



NCCD | Children's
Research Center

Applying an Equity Lens to Risk Assessment

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NCCD Children's Research Center:
Just and equitable systems.
Research. Policy. Practice.



Please provide one word describing a risk assessment that gets it right.

What We Are Going to Talk About Today



When it's
appropriate to use
risk

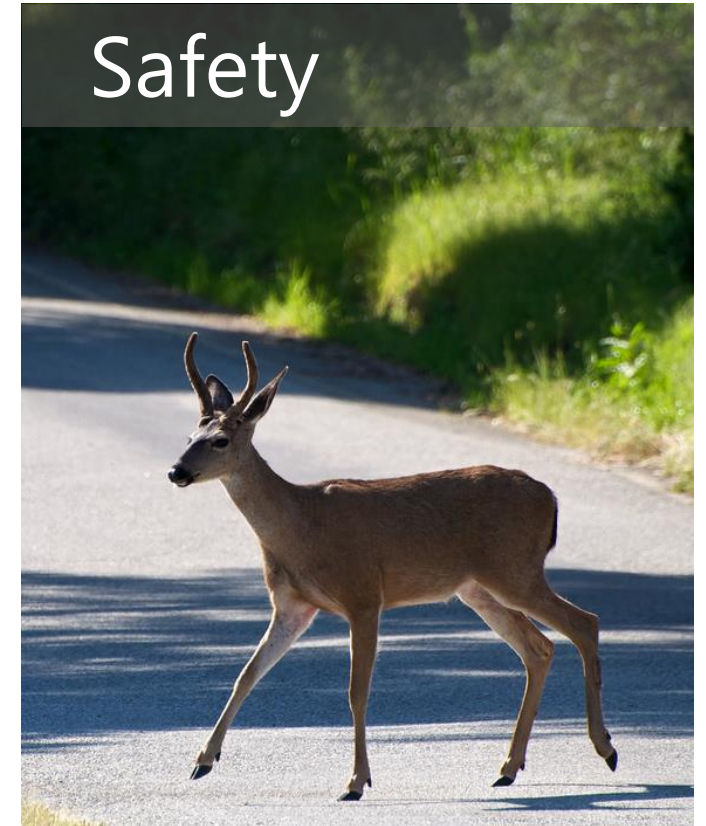


How risk
assessments are
developed

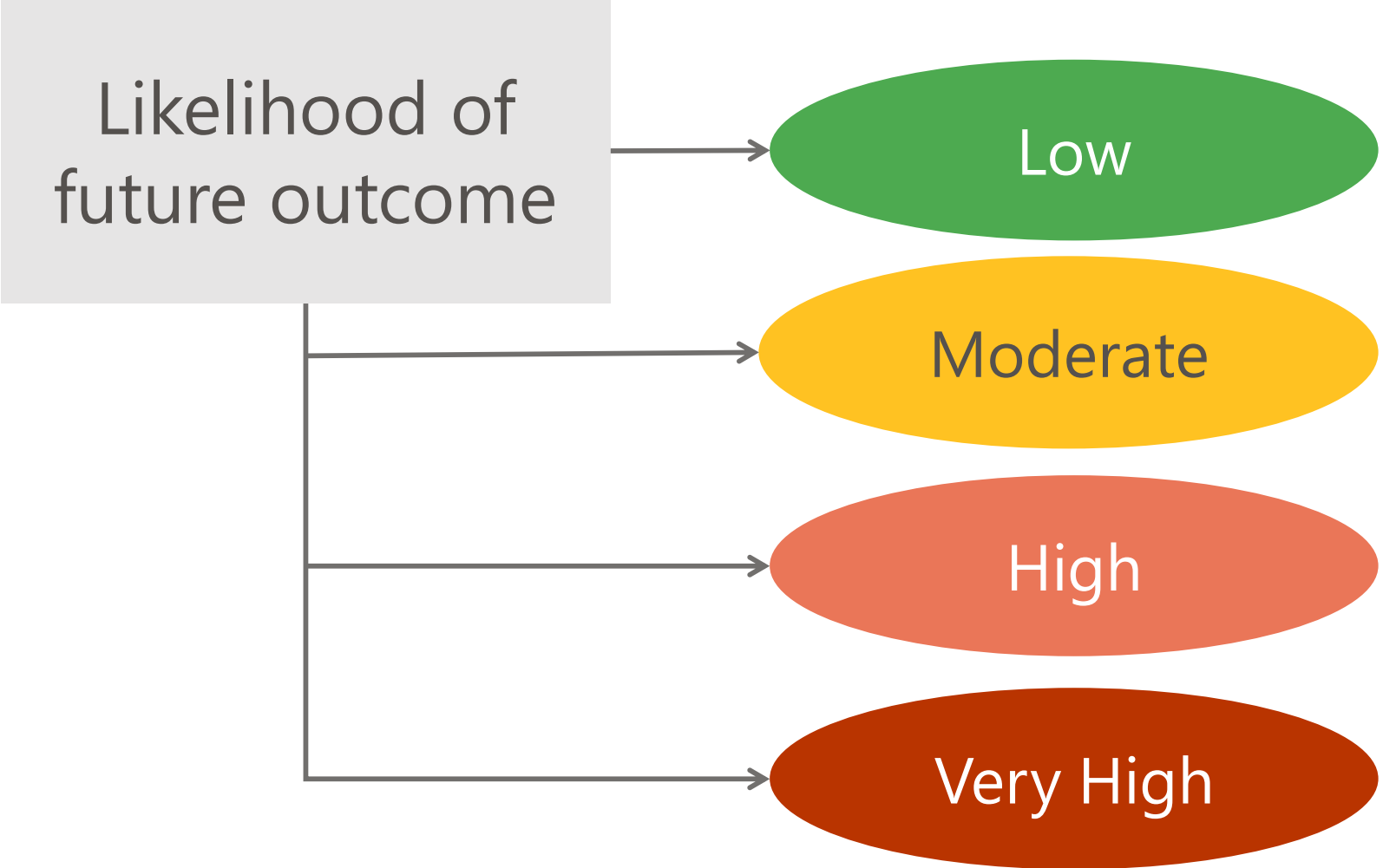


What it means to
be "valid"

