

Adopting Blood Lead Levels ≥ 5 mcg/dL as the Reference Value for Follow-up Testing and Medical Case Management

Texas Childhood Lead Poisoning Prevention Program

Presented by:

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LJ Smith, Epidemiologist

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Webinar Demonstration

CenturyLink Web Meeting



Files

Q&A

Poll



MEETING

▶ WEBCAM

▼ PARTICIPANTS (2)

Speaking:

Patrick Blooming...

. ABLES Program (H)

▼ CHAT Everyone

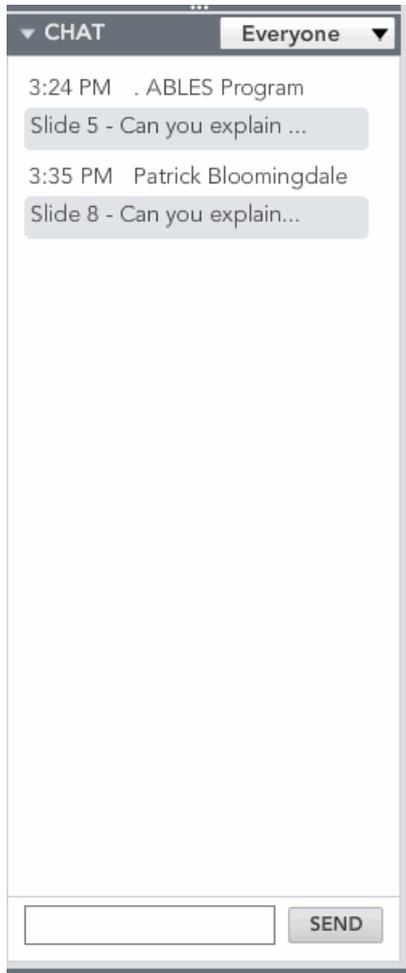
3:24 PM . ABLES Program

Slide 5 - Can you explain ...

SEND



Chat Feature

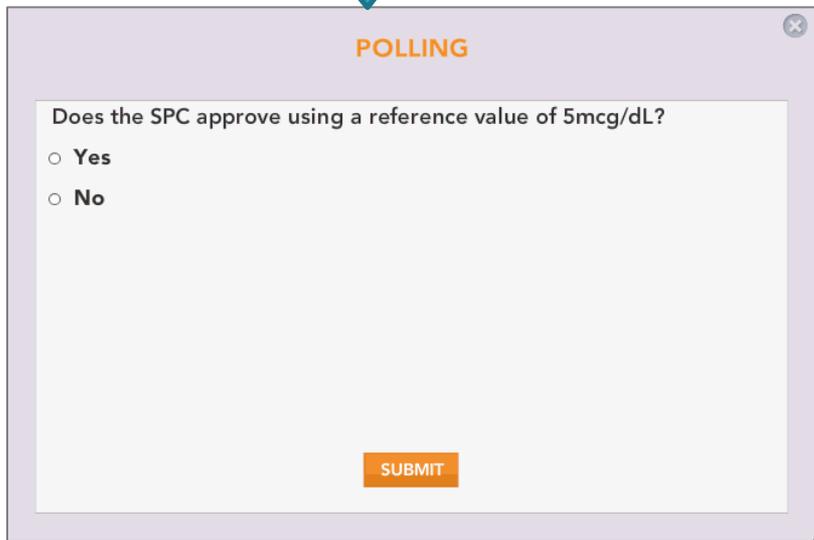


- Use the **CHAT** feature to submit your questions
- *Example: Slide 8 – Can you explain...*

