

Acrylamide and Public Policy

Richard A. Forshee

Research Assistant Professor
Center for Food and Nutrition Policy

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OEHHA Workshop



- Research Center of Virginia Tech
- Center of Excellence, Food and Agriculture Organization
- Acrylamide Experience
 - CFNP Ceres® Roundtable, September 9, 2002
 - Exposure Assessment
 - JIFSAN “Acrylamide in Foods” Workshop
 - Presentation at JIFSAN/CFSAN Seminar Series

Food Guide Pyramid



Estimating the Nutrition and Health Effects of a Proposed Label

- How will consumers respond to the new label?
 - Primarily used by motivated consumers with specific health concerns
 - No good data on response to cancer warnings on foods

Estimating the Nutrition and Health Effects of a Proposed Label

- How much will consumers reduce consumption of foods that contain acrylamide?
- What foods will they substitute for the foods they avoid?

Estimating the Nutrition and Health Effects of a Proposed Label

- What will be the overall impact on nutrition and health?
 - Foods that contain acrylamide constitute a huge part of the current diet
 - Need a sophisticated analysis that explicitly models dietary tradeoffs and nutrition changes
 - Potential magnitude can be estimated with current data

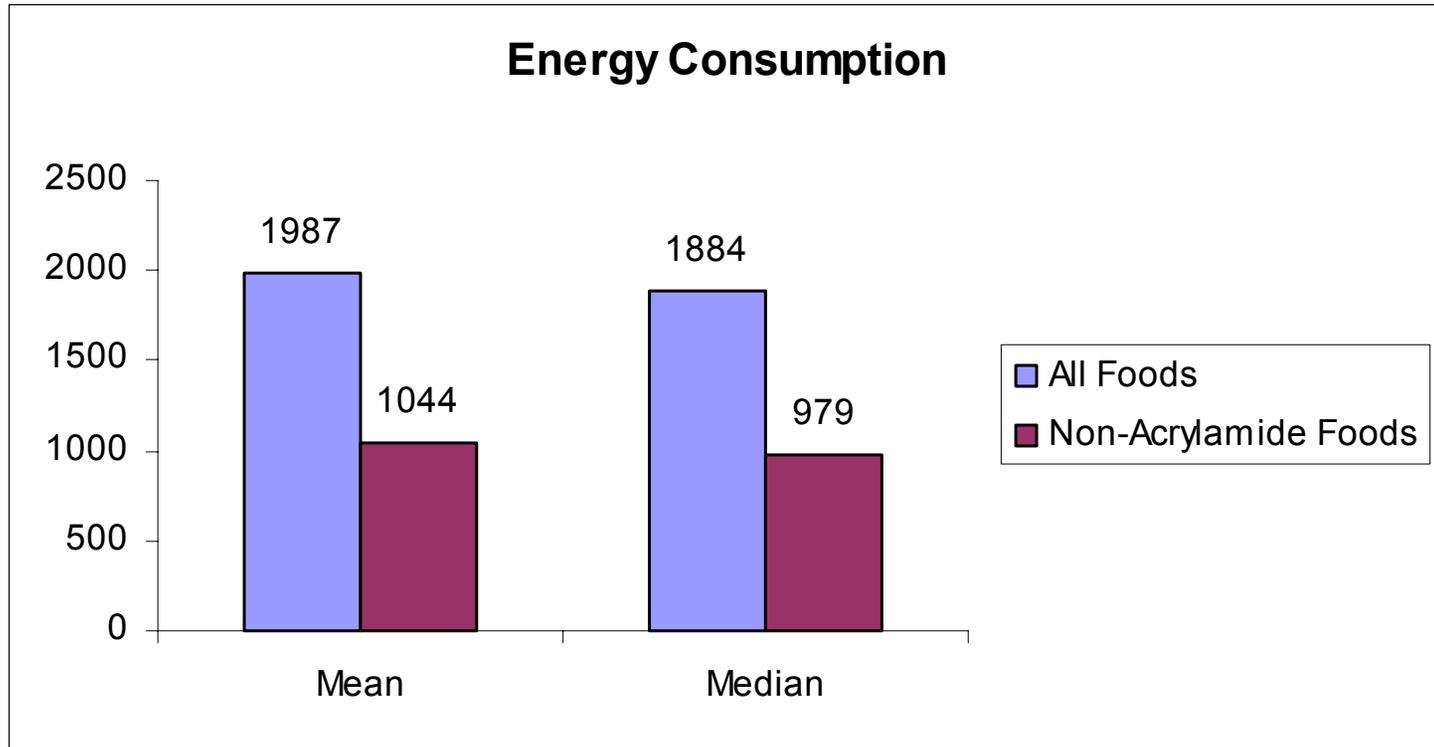
Data & Methods

- CSFII 1994-96, 98
 - Children 6-12y
 - Day 1 Intake
 - 1998 Nutrient Values from CSFII CD
- Acrylamide Foods Identified by FDA

