



Funding statement and disclaimer

- This study project was funded by a U.S. Department of Education Institute of Education Sciences 2015 Statewide Longitudinal Data Systems grant obtained and lead by the state of Washington Office of Financial Management's Education Research and Data Center and completed under contract by CAFRU. One hundred percent of the \$226,409.50 total cost of this project was financed with Federal money, and no non-governmental sources funded this project.
- The author has no conflicts of interest to disclose

Copyright © 2016 WSU Child and Family Research Unit. All Rights Reserved

2



Summary of key WaKIDS findings

- The organizing power of poverty and ACEs when describing risk.
- Poverty is a principal tool for explaining individual and school differences in academic success. Community ACEs offers meaningful added explanatory power.
- ► Hispanic and ELL status for both individuals and schools are primary mediating factors when examining school readiness, academic progress, and social risk.
- The type of community influences social risk and academic outcomes.

Copyright © 2016 WSU Child and Family Research Unit. All Rights Reserved

.

1



Magic Wand: Three Research Based Strands: Key Factors Common To All Competent Children

- **Relationship:** A strong parent-child relationship, or, when such a relationship is not available, a surrogate care-giving figure who serves a mentoring role.
 - The power of caring people to help children heal
- Regulation: The ability to self-regulate attention, emotions, and
 - The ability of natural systems to teach and support
- Competency: Good cognitive skills, which predict academic success and lead to rule-abiding behavior
 - The role that education systems can have to help with healing



Neighborhoods and 'area deprivation'

- Deprivation-a lack of critical assets needed to support health and wellbeing.
- Poverty and segregation as the two principal area characteristics studied
- Early use of adversity measures as a neighborhood characteristic

Place matters

Out-of-school influences on school success

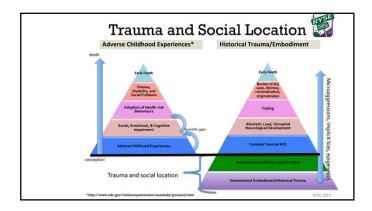
- Non-genetic issues such as access to care in pregnancy that create prenatal challenges to development
- Inadequate access to health care
- Food insecurity
- Family stress and disruption
- Environmental pollutants that compromise health and
- Neighborhood factors such as access to social support and safety.

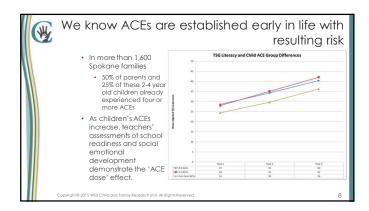


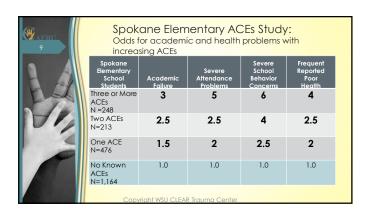
Some framing information

Poverty and children

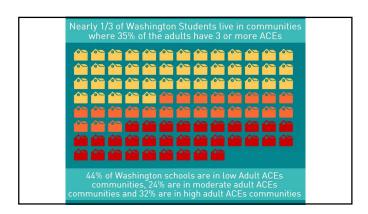
- Nationally, 40% of children will live in Washington students: poverty at some time in their childhoods
- Among Black and Hispanic students, 75% v. 30% White students
- 43% of Washington students are Free and Reduced Meal (FRM) enrolled
 - Family of three- \$37,296 annual gross income
- 64% of WaKIDS children FRM enrolled
- Our increasing diversity
- 23% Hispanic, 11% English Language Learner (ELL)
- WaKIDS sample
 - 32% Hispanic, 26% ELL
- Special education enrollment
 - 14% K-12
 - 11% WaKIDS sample

