of STELLAR data and implementation of the Web MOHSAIC lead application at the Jefferson City site occurred on August 28, 2004. Testing, verification and correction of application issues has been ongoing since that date. Conversion and implementation for other sites will be completed by June 30, 2005.



DISCUSSION/RECOMMENDATION(S)

1) Challenges in development and maintenance of an integrated data system, including coordination with other programs and agencies to maintain data integrity and quality assurance. 2) Design issues associated with assuring confidentiality of information while building mechanisms within the data structure to facilitate linkage with external data sets.

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