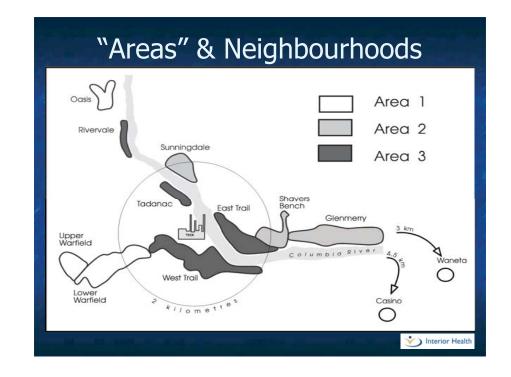




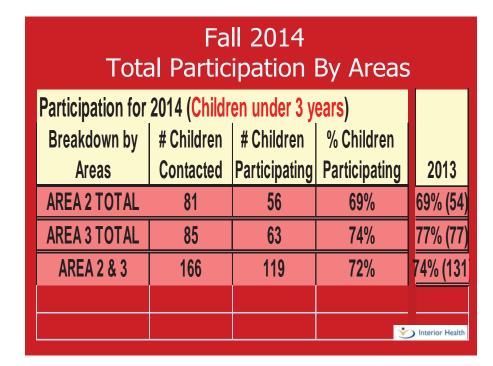
#### Who Was Tested in 2014?

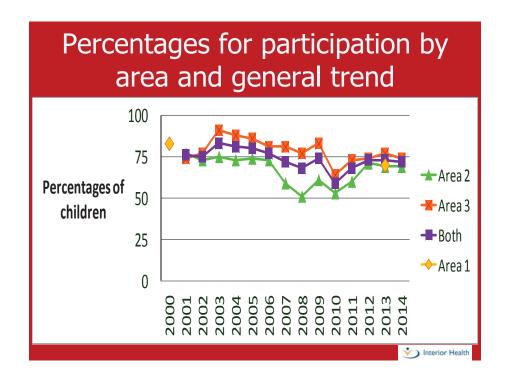
- Target group:
  - Children aged 6-36 months, living in City of Trail or Rivervale (Area 2/3)
  - This is the group our results reflect
- Also:
  - New to area, up to age 5 years old
  - Previous case management for follow-up
  - Parents who requested testing for their child from any area

