

The background of the slide is a grayscale, high-contrast image of a young child's face, looking slightly to the left. The child's features are partially obscured by shadows, creating a somber and focused atmosphere.

# Southern Nevada Health District Childhood **Lead** Poisoning **Prevention** Program (CLPPP)

SNHD Board of Health Update  
05/22/08

Presented by  
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U.S. EPA Lead Inspector/Risk Assessor  
Project Coordinator, CLPPP

# SNHD CLPPP Overview:

5-Year CDC Grant

Determine the nature and extent of lead exposure in Nevada's children

Bonafide agent for State of Nevada

Develop in Clark County

## Past Accomplishments:

Strategic **A**dvisory **C**oalition  
(Community Participants)

Ongoing Surveillance System

Ongoing Environmental Investigations for  
EBLL's > 10

Case Management System

5 Year Elimination Plan

# CLPPP Interim Report

**Impact** of lead exposure on Child Development

**Screening data** for Clark County

**Lead sources** in Nevada

**Current** and **Future** Program Activities

Southern Nevada Health District ■ Childhood Lead Poisoning Prevention Program

## Interim REPORT

IN NEVADA, CHILDREN RUN BETTER UNLEADED



Centers for Disease Control and Prevention  
CDC-RFA-EH06-602  
Under CDC Grant #1 H64EH000145-01

An aerial night view of a city, likely Los Angeles, with mountains in the background. The city lights are visible, and the sky is dark. The text 'Current Program Activities' is overlaid on the image.

# Current Program Activities

# Screening

August 2006 – Dec 2007:

**16 Months**



**8561**



children screened

Jan – April 2008:

**4 Months**



**3435**



children screened

**UNLV / UMC**  
Joint Project

**4500**  
Children  
inc.  
uninsured  
underinsured




LeadCare II machine  
approved:

700+

children  
screened





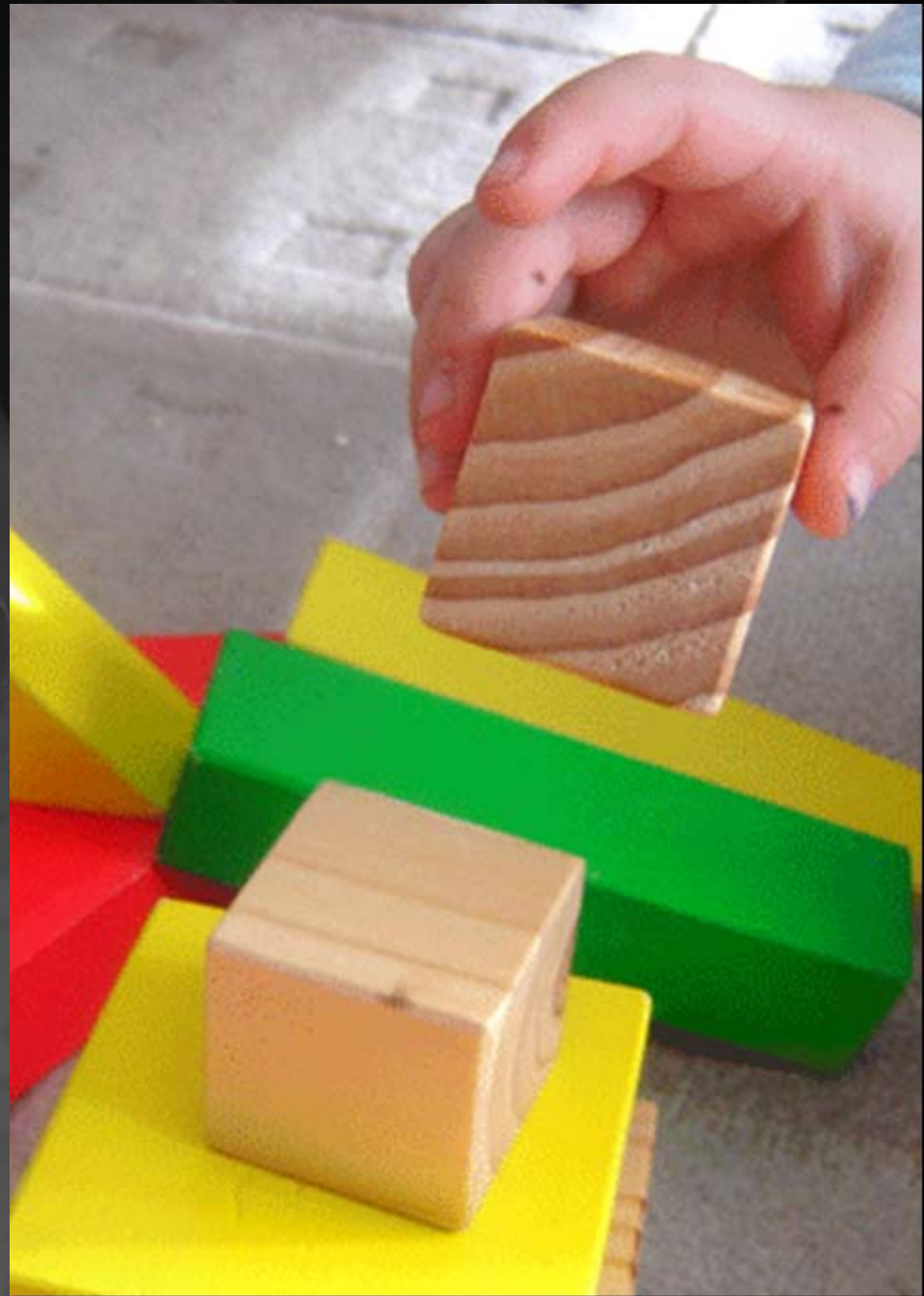
**Pre-1978 Childcare Facility**  
**Primary Prevention**  
**(Environmental Health)**

