



Salud Ambiental-primera parte

Sesión 3

SALTA Líder



Misión de EHC

**Organizamos y gestionamos
para proteger la salud pública
y el ambiente amenazados por
la contaminación tóxica.**

Salud



Gobierno



Responsabilidad corporativa



SALTA



(Salud Ambiental, Líderes Tomando Acción)

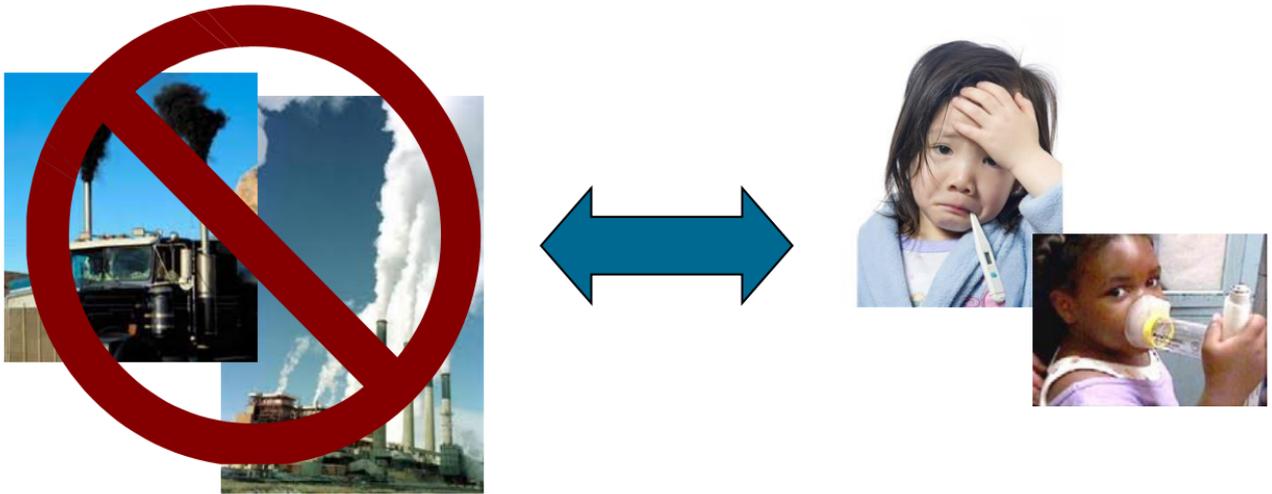
La Salud Ambiental

