



The
Alameda County
Lead Poisoning Prevention Program

Fourth Quarter Report 2009-2010

ALAMEDA COUNTY LEAD POISONING PREVENTION PROGRAM
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FY 2009-2010

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QUARTERLY HIGHLIGHTS

HUD Healthy Homes Demonstration Grant

On May 15, 2010 the ACLPPP completed contract negotiations with the US Department of Housing and Urban Development for its third Healthy Homes Demonstration grant. This three-year grant award for \$875,000 will demonstrate that low-cost housing interventions to reduce allergens, moisture, pests, and safety issues within the home, combined with client education and continued medical care, will result a reduction of allergy symptoms, reduced emergency department visits, and reduced hospitalizations for asthma and injuries. The grant is also designed to provide clients with additional housing-related improvements such as weatherization and minor home repair programs. Clients will be encouraged to participate in meetings facilitated by grant project staff resulting in education by subject-matter experts, sharing peer-to-peer experiences, and empowering participants to take steps to improve their family's health.

Green and Healthy Homes Initiative

This quarter, the City of Oakland, in partnership with the County of Alameda, was designated a Green and Healthy Homes Initiative (GHHI) Pilot Site. ACLPPP Director Mark Allen, City of Oakland Housing and Community Development Director Michele Byrd, and Ladan Sobhani, Program Manager for Green for All were invited to participate in the Convening of the National Green and Healthy Homes Initiative in Baltimore, MD June 7-8, 2010.

The Green and Healthy Homes Initiative is a partnership between the Council on Foundations and the Obama Administration to launch a multi-city healthy housing initiative designed to merge philanthropic dollars with federal investment in high risk neighborhoods, with the goal of integrating weatherization and energy efficiency activities with lead hazard reduction and healthy homes interventions to improve resident health outcomes.

GHHI Pilot Sites are Atlanta, Baltimore, Chicago, Denver, Cleveland, Detroit, Flint, New Haven, Oakland/Alameda County, Philadelphia, Providence, San Antonio, and the Cowlitz (Washington State) and Spirit Lake (North Dakota) Native American Tribes.

New Brochure for Medical Providers

This quarter the Alameda County Lead Poisoning Prevention Program (ACLPPP) finalized a new brochure for medical providers, "Quick Reference Guide for Elevated Blood Lead Levels" (see attached). It explains the range of services ACLPPP offers to families and the corresponding provider responsibilities, at each blood lead level range. It incorporates the new thinking that there is no safe level of lead in the body, and provides recommendations about when to get additional blood tests. This brochure was designed in response to numerous questions from medical providers about what blood lead levels initiates a response from the Program, and what the providers should be doing with children with lower blood lead levels.

State Lead Program Site Audit

The ACLPPP was visited by the California Department of Public Health Childhood Lead Poisoning Prevention Branch for a routine site audit for contract cycle 2008-2011. The State audit team met with Program staff, reviewed records and materials for all aspects of the Department of Public Health grant, including fiscal/administrative, outreach and education, case management, environmental investigations, the RASSCLE database, enforcement activity, and program evaluation. Preliminary feedback from the State was overwhelmingly positive with a few suggested areas of improvement noted.

The audit team noted the Program's extensive outreach and education activities as well as the ACLPPP's case management services provided to lead exposed children, their families, and medical providers, including the Program's work with children whose blood lead levels are in the lower ranges. The state team also praised the use of data mapping to assist in targeted outreach actions and the Program's effort to promote lead safe work practices through multiple city permit offices.

The suggested areas of improvement included minor documentation issues in the quarterly Medi-Cal Time Studies, lack of timeliness of some nursing notes, minor problems in monitoring the chain of custody for field samples sent to the laboratory for lead content analysis, and the failure to encrypt a field laptop used for environmental investigations.

The State was particularly interested in the Program's field laptop program. It was recently developed by the ACLPPP's Senior Registered Environmental Health Specialist (SREHS), who has been asked to provide technical assistance to the State on how to implement such a program statewide.

A formal written report of the audit findings is expected from the State in approximately three months. However, ACLPPP is already working on all of the suggested areas of improvement that were identified at the preliminary wrap up session of the audit.

Oakland Unified School District

On June 23rd Program staff conducted a lead awareness presentation for 189 Oakland Unified School District (OUSD) custodial staff. The presentation focused on how to identify potential lead hazards, the extent of the problem in schools, why lead poisoning is a concern and what staff can do to prevent and report lead hazards. The Program has also provided the OUSD with a summary of applicable lead regulations including wording to insert in construction contracts. In addition to State requirements for lead safe work practices, schools are now also included in the U.S. Environmental Protection Agency's (EPA) Lead Renovation, Repair and Painting rule, which requires EPA certification for any work that disturbs pre-1978 surfaces. The Program and OUSD are now working to schedule a lead training for the district's buildings and grounds staff.

EPA Lead Renovation, Repair and Painting Rule (RRP) Implemented

On April 22nd 2010, the EPA RRP rule went into effect, requiring contractors, landlords, and maintenance personnel working on pre-1978 housing, childcare facilities and schools to use lead safe work practices, receive training and become EPA certified. Publicity about the rule has expanded into contractor and property management magazines, news articles and on-line discussion forums. Under public pressure, the EPA made an amendment to the rule to eliminate an owner occupant's ability to opt out of the rule if they do not have young children.

During this quarter, the Program experienced a large increase in phone calls, emails and drop in visitors inquiring about the rule and how to access training. All of the Program's lead training classes were full to capacity. City building departments have responded by requesting materials about the rule and staff training. While discussions in the contractor community about the rule are not all positive, there is a significant change in the recognition that training in lead safe work practices is now required for most pre-1978 renovation projects.

Lead Safe Work Practices Training

The Program was contacted by the Environmental Health and Safety (EHS) Director for California State University, East Bay (CSU-EB), in Hayward to assist them in providing Lead Awareness training for their maintenance staff. The Program's Training Director worked with the CSU-EB EHS staff using a Train-the-trainer model to provide an appropriate PowerPoint presentation, deliver the initial training, and audit a class taught by the EHS staff. A total of 33 maintenance staff attended the two classes and included plumbers,

electricians, carpenters, information technology, engineering, and telecom personnel. The CSU-EB EHS staff is comfortable with the curriculum and, going forward, will use it to train their maintenance staff. As an adjunct to this collaboration, the CSU-EB EHS Director was provided with a PowerPoint presentation outlining the Seven Principles of Healthy Housing to review and, with Program assistance, determine how it can be used in training maintenance staff.

