

Developmental Screening in Early Childhood

A Healthcare-Fueled Project to
Improve Kindergarten Readiness

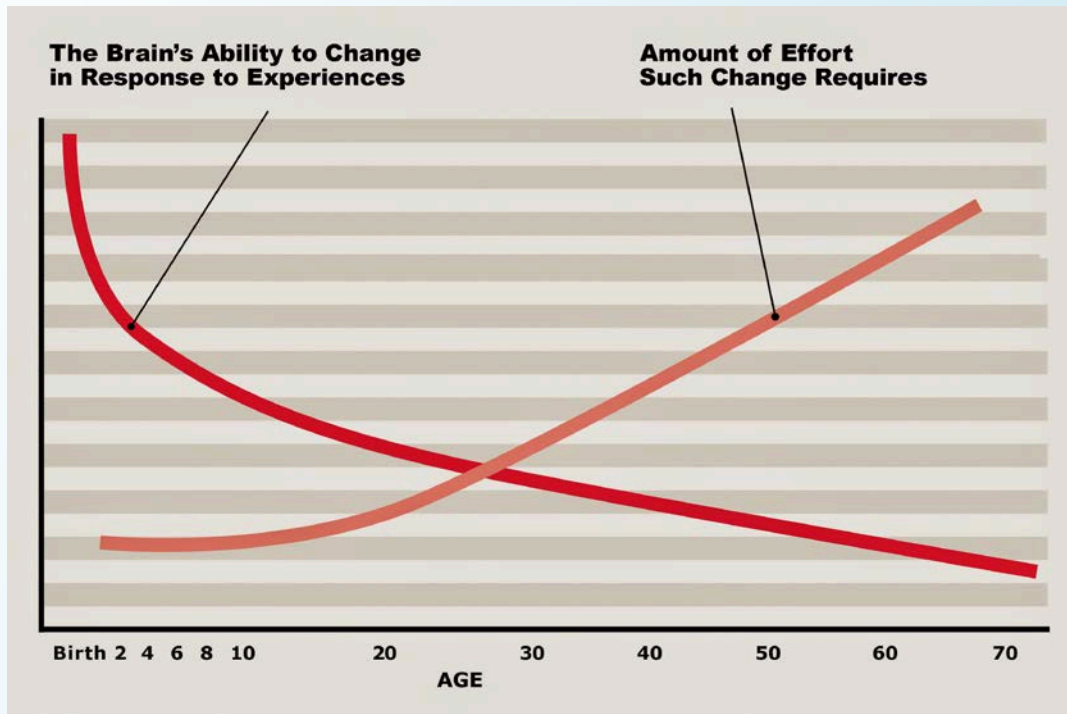
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Early Childhood (Ages 0-5)

- 85% of brain development occurs between the ages of 0 and 3 ⁽²⁾
- All babies are born with billions of neurons, which connect at a rate of 700 neural connections per second in the first 5 years ⁽³⁾
- These connections build the **brain architecture** needed for every child's success
- Early childhood experiences shape the developing brain. In the absence of positive experiences, the brain's architecture will not form as expected, resulting in potential developmental delays.⁽⁴⁾





- It is easier, less costly, and more impactful to intervene early in the development of a child's brain than it is to do so later.⁽⁵⁾



