



Environmental Health I

Session 3

Leader SALTA



EHC Mission Statement

**We organize and advocate to
protect the public health and
the environment threatened by
toxic pollution.**

Health



Government



Corporate Accountability



SALTA



Environmental Health, Leaders Taking Action

**(Salud Ambiental,
Líderes Tomando Acción)**

Healthy Environment

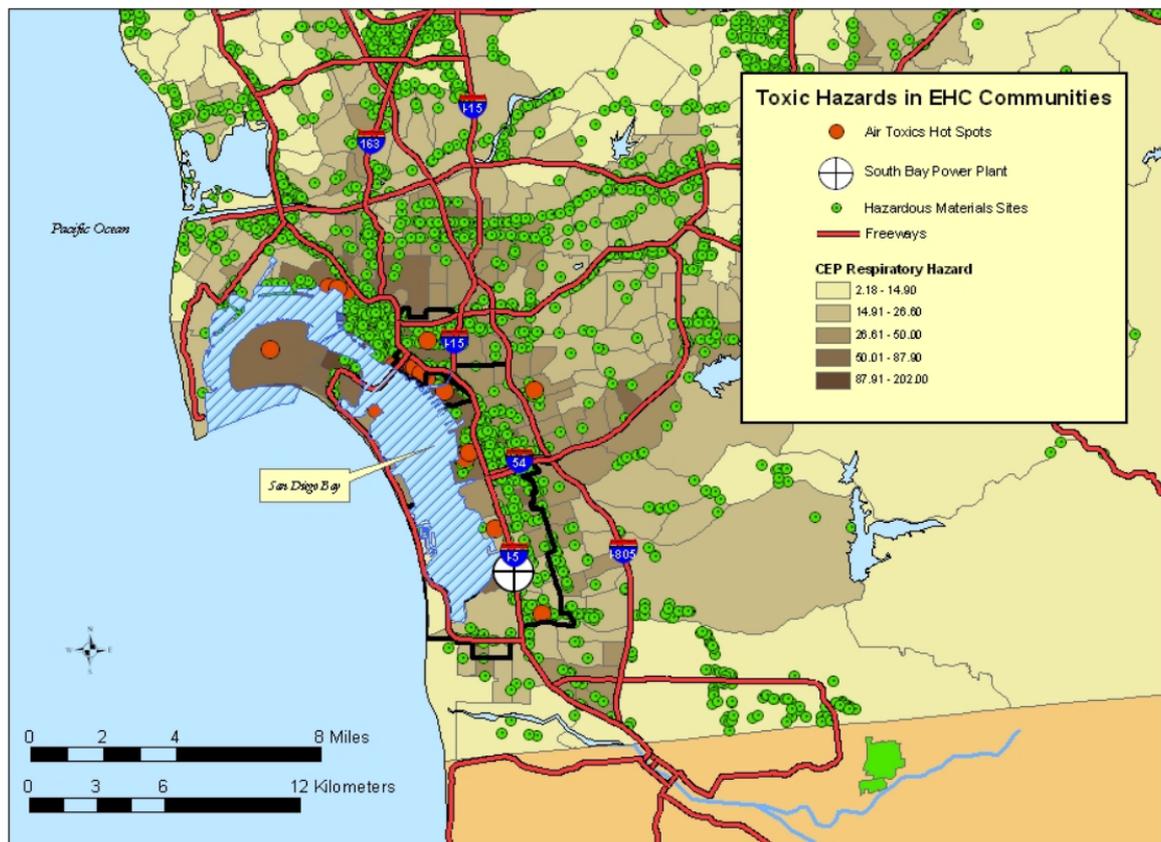


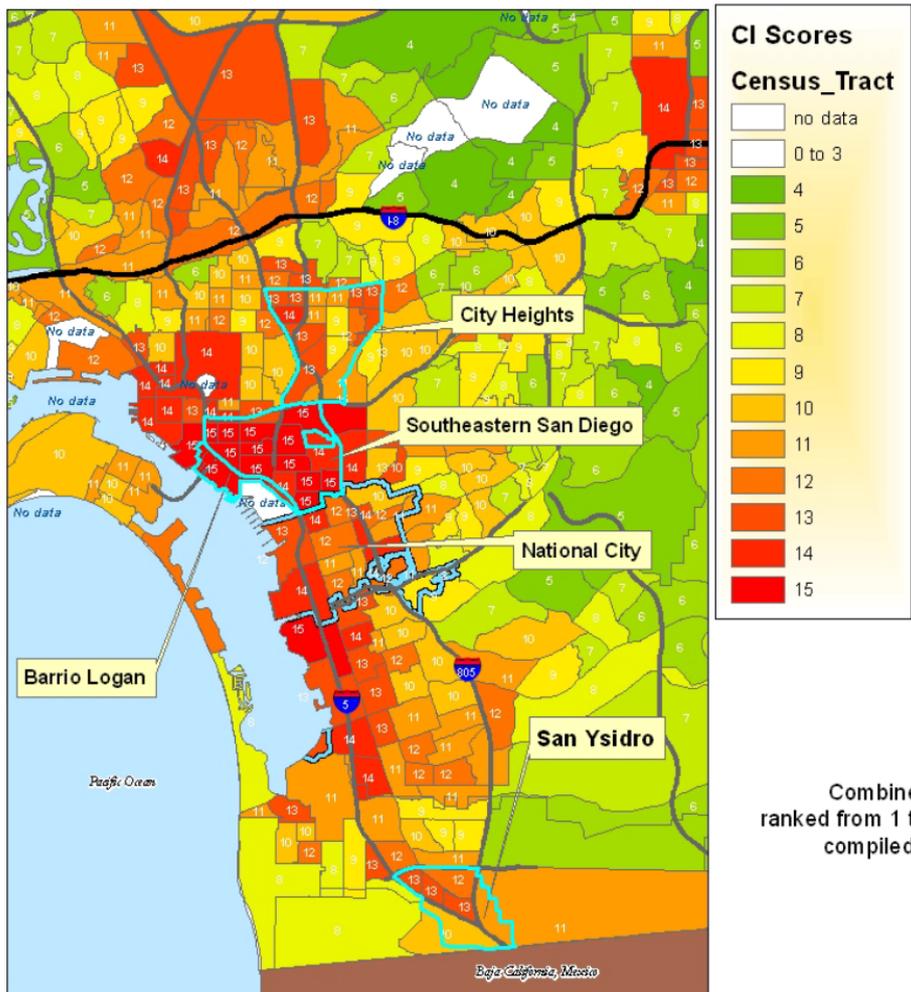
NOT Healthy Environment



Environmental Health Definition







Combined cumulative impacts indicators, ranked from 1 to 15 (Least impacted to most impacted) compiled at the census tract level. DRAFT.







OLSON SECURITY

ENGINEERED FOR GREATER PROTECTION AGAINST BREAKDOWN

Castrol GTX

SAFETY

WEST COAST
AUTOMOTIVE
West coast
774-0777
Castrol
THE TECHNOLOGY LEADER

NAPA AutoCare Center
We install Quality NAPA Parts

WIPER CENTER
Wiper Blades & Wiper Installation

TOW AWAY
If Mechanical Failure or Other Cause
Call 24 Hours
2490 984-2887
Castrol Auto Parts Store