LEAD POISONING PREVENTION

Public Education and Outreach

The Program's public education and outreach activities are designed to increase awareness of the dangers of lead exposure and other housing related health hazards, and provide residents with information on how to prevent exposure. These activities are funded by the local County Service Area (CSA) fee, the California Department of Public Health (DPH), the U.S. Department of Housing and Urban Development (HUD) and the Kresge Foundation.

Objective: Increase Awareness

By June 30, 2010 the Program will have conducted at least 215 activities to promote public awareness about lead and healthy housing and to increase the visibility of the Program and its services.

Activities:

Utilize 100 Media Spots

Following an interview with the Program's Health Services Manager, New American Media published an article about lead in Indian spices and powders this quarter. Program staff also posted on-line comments about the EPA Lead Renovation, Repair and Painting Rule, which went into effect April 22nd, on websites and comment boards.

The Program utilized community calendar listings and display ads to advertise the ACLPPP's lead-safe work practice classes, in-home consultation services, and HUD 16 lead hazard control services. As a cost savings measure, this quarter the Program decided to reduce the number of displays ads. Display ads, however, were placed in the Rental Housing Magazine and Building Education Center newsletter. Eleven media spots were placed this quarter, for a total of 62 media spots this year.

Maintain 80 Community Literature Racks with Educational Materials

The Program has had literature racks at over 88 locations throughout the cities of Alameda, Berkeley, Emeryville and Oakland. Due to the cost of visiting these locations monthly, the Program has narrowed its focus for placing educational materials in locations where staff training and other joint activities can increase the impact of the materials. This quarter literature drops were made at the New Horizon Neighborhood Council meeting, Department of Toxics Substance Control (DTSC) West Oakland meeting, and paint stores in West and Northwest Oakland. EPA *Protect Your Family* booklets were provided to the Oakland Housing Authority and Premium Properties Management in Oakland.

Conduct Five Targeted Mailings

No targeted mailings were conducted this quarter. A total of 10 targeted mailings have been conducted to date.

Participate in 25 Public Education Events

Program staff participated in 17 public education events this quarter, reaching over 1,000 people. Staff provided lead information at Earth Day in Alameda; Juneteenth Festival, Habitot Children's Museum, Blank Infant

Health Fair, Heart2Heart Mobile Van and tabletop information sessions at three paint stores in Berkeley; and in Oakland, at four Oakland Housing Authority Section 8 landlord briefings, two Rental Housing Association of Northern Alameda County (RHANAC) workshops, and an East Bay Housing Organizations' event for Affordable Housing Week, a Community Safety and Gardening Fair, and Community United Elementary School Fair.

Staff participated in 75 public education events this year.

Maintain and Improve the Program Website

The Program's website had a total of 13,522 visitors this quarter for a year to-date total of 58,197 visitors. This quarter all of the websites for the Community Development Agency were re-designed to have a common look. Updates were also made to the home page, including adding a link to 211 services. The Program revamped the training page to include more information on the EPA Lead Renovation, Repair and Painting rule, including who needs to obtain training and certification and where to find training providers and certified contractors in the Bay Area.

Objective: Increase Knowledge

By June 30, 2010, 1,400 people will demonstrate an increase in their knowledge of the risks, sources and ways to prevent lead poisoning and about Healthy Housing.

Activities:

Conduct 60 Presentations to Parents, Property Owners, Contractors, and Painters

Staff conducted 15 presentations this quarter reaching 645 individuals. Staff continued to make presentations about lead poisoning prevention at Head Start parent meetings, Oakland Housing Authority Section 8 Landlord briefings, and neighborhood groups including the West Oakland Resident Action Council and the San Pablo Golden Gate Improvement Association. The EPA Region IX lead office invited an ACLPPP staff member to speak about the Program's strategies and successes in promoting lead safe work practices on a panel attended by 100 Bay Area individuals from local building and code enforcement departments and public health agencies.

The Program also reached out to permit offices in Alameda County and conducted presentations about lead regulations, including the new EPA rule, for building inspectors and permit counter staff in Alameda, Emeryville, Alameda County Zoning and Public Works departments, as well as at a joint meeting of the Alameda County and Contra Costa County Code Enforcement Network. In addition, staff conducted a lead safe work awareness presentation for 189 custodial staff with the Oakland Unified School District and for 32 maintenance workers at California State University, East Bay. Staff nurses made a lead presentation to eight pediatric residents at Kaiser Permanente in Oakland. Program staff conducted 47 presentations to 1,195 people this fiscal year.

Provide 600 Individual Consultations

Program staff provided 760 phone, email and walk-in consultations this quarter, and responded to 27 unsafe renovation calls (see Compliance section of this report). A large increase in calls and emails was seen in April from contractors seeking information about the training necessary to comply with the new EPA rule. Staff provided 1,485 such consultations this fiscal year.

Conduct 30 Lead and Healthy Housing Awareness Classes

ACLPPP staff presented a class in Mold Prevention to 57 Section 8 Landlords in April. Three Oakland Housing Authority staff members also attended and plan to incorporate mold prevention messages into their work with Section 8 landlords. Nine classes have been held this year reaching 187 people.

Objective: Provide Property Related Services to 500 CSA Property Owners

By June 30, 2010 at least 500 CSA property owners will have received at least one of the following CSA services; an in-home consultation, lead sampling kit, HEPA vacuum loaner or unsafe work practice consultation.

Activities:

Provide 200 In-Home Consultations and Lead Sampling Kits

During this quarter a total of 36 In-Home Consultations and 45 lead sampling kits were provided. To date 162 In-Home Consultations have been conducted and 213 Lead Sampling Kits provided.

Loan 200 HEPA Vacuum Cleaners

The HEPA vacuum program was discontinued this quarter for cost saving purposes. The ACLPPP's HEPA vacuums are to be distributed under long-term lending agreements to interested non-profit organizations. This quarter, one vacuum was provided to the Prescott-Joseph Center for Community Enhancement in West Oakland. A total of 132 CSA property owners had utilized the HEPA vacuum service this year before it was discontinued.

Implement Two CSA Neighborhood Outreach Projects

The Program's Neighborhood Outreach staff completed a focused outreach campaign in the East Oakland neighborhood with zip code 94621 and has identified key organizations to stay in touch with including the Elmhurst Blight Committee, and the Oakland Unified School District Family Resource Centers.