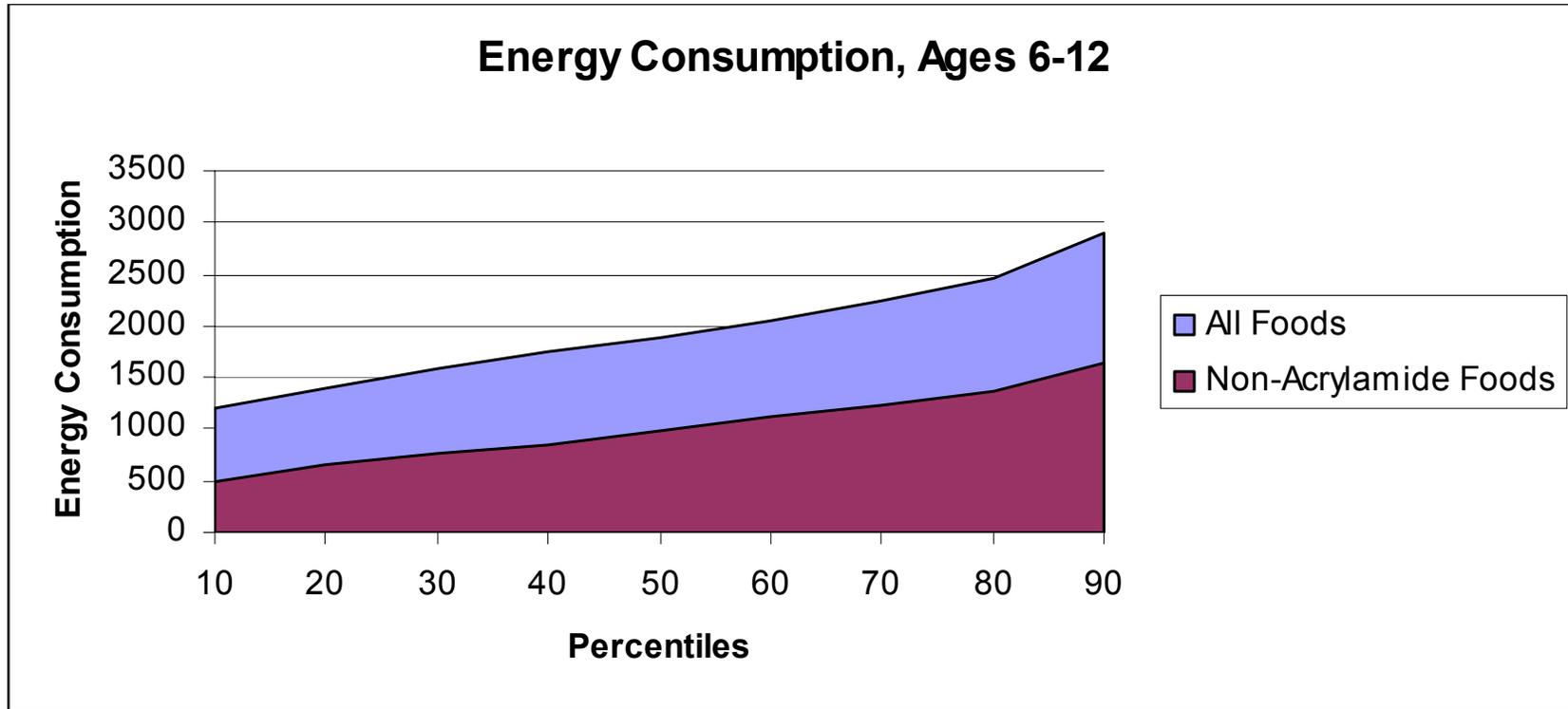
Food Categories From FDA

- Potato Chips
- French Fries
- Bakery Products
- Crackers
- Breakfast Cereals
- Corn Chips
- Nuts & Nut Butters
- Bread
- Batter/Breaded
Chicken, Beef, Pork,
Game, Organs, Fish
(combined)
- Coffee