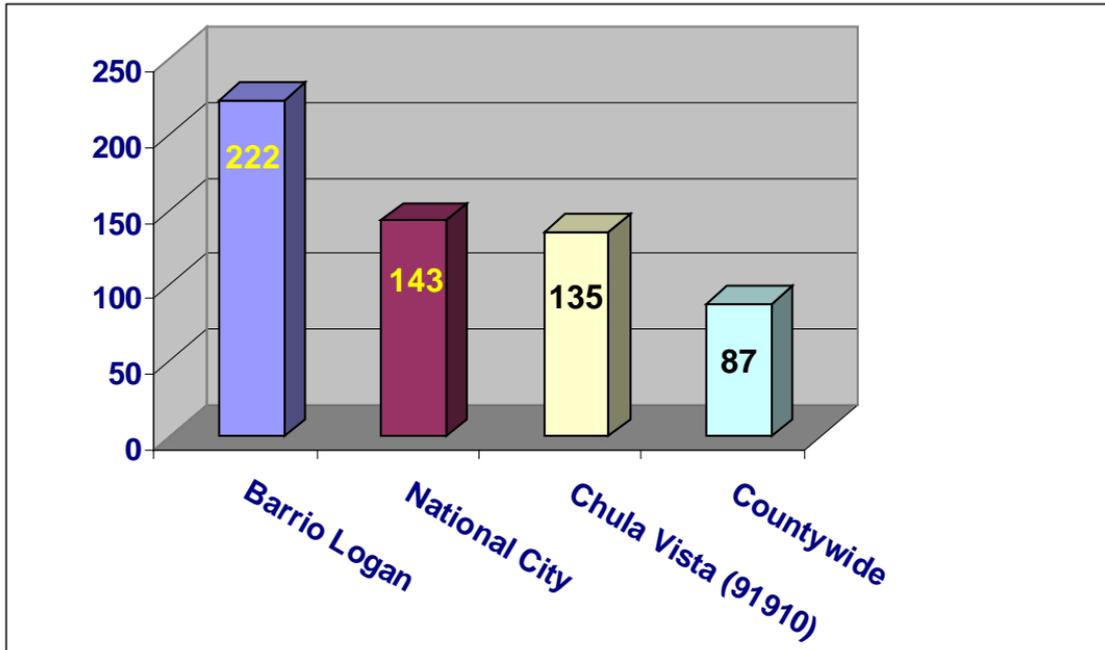
Routes of Exposure



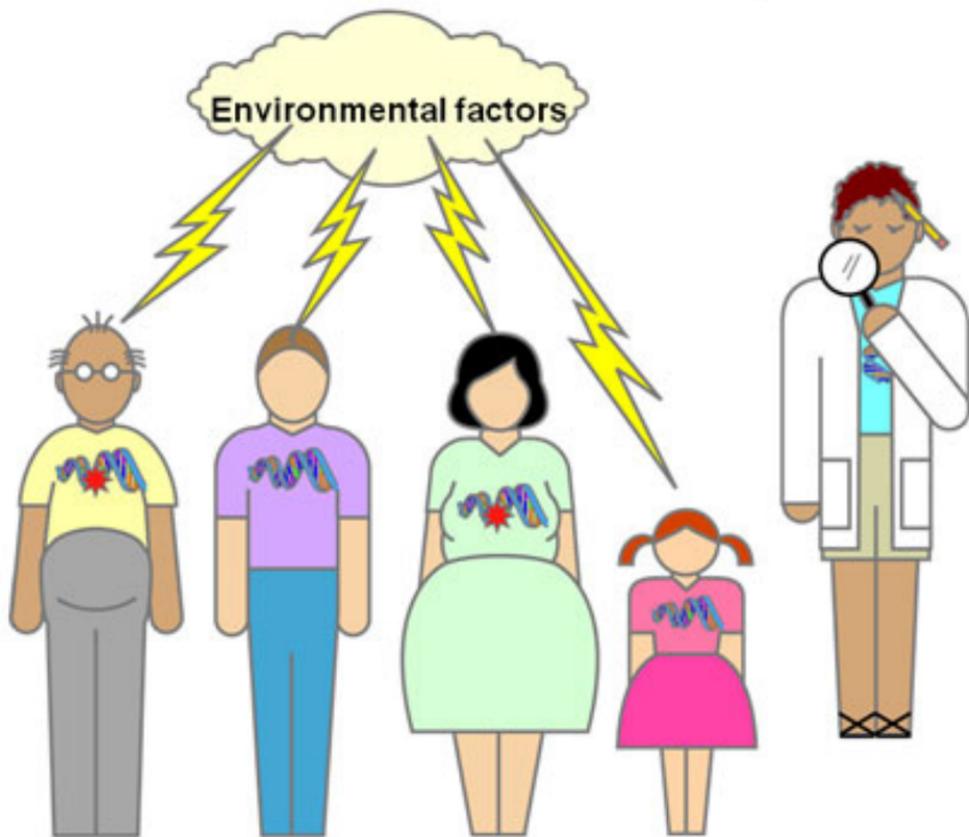
Asthma-Related Hospitalizations