During this quarter outreach staff shifted focus to participating in Affordable Housing Week events and increasing outreach in the cities of Emeryville and Alameda. In Emeryville, staff made a lead presentation to 30 people at the San Pablo Golden Gate Neighborhood Improvement Association. In Alameda, staff had an information booth at the Earth Day Festival, provided training to building inspection staff and conducted a presentation for Head Start parents.

Objective: Assess Actions Taken

People taking action to prevent lead poisoning is an indicator that the Program's services are working. By June 30, 2010, at least 40% of people who have attended classes, called the information line or utilized a program service will have taken at least one action to prevent lead poisoning.

Activities:

Feedback Surveys and Follow-up Calls

Staff evaluated the effectiveness of educational interventions by several methods with the following results:

- Twenty feedback forms were received this quarter from property owners who received In-Home Consultations and/or lead sampling kits. Seventeen (85%) of the respondents stated they had taken an action to prevent lead exposures as a result of the Program's advice. The remaining three said they were waiting for test results. Property owners cited cleaning window sills, repainting, planting in containers, keeping children away from peeling paint, and nutritional improvements. Many complemented Program staff, and all stated they would refer a friend or neighbor to the Program.
- During this quarter 163 people took the on-line quiz about lead-safe work practices. A total of 471 people took the quiz this fiscal year.

Objective: Expand Partnerships and Collaborations

By June 30, 2010, five (5) agencies, community-based organizations and institutions will take action to increase public lead awareness by incorporating lead messages into their operations.

Activities:

Healthy Homes Partnerships

The Program is partnering with several community organizations and local agencies in the implementation of the new HUD Healthy Homes grant that began this quarter. The Asthma Coalition of Alameda County will be the primary referral partner for the grant.

The Alameda County Senior Injury Prevention Program is providing training on injury prevention and developing messages for inclusion in the Client Education Curriculum. The Program is also collaborating with the Disability Rights Education & Defense Fund on educational messages, staff training, referrals and recommended interventions for incorporating universal design for people with disabilities. Staff are also working with local weatherization and housing rehabilitation programs to ensure that project clients have access to these services.

Get the Lead Out Coalition

The Get the Lead Out Coalition represents 12 local jurisdictions in the greater Bay Area. During this quarter significant progress was made on developing the website for the Coalition, that will include numerous interactive features and ways users can take action in support of lead safe consumer products and practices. A test version of the site is being refined and is scheduled to go online in the first quarter of the next fiscal year.

In addition, the Coalition is working with the Center for Environmental Health to implement a grant from the Public Health Trust to promote education and awareness about lead in children's toys and products.

Multicultural Institute

The Program continues to work with the Multicultural Institute in Berkeley to increase lead awareness among day laborers. Two day laborers have been trained to conduct lead awareness sessions with other day laborers. The ACLPPP provided the Multicultural Institute with a visual training tool to assist the trainers with lead poisoning prevention messages for day laborers, many of whom are parents. The Program has also received a \$5,000 grant from the Michigan Public Health Institute to conduct an evaluation survey with 50 day laborers to assess the effectiveness of various levels of lead awareness education and training. The Program is working with the Multicultural Institute to conduct the survey.

Centro Legal de la Raza

The Program has extended its HUD-funded contract with Centro Legal de la Raza to continue outreach and lead education with Spanish speaking clients. The Program will also be hosting a student intern for the summer from Centro Legal de la Raza's Youth Law Academy.

Compliance with Lead Safe Work Practices

The ACLPPP works with neighborhood residents, building and code enforcement agencies, among others, to ensure compliance with regulations requiring lead safe work practices when renovating pre-1978 structures. The Program also provides guidance, educational materials, technical assistance and appropriate referrals when responding to complaints by Alameda County residents about potentially unsafe renovation activities.

In the cities of Alameda, Emeryville, and Oakland, staff may conduct a site visit, depending on the potential risk of exposure. Unsafe renovation calls are tracked separately and follow-up calls made to determine the outcome. Staff provides technical support to City of Berkeley Public Health Department staff responding to complaints about unsafe renovations in Berkeley.

The ACLPPP also reviews lead screening results and property information to identify properties with evidence of lead exposure to more than one child, and tracks property ownership to determine if individual owners are responsible for lead exposures at multiple properties.

Objective: Increase Compliance with Lead Safe Work Practices

Activities:

Respond to 60 complaints of unsafe renovation or unsafe conditions.

The ACLPPP and partners responded to 23 unsafe renovation or unsafe condition incidents during the quarter, for a total of 52 incidents for the fiscal year. Of these, 22 were related to unsafe renovations and one was a complaint of unsafe conditions. Twelve were in Oakland, five in Berkeley, where the ACLPPP assists the Berkeley Public Health Department, four in Alameda, one in Emeryville, and one in Castro Valley. Agencies that were involved in providing or receiving referrals or responses included the Bay Area Air Quality Management District, the Oakland Fire Department, the Alameda Building Department, the San Leandro Building Department, the Emeryville Building and Code Enforcement Department, the Alameda Development Services Department, and the Berkeley Public Health Department.

Contractors, workers and owners were provided with information on lead safety and at least one contractor completed the ACLPPP's training to become an RRP Lead Certified Renovator.

Promote compliance education and lead awareness at Building Permit Offices in Alameda County.

Five additional permit offices were contacted this quarter and four agreed to stamp permit plans with a lead warning message and/or provide permit applicants with a brochure about the need for lead safe work practices. All 14 building officials in Alameda County have received a Regulatory Alert letter about the new EPA Rule. There are a total of 15 permit offices in Alameda County (13 cities and two permit offices in the Unincorporated Area of Alameda County). To date a total of 10 permit offices are utilizing the lead warning stamp and/or providing the lead brochure to permit applicants. The five cities currently not participating are Dublin, Fremont, Piedmont, Pleasanton and Union City.

Present lead compliance information and tools to four building or code enforcement departments or inter-jurisdictional enforcement groups.

In addition to the permit stamps and brochures mentioned above, presentations about the EPA RRP rule were made to permit center staff in four jurisdictions this quarter; the cities of Alameda and Emeryville and the Alameda County Zoning Permits staff and the Alameda County Public Works Building Permits staff. A presentation was also made at the joint meeting of Alameda County and Contra Costa County Code Enforcement Networks. All of the presentations included an overview of lead regulations with a focus on the EPA RRP Rule, the requirement for contractor training and resources for finding training providers.

Objective: Ensure Correction of Lead Hazards at Four Properties with a History of Evidence of Lead Exposure

Activities:

Identify four properties where more than one child has shown evidence of lead exposure.