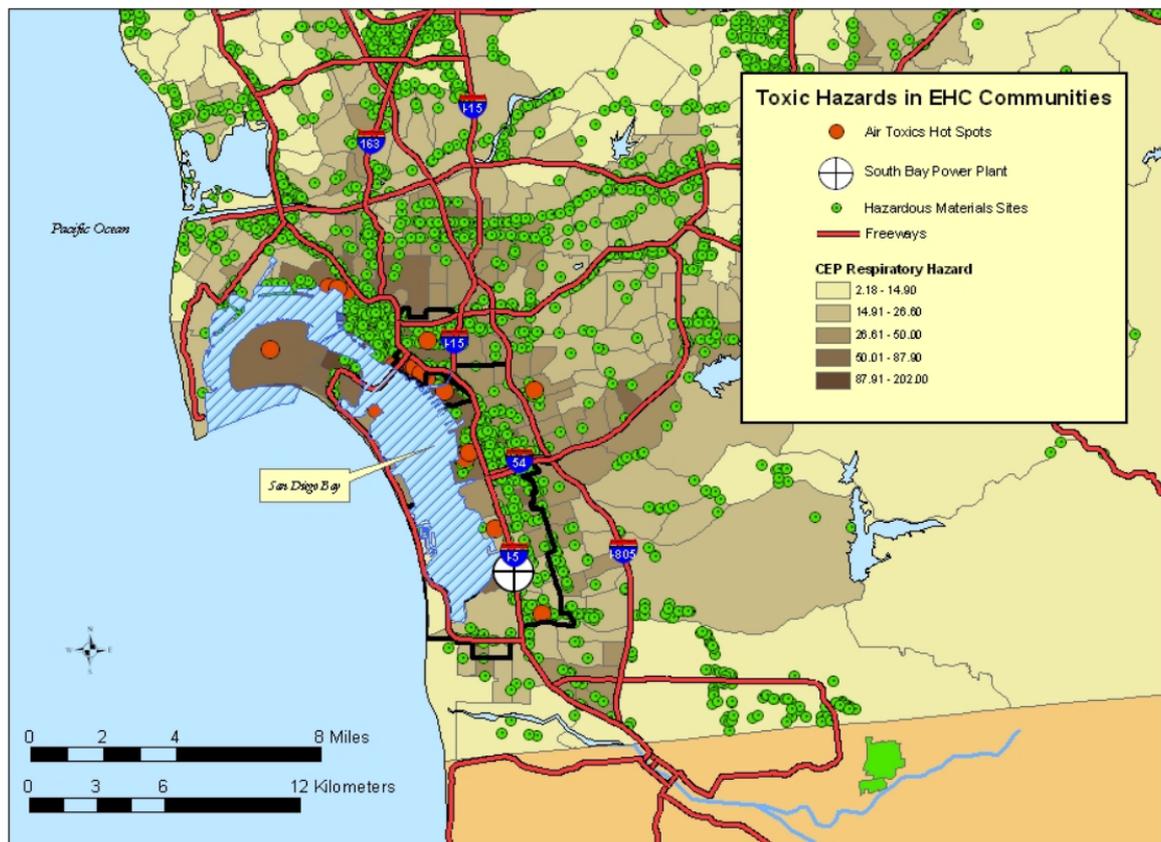


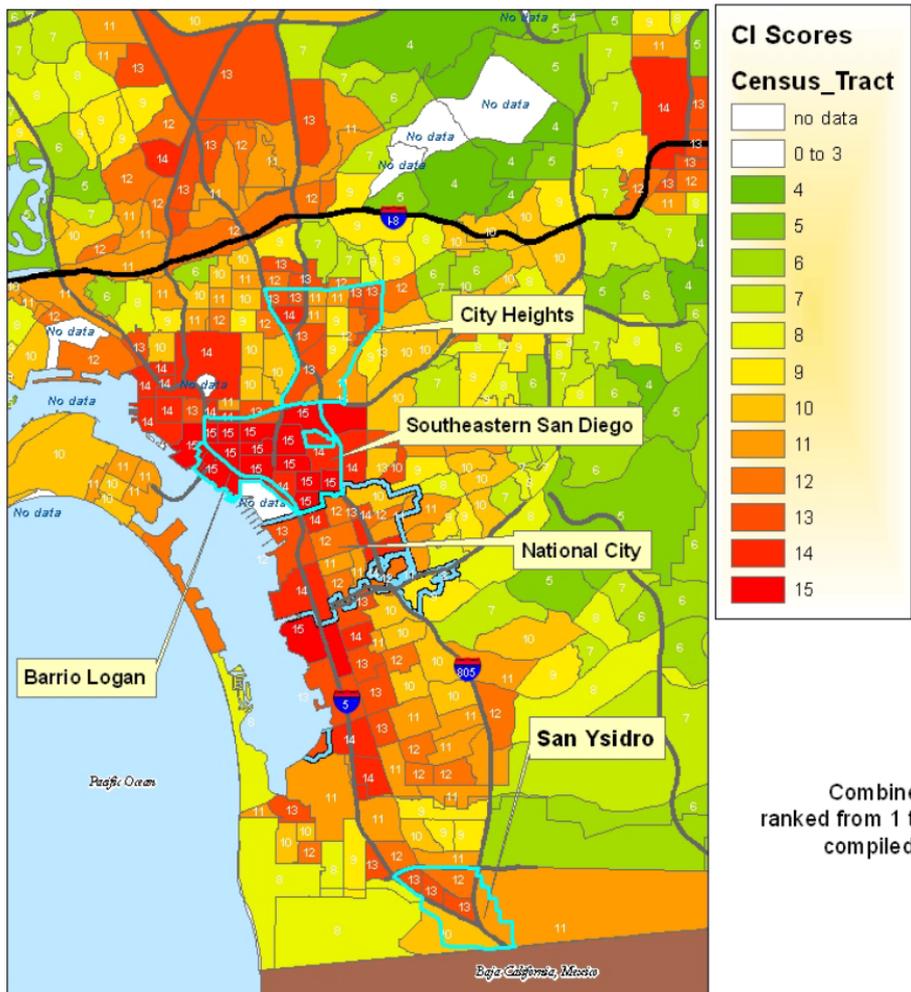
SIN Salud Ambiental



Definición de Salud Ambiental







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









ENGINEERED FOR
GREATER PROTECTION
AGAINST BREAKDOWN

Castrol

GTx

MOTOR OIL

WEST COAST
AUTOMOTIVE
West coast
474-0777

Castrol