Poll Feature

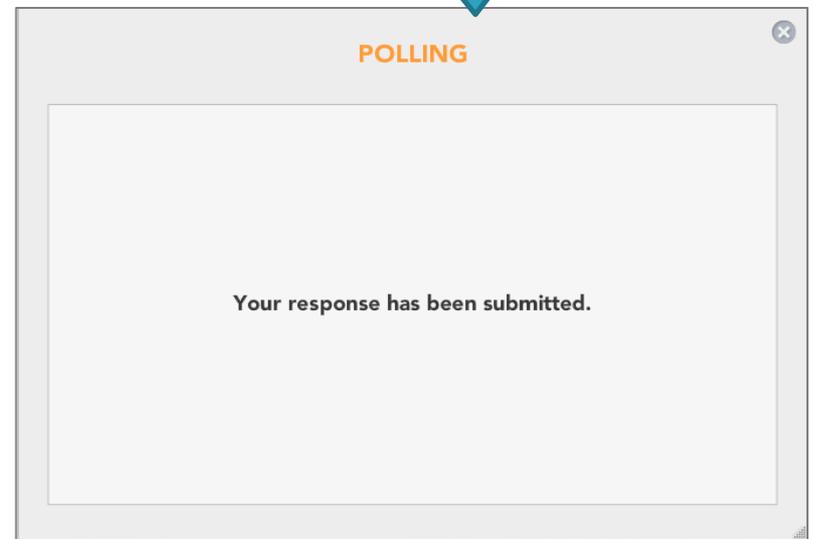
Webinar participants will submit their vote via the **Poll** Feature

When the voting begins,
a window will open up.



A screenshot of a web browser window titled "POLLING". The window contains a question: "Does the SPC approve using a reference value of 5mcg/dL?". Below the question are two radio button options: "Yes" and "No". At the bottom center of the window is an orange "SUBMIT" button.

Window will show your
vote was submitted.



A screenshot of a web browser window titled "POLLING". The window displays a confirmation message: "Your response has been submitted." The window is otherwise empty.

Polling continued

Recommendation 1: ...
Recommendation 2: ...
Recommendation 3:...

SUBMIT your response

POLLING

What actions does the SPC recommend for children with BLLs between 5-9 mcg/dL?

SUBMIT

POLLING

Your response has been submitted.

Agenda

1 INTRODUCTION

by Patrick

- Eliminating the term “level of concern”
- NHANES reference value

2 QUANTIFICATION

by L J

- Comparing tests 5-9 mcg/dL with ≥ 10 mcg/dL, 2011

3 VOTING & RECOMMENDATIONS

by Cristina

- Vote to accept/reject reference value
- Decide actions for children with BLLs between 5-9 mcg/dL
- Decide how primary care providers will be notified about the SPC’s recommendations

Blood Lead Levels in Children

- A **blood lead test** is used to measure the level of lead in a child's blood.
- Until recently, “**level of concern**” – test result of ≥ 10 mcg/dL.
- Blood lead levels (**BLLs**) < 10 mcg/dL associated with:
 - IQ deficits
 - Attention-related behaviors
 - Poor academic achievement
 - Other lifelong health effects

Eliminating the term “level of concern”

Centers for Disease Control & Prevention

- No safe BLL in children has been identified, a blood lead “level of concern” cannot be used to define individuals in need of intervention.
- FY2012 - discontinued using the term “level of concern” in future publications.
- FY2012 - replaced “level of concern” with the NHANES reference value.

Texas Department of State Health Services

- FY 2012 - discontinued using the term “**level of concern**”

NHANES Reference Value

National Health and Nutrition Examination Survey

- Current **reference value** = 5 mcg/dL.
- U.S. population of children ages 1-5 years who are in the top 2.5% (97.5th percentile) of children when tested for lead in their blood.