Children 0-17 in 2008

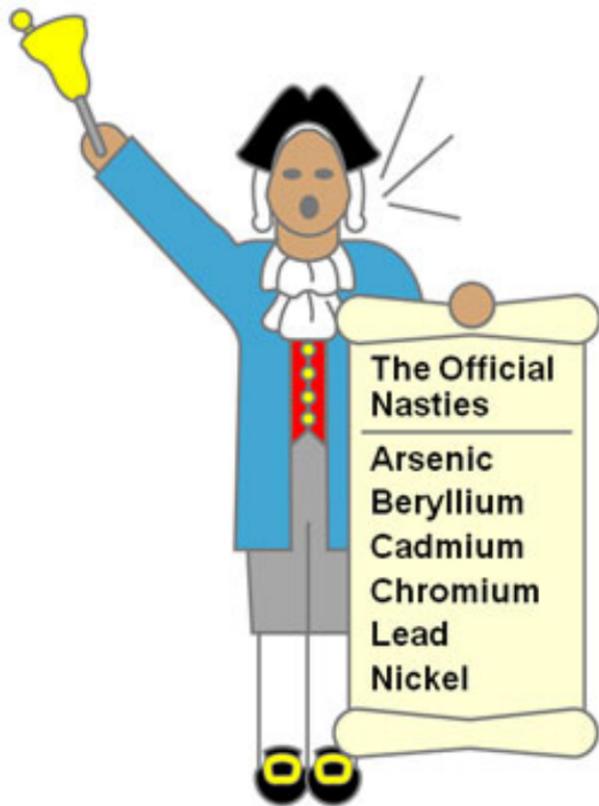
Numbers per 100,000



Chance of Cancer? It Depends...

