

# **BIRTH TO AGE 8**

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# What is Birth to Age 8?



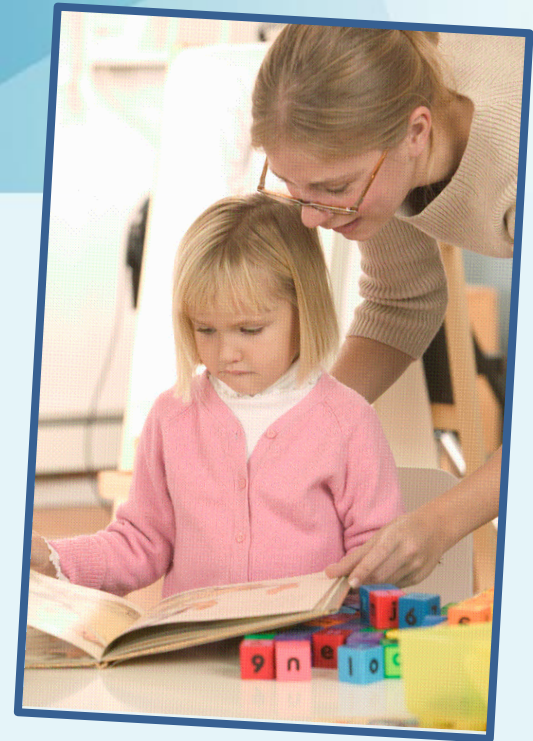
**An initiative that brings essential partners & services together to assure children reach key developmental milestones from birth to age 8.**

# Vision

**100% of identified participants meet the state proficiency reading target by spring of third grade and have their families receive the necessary support to succeed.**

## **Tier 1 Pilot group:**

- **Home Visiting**
- **English Language Learners (ELL), and**
- **Women, Infants and Children (WIC) participants**



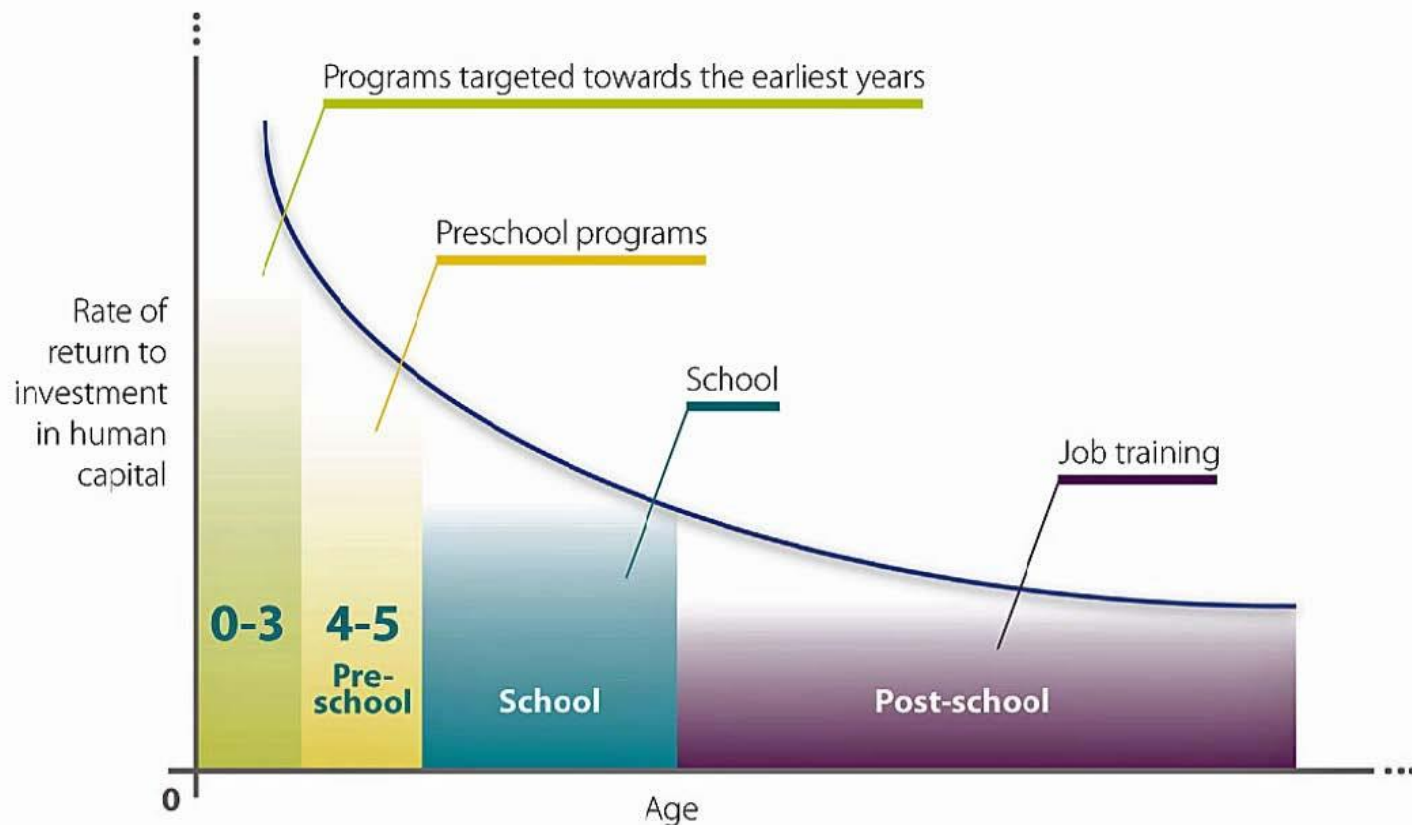
# Why is this needed?