The Difference Between Risk, Need, Safety



Risk Classification

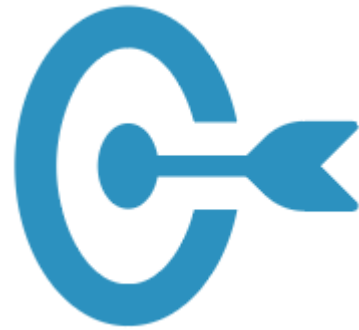


Purpose must balance potential opportunity with unintended consequences

Getting it Right



Useful



Accurate

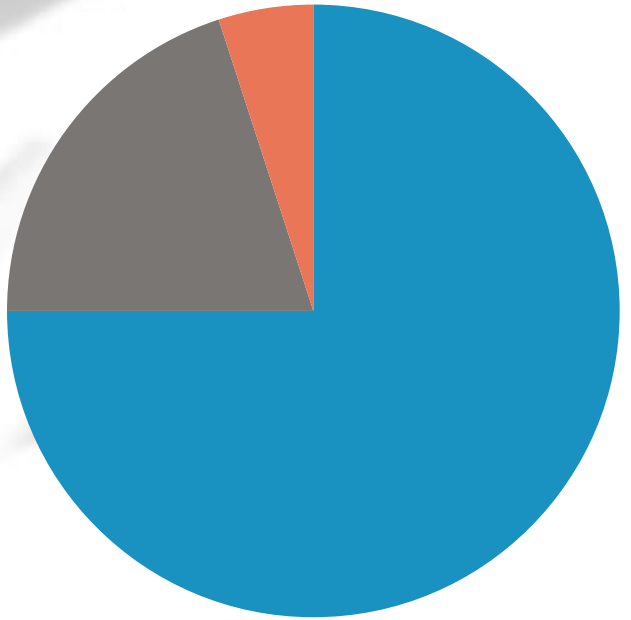
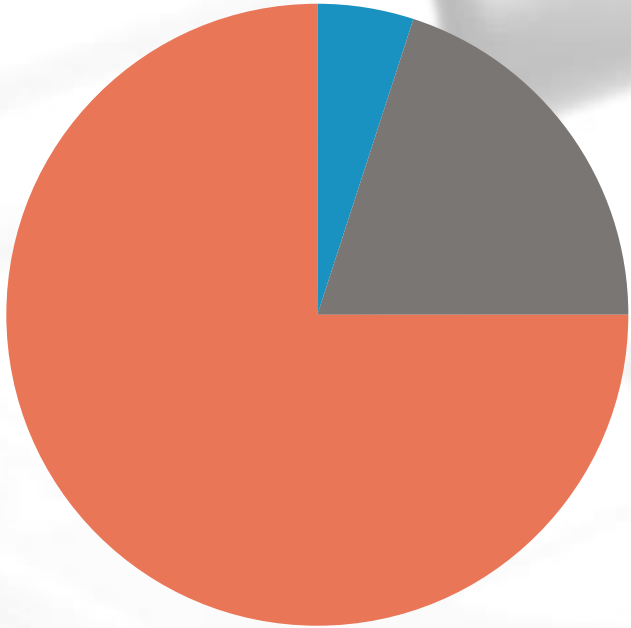
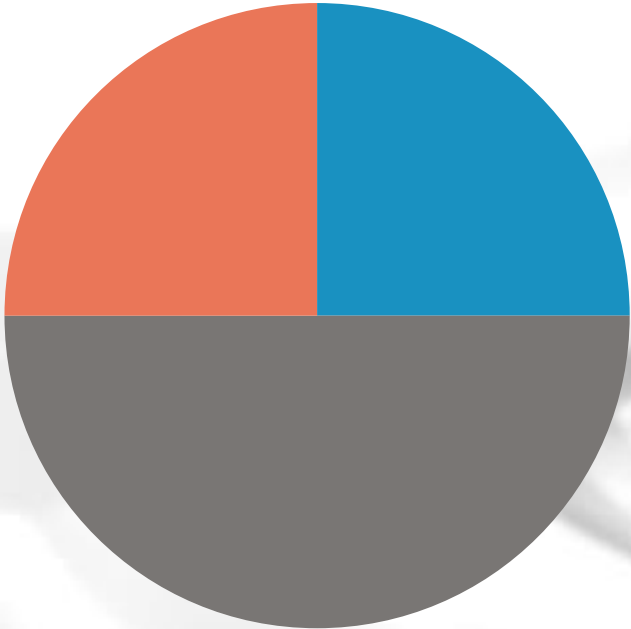


Fair



Consistent

Is Risk Assessment Useful?



■ Low

■ Moderate

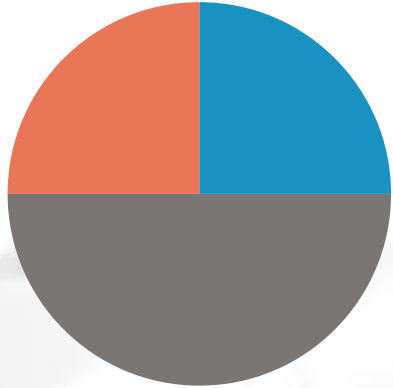
■ High

Is Risk Assessment Accurate?

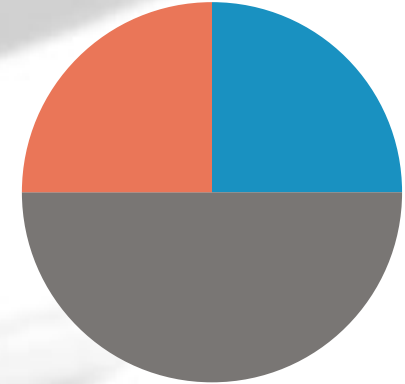


Time goes by . . .

Is Risk Assessment Fair?



