



# Health, Environment & Community Engagement Committee

Health Department  
October 6, 2014



# What is lead poisoning?

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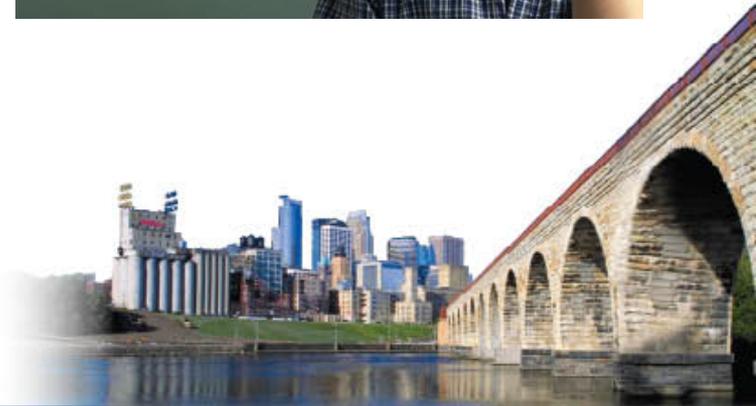
- Significant public health crisis
- 100% preventable
- Affects the brain, liver, heart, kidney and digestive systems
- Irreversible neurological damage
- Dangerous to young children
  - Due to significant brain development
  - Exposure- hand to mouth behavior



# Lead poisoning and academic achievement

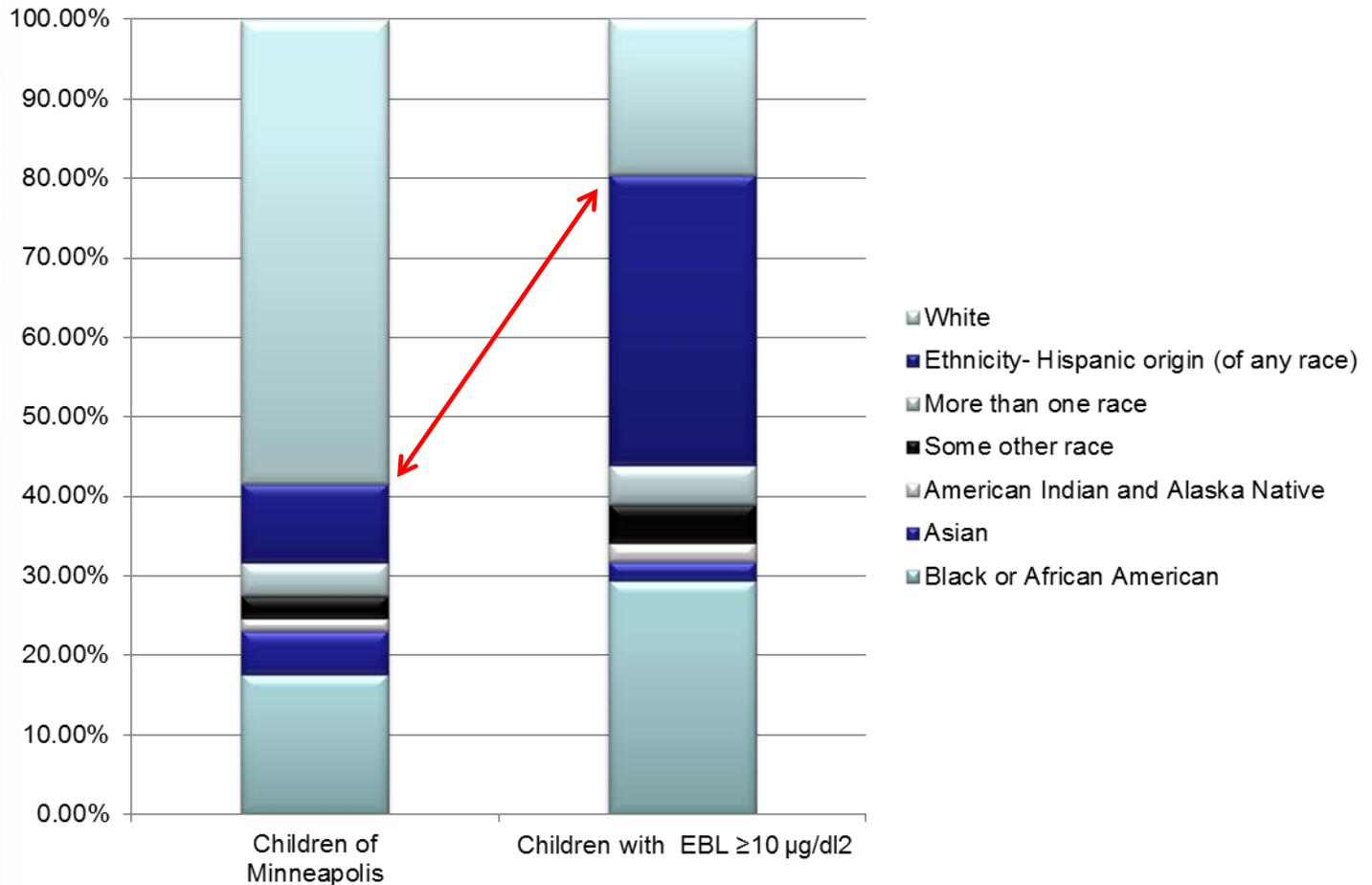
- Decreased IQ
- Learning disabilities-exacerbates achievement gap
- Behavioral disruptions
  - Impulsive behavior\*
  - Hyperactivity

