



# Children with Blood Lead Levels 5-9 mcg/dL, Children Living in Targeted Locations, and Medicaid Children: Testing and Elevation Profiles

*For CLPPP Children at Risk Workgroup only, not for distribution*

## Texas Childhood Lead Poisoning Prevention Program

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June 23, 2011

# Topics:

## ➤ Children with Blood Lead Levels 5-9 mcg/dL

- ❖ Examine trends 2001-2010
- ❖ Compare 5-9 mcg/dL to other levels
- ❖ Investigate blood lead levels for targeted and non-targeted children

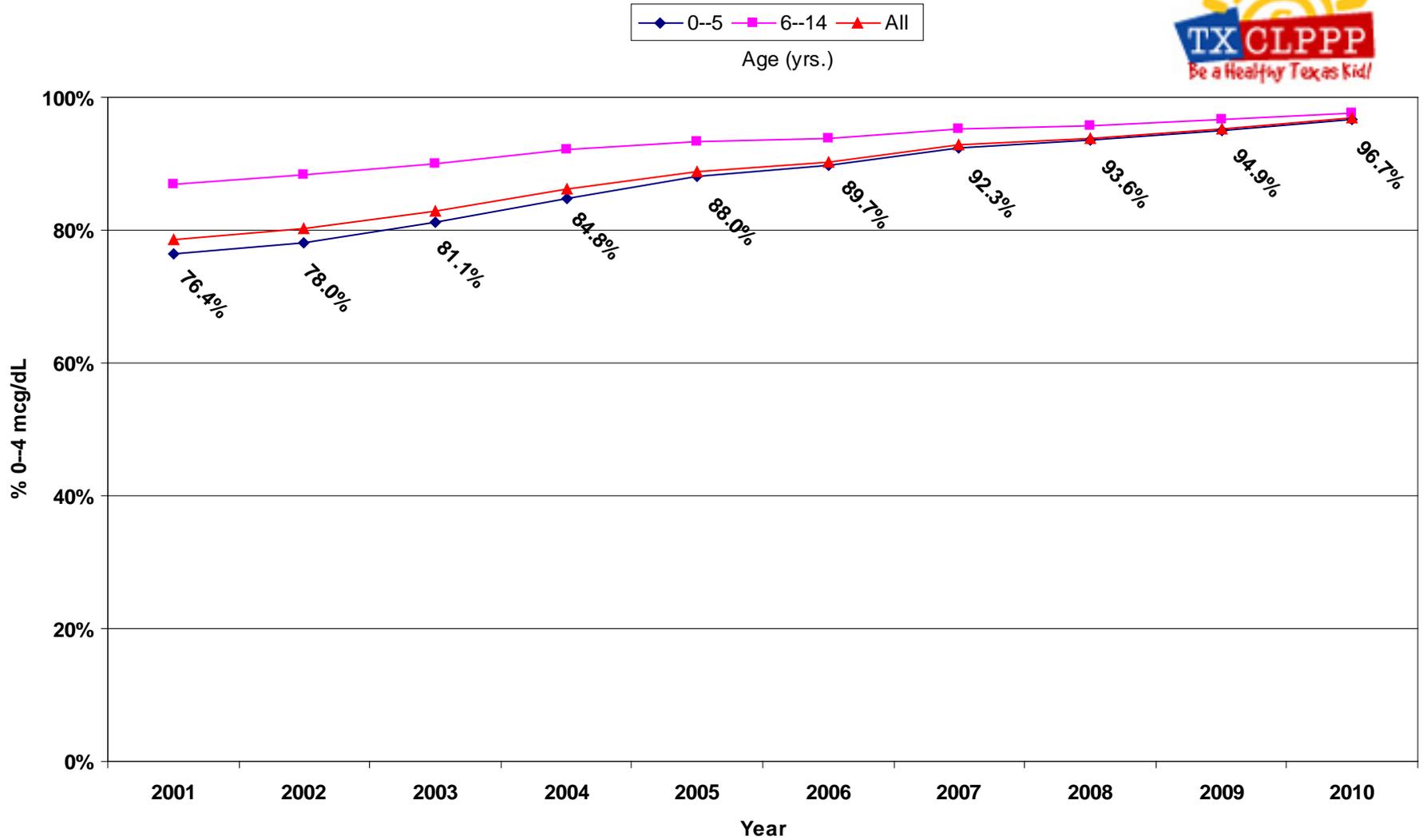
## ➤ Medicaid Children

- ❖ Compare testing counts for Medicaid vs. Non-Medicaid children
- ❖ Compare elevation percentages for Medicaid vs. Non-Medicaid children

## ➤ Summary

## ➤ Children with Blood Lead Levels 5-9 mcg/dL

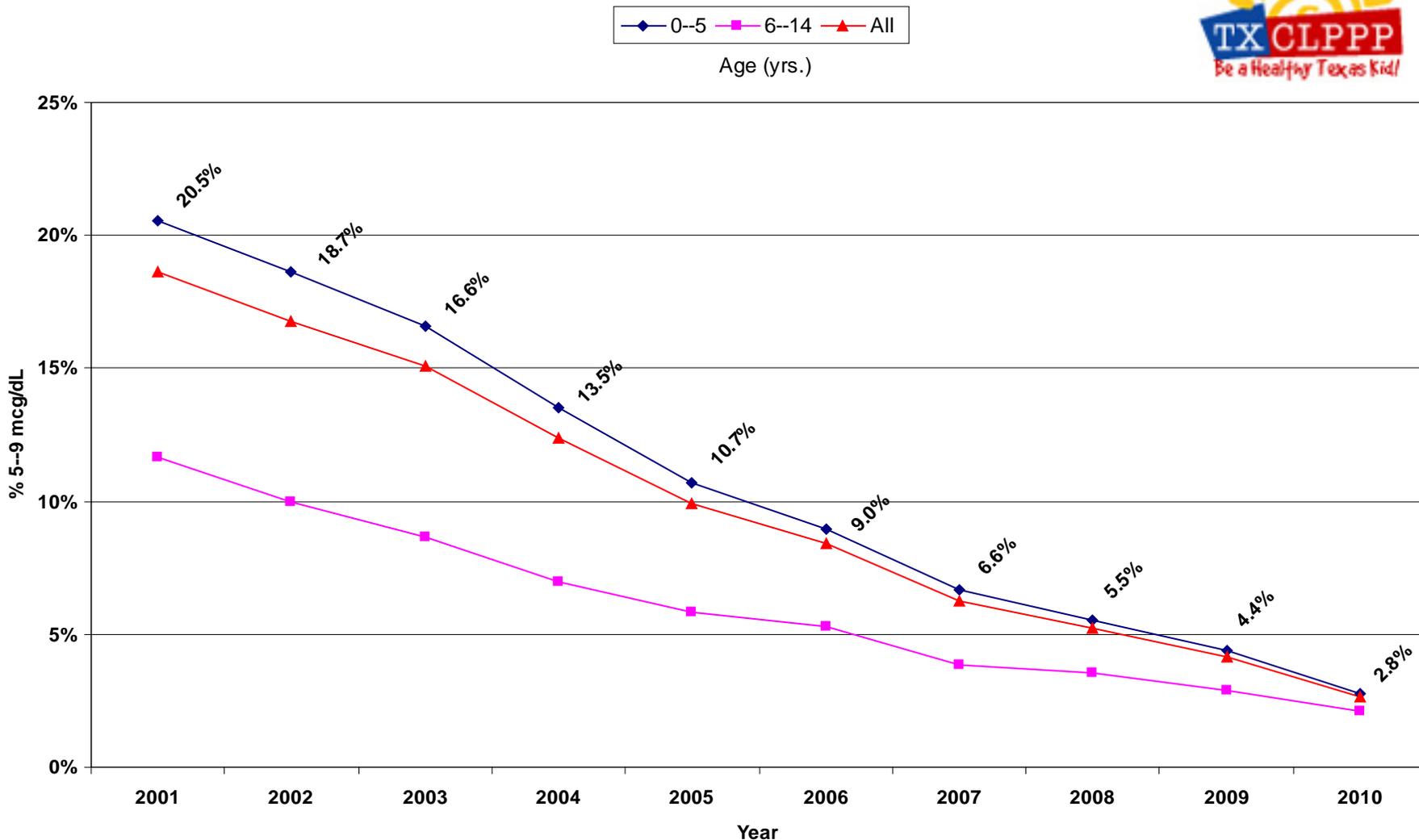
### Percent of Children with BLL 0-4 mcg/dL, 2001-2010\*