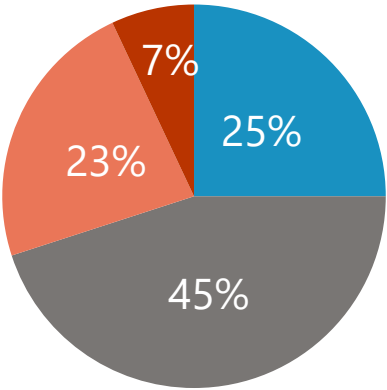
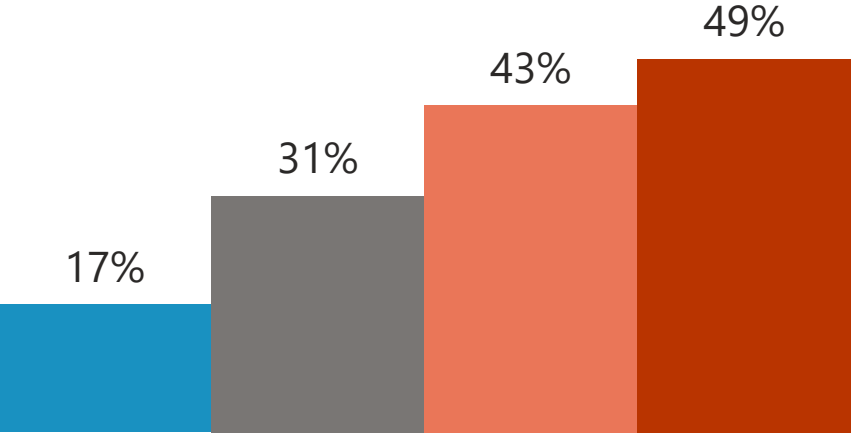
Equal



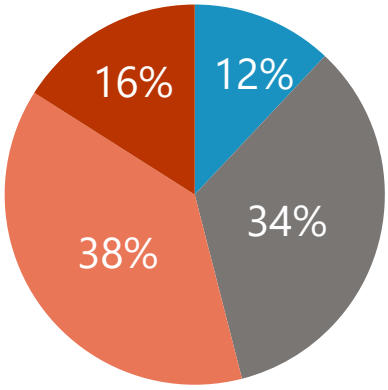
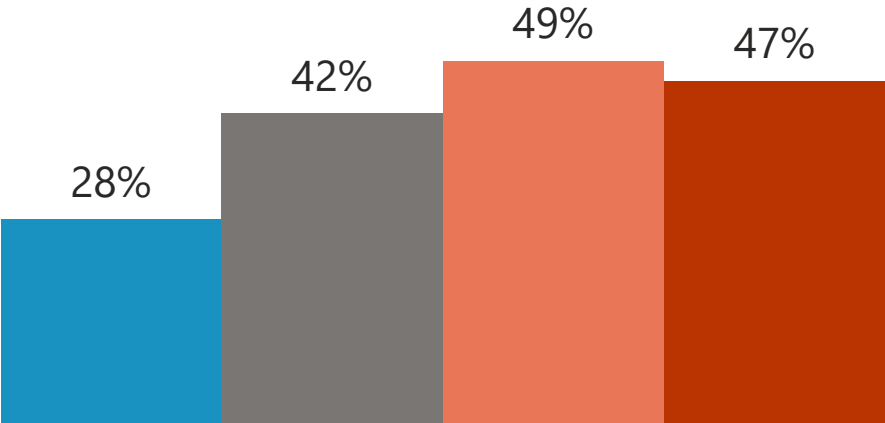
Equitable



Is This Risk Assessment Valid?



All Families



Native American Families

- Low
- Moderate
- High
- Very High

Is the risk distribution useful?

Yes **A**

No **B**

Is the risk classification accurate?

Yes

No

Is the risk classification fair?