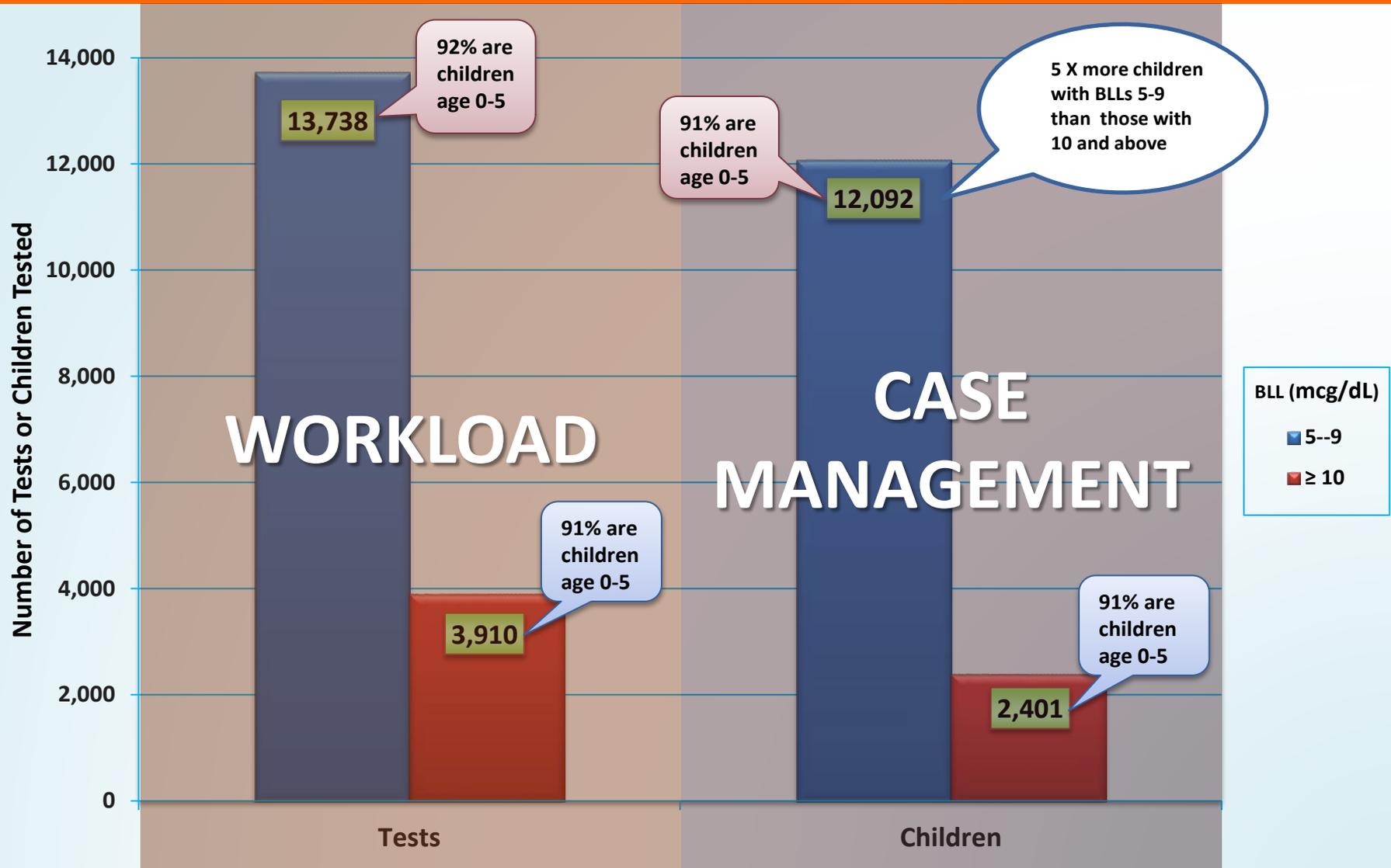
Questions & Answers

- **Webinar Participants** - please use the Polling feature to submit questions.
- **Austin Participants** – please use paper provided to submit questions.

Questions will be collected, read to the Committee, then answered accordingly.