\*Percentage of children with a highest blood lead level of 0-4 mcg/dL in a given year. TXCLPPP 1-800-588-1248

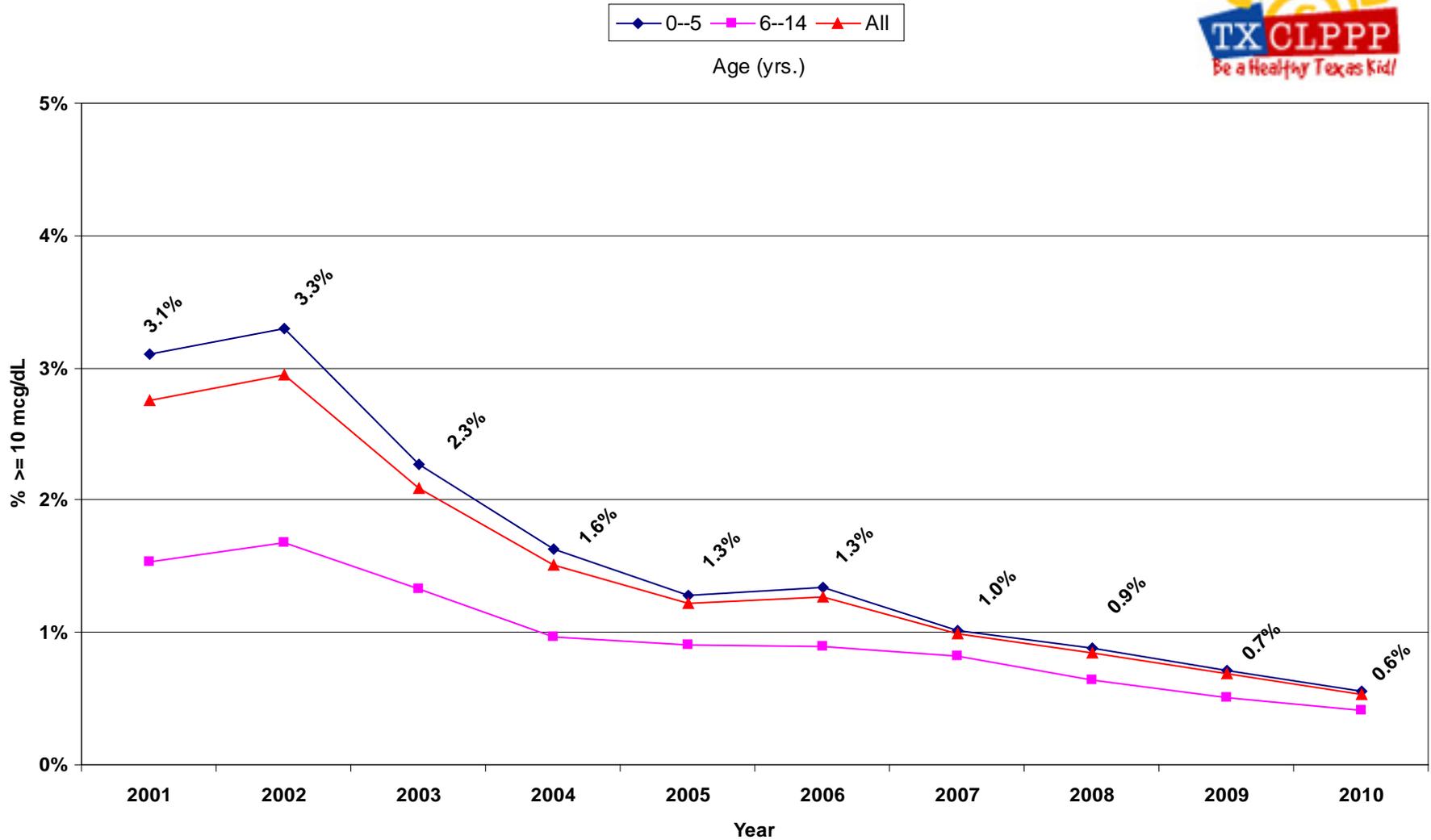


## Percent of Children with BLL 5--9 mcg/dL, 2001-2010\*



\*Percentage of children with a highest blood lead level of 5-9 mcg/dL in a given year. TXCLPPP 1-800-588-1248

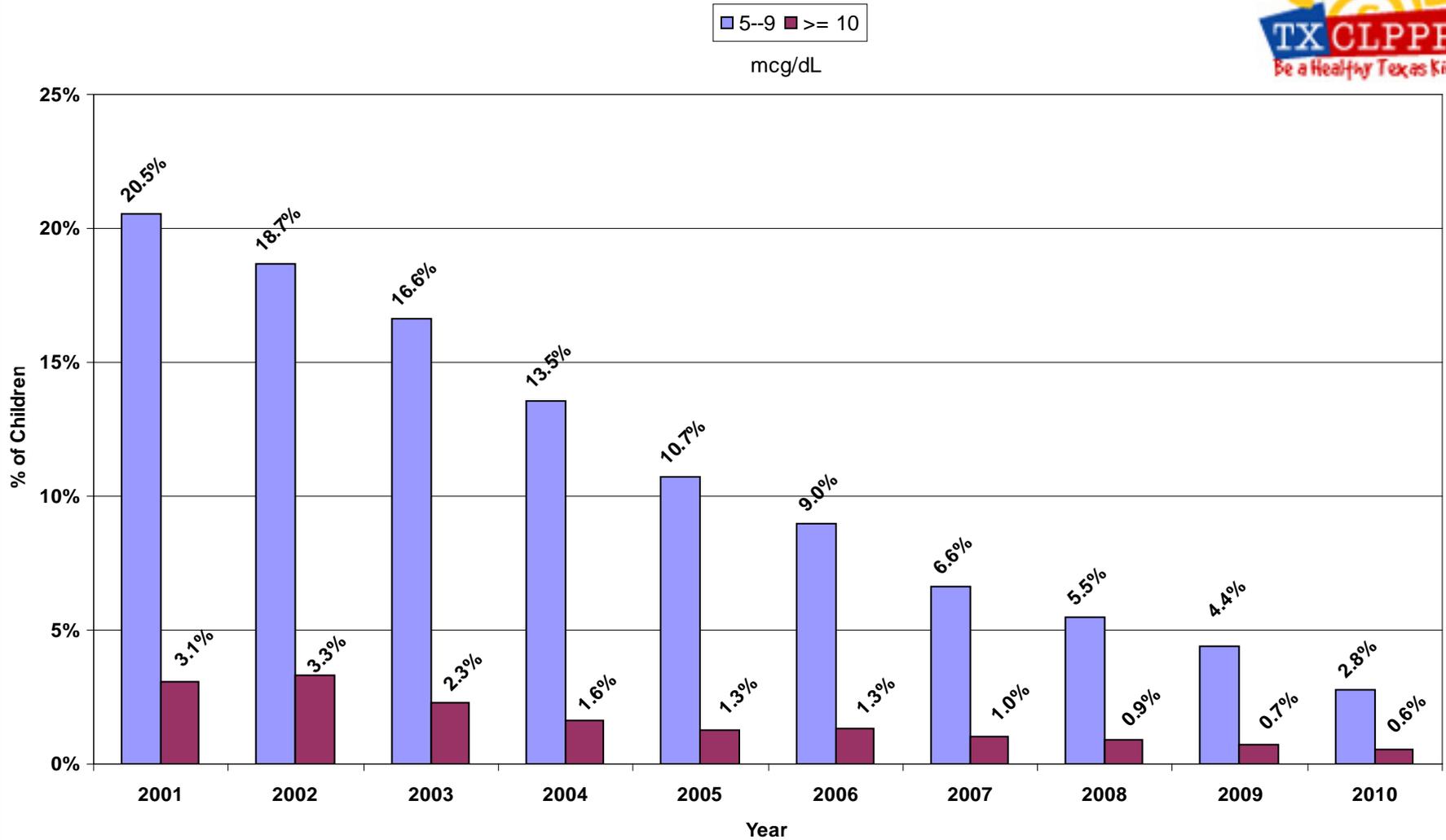
### Percent of Children with BLL $\geq$ 10 mcg/dL, 2001-2010\*