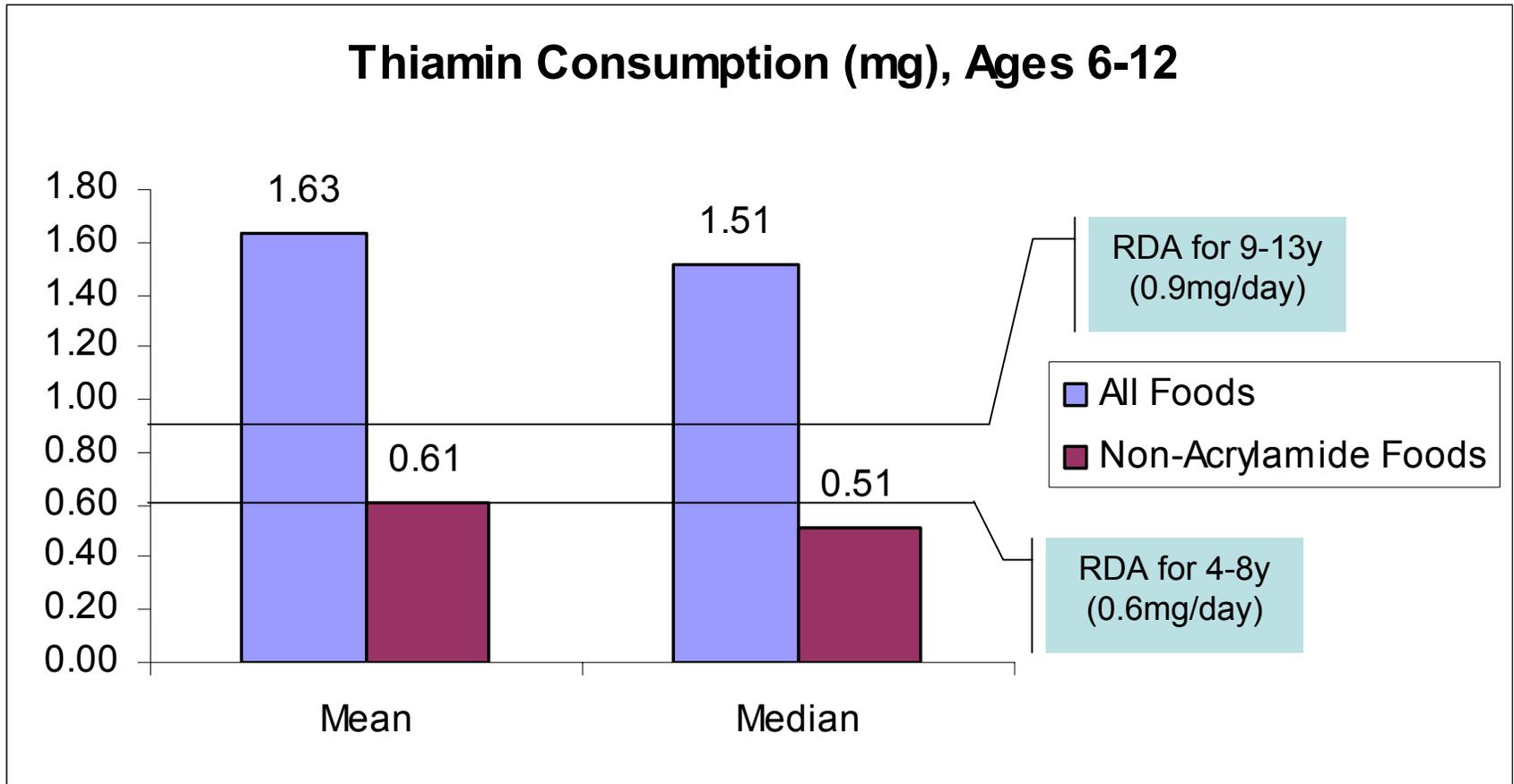
Energy, Ages 6-12



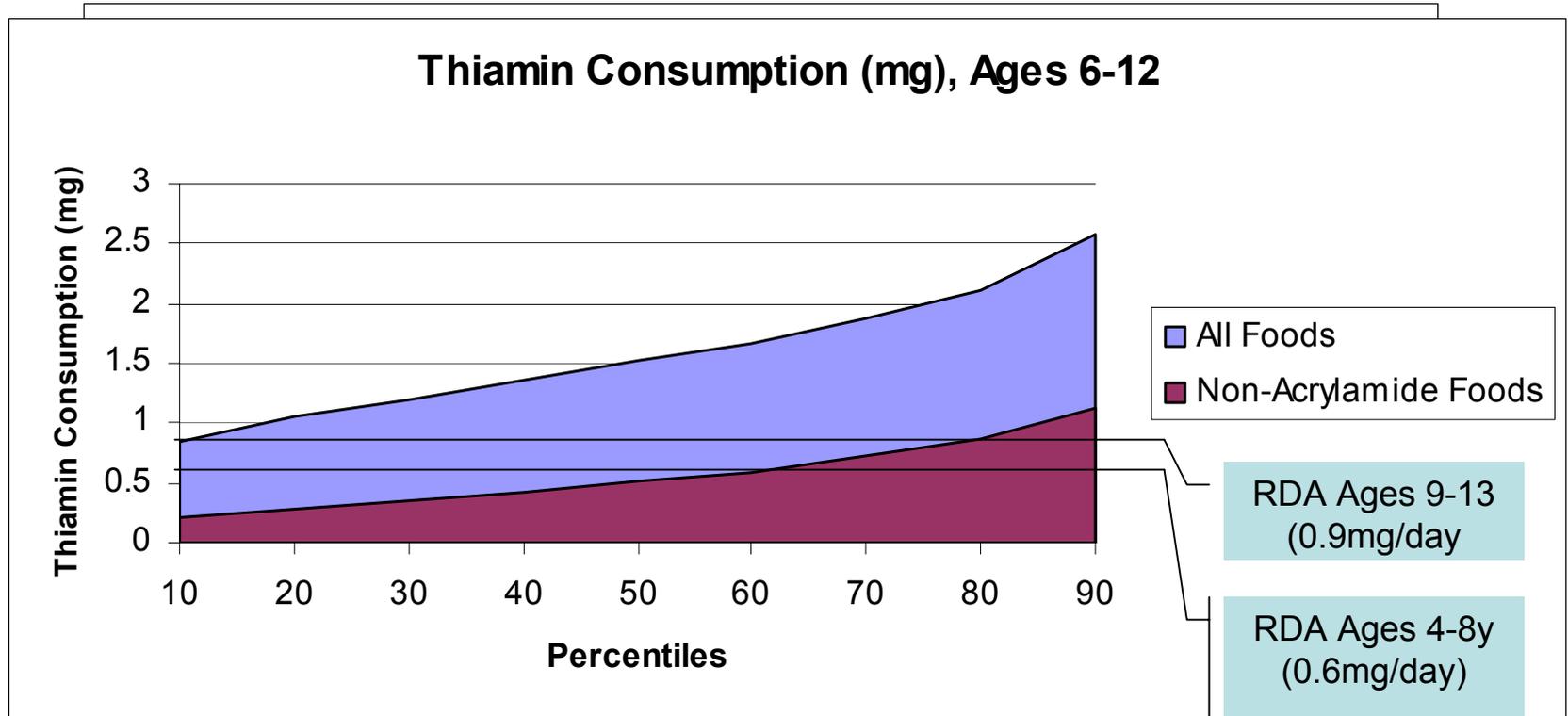