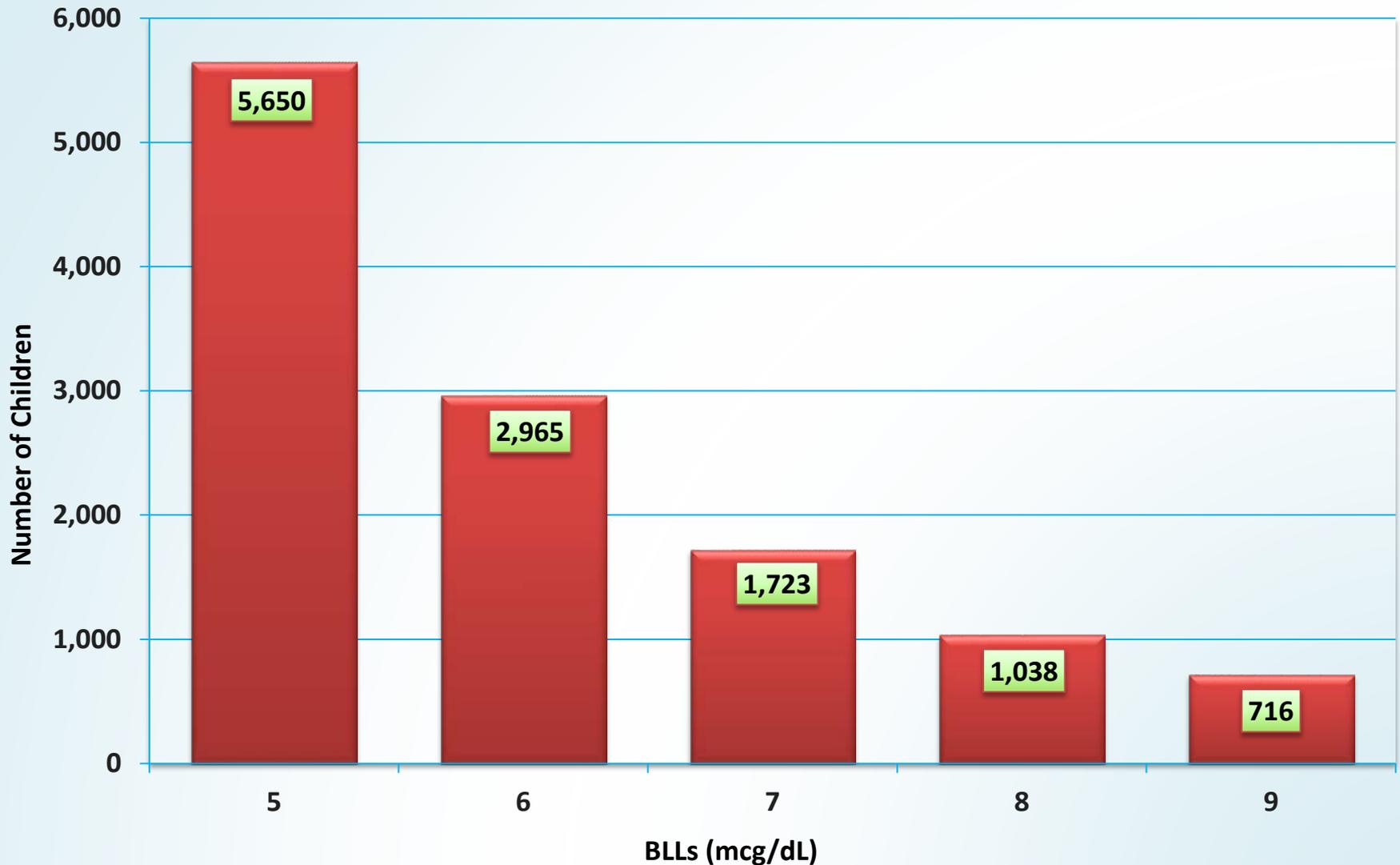
Quantifying Tests and Children with Blood Lead Levels ≥ 5 mcg/dL

Number of Tests and Children Age 0-14 with BLLs 5-9 mcg/dL vs. ≥ 10 mcg/dL, 2011*



*Test counts based on all valid tests in 2011. Counts for unduplicated children based on first BLL 5-9 mcg/dL and no test > 9 , or first BLL ≥ 10 mcg/dL.

Texas Children Age 0-14 with BLLs 5-9 mcg/dL by BLL, 2011*



*Counts based on unduplicated children, first BLL 5-9 mcg/dL, and no other test > 9 mcg/dL in 2011.

Summary

- There would be a 5-fold greater number of children needing follow-up testing and medical case management when using the reference value of 5 mcg/dL.

Questions & Answers

- **Webinar Participants** - please use the Polling feature to submit questions.
- **Austin Participants** – please use paper provided to submit questions.

Questions will be collected, read to the Committee, then answered accordingly.

SPC Voting & Recommendations

**Does the SPC approve using a
reference value of 5mcg/dL?**

**What actions does the SPC
recommend for children with BLLs
between 5-9 mcg/dL?**

How will primary care providers be informed of the SPC's recommendations?

Presenters

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Meeting Dates

- February 27, 2013
- March 27, 2013