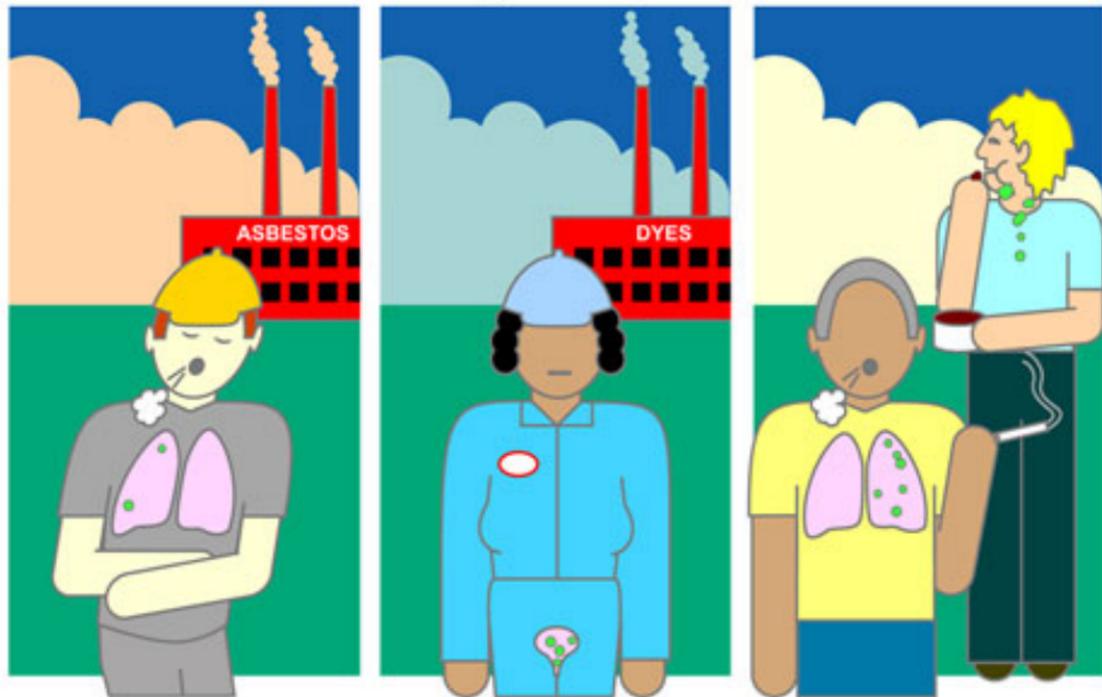


Environmental Carcinogens: The “Nasties” Lineup



Different Exposures, Different Rates and Risks

Carcinogenic Exposures



■ = cancer

We now take you to Betty's Nail and Hair Salon...



Prop 65 Warning

**This area contains
a chemical known
to the state of
California to
cause cancer and
birth defects or
other reproductive
harm.**

**Esta área contiene
un componente
químico que se
conoce en el estado
de California como
causante de cáncer
y defectos
congénitos y otros
daños al sistema
reproductor.**

CAUTION

Hazardous Materials in Use MSDS Information

RIGHT TO KNOW UNDERSTANDING MATERIAL SAFETY DATA SHEETS

1. IDENTIFICATION

2. INGREDIENTS

3. HAZARDS IDENTIFICATION

4. FIRST AID

5. FIRE FIGHTING

6. ENTRY

7. SPILL/LEAK

8. SPECIAL PROTECTION

9. SPECIAL PRECAUTIONS

ARBORECHM MATERIAL SAFETY DATA SHEET

SECTION 1 - NAME & ADDRESS
ARBORECHM CORPORATION
ARBORECHM PRODUCTS CO.
717-756-6611
1000 N. BROAD ST.
P.O. BOX 1000
PITTSBURGH, PA. 15206

SECTION 2 - INGREDIENTS
Proprietary components effective for purposes claimed
SARA hazard (Section 311/313): None noted
Title III Section 313: not listed

SECTION 3 - PHYSICAL DATA
Molecular Weight: 420-430
Boiling Point: 100-110 °F
Melting Point: 100-110 °F
Vapor Pressure: 0.1-0.2 mm Hg
Flash Point: 100-110 °F
Auto-ignition Temp: 100-110 °F
Explosion Limits: 100-110 %

SECTION 4 - HAZARD IDENTIFICATION
Hazardous Components: Compressed Gas - Flammable NOS
Common Name: HC-12a
Trade Secret: HC-12a/HC-22a
Compressed Hydrocarbon Mixture

SECTION 5 - REACTIVITY DATA
Stability: Stable under normal conditions
Reactivity: No reaction with water, acids, bases, oxidizing agents, reducing agents, or other materials

SECTION 6 - TOXICOLOGICAL INFORMATION
Hazardous Materials: HC-12a
Toxicity: Irritant
LD50: 1000 mg/kg (oral, rat)

HC-12a/HC-22a MATERIAL SAFETY DATA SHEET

Complies with OSHA Communication Standard 29 CFR 1910.1200 (Department of Labor)

IDENTITY: HC-12a
HC-22a

Compressed Gas - Flammable NOS
Liquid Petroleum
UN 1052 Class 2

24-Hour Emergency Telephone Number
(981) 756-5087

Section I - Manufacturer's Name
OE Technology, Inc.
10278 N. Church Rd.
Rahmton, ID 83656, U.S.A.