\*May lead to violent behavior or unintended pregnancy





# Race and Ethnicity Disparities



<sup>1</sup> 2008 - 2012 ACS 5-Year Est, Table DP05 <http://factfinder2.census.gov/>

<sup>2</sup> Minneapolis Health Department 2013 Data



# Lead paint hazards





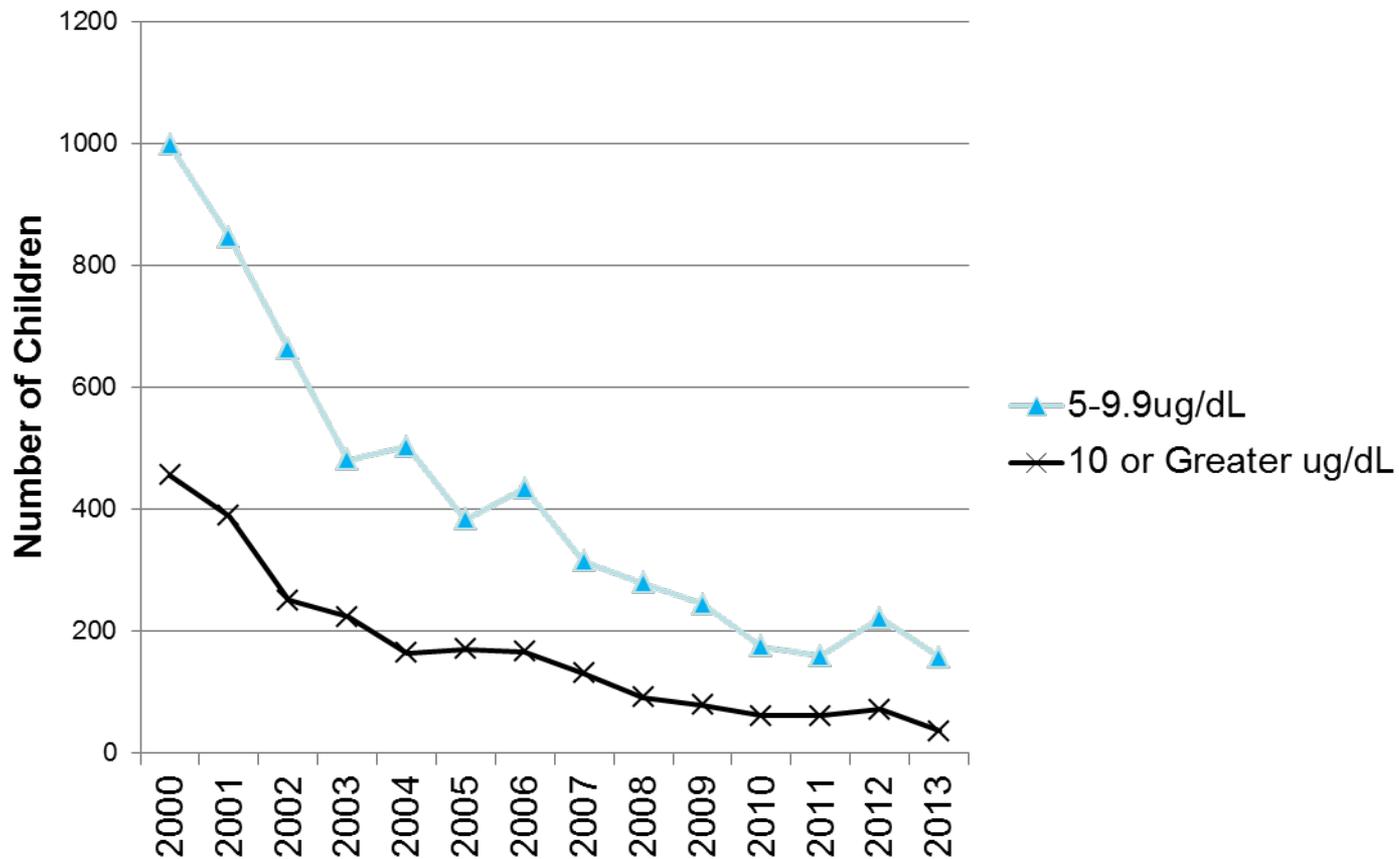
# Lead & Healthy Homes Grant Awards

Year	Grant Source	Grant Award
2012	HUD Lead Hazard Control	\$2,480,000
2011	HUD Healthy Homes	\$1,860,000
2009	HUD Lead Technical Research	\$599,834
2009	HUD Lead Hazard Control	\$3,000,000
2007	HUD Healthy Homes (Asthma)	\$1,000,000
2007	Hennepin County	\$1,400,000
2006	HUD Lead Hazard Control	\$3,000,000
2004	HUD Healthy Homes (Asthma)	\$650,000
2004	MDH- lead safe housing and training	\$108,950
	<b>Total:</b>	<b>\$14,098,784</b>



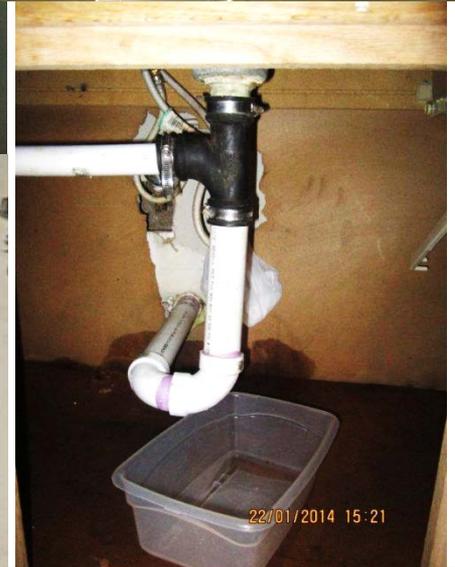
# Resources = Results

## Lead Poisoning in Minneapolis, By Blood Lead Level





# Health Hazards in Homes





# **\$1,860,000 HUD Award Healthy Homes 2011-2014**

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**Addresses health inequities in over 200 residential homes**

Repair health and safety hazards

- Mold & plumbing, roof leaks
- Safety hazards- smoke/carbon monoxide
- Injuries-slips, trip, & fall hazards
- Asthma & chronic obstructive pulmonary disease, integrated pest management
- Radon, ventilation upgrades
- 40 homes became eligible for weatherization



# \$2,480,000 HUD Award Lead Hazard Control 2012-2015

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Addresses health inequities for children under age 6

- \$2,300,000 to repair lead hazards in **children's** homes
- \$180,000 to repair health and safety hazards in those same homes
- 200 residential units made lead safe