\*Percentage of children with a highest blood lead level of  $\geq$  10 mcg/dL in a given year. TXCLPPP 1-800-588-1248



## % of Children Age 0-5 Years with BLL 5--9 mcg/dL vs. $\geq 10$ mcg/dL, 2001-2010\*

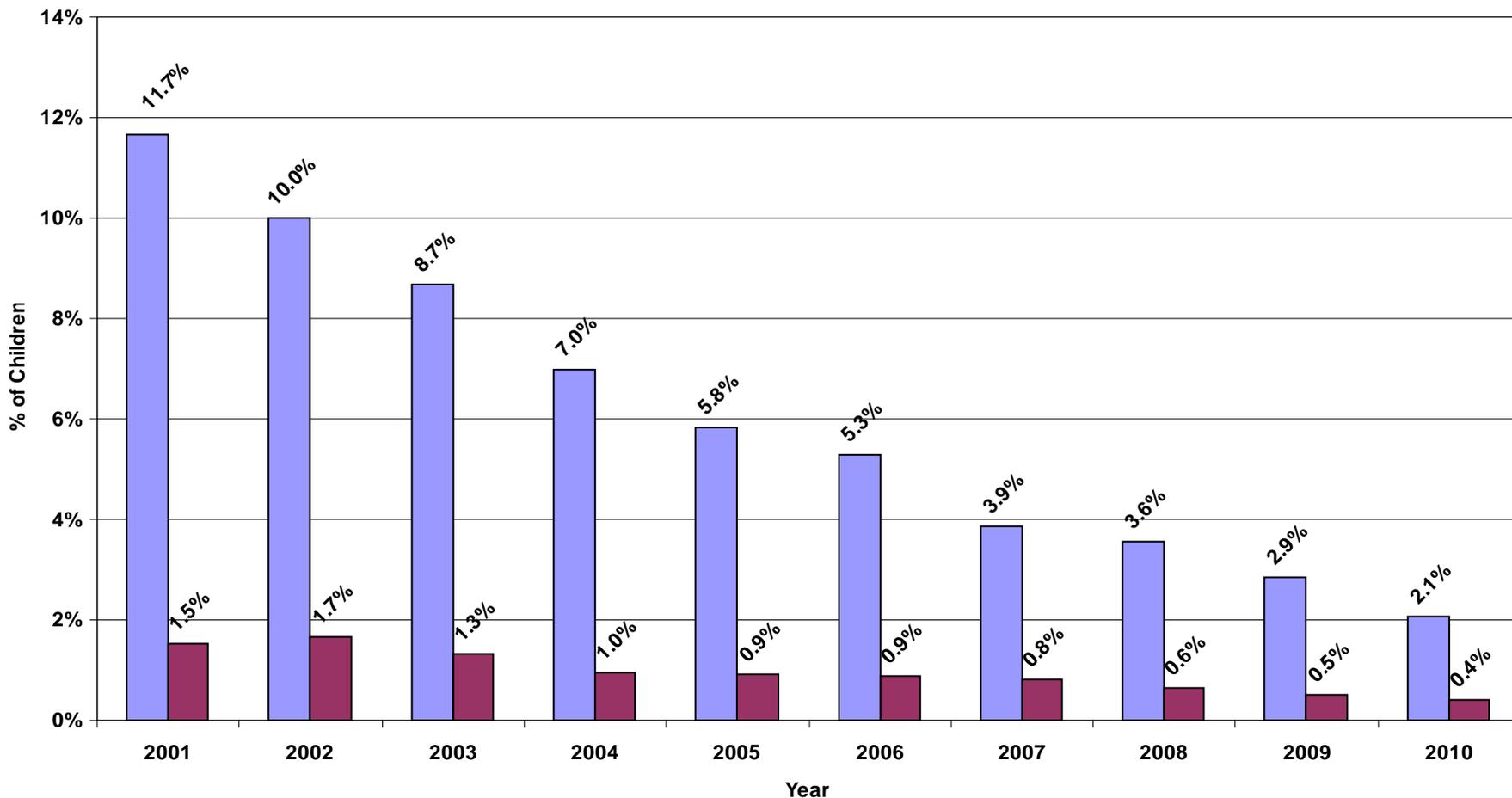


\*Percentage calculations based on child's highest blood level for a given year. TXCLPPP 1-800-588-1248

