City of Santa Clara Challenge Team
September 13, 2017

https://hkidsf.org/our-programs/challenge-team/
Goals

1. Actively support the well-being of children and families in Santa Clara.

2. Nurture and facilitate valuable community relationships.

2. Engage community members.
   a. Connect
   b. Collaborate
   c. Discuss challenges
   d. Share resources
   e. Reduce duplication of services
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Visit the Challenge Team website!
www.hkidsf.org/our-programs/challenge-team
CHILDHOOD LEAD POISONING PREVENTION PROGRAM (CLPPP)

Bob Lorilla
Health Education Specialist
Scope of the Problem

• There are NO known safe levels.\textsuperscript{1,2}

• Even low levels of lead in the blood have been shown to affect IQ, ability to pay attention, and academic achievement.

• The effects of lead exposure cannot be reversed or erased.....prevention is the key!

\textsuperscript{1} Koller et al. EHP, Jun 2004

\textsuperscript{2} Bellinger, Current Opinions in Pediatrics, 2008, 20: 172-177
Why Does It Matter?

• Lead poisoning *can* occur when a child is exposed to *any* source of lead in the environment

• Lead exposure can harm developing brains

• Children’s bodies absorb lead faster than adults

• Lead poisoning often goes undetected, as children frequently present with *no* obvious symptoms
National Statistics

• Estimated 500,000 American children between 1 and 5 yrs old have blood lead levels ≥5µg/dL\(^1\)

\(^1\)Centers for Disease Control (CDC), 2012; www.cdc.gov/nceh/lead
Studies Correlate Lead Exposure in Children with...

- Poor academic achievement\(^1\)
- Juvenile delinquency\(^2\)
- Elevated school drop-out rate\(^3\)
- Direct effect on behavior\(^4\)
- ADHD\(^5\)

\(^3\)Needleman, et al. NEJM 1990; 322(2):83-8
Gastrointestinal Absorption

• 40% in children compared to 15% in adults\textsuperscript{1}.

• Deficiencies in iron, calcium, protein, and zinc.

\textsuperscript{1}Ziegler et al, 1978
\textsuperscript{2}Mahaffey, 1981; Mahaey and Michaelson, 1980
SOURCES OF LEAD
Sources of Lead Poisoning

- Deteriorating lead paint in pre-1978 housing
- Lead-glazed ceramic pots
- Home remedies, ayurvedic medicines, and cosmetics
- Spices and imported foods
- Candy, toys, and jewelry
- Take-home exposure
Deteriorating Lead-Based Paint

• Major source of high dose lead poisoning in the U.S. ¹

¹U.S. Housing and Urban Development Department
Lead-Glazed Ceramic Cooking Pots

• Food prepared in lead-glazed pots or dried on clay plates allows lead to leach into the food.

• Acidic foods enhance this leaching process.

• Examples:
  • Chapulines (Grasshoppers)
  • Semillas (Pumpkin seeds)
Home Remedies, Cosmetics, & Ayurvedic Medicines

Vietnamese Ayurvedic medicine used for asthma
Spices and Imported Foods

Chile powder and turmeric have been found to have lead.

Recently, some imported rice had lead.

Some imported cans have seams soldered with lead.
Candy, Toys, and Jewelry

Please check current websites for most recently recalled candies and toys—these change monthly!
Take-Home Exposure of Lead

- High-risk lead occupations include:
  - painting, construction, radiator/battery recycling and repair, landscaping, and metal/glass working
POPULATIONS AT RISK
Children of Crawling Age

• Children ages 1-6 are at highest risk
  • Hand-mouth behavior
  • Crawling
  • Greater absorption rate
Children Residing in Pre-1978 Housing

• Higher prevalence of lead-based paint and paint dust from deteriorating paint
Approximately 67% (426,418) of all housing units were built before 1980 and presumed to contain lead-based paint\(^1\)

\(^1\)2011 U.S. Census data
Child Immigrants

- Dietary, cultural, religious, or ceremonial habits may cause unknowing ingestion of lead.
Pregnant Women and the Developing Fetus

• Transplacental transfer of lead during pregnancy, even at levels <10μg/dL

• Lead has been measured in the fetal brain as early as the first trimester of pregnancy

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1 American Family Physician, Figure 1, February, 1998
Pica in Pregnant Women and Children

- The compulsive eating of non-food items, such as clay, dirt and chalk.