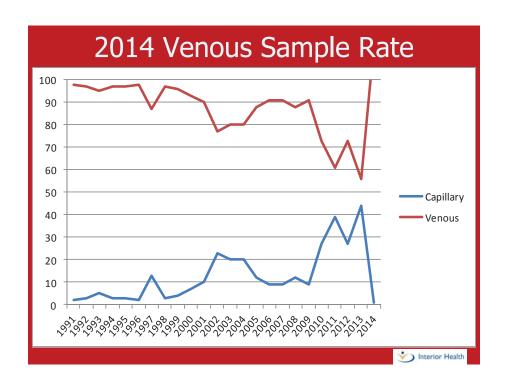
Interior Health

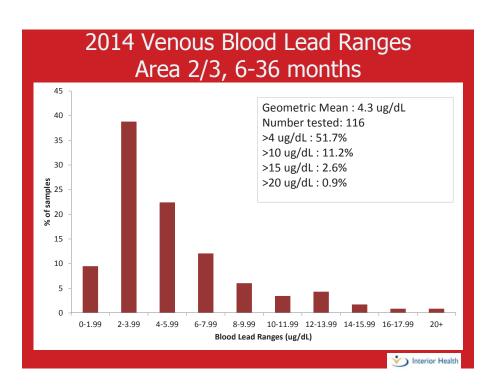


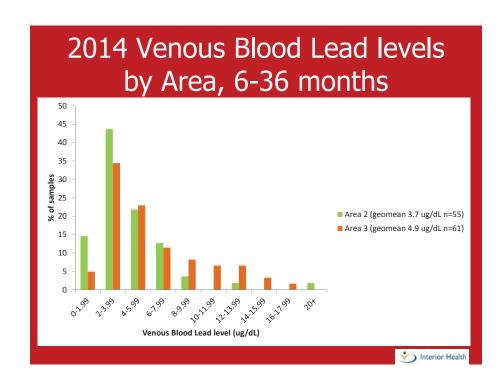


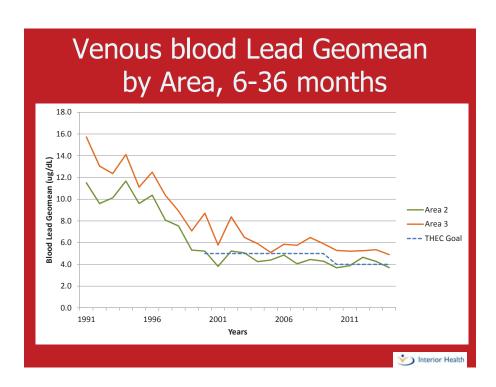


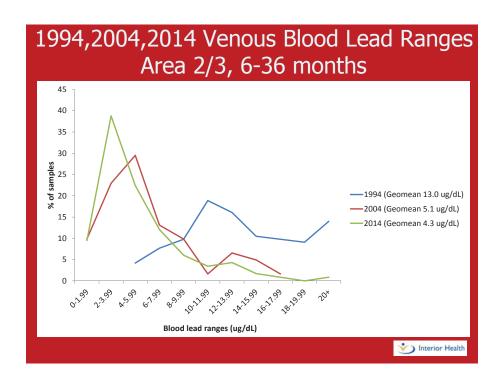


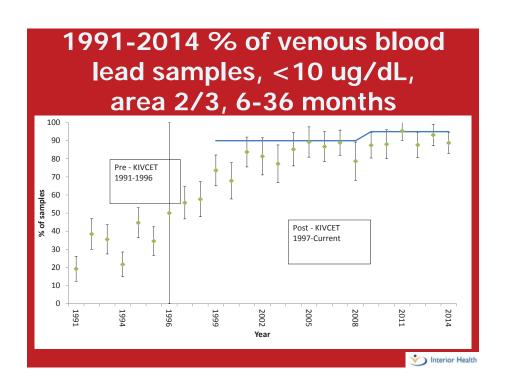


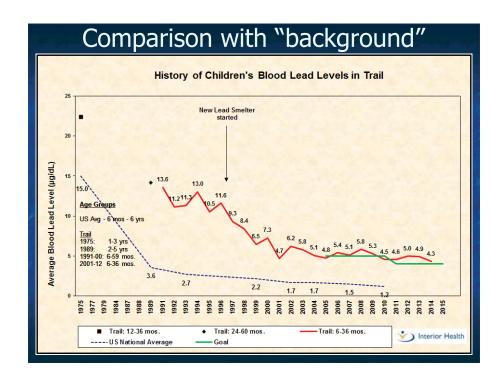




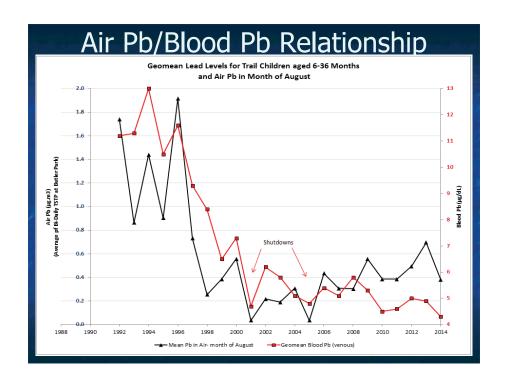


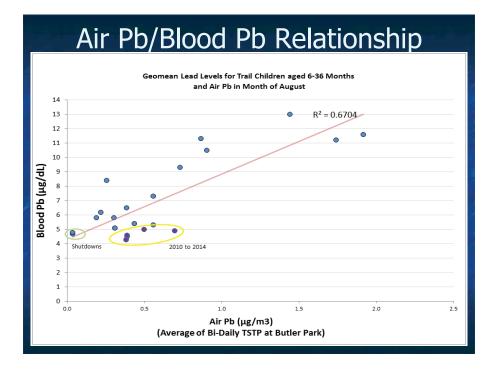












#### **Concluding Messages**

- Late summer 2014 conditions were again warm and dry. The three-month average for lead in air in July, August and September was lower than 2013.
- The level of lead in air still appears to have a significant influence on blood lead levels.
- Teck's Fugitive Dust Reduction Program currently offers the greatest opportunity to further reduce lead emissions to achieve our health and environment goals.



# Concluding Messages

- There is no known threshold below which there is no effect from lead exposure. The lower the better.
- There has been huge improvement in children's blood lead levels over the past 20 years, and Trail is among the leading smelter communities in terms of low lead emissions and blood lead levels.
- We are continuing to move toward our blood lead goal to have a geomean ("average") of 4.0 μg/dL by 2015



### **Concluding Messages**

- There is some expected variation in blood lead levels from year to year due to the small population size, variation in weather, air quality etc.
- Overall, since the KIVCET smelter started in 1997, there was a significant decline in blood lead levels until about 2001. This has been followed by a continued, but very slight, improving trend through 2014.



### Concluding Messages

- A small percentage of children had blood lead levels above 10 µg/dL. These families are receiving case management so their blood lead levels can be reduced.
- This is a reminder to parents of the importance of getting their children's lead levels tested.
- At the lead levels we typically see in Trail, the health effects would likely be subtle and not measureable or detectable in individual children.

## Concluding Messages

- To reach our 2015 goal we require continued exposure reduction efforts from the internationally-recognized model partnership that is the THEC. This includes the Fugitive Dust Reduction Program and Healthy Families/Healthy Homes in-home visiting program.
- For information regarding lead, its effects, and the robust community supports available in the Trail area, please visit www.thep.ca