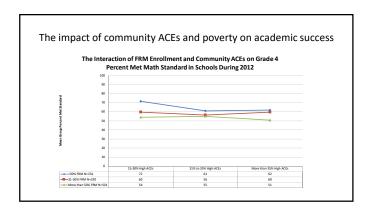


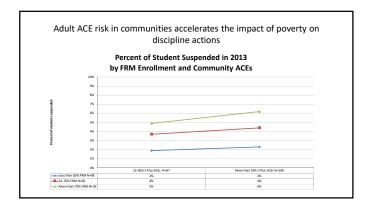


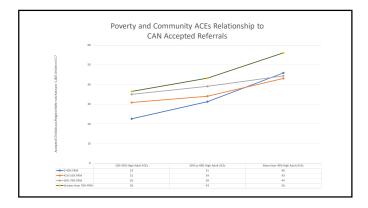


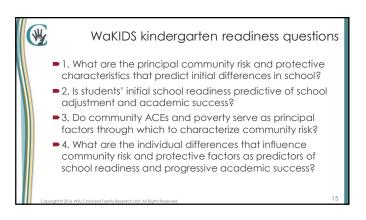
Poverty and ACEs in communities are not correlated Poverty in School Districts (Locales) Adult ACEs in School Districts (Locales) Adult ACEs in School Districts (Locales)

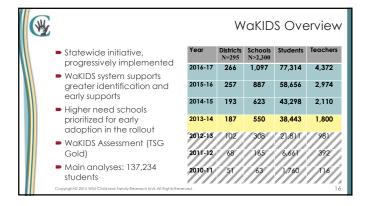


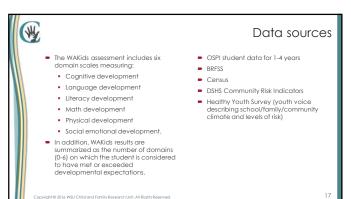


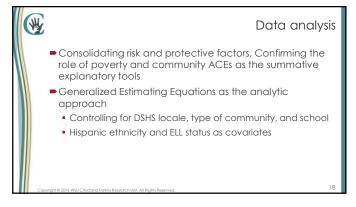














Key factors influencing the analysis

- Controlling for locality (DSHS locale, community type, and schools)
- The profound effects of Washington's increasing diversity
 - Hispanic ethnicity
 - ELL student status
- Constraints of administrative data sets to address research questions
- Nature of the WAKids assessment tool
- Cumulative three year Kindergarten data and the look at the 2013-14 Kindergarten cohort over three years

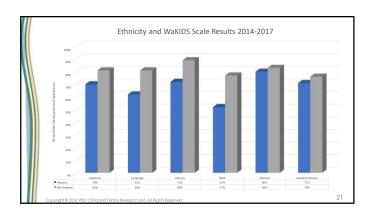


Individual and school differences impacting school readiness

- Individual
 - Gender
 - Hispanic ethnicity
 - Poverty
 - ELL status
 - 72% of ELL students are Hispanic

■ <u>School Characteristics</u>

- Poverty
- Percent Hispanic enrollment
- Percent ELL students
- Type of community





School Poverty and Community ACEs as Mediators of School Readiness

School FRM Enrollment

- Significant linear impact on school readiness for all seven WAKids dimensions
 - App. 10% mean pass differences lowest to highest poverty groups
- Hispanic and ELL student enrollment related to lower academic performance AND lower reported social riskspossible evidence for the Hispanic Paradox.

Community ACEs

- Significant predictor of WAKids results on four of seven dimensions
 - Total domains school ready
 - Cognitive
 - Language
 - Literacy
 - Math
- Main effect is after controlling for poverty, locality, ethnicity, and ELL status
- 2-4% mean pass percent differences between lowest and highest ACEs communities

Copyright © 2016 WSU Child and Family Research Unit. All Rights Reserved

22



Factors Influencing Early Academic Experiences

- Validating WAKids results
 - Progression into special education
 - Chronic absenteeism
 - State standardized test results in grade 3
- Individual differences
 - Race, gender with respect to absenteeism and discipline
- An interaction effect of poverty and community ACEs
 - Absences and discipline

Copyright © 2016 WSU Child and Family Research Unit. All Rights Reserved

23