THE TECHNOLOGY LEADER

NAPA AutoCare
Center
We Install Quality NAPA Parts

WIPER
CENTER

TOW AWAY
If You're Not Here
We'll Tow Your Car
To A Safe Place
T.O.C. 2006

KEEP US SAFE
VEHICLE REMOVAL
CALL 474-0777
Call Now For Help

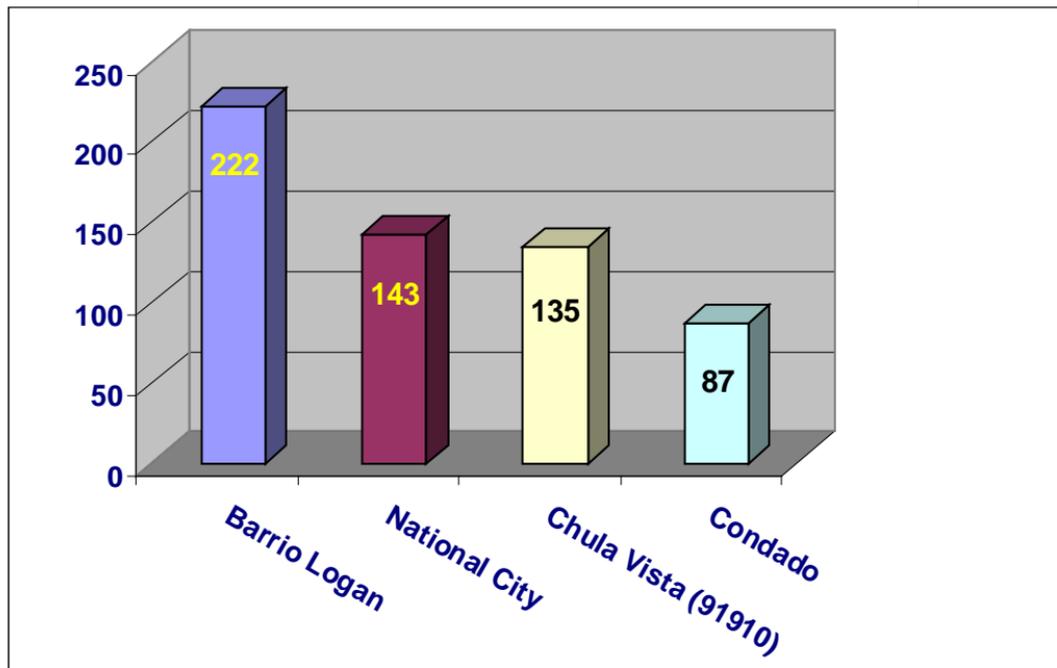
Vías de Exposición



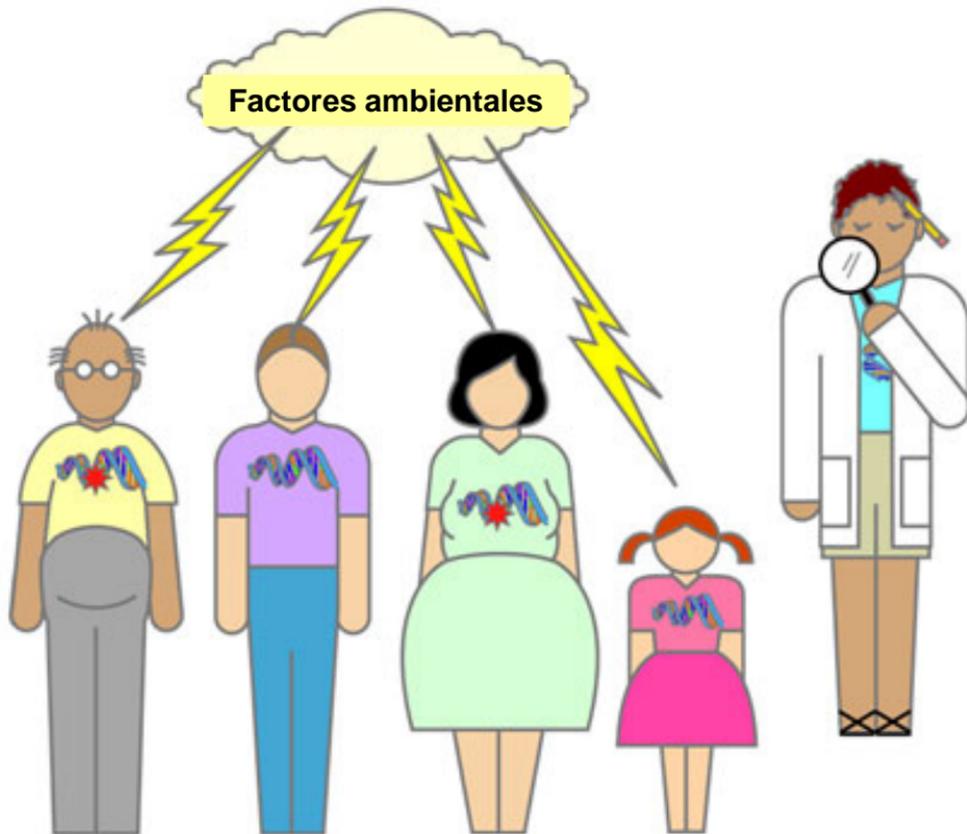
Hospitalizaciones relacionadas al asma