# % of Children Age 6-14 Years with BLL 5--9 mcg/dL vs. $\geq$ 10 mcg/dL, 2001-2010\*



■ 5--9    ■  $\geq$  10  
 mcg/dL



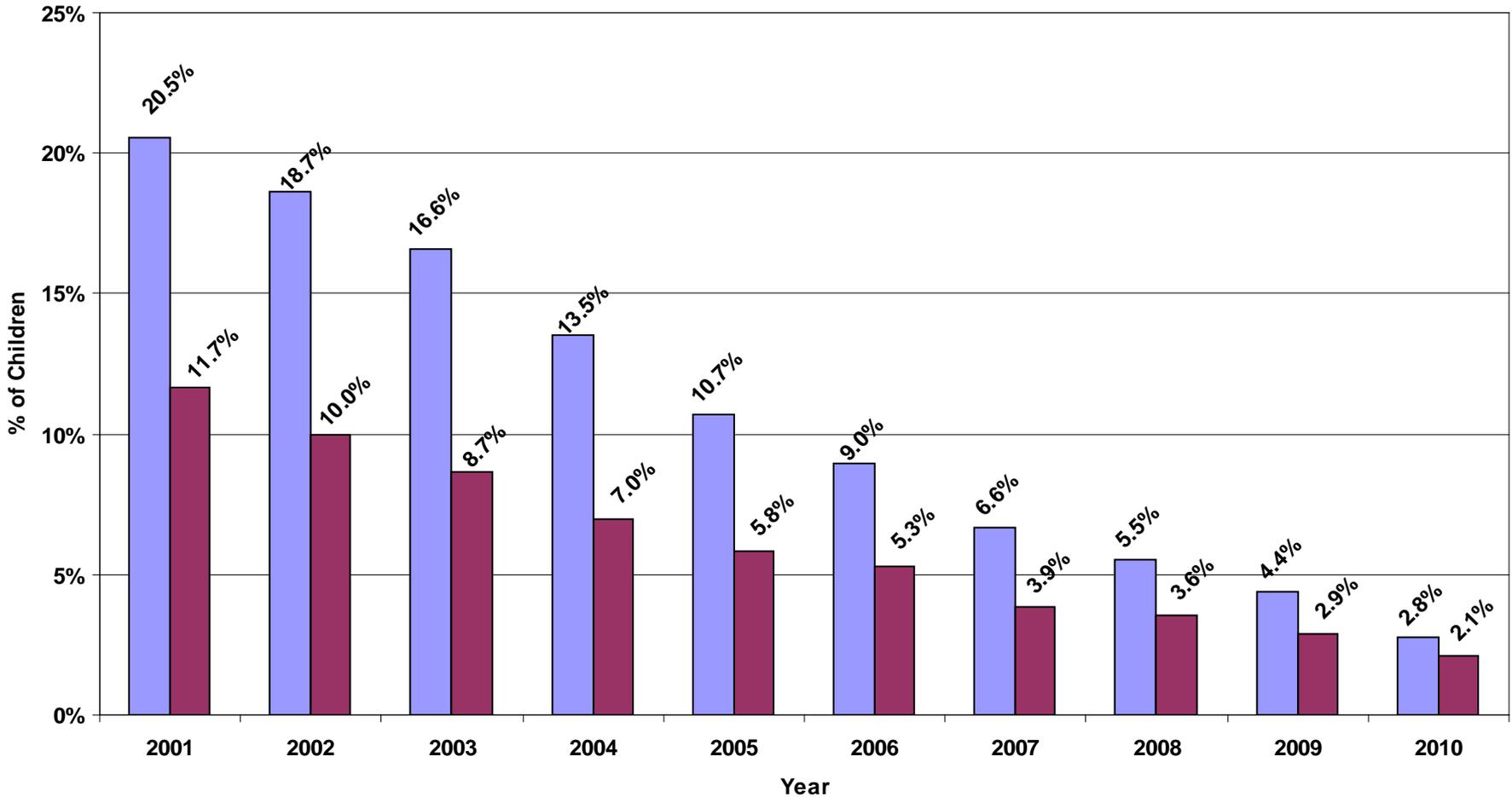
\*Percentage calculations based on child's highest blood level for a given year. TXCLPPP 1-800-588-1248



# % of Children with BLL 5–9 mcg/dL, Age 0–5 Years vs. Age 6-14 Years, 2001-2010\*



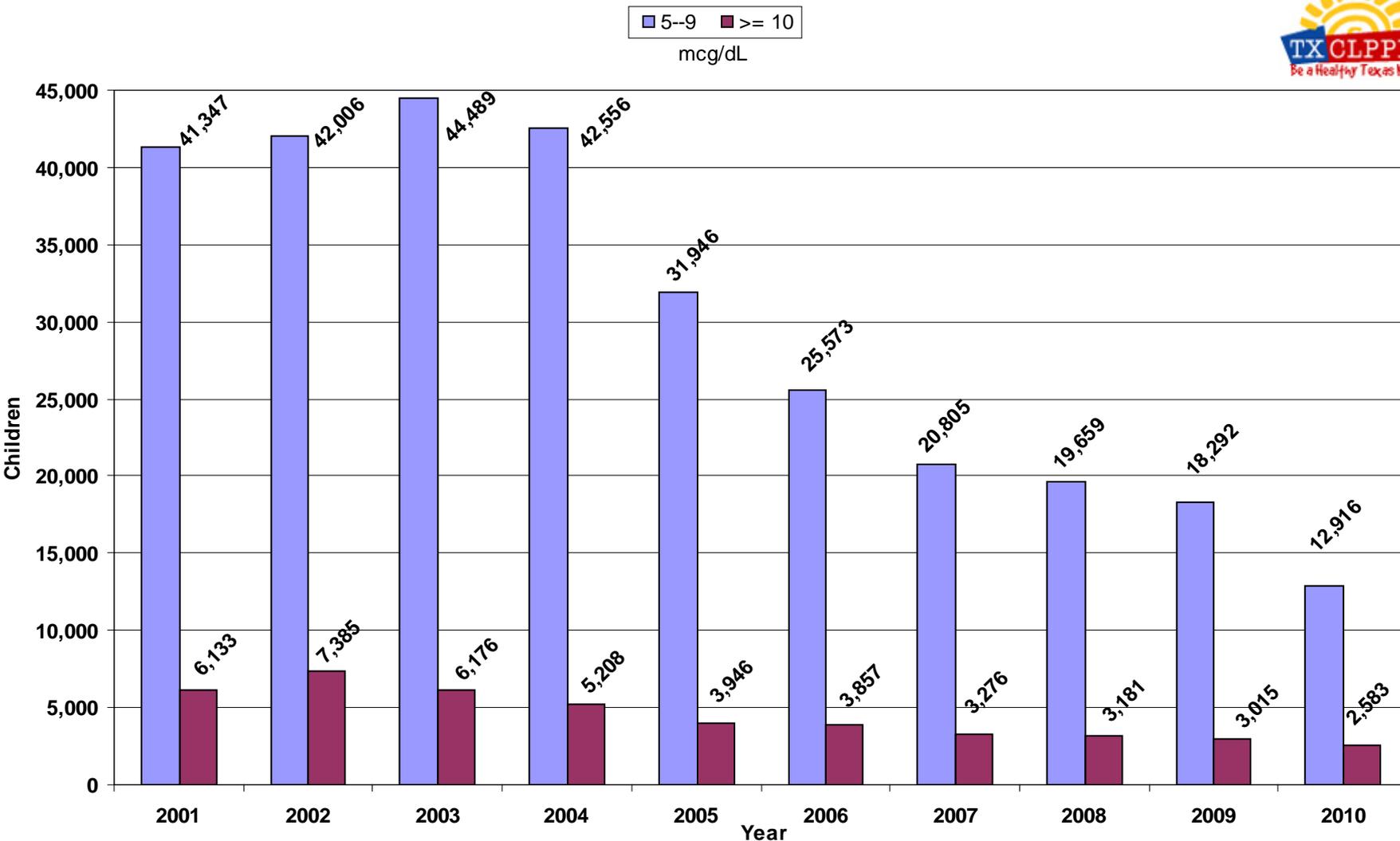
■ 0-5    ■ 6-14  
 Age (yrs.)