Energy, Ages 6-12



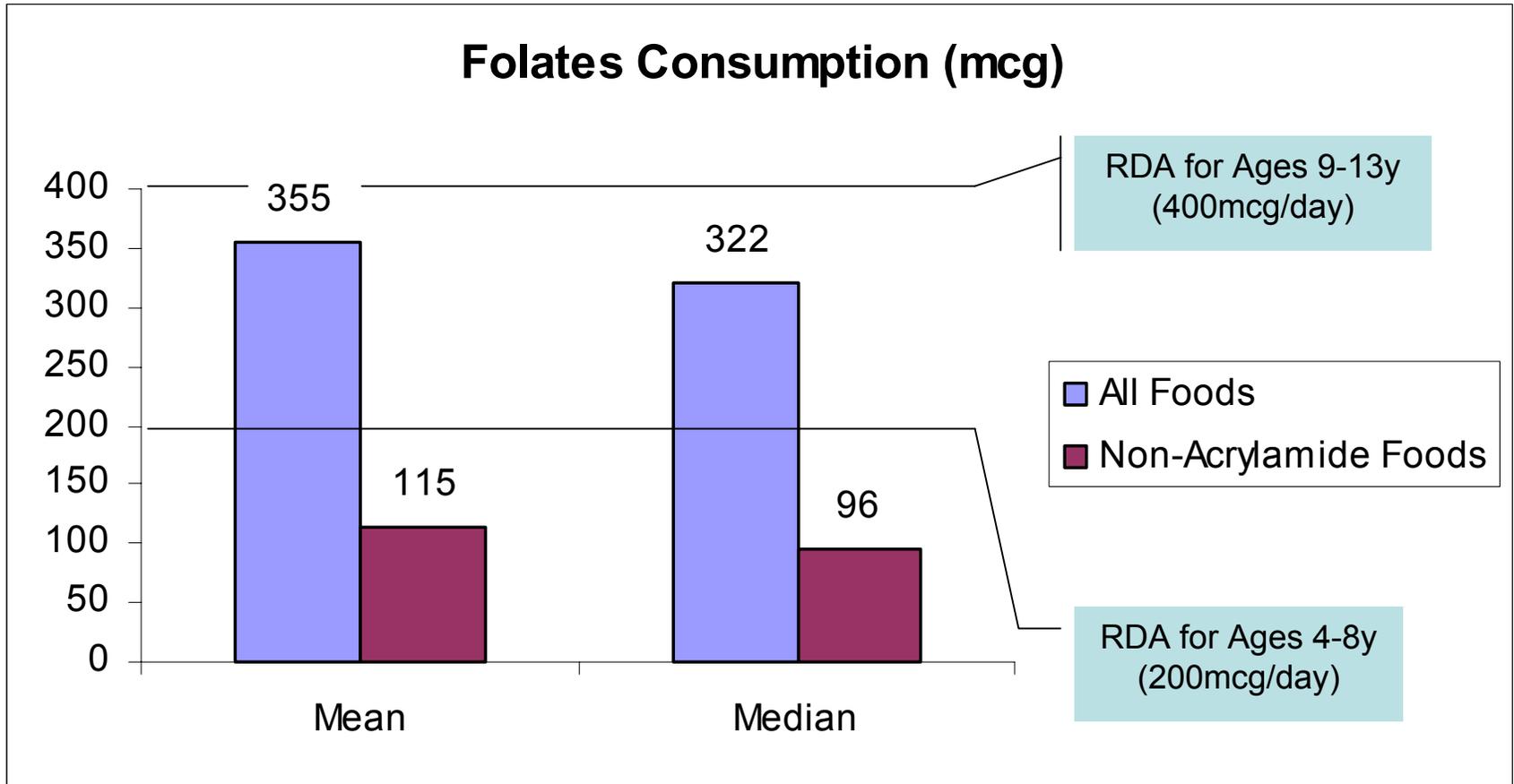
Thiamin



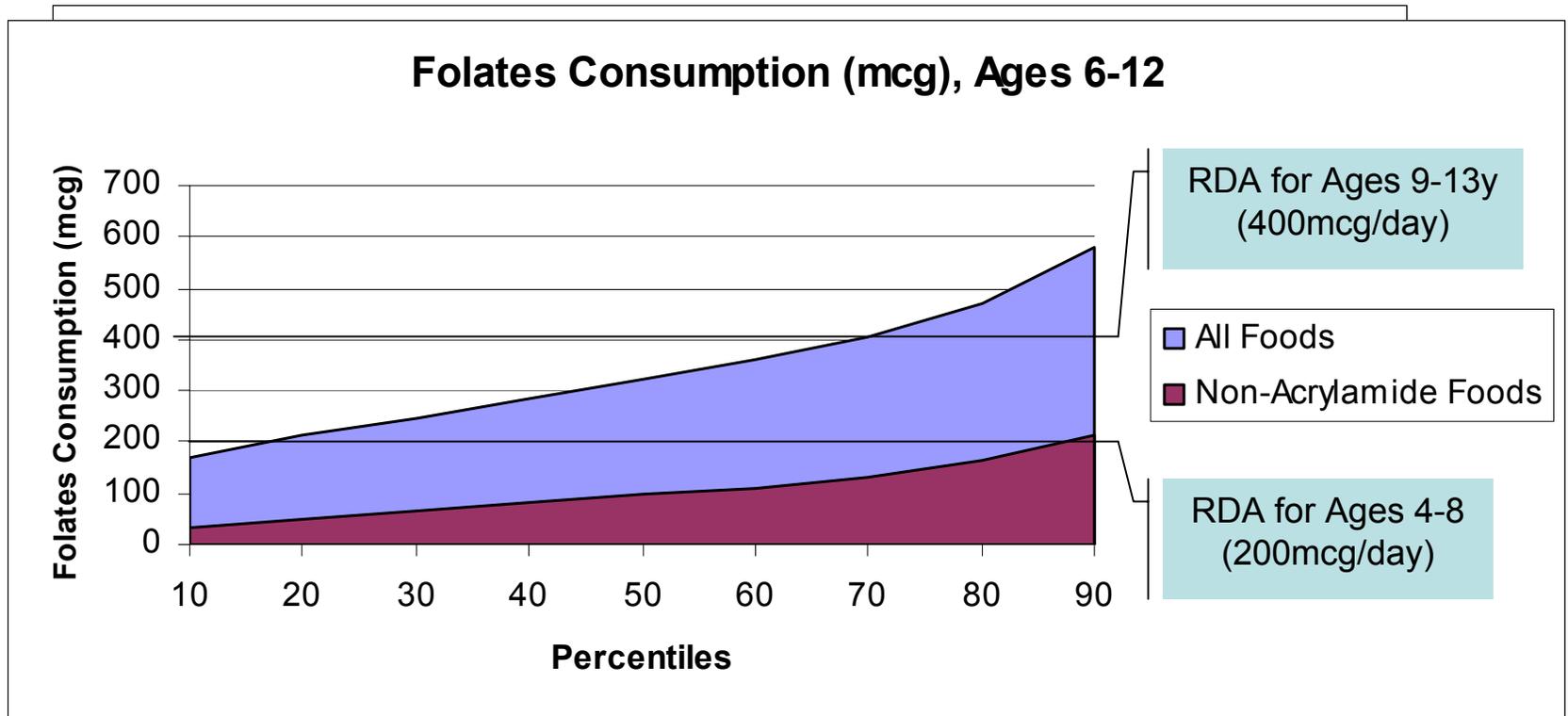