Niños de 0-17 años de edad en el 2008

Números por 100,000



¿Probabilidad de cáncer? Depende...

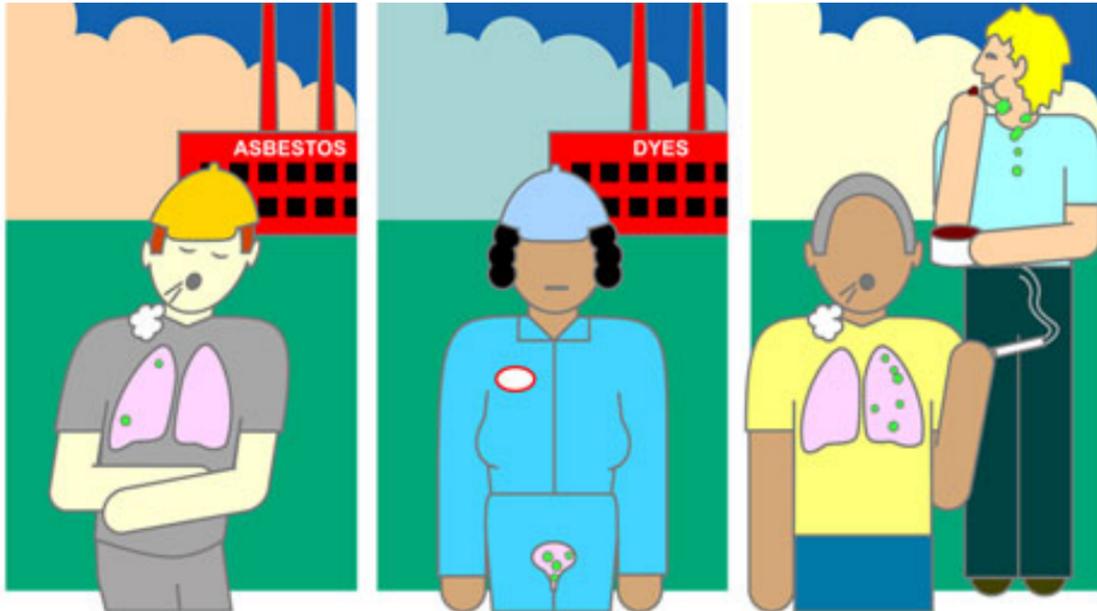


Carcinógenos del medio ambiente: La lista de los “dañinos”



Diferentes vías de exposición, Índices y riesgos diferentes

Exposición a los carcinógenos



■ = cáncer

La estética de Betty...