\*Percentage calculations based on child's highest blood level for a given year. TXCLPPP 1-800-588-1248



### Children Age 0-14 Years with BLL 5-9 mcg/dL vs. Children with BLL $\geq 10$ mcg/dL, 2001-2010\*



\*Percentage calculations based on child's highest blood level for a given year. TXCLPPP 1-800-588-1248

## Summary

Percent share of children tested having blood lead levels 0-5 mcg/dL has declined in all age groups

### Age 0-5 years

2001-20.5%

2010-2.8%

### Age 6-14 years

2001-11.7%

2010-2.1%

## Summary (continued)

### Comparing counts for children in 2010 (based on highest blood lead level)

➤ 12,916 children 5-9 mcg/dL

➤ 2,583  $\geq 10$  mcg/dL

There were 5X as many children 5-9 mcg/dL than  $\geq 10$  mcg/dL

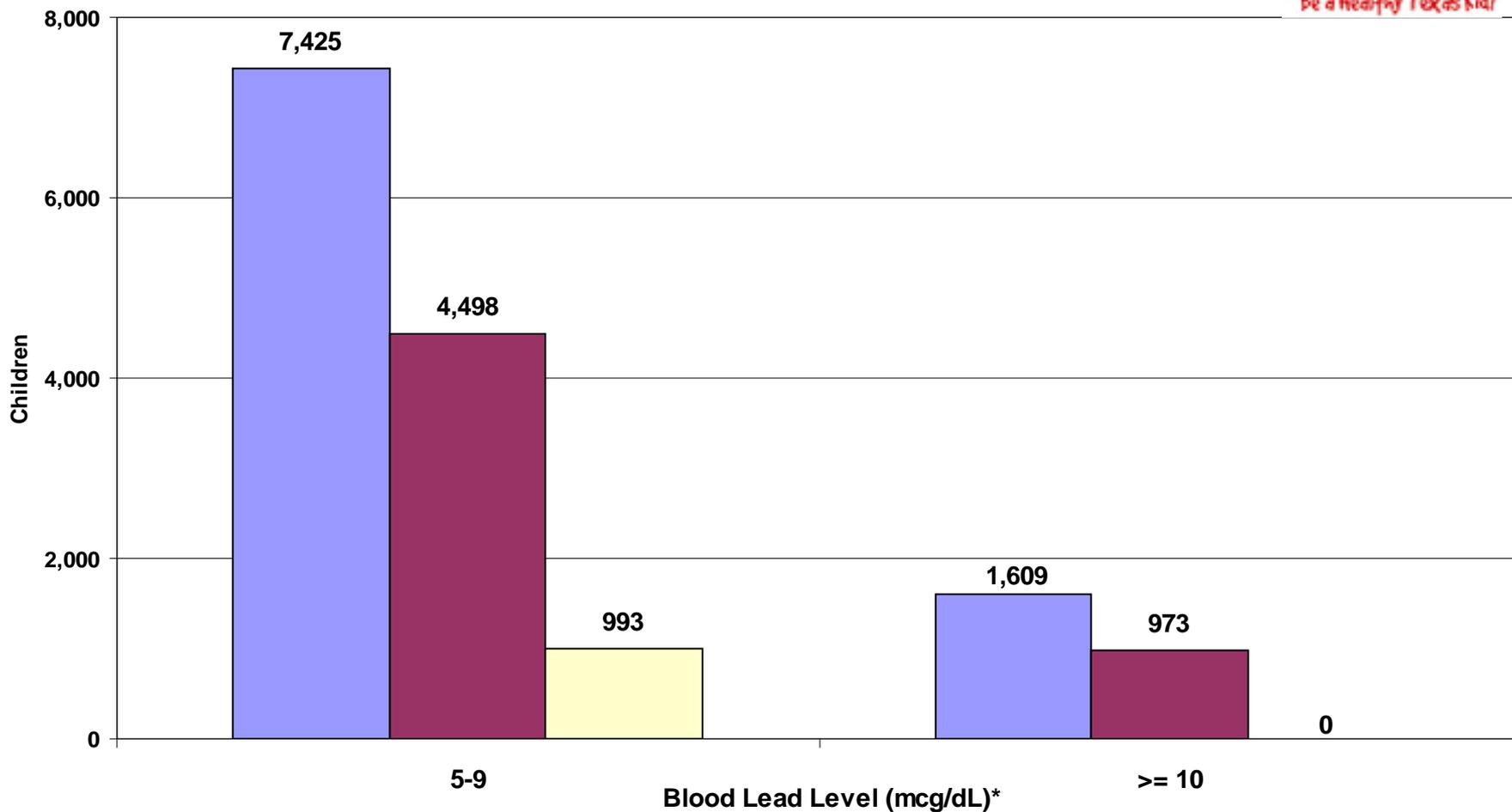
# ➤ Targeted vs. Non-Targeted

❖ Ages 0-5 and 6-14, counts and percentages

## Targeted vs. Not Targeted Children by BLL, Age 0-14 Years, 2010

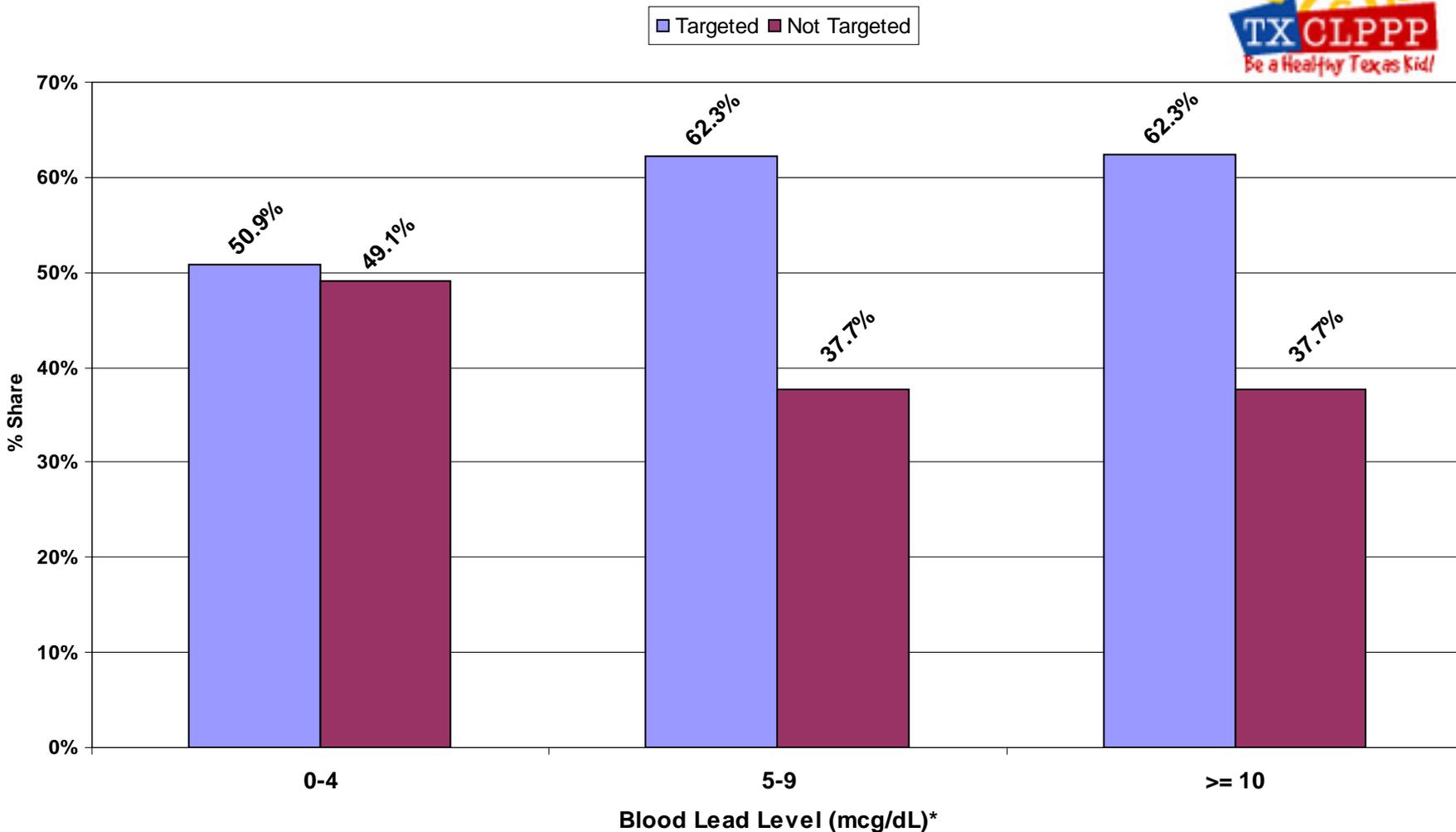


■ Targeted 
 ■ Not Targeted 
 ■ No Address



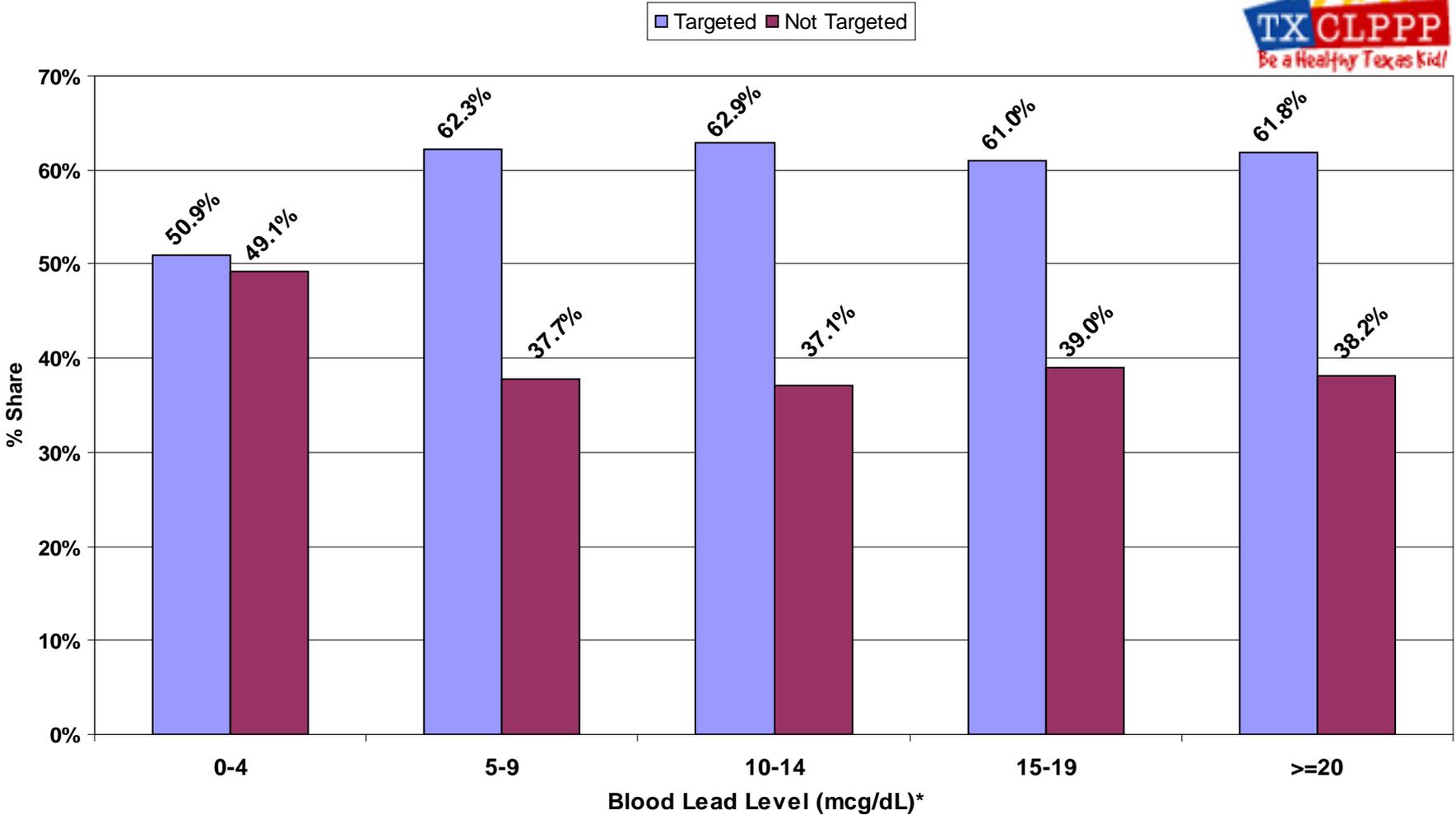
\*Counts for unduplicated child's highest blood lead level in 2010. TXCLPPP 1-800-588-1248

## % Share, Targeted vs. Not Targeted Children by BLL, Age 0-14 Years, 2010



\*Counts for unduplicated child's highest blood lead level in 2010. Counts do not include children with no reported address (46,471 or 9.6% of children in 2010). TXCLPPP 1-800-588-1248