**109** Pre-1978  
Childcare Centers

**39** Pre-1978  
Childcares completed  
to date.

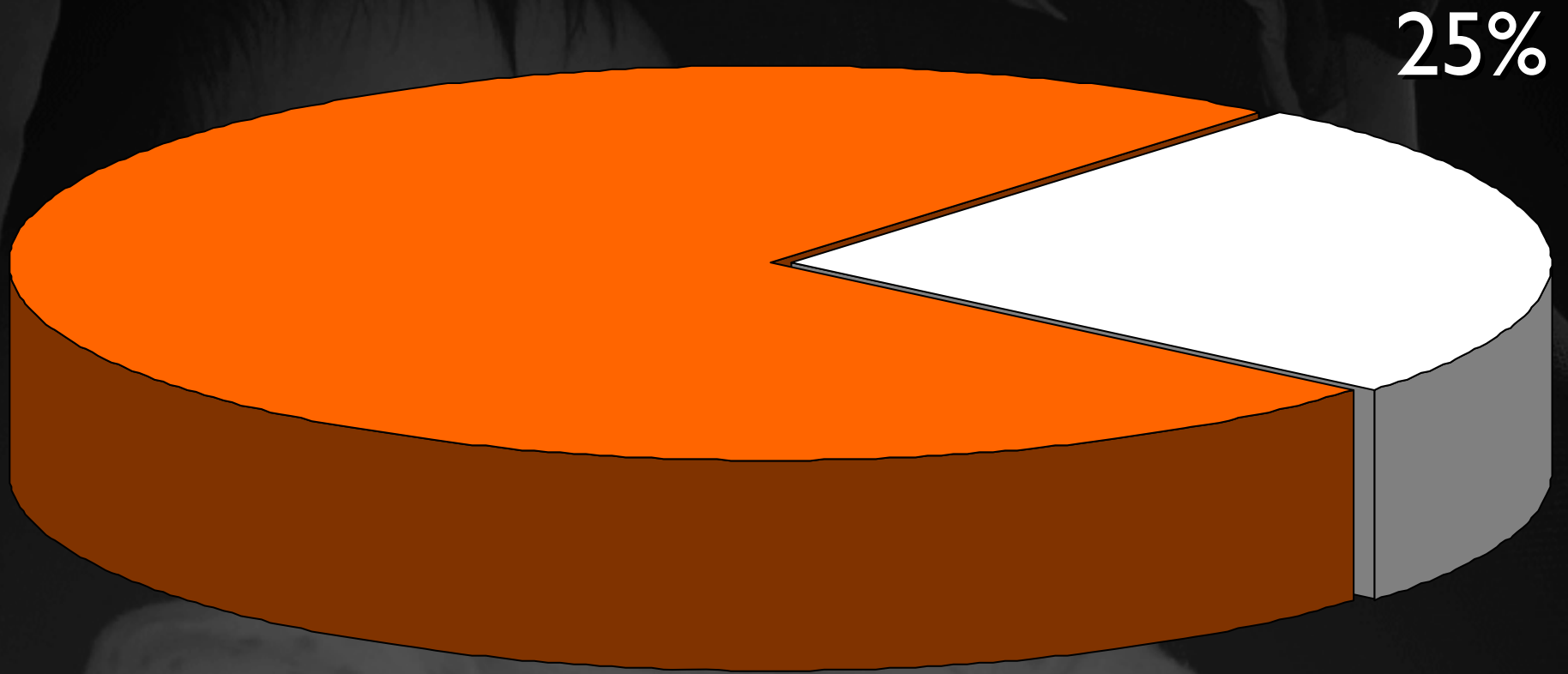
**24** had sources of  
Lead exposure.