Developmental Delays & Effective Interventions

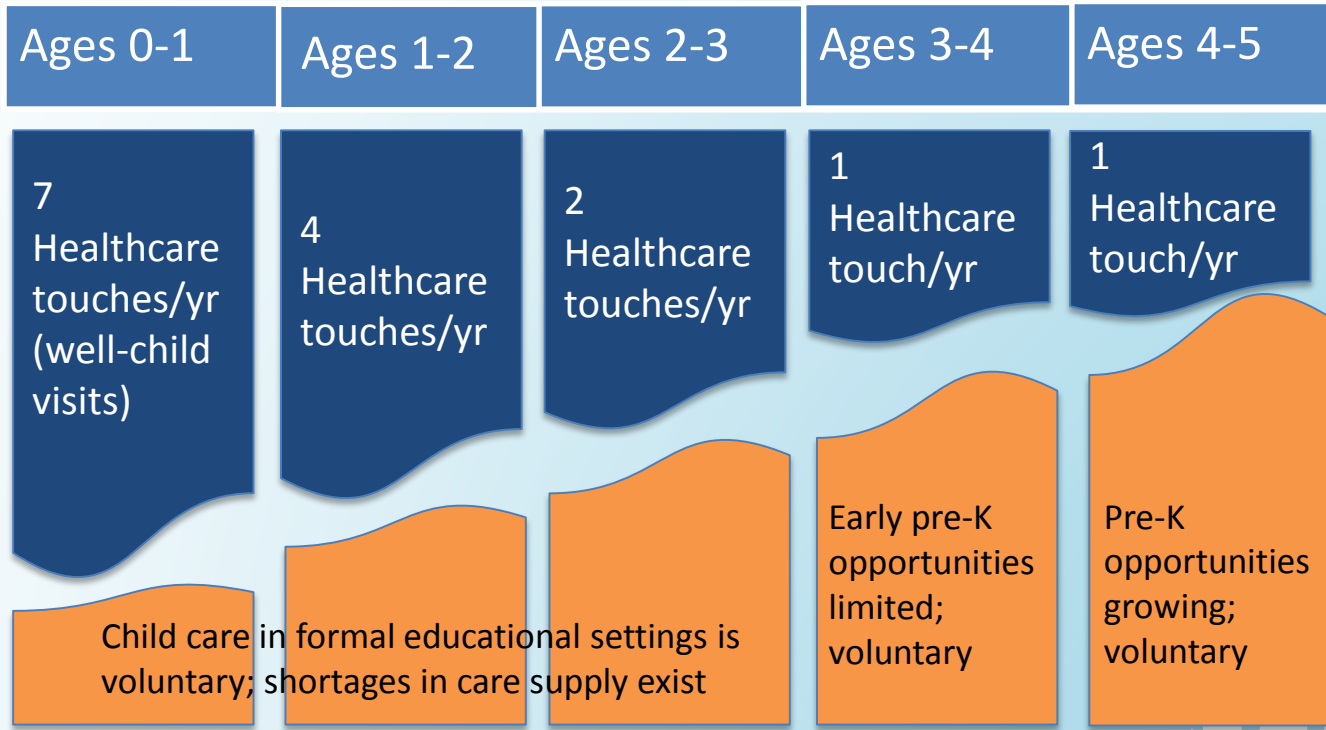
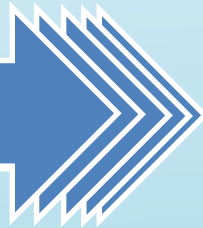
- Recent studies suggest that 1 in 4 children aged 0-5 are at-risk for a developmental delay ⁽⁵⁾
- Medicaid-enrolled children have a **two-fold** higher prevalence of developmental delay compared to privately-insured children ⁽⁶⁾
- When identified in a timely manner, referral to Early Intervention services improve outcomes for children with delays ⁽⁷⁾
- Services such as occupational therapy, physical therapy, speech therapy, etc. are provided in-home and at no-cost to families.



How Can Healthcare Help?



Healthcare Uniquely Positioned for Impact



Healthcare Sector

Education Sector



Improving Identification of At-Risk Children

- American Academy of Pediatrics (AAP) 2006 guidelines were issued to improve the early identification of developmental delays, including developmental screening at the 9-, 18-, and 30-month visits
- However, gaps in assessment remain
 - Only 23% of pediatricians in a national survey reported using a standardized screening tool ⁽⁸⁾
 - In a New York State study, only 16% of children who had a documented developmental screen were screened using a CHIPRA approved, comprehensive, standardized screening tool. ⁽⁹⁾
- Racial disparities have been identified in receipt of EI services, even in absence of qualifying condition ⁽¹⁰⁾