# No safe level of lead exposure

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**2012**

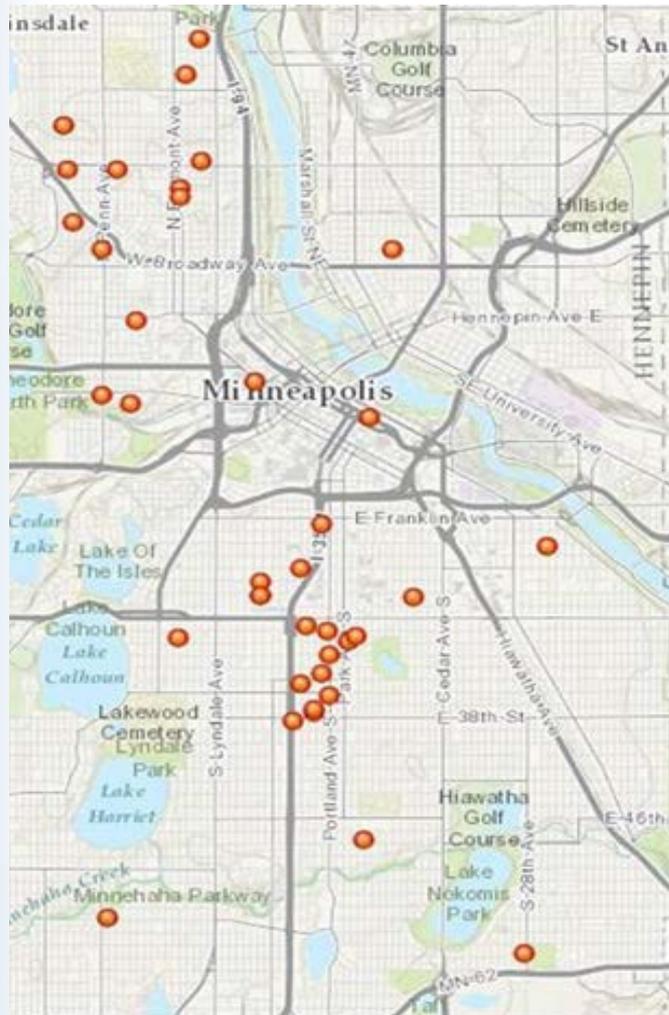
CDC decreases EBL level to 5 ug/dl  
-decreased by half

**2014**

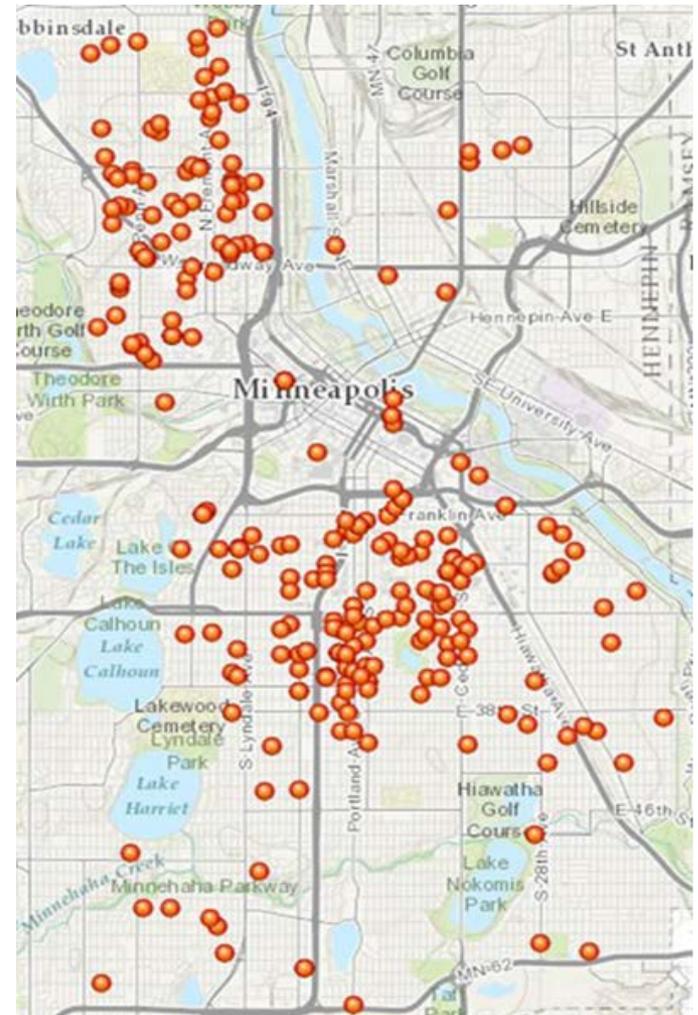
Minnesota  
Commissioner of  
Health changes the  
definition of EBL to  
match CDC



# 2013 Lead Poisoned Children: A tale of 2 blood lead standards



**Old EBL Standard  
Children with EBL >10**



**New 2014 EBL Standard  
Children with EBL 5-9.9**



# \$3,400,000 HUD Award- Lead Hazard Control 2014

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Addresses health inequities in children under age 6

- \$3,000,000 to repair lead hazards in **children's** homes
- \$400,000 to repair health and safety hazards in those same homes
- 280 residential units made lead safe

# Questions?



Get Your Home Tested  
Get Your Child Tested  
Get the Facts



(612) 673-2301



Minneapolis  
City of Lakes

