

Risk Variation, Kindergarten Readiness & CHIP's Responsive Actions

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Who is Eligible?

*Under age 4 at enrollment

*Eligible for Medicaid and live at or below 185% of poverty

What are CHIP services?

Monthly Home Visits Include:

Coordination of Health Care

- Health and developmental screenings
- Nurse Case management for pregnant moms, asthma and other medical conditions
- Health literacy support for guardians
- Establishment of medical and dental home
- In home application of fluoride varnish & oral health education
- Mental health case management
- Transportation to doctors appointments



Family Strengthening & Support

- Family Goal Setting
- Books supplied at each home visit
- Parenting education, support, referrals and follow-up
- Kindergarten preparation



Method

A matrix of child and family characteristics of children enrolled in CHIP was developed. Children were identified as having the risk factors. Student ID's from Roanoke City Public Schools (RCPS) were matched for each child, then de-identified. The Phonological awareness and Literacy Screening (PALS) was taken in the Spring and again in the Fall through RCPS and the Fall Pass/Fail score abstracted from student records of CHIP enrolled children for the 2014-15 school year data. Data was sorted by the pass/fail rate for each risk factor or combinations of risk factors.

Questions:

1. What risk factors and/or combination of risks most effect school outcomes?
2. How can we use school performance data to enhance the quality of our home visiting program and supports available to families?

Demographic

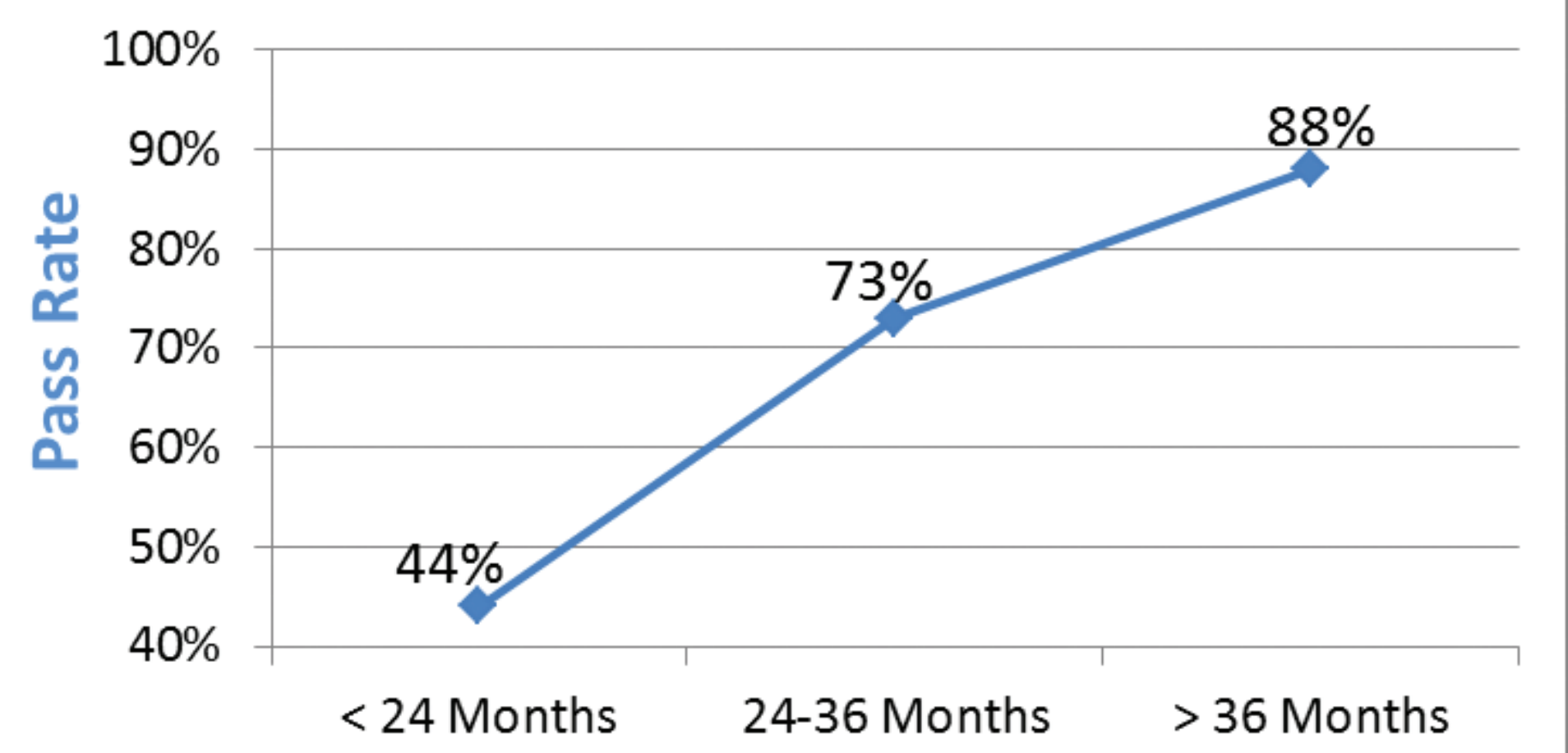
Data based on cohort of 70 children being discharged for kindergarten entry.

- 73% of these children had a chronic medical condition
- 37% were dual language learners
- 17% had chronic asthma
- 8% were homeless
- 21% had a history of child abuse
- 54% of guardians had a mental health diagnosis

Outcomes for 2014 Kindergarten Year

- 80% kindergarten ready (passed PALS-K assessment by school personnel)
- Parent Education level is a potent risk factor
 - 10th grade education or less- 66% pass rate
 - 11th and above- 90% pass rate
- 88% of children whose parent did not have a mental health diagnosis passed, versus 74% of children with a parent diagnosed with a mental health condition
- Dual Language Learners score lower- 73% pass rate

Length of Enrollment a Predictor of Kindergarten Readiness



Implications for Continuous Improvement

- Risk factor monitoring & individualization of services
- Spanish/English Kindergarten Readiness Materials developed
- Referral Packet for discharge to include tutoring and homework help
- Some risks will have automatic referrals to counseling
- Provision of incentives given at each anniversary



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