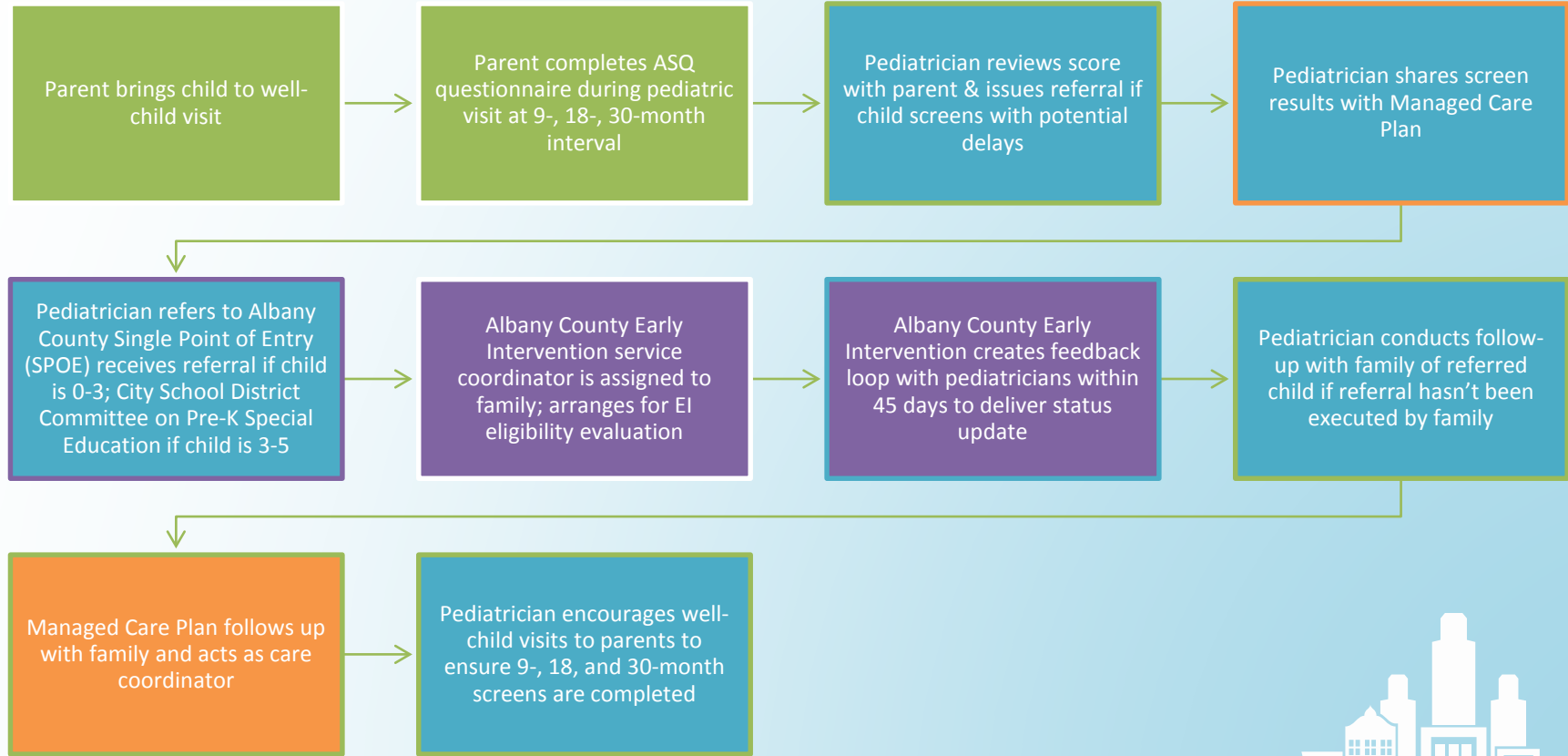
All Albany Kids Ready!