- Usually precipitated by poor nutrition and mineral deficiencies.
THINGS TO REMEMBER
Keeping a Child “Lead Safe”

- Prevention is key (*Identifying and remediating* lead hazards is the best remedy for most children with elevated blood lead levels)
- Diet rich in calcium, iron, vitamin C, and protein.
- Great hand hygiene and clean toys
- Find *safe* play areas for children to play.
Childhood Lead Poisoning Prevention Week

- October 23-27, 2017
- Theme: Healthy homes, food, play areas protect your children from lead
- Outreach events at Mexican Consulate, VMC clinics, SCC Government Center, social media messaging, Information dissemination throughout October

Did you know #LeadPoisoning harms children? Learn more during #ChildhoodLeadPoisoningPrevention Week @ www.cdph.ca.gov/programs/CLPPB
Thank You!

The Childhood Lead Poisoning Prevention Program

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Web Resources

- Centers for Disease Control
  - http://www.cdc.gov/nceh/lead

- California Department of Public Health
  - http://www.cdph.ca.gov/programs/clppb/Pages/

- Santa Clara County CLPPP

- Environmental Protection Agency
  - http://www.epa.gov/lead

- Get the Lead Out Coalition of the Bay Area
  - http://getleadout.org

- Consumer Product Safety Commission: Recalled Consumer Products

- California Food and Drug Administration: Recalled food
  - www.dhs.ca.gov/fdb
Great Things Start with Good Health
Announcements
Join us on September 24 for a mental health summit focused on raising awareness around student life, dispelling myths about mental illness, and coping with stress! We have a host of incredible speakers and panelists that will draw attention to the nuances of this issue:

Dr. Stuart Slavin will speak about his experiences promoting student mental health, his groundbreaking research on how students cope with stress, and his suggestions that you can implement at home!

Vicki Abeles, co-director and producer of the award winning documentary Race to Nowhere, will speak about her work with the film as well as explain how the film addresses the underlying tension of competition throughout high school.

DATE AND TIME:
Sun. September 24, 2017
1:00 PM – 6:00 PM PDT
Add to Calendar

LOCATION
Santa Clara University
500 El Camino Real
Santa Clara, CA 95053
View Map

FRIENDS WHO ARE GOING
PER
Welcoming Week Celebration in Santa Clara County

Santa Clara County joins more than 150 communities across the United States to celebrate National Welcoming Week. Under the slogan “Connecting neighbors, serving communities,” Santa Clara County’s Office of Immigrant Relations (OIR) will host several activities beginning on September 15th. During this annual series of events, communities bring together immigrants, refugees, and U.S.-born residents to raise awareness of the benefits of welcoming everyone. It’s a time of immense challenges for the communities we serve, many of whom are living in fear. We are becoming polarized, and many Americans have been uprooted by the sense that they no longer belong. The values we stand for and the people we serve face grave threats. At the same time, many people are standing up for their neighbors and affirming that our country is a place for everyone, weaving together new and longtime residents so that we can all be part of the fabric of our shared future.

County of Santa Clara Welcoming Week Calendar

**Welcoming Week Display** at County of Santa Clara Government Center
Sep 15-24, 2017
8:00 a.m. to 5:00 p.m.
County Government Center
70 West Hedding St.
San Jose, California
First Floor, Breezeway

This display contains a welcoming banner, welcoming messages in different languages, immigration history highlights, cultural/ethnic decorations and much needed resources in many languages.

**Connecting Communities with Immigration Legal Services and Other Resources: Lawyers in the Library and Resource Tables**
Sep 15-24, 2017