During the quarter the ACLPPP reviewed four properties in Hayward with multiple reports of children with lead exposure and selected two for notification based upon age, condition, and reports of lead exposed children. This year, two properties related to a lead-poisoned child achieved clearance and two property owners completed ACLPPP training to become RRP Lead Certified Renovators. Two property owners with multiple properties associated with reports of lead-exposed children were identified for additional research including sidewalk surveys and code enforcement history.

Lead Safe Work Practices Training

The ACLPPP offers lead-safe work practices training to prevent lead exposure during renovation of pre-1978 buildings. Because of recent funding available from the Kresge Foundation grant, for a limited time the Program is offering the HUD-EPA-approved, 1-day Lead Safety for Remodeling, Repair, and Painting course at no charge to Alameda County residents and businesses.

The Program also has a special collaborative relationship with the Laney Community College in Oakland to provide four one-day trainings annually to students in its Construction Program.

The ACLPPP is a state-accredited training provider and offers the three-day Worker and two-day Supplemental Supervisor/Project Monitor courses that are pre-requisites for certification in those disciplines.

Objective: Provide Lead Safe Work Practices Training to 130 Individuals

Activities:

Conduct 12 one-day HUD/EPA approved classes. Eight classes will be promoted for contractors, landlords, and homeowners; four classes will be conducted in collaboration with Laney Community College.

Seven Lead Safe Work Practices classes were held during this quarter: two in April, four in May, and one in June. A total of 122 persons were trained in this class during this quarter. Of the seven classes: three classes were open to all participants, one class was provided to Laney College Community College students, two classes were provided to Youth Employment Partnership students, and one class was provided to Spanish-speaking day laborers under contract with CAL Inc. as part of the Kresge Foundation grant.

Of all class participants: 58 were low-income persons, 38 were remodelers/contractors, 22 were CSA property owners, and four were from a partner organization (East Bay Local Development Corporation). The total number of LSWP trainings this fiscal year was 21, including two in Spanish.

Three EPA-RRP Refresher classes were provided during the quarter, one each in April, May, and June. Forty-four persons successfully completed the class and became EPA Certified Renovators. The class attendees were mixed groups of contractors, remodelers, and property management company personnel. For this fiscal year, the ACLPPP trained and certified 150 individuals as EPA-Certified Renovators.

Provide two state-accredited Lead-In-Construction trainings; one Worker and one Supplemental Supervisor/Project Monitor class.

No state-accredited training classes were provided this quarter, and two were provided this fiscal year.

LEAD POISONED CHILDREN

California Department of Public Health-Childhood Lead Poisoning Prevention Branch (DPH-CLPPB) funds comprehensive services to ensure children at risk for lead poisoning receive blood lead testing, and those with lead poisoning receive services necessary to address the health and housing issues responsible for the lead exposure.

Promotion of Lead Screening

One of the Program's primary functions is the early identification of children exposed to lead through lead screening or testing. Program staff conducts outreach to families and medical providers to encourage blood lead screening as called for under California Department of Public Health guidelines. The ACLPPP also collaborates with other government, community, and/or health care agencies and programs to increase lead screening of children at risk in Alameda County.

Objective: Increase Screening

The number of children screened for lead in Alameda County in calendar year 2009 was 18,363, a 5% increase from 2008, as reported from the DPH data, issued April 2010.

Activities:

Conduct one capillary blood lead testing event for Medi-Cal eligible children in Alameda County

This activity was completed in a previous quarter.

Provide lead education to 50 Alameda County medical providers serving children eligible for publicly-funded programs

This quarter, staff conducted a presentation to a group of eight Kaiser Permanente-Oakland pediatric medical residents, and also hosted one medical resident who accompanied the Public Health Nurse and the Registered Environmental Health Specialist during home visits; to-date-total of 95.

Distribute annual 'Lead Poisoning Update' newsletter to 100 medical providers serving the Medi-Cal population in Alameda County

This quarter, staff completed and distributed the 2010 edition of the provider newsletter, jointly with the Berkeley Lead Program. The new "Quick Reference Guide for Elevated Blood Lead Levels" (discussed in Highlights) was included as an insert for future reference to the providers. Distribution methods included US mail, e-mail, and hand delivery, reaching approximately 450 medical providers.

Conduct 15 train-the-trainer trainings for organizations serving at risk target populations, such as WIC, Head Start, schools, child care centers, special needs children's groups, and refugee centers.

This quarter, ACLPPP staff provided one train-the-trainer presentation to staff members of the Multicultural Institute. The training introduced a new presentation tool on lead poisoning that their staff will use to train parent groups. To date, only six train-the-trainer presentations have been completed. One reason is that the printing of the new tool was delayed a couple of months which delayed implementation of the trainings until the second quarter of the fiscal year. Additionally, the presentations have been challenging to schedule because some agencies have been more resistant than anticipated. As a result, we have had to provide more technical assistance to those already completed, resulting in less trainings this fiscal year. Just recently, we received a commitment for 23 Head Start sites to be trained, beginning in the fall.

Host and coordinate four meetings of the Regional Bay Area Lead Programs.

The fourth meeting of the fiscal year was conducted on April 23, 2010. It was attended by health, environmental and housing representatives from local Bay Area lead programs. Representatives from the California Department of Public Health Lead Branch provided the local programs with an update on state issues.

Comprehensive Services to Lead Exposed Children

The ACLPPP intervenes when a child has been identified as lead exposed. The Program offers an array of services to children identified with lead in their blood and their families. The type of service provided is determined by the levels of lead found in the blood.

Public Health Nursing Case Management is provided to families of children with blood lead levels greater than 15 micrograms per deciliter. The Program's case management of lead poisoned children is coordinated with the primary care provider, and encompasses comprehensive health assessments, the development and implementation of individualized care plans, and ongoing evaluation to determine effectiveness of the interventions.

Particular attention is paid to the developmental status of the lead poisoned child by conducting developmental screenings and ongoing monitoring.

Case managers facilitate linkages to educational, community, health, and social resources, as needed. In addition, the nurse case manager coordinates the referral to the environmental professional for an environmental investigation to identify lead sources in a child's environment.

If the environmental investigation identifies property-related lead hazards, the Program's housing professionals provide technical assistance to the occupants and property owners to ensure lead hazards are remediated in a lead-safe and timely manner.

The nurse case manager convenes the semi-monthly Case Review Working Group with environmental and housing professionals, evaluating all cases to ensure progress towards eliminating housing-based lead hazards.