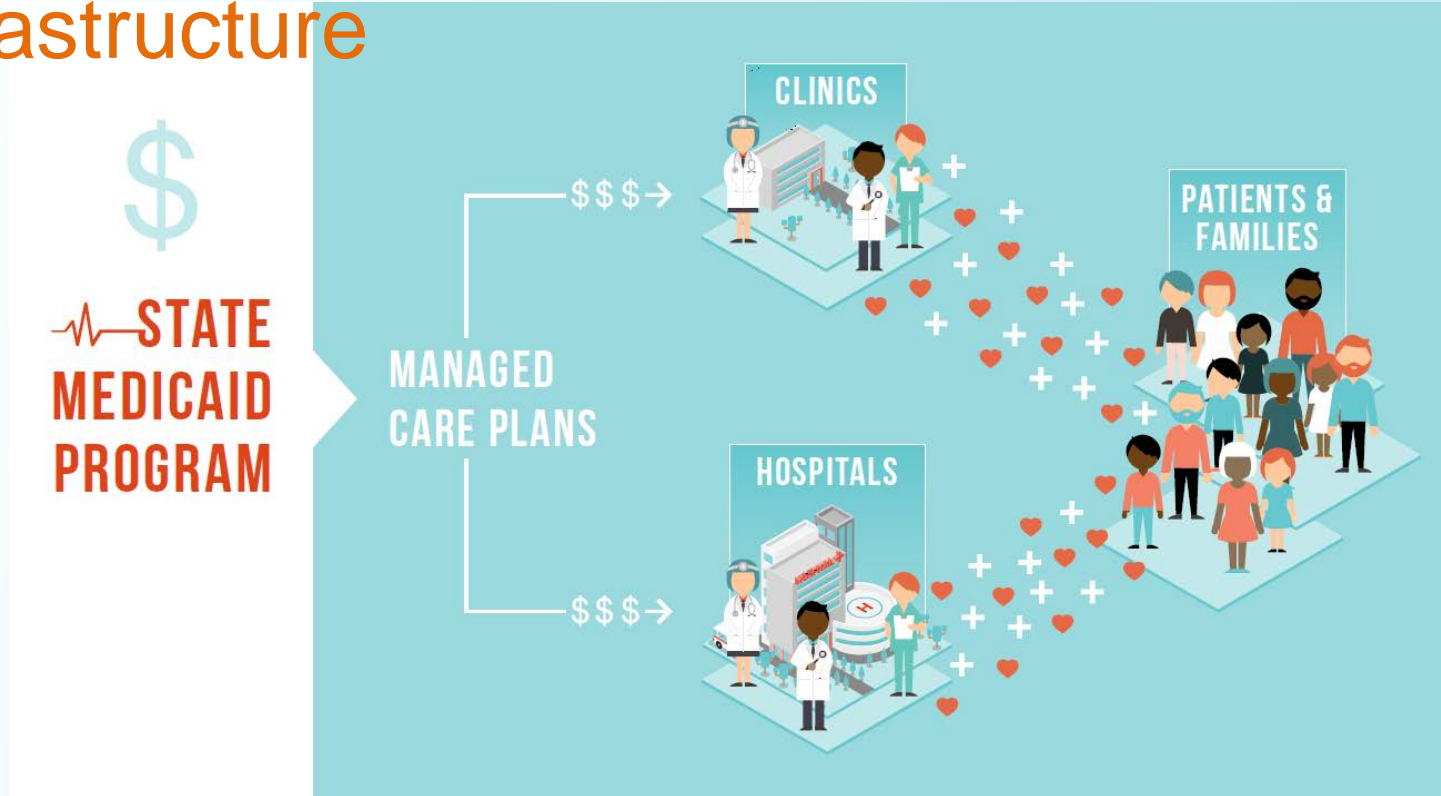
All Kids Ready—Albany County Pilot



All Kids Ready—Albany County Pilot



Leveraging Medicaid via Cradle to Career Infrastructure



References:

- (1) Maryland State Department of Education. 2010. Getting Ready: The 2010-2011 Maryland School Readiness Report. Annapolis, Maryland: Department of Education.
- (2, 3, 4) Center on the Developing Child, Harvard University
- (6) Boyle, Pediatrics 2011
- (7) American Association of Pediatrics, 2006
- (8) Nina Sand, Michael Silverstein, Frances P. Glascoe, Vidya Gupta, Thomas P. Tonniges and Karen O'Connor: "Pediatricians' Reported Practices Regarding Developmental Screening: Do Guidelines Work? Do They Help?" Pediatrics, Vo. 116 No. 1 July 2005.
- (9) IPRO, NY Developmental Screening in Early Childhood; Quality Measure Pilot October 2014, pg. 31
- (10) Feinberg, Journal of Developmental Behavioral Pediatrics, 2011