**18** of those were  
by non-traditional  
sources.



Screening toys in  
Childcare Facilities  
with XRF





75%

25%

■ Paint ■ Non-Traditional



# UNLV Housing-Based Primary Prevention

# Dec 2007: Joint UNLV/SNHD press release

64 Completed

24 Lead Hazards

39 Potential  
Lead Hazards

## Media Center

University of Nevada, Las Vegas

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## NEWS RELEASES

Wednesday, December 12, 2007  
CONTACT : [Tony Allen \(702\) 895-8833](mailto:Tony.Allen@unlv.edu)

### UNLV, HEALTH DISTRICT TEAM UP TO OFFER FREE HOME INSPECTIONS FOR LEAD-BASED PAINT

PROJECT IS PART OF STATEWIDE CHILDHOOD LEAD POISONING PREVENTION PROGRAM



UNLV's School of Public Health and the Southern Nevada Health District are teaming up on a new project aimed at preventing harmful lead exposure in children--one home at a time.

As part of the statewide Childhood Lead Poisoning Prevention Program, UNLV and the health district will be conducting free and voluntary lead-based paint inspections in homes built prior to 1978 throughout the Las Vegas Valley.

Exposure to lead-based paint, used widely in homes built prior to 1978, occurs as the paint deteriorates and peels or flakes. The deteriorated paint creates dust that people, especially children, get on their hands and into their bodies. With approximately 170,000 pre-1978 homes in Las Vegas, lead-based paint as a source of potential contamination has become a primary focus of investigation for researchers and health officials.

"Lead poisoning in children is completely preventable, and our goal is to identify and remediate sources before a child is poisoned," said Shawn Gerstenberger, associate professor and chair of the Department of Environmental and Occupational Health within the UNLV School of Public Health. "This project will help us gain a better understanding of local sources of lead-contamination and enables us to focus our efforts on issues specific to Southern Nevada."

Lead poisoning results from the gradual accumulation of lead in bone and tissue after repeated exposure to contaminated materials including lead-based paint, soil, household dust, pottery and cookware. Children absorb lead more easily than adults, making them particularly susceptible to the adverse effects of lead. In children six and younger, lead poisoning can cause learning disabilities and behavioral problems and, at very high levels, seizures, coma and even death.

The home inspections will consist of a surface-by-surface investigation using a handheld X-ray fluorescence (XRF) machine, which detects lead in paint, dust and soil. The entire process lasts approximately an hour and is non-invasive. If a home is found to contain lead-based paint, investigators will work with the homeowner to determine the best course of remediation. Strategies depend on many factors and range from cleaning and maintenance in minor instances to door and window replacement, paint stabilization techniques and renovation in more severe cases.

The initial phase of the project will continue through June 2008. To schedule an inspection, contact the Southern Nevada Health District at (702) 759-1283. Homeowners who need more information on the age of their residence can visit the Office of the Clark County Assessor's website, [www.co.clark.nv.us/assessor/](http://www.co.clark.nv.us/assessor/).

The Childhood Lead Poisoning Prevention Program began in 2006 as the result of a grant to the Southern Nevada Health District from the Centers for Disease Control and Prevention. The program is a partnership between the health district, UNLV and the Nevada Center of Environmental Health Surveillance and includes assessment of lead levels in local residences, protocol development and testing of environmental samples. Research already conducted by the UNLV School of Public Health and the Southern Nevada Health District has led to the removal of lead-tainted candy from store shelves in Southern Nevada.