Advertencia de la Proposición 65

**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

ARBOCHEM MATERIAL SAFETY DATA SHEET

SECTION I - NAME & ADDRESS ARBOCHEM CORPORATION 242 JEFFERSON DR. SUNNYVALE, CALIFORNIA, CA 94085		DATE OF REVISION/FORM 7-7-76-6-61	
FOR LATEST DATA, SEE REVISIONS TO THIS SHEET March 27, 1991		REVISIONS TO THIS SHEET REVISIONS TO THIS SHEET	
CHEMICAL NAME: 1% ZINC WAXE AND 99% PETROLEUM-FREE BASAL SPRAYING OILS (Proprietary composite)			
SECTION 2 - INGREDIENTS		100 KA	
Proprietary composite effective for purposes stated MSA hazard (Section 311/312): None noted Title III Section 311: not listed			
SECTION 3 - PHYSICAL DATA			
1. SPECIFIC GRAVITY (20°C/68°F)	1.00-1.10	2. SPECIFIC GRAVITY (4°C/39°F)	0.88-0.89
3. VAPOR PRESSURE (mm Hg @ 20°C/68°F)	0.1	4. VAPOR DENSITY (AIR = 1)	0.7
5. SOLUBILITY IN WATER	Insoluble	6. pH (1% AQUEOUS SOLUTION)	Neutral
SECTION 4 - HAZARDOUS INGREDIENTS			
1. CAS NO. 2. CAS NAME 3. CAS NO. 4. CAS NAME 5. CAS NO. 6. CAS NAME			
SECTION 5 - HAZARDOUS DECOMPOSITION PRODUCTS			
SECTION 6 - REACTIVITY DATA			
STABILITY: <input type="checkbox"/> Stable <input type="checkbox"/> Unstable <input type="checkbox"/> Explosive <input type="checkbox"/> Incompatible			
SECTION 7 - TOXICOLOGY			
SECTION 8 - PHYSICAL AND CHEMICAL PROPERTIES			
SECTION 9 - SPECIAL PRECAUTIONS			

HC-12a/HC-2a

MATERIAL SAFETY DATA SHEET

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

IDENTITY: HC-12a HC-22a	Compressed Gas - Flammable HOS Liquid Petroleum Use 1988 Class 2	24-hour Emergency Telephone Number (909) 755-5087
SECTION I - IDENTIFICATION Manufacturer's Name OZ Technology, Inc. Address 13076 N. Church Rd. Redwood, CA 92366, U.S.A.	Emergency Telephone Number (909) 687-7000 Telephone Number or Telex Number (909) 687-7000 Date Prepared 01/11/88 Signature of Preparer (optional) Not Applicable	
SECTION III - Hazardous Ingredients / Identity Information		
Hazardous Components (Specific Chemical Identity, Generic Name) 1. HC-12a 2. HC-22a Compressed Hydrocarbon Mixture	OSHA PEL, ACGIH 1000 mg/m³	Other Limits Recommended 1800 mg/m³
SECTION III - Physical / Chemical Characteristics		
Boiling Point HC-12a: 20-25°F (HC-22a: 25°F)	Specific Gravity (A = 1) 0.88	
Vapor Pressure (mm Hg) HC-12a: 12 @ 70°F / HC-22a: 110 @ 70°F	Water Solubility Not Applicable	
Vapor Density (AIR = 1) 0.70	Explosive Limits (Mixture A = 1) Not Applicable	
Stability in Water Stable	Ignition Temperature (Method used: Normal Metal Surface) 1620°F	
Appearance and odor Colorless gas with natural gas odor	Auto-ignition Temperature 1620°F	
SECTION IV - Fire and Explosion Hazard Data		
Flash Point (Method Used) Not Determined	Flammable Limits Upper 8.0% / Lower 8.0%	LEL, UEL, NEL NR, NR, NR
Special Precautions Use a water spray to cool fire-exposed containers, structures, and to protect personnel. Shut off sources of flow. Do not extinguish fire if gas source cannot be shut off. Use water spray to disperse gas if vapor and to prevent personnel stamping to step a leak. Use water spray to disperse gas if vapor and to prevent personnel stamping to step a leak.		
Unusual Fire and Explosion Hazards Heavy concentrations of vapor may form flammable mixtures with air. Heavy concentrations of vapor or gas may spread to distant ignition sources and flame back. Vapor or gas may accumulate in low or confined places. Containers when exposed to flame or high temperature sources. Containers may rupture when heated above their rated pressure volume.		