Section II - Hazardous Ingredients / Identify Information
Hazardous Components (Specific Chemical Name):
Trade Secret - HC-12a/HC-22a
Compressed Hydrocarbon Mixture

Section III - Physical / Chemical Characteristics
Boiling Point: 100-110 °F / HC-22a - 100-110 °F
Vapor Pressure (PSIG): 10-15 PSIG / HC-22a: 10-15 PSIG
Vapor Density (Air = 1): 1.75

Section IV - Fire and Explosion Hazard Data
Flash Point (Method Used): Not Determined
Flammable Limits: % Upper 6.0; % Lower 1.0
LFL: N/A
UFL: N/A

Section V - First Aid and Spill/Leak Procedures
First Aid: If inhaled, move to fresh air. If eye contact, flush with water for at least 15 minutes. If skin contact, wash with soap and water. If ingestion, do not induce vomiting.
Spill/Leak: Evacuate area. Wear protective clothing and self-contained breathing apparatus. Use water spray to cool fire-exposed containers.

SECTION I - IDENTIFICATION
Product Name: OnOut™ Algae and Mold Stain Remover
Supplier's Name: OnOut
Address (City, State, Zip): 37654 Amrhein, Livonia, Michigan 48150, USA
Manufacturer's Name: OnOut
Address (City, State, Zip): 37654 Amrhein, Livonia, Michigan 48150, USA
Emergency Telephone Number: 1-800-442-7258

SECTION II - INGREDIENTS
Ingredients: WT Percent CAS #
Sodium Bicarbonate 40-50 14862
Sodium Carbonate 10-15 57-19-8

SECTION III - HAZARDS IDENTIFICATION
Potential Health Effects: Irritating to mucous membrane, eyes and skin. May cause skin irritation.
General: Irritating to the respiratory tract. Coughing, sneezing, difficulty breathing and sore throat.
Eye Contact: May cause irritation to the eyes, including pain, redness, and reversible damage.
Skin Contact: Slight irritation.
Ingestion: Vomiting and diarrhea.

SECTION IV - FIRST AID MEASURES
Inhalation: Move the affected person to fresh air. Seek medical attention if effects persist.
Eye Contact: Flush eyes with running water for at least 15 minutes with eyelids held open. Seek specialist for advice.
Skin Contact: Wash affected skin with soap and mild detergent and large amounts of water. If the person is conscious and not convulsing, give 2-4 cupfuls of water to dilute the chemical and seek medical attention immediately. Do not induce vomiting.
Ingestion: If the person is conscious and not convulsing, give 2-4 cupfuls of water to dilute the chemical and seek medical attention immediately. Do not induce vomiting.

SECTION V - FIRE FIGHTING MEASURE
Flash Point: Not applicable
Flammability: Not applicable
Ignition Temperature: Not applicable
Danger of Explosion: Non-explosive
Extinguishing Media: Water
Fire Hazards: Oxidizer. Storage vessels involved in a fire may vent gas or rupture due to internal pressure. Damp material may decompose exothermically and ignite combustibles. Oxygen released due to exothermic decomposition and may support combustion. May ignite other combustible materials. Avoid contact with incompatible materials such as heavy metals, reducing agents, acids, bases, combustibles (wood, papers, clothing, etc.) Thermal decomposition releases oxygen and heat. Pressure bursts may occur due to gas evolution. Pressurization if confined when heated or decomposing. Containers may burst violently.
Fire Fighting Measures: Evaluate as non-essential personnel. Wear protective clothing and self-contained breathing apparatus. Use water spray to cool fire-exposed containers.