Thiamin



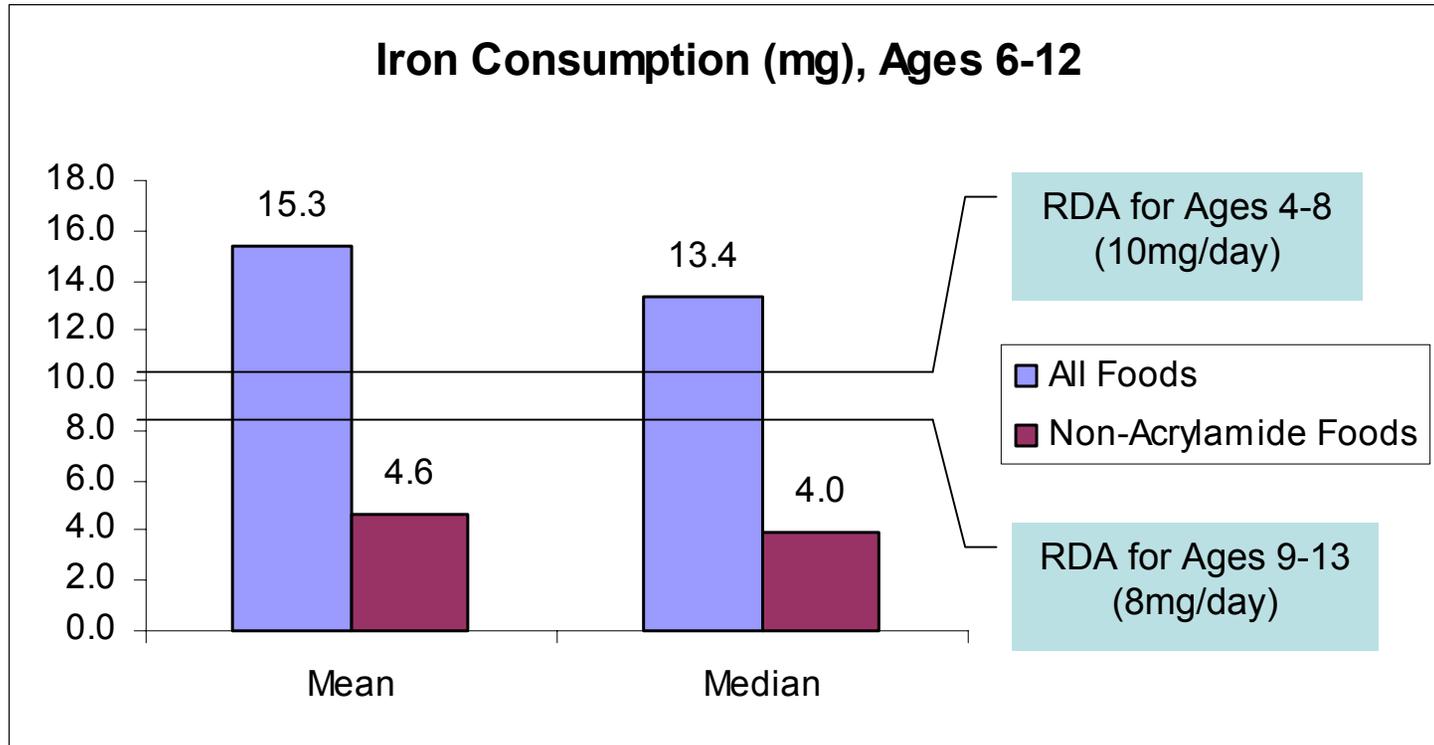
Folates



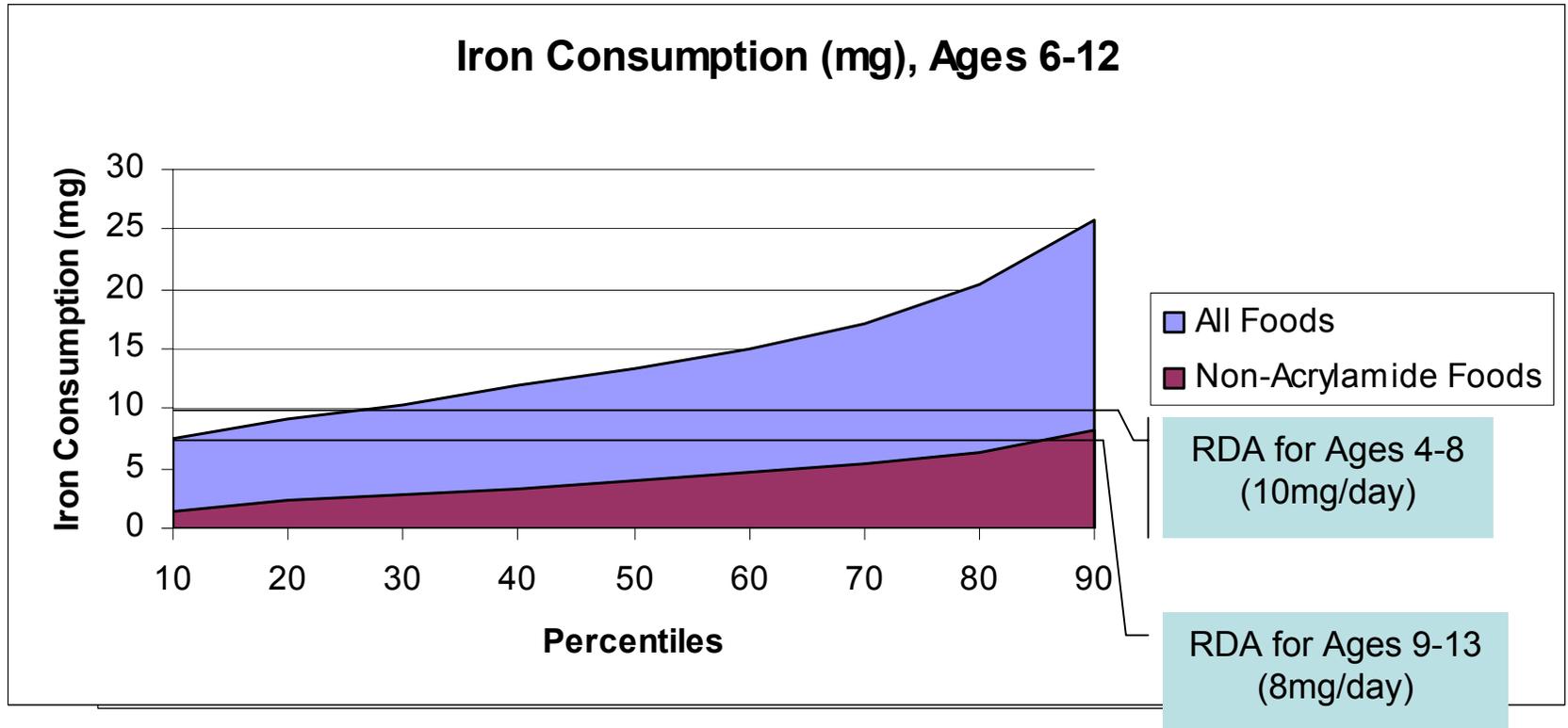
Folates



Iron



Iron



Conclusion

- Foods containing acrylamide are a major part of the diet
- We don't know the overall effect that a warning label will have on nutrition and health
 - How will people respond to the label?
 - What foods will they substitute?

Thank You!

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