SECTION I - IDENTIFICATION Product Name On/Out™ Algal and Mold Stain Remover Supplier's Name Outlands Address (City, State, Zip) 37654 Amrhein, Livonia, Michigan 48150, USA Manufacturer's Name Outlands Address (City, State, Zip) 37654 Amrhein, Livonia, MI 48150, USA Emergency Telephone Number 1-800-442-7258		
SECTION II - INGREDIENTS		
Ingredients	WT Percent	CAS #
Sodium Bicarbonate	40-50	148-08-1
Sodium Carbonate	10-15	97-19-8
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.	
Inhalation	May cause irritation to the eyes, including pain, redness, and reversible damage.	
Eye Contact	Irritation	
Skin Contact	Irritation	
Ingestion	Irritating 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 irritation persists seek medical attention.	
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	Evacuate all non-essential personnel. Wear protective clothing and self-contained breathing apparatus. Use water spray to cool fire exposed containers.	

Advertencia de la Proposición 65



NIÑOS EN RIESGO









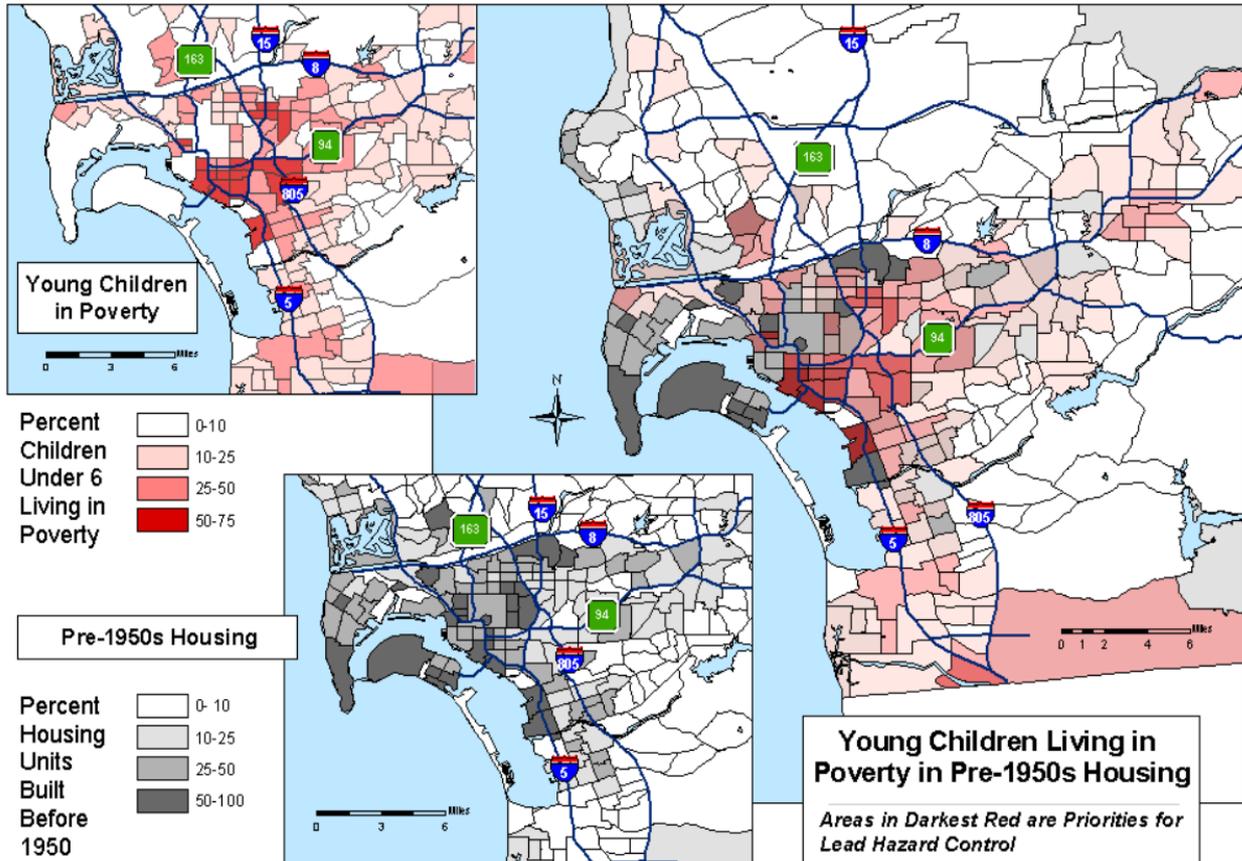












Niños en riesgo de envenenamiento por plomo

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

Evaluación