## % Share, Targeted vs. Not Targeted Children by BLL, Age 0-14 Years, 2010\*

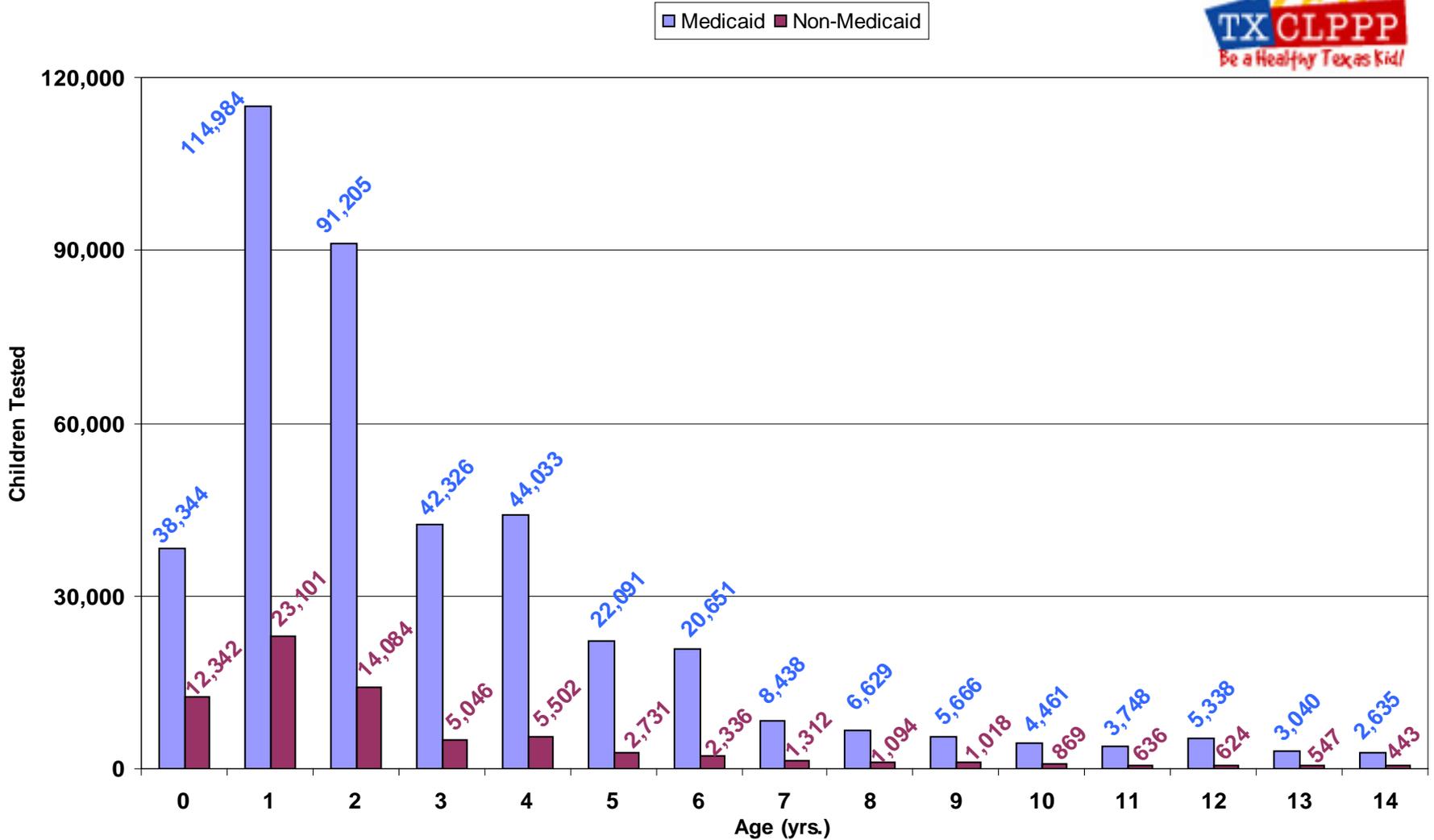


\*Counts for unduplicated child's highest blood lead level in 2010. Calculations do not include children with no reported address (46,471 or 9.6% of children in 2010). TXCLPPP 1-800-588-1248

# ➤ Medicaid Children

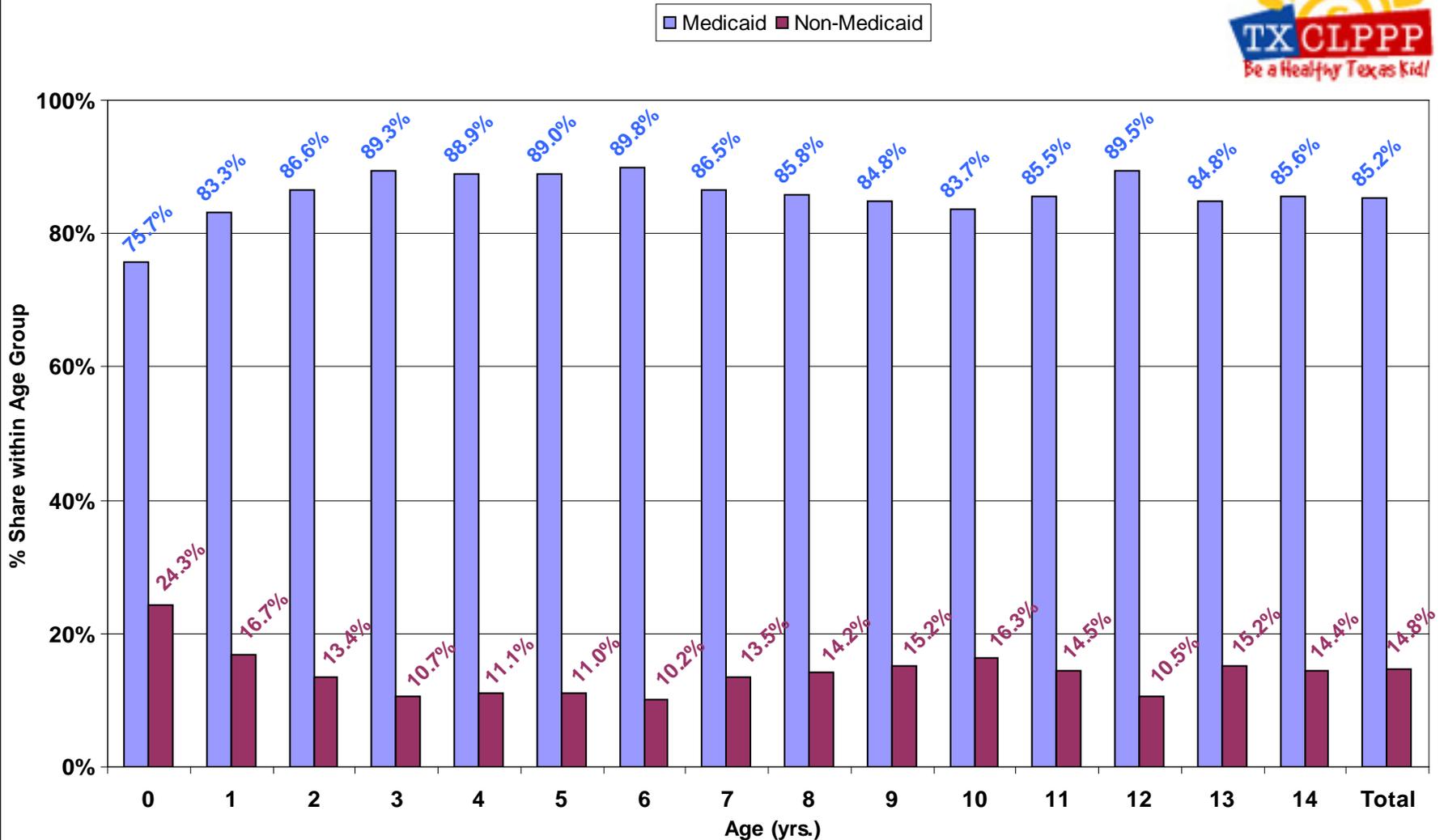
❖ Ages 0-5 and 6-14, counts and percentages