Lead Poisoning Consultations are provided to families of children with blood lead levels 10-14 micrograms per deciliter. They consist of in-home education; a visual survey of the home, along with health and housing education materials, and an environmental lead testing kit for those who are CSA property owners.

Telephone consultations, which consist of education, technical assistance, and the mailing of the educational materials, are conducted when families decline an in-home consultation. Staff monitors the child's blood lead levels to assess the need for further case management services.

Lead Poisoning Outreach & Education is provided to families of children with blood lead levels 5-10 micrograms per deciliter. This includes direct mailings of health and housing education materials on lead poisoning to the families. The child's blood lead levels are monitored to evaluate the need for further intervention and case management services.

Objective: Decrease Blood Lead Levels

By June 30, 2010, 80% of children with blood lead levels above 15 mcg/dL will demonstrate decreased blood lead levels.

This quarter, staff completed a case management outcomes evaluation analysis to assess the effectiveness of interventions in reducing blood lead levels for children who received services in 2008. The evaluation tracked blood lead levels over a one year period and showed a decrease in blood lead levels in 93% of the children served. Other findings include that a variety of interventions are equally effective at decreasing blood lead levels, and that one type of intervention alone is not sufficient. These findings support the Program's varied approach in working with families.

Activities:

Provide appropriate services, based on blood lead level, to children with newly identified blood lead levels.

This quarter, (62) children with elevated blood lead levels were newly identified and received one of three health promotion services ranging from comprehensive nursing case management (9), to lead poisoning consultations (12), to lead poisoning outreach and education mailings (41). To date 262 lead exposed children have been served this year.

Track and evaluate blood lead levels quarterly to determine the need for additional services.

Staff tracks follow-up blood lead levels of children to evaluate their need for additional services. This quarter, two children received additional services due to an increase in blood lead level.

Conduct a quarterly review and analysis of blood lead level reduction in children with blood lead levels greater than 15 micrograms per deciliter.

This quarter, staff conducted nine additional chart reviews, for a to-date-total of 43; analysis results are discussed above, under the narrative for the objective on decreasing blood lead levels.

Environmental Case Response

Environmental Case Response is designed to ensure the source of exposure for a lead poisoned child is eliminated in a safe and timely manner. California Department of Public Health (DPH) guidelines call for the property owner to begin the lead hazard corrections within 30 days of notification that a child has been poisoned as a result of hazards found at the property.

The correction of all hazards is required within 90 days. Under its contract with the California Department of Public Health, the Program is responsible for lead poisoning case response in Alameda County, with the exception of the City of Berkeley. The City of Berkeley's Public Health Department has its own contract with the DPH, and is responsible for case response in its jurisdiction.

The Program's Case Review Working Group determines when to refer noncompliant property owners to the Alameda County Environmental Health Services for further enforcement.

Objective: Promptly Correct Lead Hazards

Within 90 days of owner notification, ensure correction of lead hazards in 60% of the properties associated with a lead poisoned child.

During this quarter, ACLPPP cleared one property with lead hazards, promptly, within 33 days, and continued to work towards clearing four other properties with lead hazards.

Over the course of the fiscal year, a total of 18 properties were cleared of lead hazards; of those, 12 (66%) had property related lead hazards, while six (33%) did not have property related lead hazards. In 58% (7 out of 12) of the properties where housing related lead hazards were found, the hazards were addressed and cleared within 90 days. In 42% (5 out of 12) of properties, they were cleared beyond the 90-day goal; however, of these five, four passed clearance within an additional 31 days of the 90-day goal. Challenges to clearing within the 90 day deadline included weather delays for outdoor work, difficulty coordinating with an out of town owner, and delays due to additional requirements of HUD projects.

Activities:

Conduct 30 Environmental Investigations (EI) of properties to determine the likely source of lead exposure for children with elevated blood lead levels meeting state case management criteria.

This quarter, staff conducted five Environmental Investigations (EIs) to determine the source(s) of lead exposure, for a year to-date total of 17 EIs. The cities of Oakland, Alameda, Fremont, Livermore, and Hayward each had one EI this quarter. Property based lead hazards were found in the Oakland and Alameda properties. No property based lead hazards were found in the homes in Fremont, Livermore, and Hayward. In these cases the most likely source of lead exposure for the child was Mexican candy; a parent's take home exposure from work, and Azarcon, respectively.

For the fiscal year, 17 Environmental Investigations were conducted. Of these, ten (59%) properties were found to contain property based lead hazards that were the likely causes of the children's elevated blood lead levels. Nine of these properties were located in Oakland. One was located in Alameda. For the remaining seven cases (41%) the children's exposure was attributed to sources of lead besides the child's home such as travel outside the country, home remedies, parents take home exposure, and Mexican candy. These cases were located as follows: two in Oakland, two in Hayward, two in Fremont, and one in Livermore.

Provide technical assistance to occupants and rental property owners of an estimated 30 housing units where lead hazards have been identified.

This quarter, the Case Review Working Group (CRWG) reviewed and tracked progress for eight units where EIs had been completed. Of these units, five had property based hazards requiring follow-up and three had no property based lead hazards identified during the EI. Technical assistance was provided to all five properties where lead hazards were present.

Over the course of the year, 21 properties were followed by the Case Review Working Group and provided with technical assistance. In addition, three properties required additional assistance in order to get the hazards addressed: two properties were sent to the Alameda County Environmental Health Department for enforcement hearings to get the hazards addressed (we continued to work with the owners of these properties to provide technical assistance during enforcement hearings). In addition, one property with lead hazards also had an extensive pest infestation problem which needed to be addressed before the lead work could be started. The program provided the owner/family education and technical assistance from our Healthy Homes Project team. The assistance was well received and very successful in addressing the problem so the lead hazard reduction project could move forward.

Ensure 30 housing units associated with a lead poisoned child meeting the state case management criteria are free of lead hazards.

While it was estimated that 30 properties would be cleared this fiscal year, only 17 properties were identified with lead hazards that required clearance. This quarter, three more properties were cleared for lead hazards. Two properties had no housing-based lead hazards identified during evaluation and another property passed visual and dust clearances after addressing the identified lead hazards. This year 14 of the 17 housing units associated with a lead poisoned child were cleared free of lead hazards.

LEAD HAZARD CONTROL

HUD Round 16 Grant

On January 1, 2009, the Program began implementing the three-year **Partnerships for Affordable Lead-Safe Housing** under a \$3 million grant from the U.S. Department of Housing and Urban Development. Under this

grant, the ACLPPP and its partners committed to perform 285 risk assessment/paint inspections, complete lead hazard control in 200 housing units, increase education and awareness among property owners, tenants, and agency partners through 132 events; and provide lead-related skills trainings to 317 individuals.