Prop 65 Warning



CALIFORNIA

PROPOSITION 65 WARNING

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm

CHILDREN AT RISK









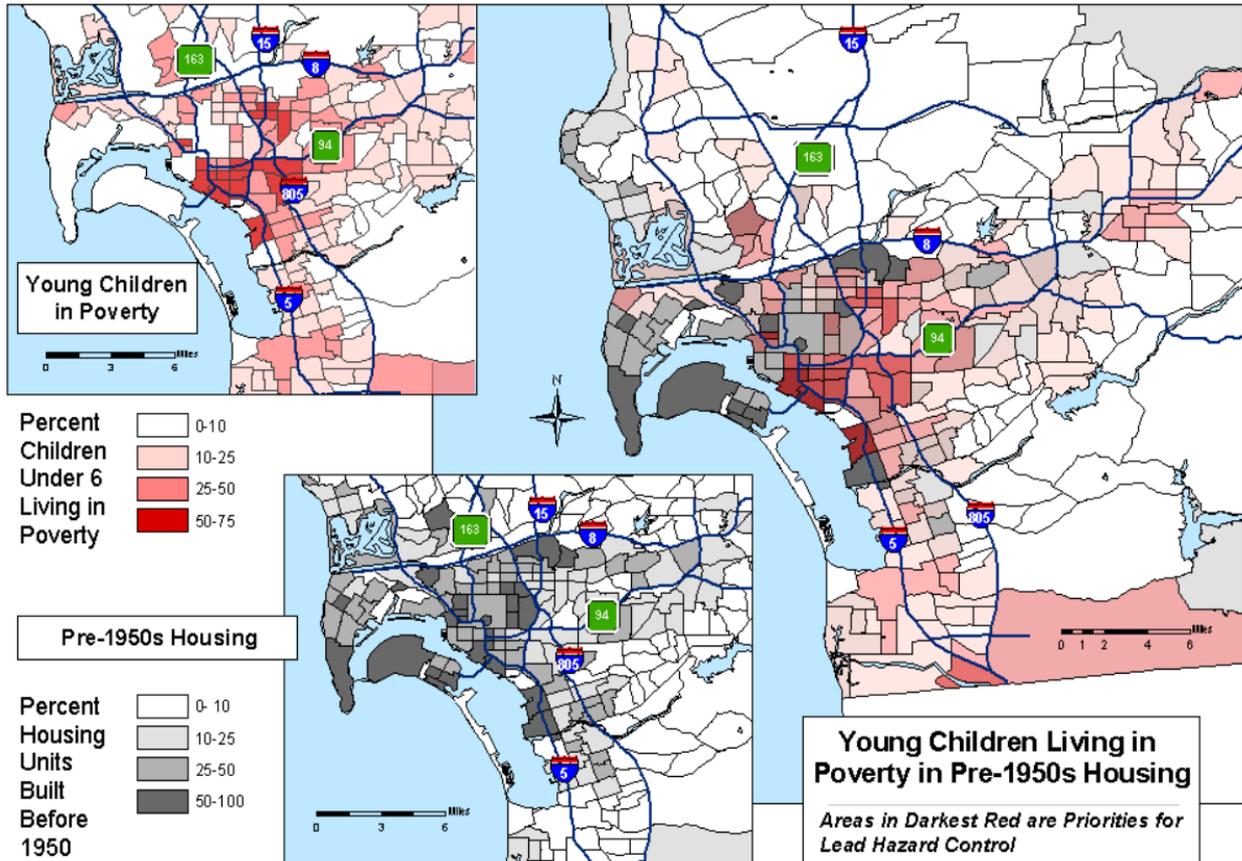












Children at Risk for Lead Poisoning San Diego

Source: Centers for Disease Control and Prevention, based on 1990 U.S. Census data
 Notes: Values are by census tract, Census tracts where children under 6 numbered < 20 excluded

Map by Environmental Health Coalition, 2002

Evaluation