

## **Summary of Lead PAM Functionality Demonstrated at ABLES Conference, June 2006**

1. Patient
  - a. Search patients—includes numerous search criteria and system algorithms to perform the searches (for example, user can search with all or part of First Name, Last Name, etc.)
  - b. Patient data collection
    - i. Patient information includes: First, middle and last names; DOB; age; race; ethnicity; and others.
    - ii. Ability to enter an unlimited number of addresses for the patient. Address information includes: complete address, dwelling type, year built, phone number, and other fields.
    - iii. Personal information includes: provider name, insurance coverage, and pregnancy information, and other fields.
    - iv. Employment information includes: Employer name, NAICS or SIC code, Census Occupation Code, Job Title, from date and to date.
    - v. Ability to document actions related to the patient, such as a packet of educational information mailed to the patient.
2. Patient Associations: a very important function that enables Adult and Childhood Lead Programs to link parents and children together in the system. For example, the ABLES program can find a child in the system, and associate or link him/her to the parent already entered as an ABLES patient. This will enable both programs to identify instances of take-home lead exposure, prevention opportunities, and other areas of collaboration between the programs.
3. Employer:
  - a. Users can enter select from a complete list of either NAICS or SIC codes
  - b. Ability to enter an unlimited number of addresses for an employer, including a work site (bridge, plant or water tower) along with a location description if the site does not have an actual address.
  - c. Ability to enter multiple pieces of contact information, including cell phone, email, office phone, etc.
  - d. Ability to document actions related to the employer, such as a phone call to discuss lead testing of employees.
  - e. Ability to associate or link patients to the Employer. This enables users to view all patients that have been entered into the system with this Employer, allowing the user to view, at a glance, how many patients are linked to this employer.
4. Create Lab Reports:
  - a. In addition to entering blood lead test results, you can also enter other heavy metal results, and results for other tests that may be ordered for adults with elevated lead levels.

- b. All typical data that are part of a lab report can be entered here.
5. Patient case management
- a. Ability to record events, such as an attempt to contact a patient by telephone to inform them of their elevated blood lead level.
  - b. Patient risk assessment information, including:
    - i. Occupation of patient and/or household member (an unlimited number of relevant occupations can be recorded).
    - ii. Hobby of patient and/or household member selected from a drop down list of hobbies developed from ABLES data (an unlimited number of relevant hobbies can be recorded).
    - iii. Other household risk factors and visual observations.
6. Worklists: various case management task lists can be developed to streamline the program's work. These include:
- a. Assigned cases: cases can be assigned to different case managers. Each case manager will see a list of "alerts" for only his or her assigned cases.
  - b. Newly opened cases: appropriate users can see a list of cases that have been opened since they last viewed the system.
  - c. Potential case openings: if the program does not enable automatic case opening, it can set the system up to alert certain users to potential case openings, based on criteria set up by the program.
  - d. Closed cases or potential case closures: the program can set up the system to automatically close cases or alert chosen users to situations that meet their case closure criteria. Worklists can be created for both of these.
  - e. Missing case manager: if a case manager cannot be assigned, based on the criteria set up by the program, the system can alert selected users to the need to assign a case manager.
- And a number of others.
7. Environmental Investigation/Industrial Hygiene Inspection
- a. Data to be entered for environmental investigation includes:
    - i. Risk Assessment: XRF, dust wipes, paint samples, etc.
    - ii. Other Risk Factors: ability to identify non-paint sources such as cosmetics, traditional medicines, foods, toys, etc.
    - iii. Occupations and hobbies: ability to record occupation(s) and/or hobb(ies) of patient and/or household member (same as described above).
  - b. Summary of investigation outcome
    - i. Indicate if remediation completed and location.
    - ii. Indicate type of hazard identified (lead paint, occupational exposure, non-paint sources).
  - c. Industrial Hygiene Inspection fields:
    - i. Start date
    - ii. Outcome (E.g., Inspection complete, company closed, etc.)
    - iii. State of Exposure

- iv. County of Exposure
      - v. End Date
    - d. Ability to document Events associated with the investigation (e.g., letter sent to company to inform them of need to follow up with employee testing).
  - 8. Configuration Parameters
    - a. Ability to make system flexible to meet program needs
    - b. Examples:
      - i. Define “child”, “between child and adult”, and “adult” age groups
      - ii. Define elevated blood lead level for each age group
      - iii. Define confirmatory test for each age group
      - iv. Determine follow-up test scheduling for each age group
      - v. Define rules for automatically opening a case, for each age group.
      - vi. Define rules for creating “alerts”, the messages that appear in the worklists.And many others.
  - 9. Search: ability to perform searches on a number of criteria on: patients, laboratories, addresses, providers, property owners, employers, and users.
  - 10. Patient and Provider de-duplication: strong, flexible tool will enable more powerful and user-friendly de-duplication and merging of patients and providers.
  - 11. Address verification: enables users to check addresses against a reference database of known, valid addresses provided by a service and updated at least quarterly. This function will also geo-code all verified addresses, providing the ability to perform GIS analyses on the data.

For more information about NEDSS and the Lead PAM, please visit the NEDSS PAM Platform Website at: <http://216.27.172.78/training/>