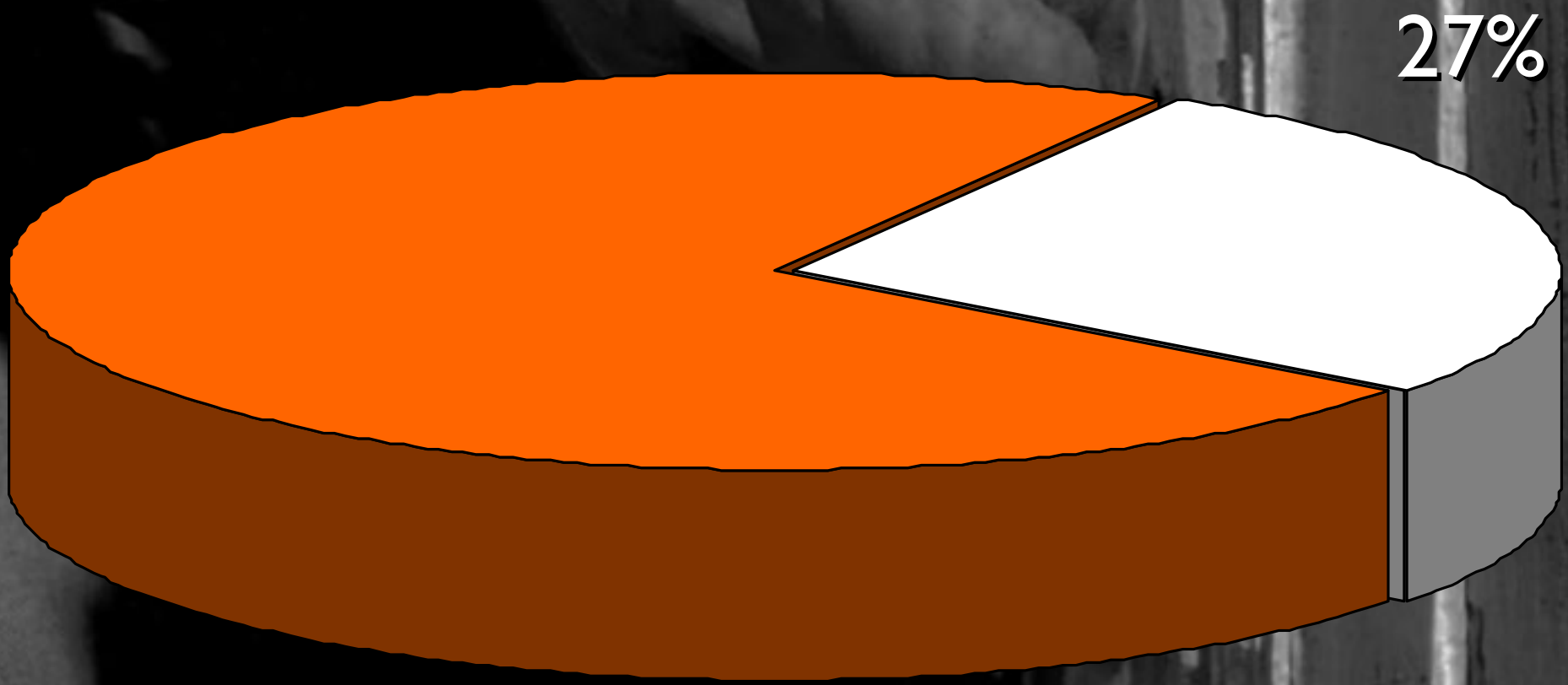
## NEWS RELEASE ARCHIVE

- |        |        |
|--------|--------|
| • 2007 | • 2000 |
| • 2006 | • 1999 |
| • 2005 | • 1998 |
| • 2004 | • 1997 |
| • 2003 | • 1996 |
| • 2002 | • 1995 |
| • 2001 | • 1994 |

UNLV

Search UNLV





73%

27%

■ Paint ■ Non-Traditional

An aerial night view of a city with mountains in the background. The city lights are visible, and the mountains are silhouetted against the dark sky. The text is overlaid on the center of the image.

# Community-based Primary Prevention

# Development of consistently themed educational materials in English and Spanish

Keep Your  
**Child**  
**Safe**  
from Lead

SOUTHERN NEVADA HEALTH DISTRICT

**Get the lead out**

Call **759-1283**  
for information

In Clark County, **one in four** kids 6 years or younger is exposed to lead.