Objective: Implement HUD Round 16 Lead Hazard Control Grant

Activities:

Complete lead risk assessment/paint inspections in 100 privately owned housing units.

Lead risk assessment/paint inspection reports were completed in 18 housing units during the quarter for a total of 157 in the fiscal year to date. For the three-year grant period, 186 out of the 285 planned lead evaluations have been completed.

Complete lead hazard control in 60 privately-owned housing units this fiscal year.

Lead hazard control work was completed in eight properties with a total of 23 units completed and cleared during the quarter, bringing the total for the fiscal year to 69. Construction was completed on the 10-unit Addison Court Housing Cooperative project in Berkeley and construction began on a 31-unit project with Affordable Housing Associates (AHA) in Oakland. The AHA project is expected to be completed in early 2011. One of the properties completed this quarter was associated with a lead-poisoned child. A total of 71 units have been completed under the grant to date.

The City of Alameda Development Services Department has completed 17 units and review of project documentation will be completed in the first quarter of the next fiscal year.

The City of Oakland Housing and Community Development Department has completed nine units pending project documentation and has 15 active units where lead evaluations have been performed. Most city of Oakland projects have been single-family homes completed under the paint grant and housing rehabilitation loan programs.

(See Public Education and Outreach and Lead-Safe Work Practices Training for grant-related objectives in those areas.)

HEALTHY HOMES

Healthy Homes Demonstration Project

In October of 2006, the Program was awarded a \$1 million grant to fund its second Healthy Homes Demonstration Grant from the U.S. Department of Housing and Urban Development. The Alameda County Healthy Homes Project is in the third year of the three-year period of performance. This grant ended on October 31, 2009.

The goal of the Healthy Homes Project was to demonstrate an improvement in the health status of 225 children and adolescents diagnosed with asthma and respiratory distress by combining education and low-cost housing intervention with the concurrent medical model.

Objective: Reduction in Asthma Symptoms

Fifty percent (50%) of enrolled participants will demonstrate a reduction in asthma symptom severity, number of hospitalizations and/or emergency room visits.

Achieved:

Sixty-seven percent (67%) of enrolled participants demonstrated a reduction in asthma severity, number of hospitalizations and/or emergency room visits.

Complete the Project Final Report by January 30, 2010.

The Project ended on October 31, 2009, Final Report submitted to HUD on January 30, 2010.

Healthy Housing Training

The ACLPPP provides training to promote safe and healthy housing. The ACLPPP provides the “Essentials of Healthy Housing - Practitioner” course to those who perform on-site residential visits, such as public health nurses, environmental health specialists, code enforcement personnel, social service providers, contractors, public housing staff, and advocates for safe, healthy, and affordable housing.

Objective: Train at least 40 Individuals to Identify Unhealthy Housing Conditions

Activities:

Provide one “Essentials of Healthy Homes - Practitioner” Course

No “Essentials of Healthy Homes – Practitioner” classes were provided during this quarter. One training was held this fiscal year.

The evaluation summary for the March class was received. The evaluation summary for this class revealed that 24/31 (77%) of the students turned in an evaluation; 91% of the attendees gave the class a “Best” or “Good” rating; 96% of the students felt the course met its objectives; and that 87% felt they could incorporate this information into their jobs right away. The two instructors were given an average rating of 4.6 (out of 5.0).

Provide one “Code Inspection for Healthier Homes” Course

No Healthy Homes trainings for Code Inspectors were provided this fiscal year.

APPENDIX A

Activities by CSA City
Fourth Quarter Cumulative
July 1, 2009 – June 30, 2010

Activity	Alameda	Berkeley	Emeryville	Oakland	Out of CSA	TOTAL
Classes*						9
LSWP 1-day trainings*						21
RRP Training*						10
In-Home Consultations	13	40	0	108	1	162
Test Kits given out	17	51	3	142	0	213
HEPA vacuums	7	28	0	96	1	132
Literature racks	13	11	5	53	11	93
Info tables at Events	2	15	2	52	4	75
Presentations	2	3	3	22	17	47
Info line calls and info requests	46	135	12	301	†991	1485
Response to complaints of unsafe renovation or unsafe conditions	7	18	1	26	4	56
TOTAL	107	301	26	800	1029	+2303

*Classes and trainings are open to all CSA owners and for a limited time were open to contractors and residents in Alameda County.

†Majority of these are emails from unknown locations.

+ Total does not add up because classes are not counted by city.

APPENDIX B

Services Provided To-Date
 Fourth Quarter Cumulative
 July 1, 2009 – June 30, 2010

Goals and Objectives	Goal	First Quarter 09-10	Second Quarter 09-10	Third Quarter 09-10	Fourth Quarter 09-10	Cumulative
100 Media Spots	100	18	16	17	11	62
5 Targeted Mailings	5	3	1	6	0	10
25 Public Education Events	25	31	18	9	17	75
40,000 Website Visitors	40,000	12,755	15,537	16,383	13,522	58,197
60 Presentations	60	8	14	10	15	47
600 Phone Consultations	600	170	144	411	760	1,485
60 Responses to Unsafe Renovations Calls	60	17	6	6	23	52
30 Lead and Healthy Housing Awareness Classes	30	2	1	5	1	9
200 In-Home Consultations	200	50	43	33	36	162
200 Lead Sampling Kits Provided	200	74	58	36	45	213
200 HEPA Vacuum Cleaners Loaned	200	29	57	46	0	132
50 Medical Providers Receive Education	50	0	0	86	9	95
15 Train-the-Trainer Trainings	15	0	4	1	1	6
150 New Lead Exposed Children Receive Services	150	90	71	38	62	261
30 Environmental Investigations Conducted to Determine Source of Lead Poisoning	30	7	3	2	5	17
30 Housing Units Associated with Lead Poisoned Child are Cleared of Lead Hazards.	30	3	6	2	3	14
100 Lead Risk Assessment/Paint Inspections Completed	100	47	68	24	18	157
60 Units with Lead Hazards Remediated	60	12	13	21	23	69



Health Care Provider Newsletter

A Collaboration Between the Alameda County Lead Poisoning Prevention Program and the City of Berkeley Childhood Lead Poisoning Prevention Program

*“There is no safe level of lead for children...”
The American Academy of Pediatrics, October 2007*

Spring/Summer
2010

Lead and Pregnancy Update:

Approval is pending on the Center for Disease Control (CDC) Lead and Pregnancy Work Group’s national guidelines and recommendations for the medical management of lead risks in pregnant and lactating women. In the meantime, New York, Minneapolis, and New Mexico have adopted their own guidelines for lead and pregnancy including a risk assessment that can be used by families and prenatal care providers. Until the national recommendations are released, you are encouraged to evaluate and screen at risk pregnant women for lead poisoning. A pregnant woman with an elevated blood lead level (BLL) can pass lead on to her developing fetus. Children born with elevated BLLs may suffer cognitive and developmental problems as a result of prenatal exposure. A sample prenatal risk questionnaire is available at <http://www.health.state.nv.us/publications/2535.pdf> or you can call the Alameda County Lead Poisoning Prevention Program and ask for the Health Services Manager at (510) 567-8267.