Yes

No

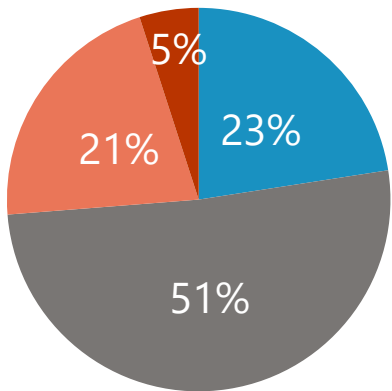
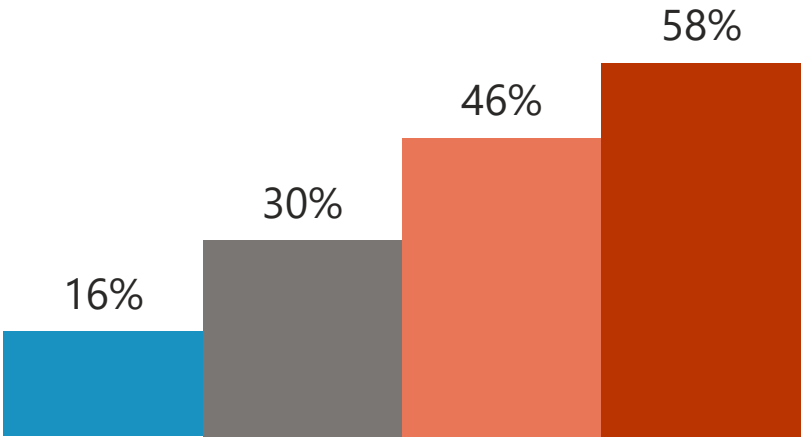
Risk Continuous Quality Improvement: Revalidation

$$Y = \beta_0 + \beta_1 X_1 + \beta_2 X_2 + \dots + \beta_n X_n + \epsilon$$

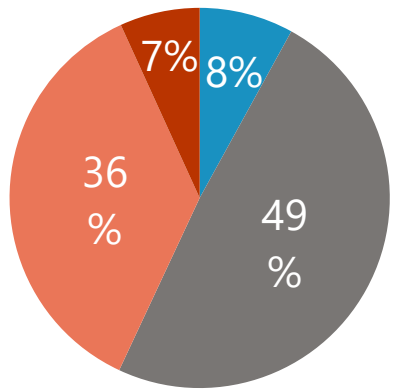
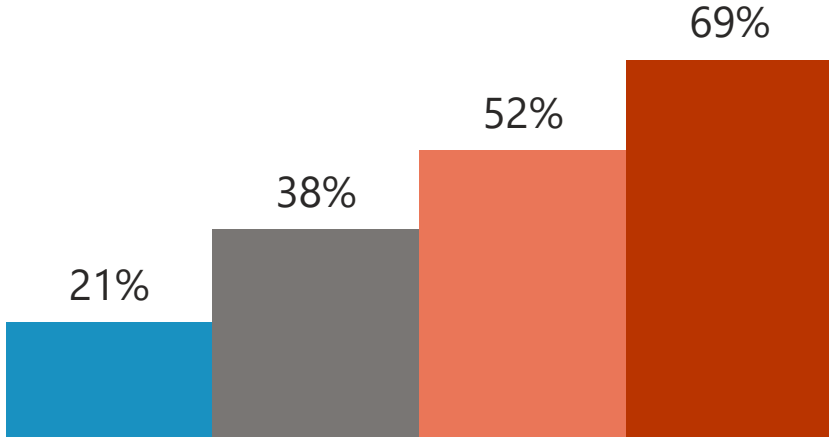
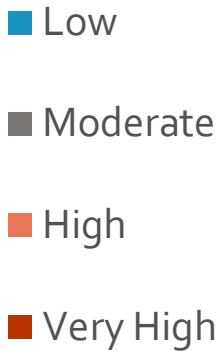
where Y is the dependent variable
 β_0 is the intercept term
 β_n are the n coefficients for independent variables
 ϵ is the error term



California Example: Refining the Risk Assessment



All Families



Native American Families



Modeling Exercise



What Did We Learn?

The right risk model may not always be the most statistically accurate risk model.

A woman with short, dark hair, wearing a bright orange blazer and large hoop earrings, is seated at a wooden conference table. She is gesturing with her hands as if speaking. In front of her is a laptop. To her right, the back of a person's head and shoulder is visible. The background is a bright, modern office space with large windows and blurred figures of other people.

Key Questions for Ethical Risk Assessment

Please provide one word describing a risk assessment that gets it right.

Thank you!

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or call (800) 306-6223