Your child may be exposed to lead from many sources:

- imported products such as candy, jewelry and toys
- some imported pots, dishes and ceramics
- home remedies used to treat upset stomach or "empacho"
- soil
- chipped or peeling paint from homes built before 1978
- dust created from remodeling homes built before 1978

**Ask your doctor** to test your child at 12 and 24 months or before the age of 6 years if he/she has never been tested.

Supported by Grant/Cooperative Agreement Number 5H56 EH000143-02 from the Centers for Disease Control and Prevention (CDC). The contents are solely the responsibility of the authors and do not necessarily represent the official view of the CDC.

**Public** Service  
Announcements

**Radio**  
Interviews

**Television**  
Appearances



# Presentations and Health Fairs

American Industrial Hygienists Association  
Nevada Association of Code Enforcement

Lead Safe Work Training Health Fair

LUCES Health Fair

Southern Nevada Immunization Coalition  
Healthfair Community Health Planning Day

Reformation Church Health Fair

Urban League discussions as lead in the

African American community

Southwest Medical Associates  
Quarterly Staff meeting

Clark County School District  
School Nurses

Southern Nevada Association for the  
Education of Young Children (NV AEYC)

S. Nevada Infants, Women, & Children  
(WIC)

Bus Stop  
Campaign  
June 2008

Urban Las Vegas  
**high-risk** areas



**Saque  
el plomo**

En el condado de Clark, uno de cada cuatro niños de 6 años o menor es expuesto al plomo.

Su niños puede ser expuesto al plomo de varias fuentes:

- pintura que se este desconchando en casas construidas antes de 1978
- polvo creado cuando se remodelan casas construidas antes de 1978

Pídale a su doctor que le haga la prueba a su niño o niña a los 12 y 24 meses o antes de la edad de 6 años si nunca se le ha hecho la prueba.

Para más información llame al  
**759-1283**

  
AHEC

An aerial night view of a city, likely Los Angeles, with mountains in the background. The city lights are visible, and the overall scene is dark with some highlights from the city's illumination.

# Faith-based Primary Prevention

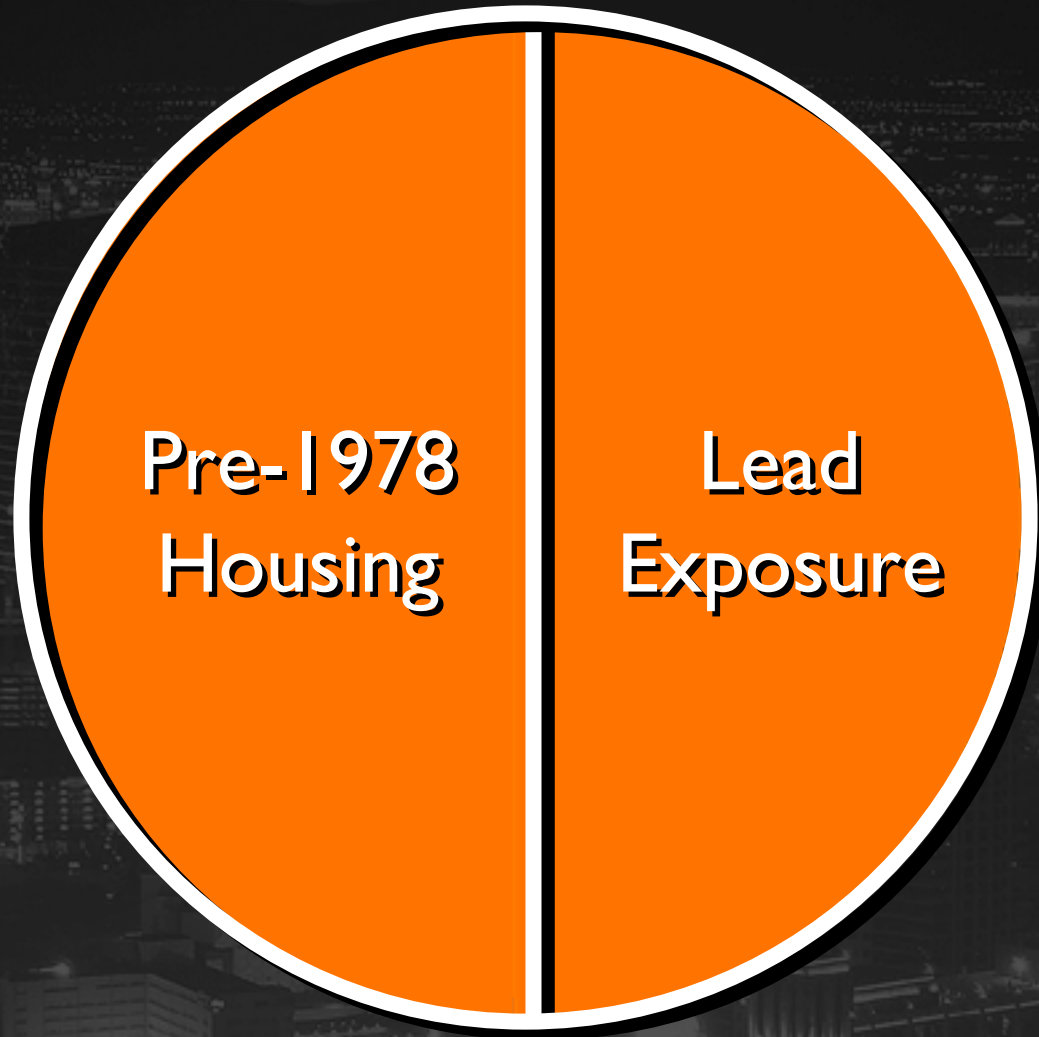
Houses of Worship  
in  
target zip codes