It is important for pregnant and lactating women to be tested for lead.

International Clients and Lead Exposure



Surma, Kohl, Khali

Though the primary source of lead poisoning for children in the U.S. continues to be through exposure to lead based paint, our local Childhood Lead Poisoning Prevention Program continues to see children whose exposure seems to have little connection to lead in local housing. It is not uncommon to find that herbs and folk medicines have been given for different ailments, or ceremonial cosmetics like

Kohl and Surma have been applied to the child by the parent as a protective measure. Some of our clients are multicultural and come from developing areas of the world where there is less regulation of the components of gasoline and housing, and where the background lead levels are presumably higher than in the U.S. Some of these children visit relatives out of the country at intervals especially during their pre kindergarten years, and seem to have lead levels that increase after return from their out of country travel. For these children, we encourage re-screening and monitoring. Additionally, Public Health Nursing case management is available through both the Alameda County Lead Poisoning Prevention Program and the City of Berkeley Childhood Lead Poisoning Prevention Program. For more information about folk medicines, please visit the site for the Center for Disease Control (CDC), which provides some specific information for your reference: <http://www.cdc.gov/nceh/lead/tips/folkmedicine.htm>.

Inside this issue:

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New Name: Lead and the Healthy Housing Link

"The connection between health and the dwelling of the population is one of the most important that exists".

Florence Nightingale



Creating healthier housing promotes the healthy growth and development of children.

In an effort to integrate lead into the broader healthy homes concept, the U.S. Dept of Housing and Urban Development (HUD) Office of Lead Hazard Control has changed names to the HUD Office of Healthy Homes and Lead Hazard Control (OHHLHC). Similarly, the CDC's Lead Poisoning Prevention Branch is now known as the Healthy Homes & Lead Poisoning Prevention Branch.

Working from a holistic approach to housing, ensuring a lead safe home is just one component of the healthy housing approach. Others include ensuring a dry, clean, pest free, well ventilated, safe, and well maintained home. The Alameda County Healthy Homes Project, administered by the Lead Poisoning Prevention Program, has received another grant from OHHLHC to continue making housing healthier for children, with a special emphasis on asthma, intergenerational households and families with disabled members and older adult caregivers to those children. Services to families of asthmatic children will include in-home educational visits, allergen reduction treatments, and minor home safety repairs. The focus will be on identifying housing health hazards that contribute to asthma, safety issues, and lead poisoning. The Project will also coordinate these efforts with the City of Berkeley Public Health Department. The project will begin accepting referrals this summer for children residing in Alameda County with a diagnosis of asthma or respiratory distress. For more information, please call the Alameda County Lead Poisoning Prevention Program at **(510) 567-8280** and ask for the Healthy Homes Project Manager.

The Seven Healthy Homes Principles

Be sure to keep your home...

1. Dry
2. Clean
3. Pest-Free
4. Safe
5. Contaminant-Free
6. Ventilated
7. Maintained



New Lead Hazard Policy: The U.S. Environmental Protection Agency's Renovate, Repair and Painting Rule



The main source for lead exposure for children is traditionally lead-based paint.

Lead-based paint continues to be a traditional source of exposure of children with lead poisoning. Unqualified workers conducting renovation, repairs and painting on pre-1978 properties have the potential of putting children at an even greater risk. Over a million children are affected by lead poisoning, which can lead to behavioral problems and learning disabilities. For pregnant women, lead dust can harm the developing fetus; and for adults, lead paint dust can cause high blood pressure, hypertension and effect kidney function. On April 22, 2010, the U.S. Environmental Protection Agency (EPA) implemented the Renovate, Repair and Painting Rule (RRP), in which any contractors, painters, and property owners performing renovation, repair and painting projects that disturb lead-based paint in homes, child care facilities, and schools built before 1978 must be certified and must follow specific work practices to prevent lead contamination. We encourage families that live in pre-1978 properties to learn more about what they can do to protect their children from lead-exposure due to lead-hazards that are created by unsafe work practices. For more information, please visit the U.S. EPA website at

www.epa.gov/getleadsafe.

FAQs about Screening for Lead

- Q:** Are blood lead levels in the 5-9 range safe?
A: No. A multitude of scientific evidence suggests there is no safe level of lead.
- Q:** What are the current guidelines for levels in the 5-9 range?
A: Retest in 6 months to ensure no increase in lead level.
- Q:** Are there services available to a family with Blood Lead Levels (BLLs) < 10?
A: Yes. A range of services, depending on blood lead level, is provided by the Alameda and Berkeley Lead Programs (including educational mailers, home visits, visual assessments, home investigations, nursing case management). At the 5-9 level, services currently include an educational mailing, and technical assistance via telephone consult or website. Please refer to the insert for a listing of services for all blood lead levels.
- Q:** Will the CDC lower the current level of concern from 10 to 5 mcg/dL?
A: At present, the CDC recognizes that adverse effects are seen at BLLs below 10, but has not moved to officially change the current level of concern. In the meantime, they recommend frequent retesting of children with blood lead levels in the 5-9 range.



Alameda County and City of Berkeley Lead Programs offer health education for children within the 5-9 µg/dL range

Physicians Recognized for Efforts in Lead Poisoning Prevention

The following providers were honored during National Lead Poisoning Prevention Week, October 18-24, 2009 for their distinguished work ensuring that children are screened for lead:

The Alameda County Board of Supervisors issued proclamations to:

- ◆ Steven Chu Chen, MD (Asian Health Services)
- ◆ Nicki Brito, NP (Tiburcio Vazquez Health Center)
- ◆ Sylvia Delius, MD (Kaiser-Oakland)



Your dedication truly benefits children exposed to lead in their environments.

