Texas Trends In Lead Poisoning: Defining a Childhood Elevated Blood Lead Level Goal for 2020

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Texas Childhood Lead Poisoning Prevention Program

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Topics:

- Defining a Childhood Elevated Blood Lead Level Goal for 2020
  - 2020 projections, elevated and diagnostic elevated

- Summary
Texas Elevated Children, 2001-2010 (projected to 2020)*

Average Annual Change (2001-2010) = -9.4%

*Counts for unduplicated children with a blood lead level ≥ 10 mcg/dL per given year; capillary, venous, or unknown sample type.

TX CLPPP 1-800-588-1248
Texas Diagnostic Elevated Children, 2001-2010 (Projected to 2020)*

Average Annual Change (2001-2010) = -7.3%

*Counts for unduplicated children with a blood lead level ≥ 10 mcg/dL per given year, venous sample type only. TX CLPPP 1-800-588-1248
Percentage of Elevated Children with Venous Test, 2001-2010 (Projected to 2020)*

* Percentage of children with an elevated venous test among all children with an elevated blood test. TX CLPPP 1-800-588-1248
Summary

Using average annual change model for all elevated children

- 964 elevated children estimated for 2020
  (-9.4% per year 2001-2010)

- 457 diagnostic elevated children estimated for 2020
  (-7.3% per year 2001-2010)

- Projected increases in the rate of venous testing should not impact diagnostic projection estimates
  (average annual change +0.4 percentage points)
Summary (continued)

2020 projections for elevated and diagnostic elevated

- All elevated children-- requires a 63% decrease, from 2,583 in 2010 to 964 in 2020 (1,621 fewer)

- All diagnostic elevated children-- requires a 53% decrease, from 971 in 2010 to 457 in 2020 (514 fewer)
Summary (continued)

How shall we define a childhood elevated blood lead level goal for 2020?

A. 950 elevated children

A. 450 venous elevated children

A. Both A. and B.
Thanks!
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