Developed a  
**Database** and **GIS map**  
of all Houses  
of Worship in  
**target zip codes**



# Target Zipcodes





# Healthcare Provider Education and Outreach

# HealthInsight

Informational correspondence  
to Clark County physicians

Development of Online CME course and  
presentation of live CME courses

Southwest Medical Associates  
Quarterly Staff meeting

CCSD School Nurses

Southern Nevada Association for  
the Education of Young Children

So. Nevada Infants  
Women, & Children





# Short-Term Future Plans

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Expansion based on Infrastructure

EPA Regions 9 & 10 Lead Conference

**2008**  
**EPA Regions 9&10**  
**Lead Conference**  
**Las Vegas, NV**

Centers for Disease Control and Prevention (CDC) Presents

**2008 Western States Regional Childhood  
Lead Poisoning Prevention Meeting**

Las Vegas Hilton Conference Center  
Las Vegas, NV  
June 9-11, 2008

**Nearing the Finish Line:  
Transitioning from Lead Poisoning Elimination to Healthy Homes**



An aerial night view of a city, likely Los Angeles, with mountains in the background. The city lights are visible, and the overall scene is dark with a blueish tint. The text is overlaid on the center of the image.

# Long-Term Future Plans



# Long-Term Future Plans

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Continue expansion based on Infrastructure

Statewide Expansion

Healthy Homes

Legislative Initiatives

# Statewide Expansion

State of Nevada authorized SNHD to **develop** a CLPP Program.

CDC requires **statewide expansion** as part of the grant.

Northern Nevada to **begin developing** contacts.



An aerial night view of a city, likely Los Angeles, with the Hollywood sign visible on a hillside. The city lights are visible against the dark sky, and mountains are in the background. The text 'Transition to Healthy Homes' is overlaid on the image.

# Transition to Healthy Homes

# Core Principles of a Healthy Home

- **Categorical Approach:**

- Allergens/asthma
- Asbestos
- Combustion products
- **Lead**
- Asthma
- Insects and Rodents
- Pesticides
- Injuries

- **Holistic Approach:**

- Dry
- Clean
- Pest-free
- Ventilated
- Safe
- **Contaminant-Free**
- Maintained

An aerial night view of a city with mountains in the background. The city lights are visible, and the mountains are silhouetted against the dark sky. The text is overlaid on the center of the image.

The **natural progression** of a CLPPP  
is the **transformation** into a  
comprehensive **Healthy Homes** Program.

An aerial night view of a city, likely Las Vegas, with numerous illuminated buildings and a mountain range in the background. The image is dark, with the city lights providing the primary illumination.

# Legislative Initiatives

# Legislative Initiatives

Legislative Committee on  
HealthCare

-Working together to draft  
language

Testing children at 12+24  
months or before age 6  
during periodic health  
assessment. (e.g. Medicaid)

Lead testing of pregnant  
women.



# Legislative Initiatives

Laboratories reporting in a timely manner and supplying adequate demographic info.

Electronic reporting from laboratories.

Healthy Homes enabling legislation.