Congratulations

From The Alameda County and City of Berkeley Lead Poisoning Prevention Programs!

Berkeley-Albany YMCA Head Start "Lead-Free Me!" Birthday Club



The City of Berkeley Childhood Lead Poisoning Prevention Program (COB CLPPP) is collaborating with Head Start/Early Head Start on a project called the "Lead-Free Me" Birthday Club. The focus of this project is to educate parents and guardians on the importance of screening and to encourage them to have their children tested for lead. Members of the birthday club are sent a birthday card near their child's birthday

with a reminder to have their child screened for lead. The parents then request that the doctor send a copy of the lab results to their home; in which they bring to Head Start/Early Head Start to receive a birthday club gift bag. The bag includes a certificate of congratulations, a book (*Monsters get scared of the doctor, too*), a picture frame and a \$10 gift card for Grocery Outlet. "Lead-Free Me" started in May of this year and is adapted from a similar project that was done by the Contra Costa County Lead Poisoning Prevention Program and the Contra Costa Head Starts. The Lead Program is very excited about this collaboration with Head Start/Early Head Start and commend them for the commitment to helping children stay lead-free! For more information, contact the COB CLPPP at [510-981-5289](tel:510-981-5289).



Alameda County Lead Poisoning Prevention Program

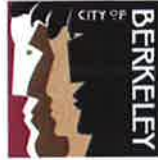
2000 Embarcadero, Suite 300
Oakland, CA 94606
510-567-8280
WWW.ACLPPP.ORG



Alameda County Community Development Agency Lead Poisoning Prevention Program

City of Berkeley Childhood Lead Poisoning Prevention Program

1947 Center St. 2nd Floor
Berkeley, CA 94705
510-981-5289
publichealth@cityofberkeley.info



Department of Health Services
Public Health Division



The Alameda County Lead Poisoning Prevention Program and City of Berkeley Childhood Lead Poisoning Prevention provide services to Alameda County and Berkeley residents as they relate to reducing lead exposure in children. Services range from nursing case management for children with blood lead levels above 10 $\mu\text{g}/\text{dL}$ to health education for children with levels between 5-9 $\mu\text{g}/\text{dL}$.

For more information about our case management services, please see our insert.

We also provide resources to property owners on lead-safe practices, such as free lead-safe painting and remodeling classes, In-Home Consultation and garden soil testing kits, access to HEPA-Vacuums and more! For more information about our programs, or to refer a client to our services, please feel free to contact us at the information listed above.

Resources and Links



- Free CME unit for Online Self Study Module on Lead Poisoning [http://www.ucdmc.ucdavis.edu/cme/distance_education/webevents/07 PEDS 10-12-07 Rosenberg page.html](http://www.ucdmc.ucdavis.edu/cme/distance_education/webevents/07_PEDS_10-12-07_Rosenberg_page.html)
- Free Online Continuing Education Course for Health Professionals through the UCSF Pediatric Environmental Health Specialty Unit: http://www.atsdr.cdc.gov/emes/health_professionals/pediatrics.html

Product Recall Update

- Mercury poisoning has been linked to homemade face creams from Mexico and the Dominican Republic. See recent California Department of Public Health alert for more information. [http://www.ehib.org/papers/CDPH Mecury Health Alert Skin Cream.pdf](http://www.ehib.org/papers/CDPH_Mecury_Health_Alert_Skin_Cream.pdf)
- Lead has been found in a variety of children's foods and juices. Legal notices are pending. For more information: <http://www.envirolaw.org/documents/FINALNewsRelease.pdf>. For a complete list of the products: <http://www.envirolaw.org/documents/ProductsTestedforLeadFINAL.pdf>



Ask your clients to stay connected to consumer product updates, such as those from Consumer Product Safety Commission.

Visit the following websites for information on recalled products.

- www.recalls.gov or www.cpsc.gov
- Check independently tested toys at www.healthytoys.org
- Check lists of lead-safe candies at www.leadinmexicancandy.com

Quick Reference Guide for Elevated Blood Lead Levels:

Blood Lead (µg/dL)	Alameda County Lead Poisoning Prevention Program Response	Health Care Provider Responsibilities
0-4	None	Monitor for changes in risk of lead exposure
5-9	<ul style="list-style-type: none"> • Health Education Mailing • Telephone Consultation 	<ul style="list-style-type: none"> • Refer to the Lead Program • Monitor blood lead levels per CA-DPH Management Guidelines: <ul style="list-style-type: none"> ➤ retest in 6 months
10-19	<ul style="list-style-type: none"> • Home Visit, within 30 days by Health Educator or Public Health Nurse <ul style="list-style-type: none"> ✓ Visual survey of home to assess potential lead sources ✓ Developmental screening ✓ Ongoing case management ✓ Coordination of care with medical provider 	<ul style="list-style-type: none"> • Refer to the Lead Program • Monitor blood lead levels per CA-DPH Management Guidelines: <ul style="list-style-type: none"> ➤ retest in 1-3 months
≥ 20	<ul style="list-style-type: none"> • Home Visit, within 7 days by Public Health Nurse <ul style="list-style-type: none"> ✓ Ongoing case management ✓ Developmental screening ✓ Coordination of care with medical provider • Environmental Investigation of home within 7 days by lead inspector to identify lead sources 	<ul style="list-style-type: none"> • Refer to the Lead Program • Monitor blood lead levels per CA-DPH Management Guidelines: <ul style="list-style-type: none"> ➤ retest in 1-2 months
≥ 45	Same as above, within 48 hours	<ul style="list-style-type: none"> • Refer to the Lead Program to discuss <i>possible</i> chelation @ Children's Hospital of Oakland • Monitor blood lead levels per CA-DPH Management Guidelines: <ul style="list-style-type: none"> ➤ retest ASAP
≥ 70	Same as above, within 24 hours	<ul style="list-style-type: none"> • Refer to the Lead Program to discuss <i>probable</i> chelation @ Children's Hospital of Oakland • Monitor blood lead levels per CA-DPH Management Guidelines: <ul style="list-style-type: none"> ➤ retest ASAP

Alameda County Lead Poisoning Prevention Program

2000 Embarcadero - Suite 300 • Oakland CA • 94606

Phone: (510) 567-8282 • Fax: (510) 567-8272

www.aclppp.org

Health Team Contact Information (April 2010):

Health Services Manager:	Julie Kurko, RN:	(510) 567-8267
Public Health Nurse:	Diep Tran, RN:	(510) 567-8236
Health Educator:	Josephina Cornejo:	(510) 567-8254