## Children Tested by Age, Medicaid vs. Non-Medicaid, 2010\*



\* Counts for unduplicated children, 2010. TXCLPPP 1-800-588-1248

## Percent Share Children Tested, Medicaid vs. Non-Medicaid, 2010\*

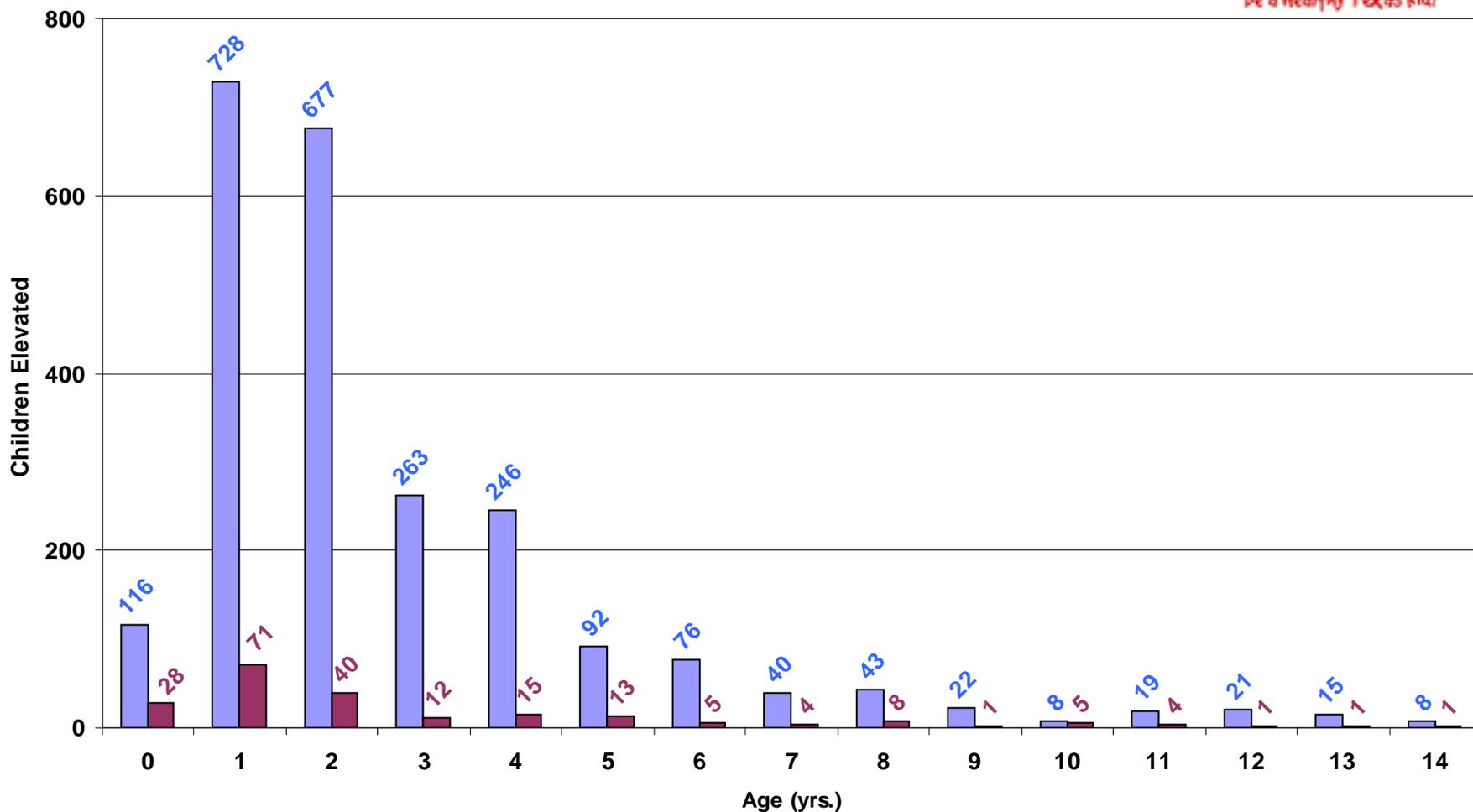


\*Counts for unduplicated children, 2010. TXCLPPP 1-800-588-1248

## Children Elevated by Age, Medicaid vs. Non-Medicaid, 2010\*

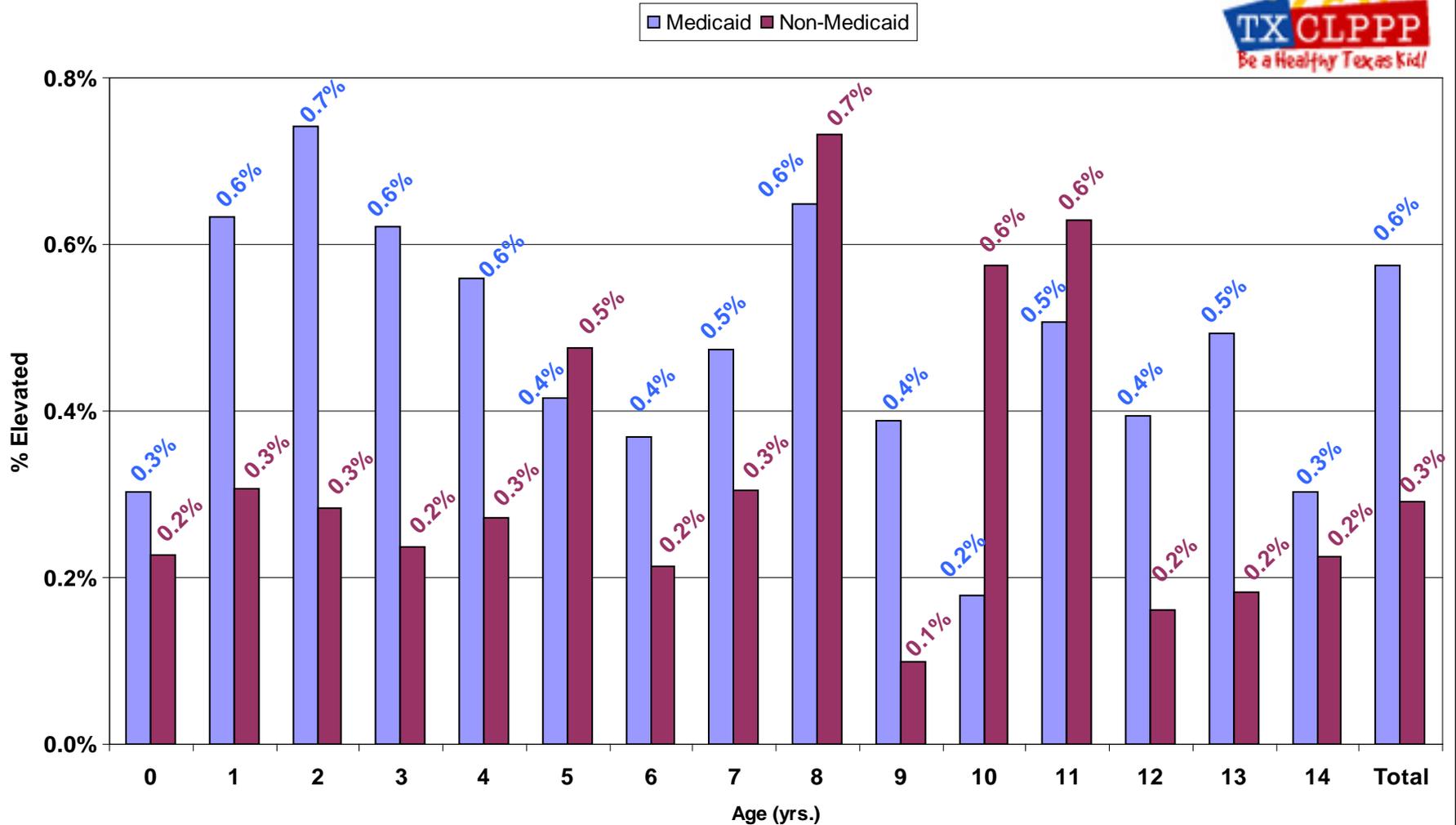


■ Medicaid ■ Non-Medicaid



\*Counts for unduplicated children with blood lead level  $\geq 10$  mcg/dL, capillary, venous, or unknown sample type. TXCLPPP 1-800-588-1248

# % Children Elevated Among Tested by Age, Medicaid vs. Non-Medicaid, 2010\*



\* Percentages calculated using counts for unduplicated children with blood lead level  $\geq 10$  mcg/dL, capillary, venous, or unknown sample type.  
 TXCLPPP 1-800-588-1248

## ➤ Summary

### ➤ Children 5-9 mcg/dL

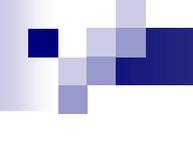
- Steady decline, as with  $\geq 10$  mcg/dL
- Over 5X the number of 5-9 mcg/dl compare to  $\geq 10$  mcg/dL in 2010
- Substantial increase in workload if 5-9 mcg/dL is to become “level of concern”

### ➤ Targeted vs. Non-Targeted

- Little difference in % share 0-4 mcg/dL
- Large Difference in 0-5 mcg/dL and  $\geq 10$  mcg/dL (62% Targeted, 38% Non-targeted)

### ➤ Medicaid Children

- % elevated among tested was greater in Medicaid children except for ages 5, 6, 10, and 11 years
- % elevated among Medicaid children at least 2X greater for ages 1, 2, 4, and age 0-14 years



## ➤ Questions?

**We prepare some information for your review only, so you can make informed decisions. Does anyone object to disclosing this information to persons outside this group?**

## ➤ Other Questions or Comments?



**Thanks!**  
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