**Investing in their first eight years is critical.**

**Research shows children who are not proficient in reading by the end of third grade are less likely to succeed in school and as adults which has a direct impact on long-term employment & financial stability.**

# Return on investment

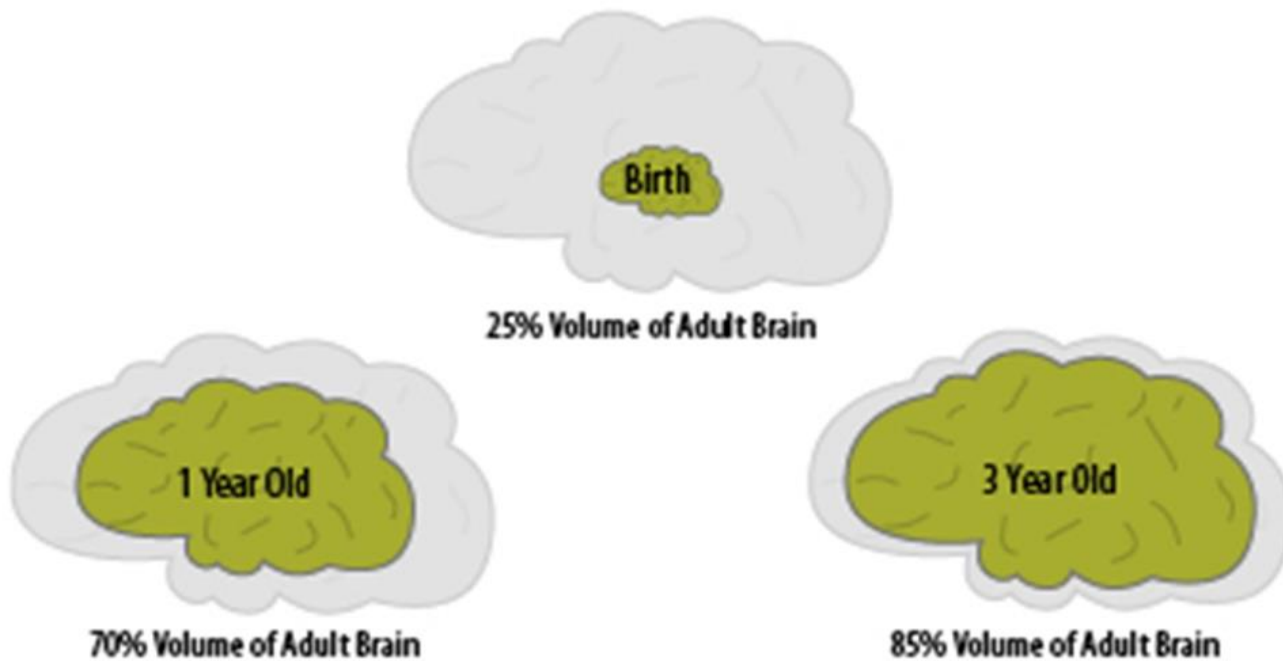
## RATES OF RETURN TO HUMAN CAPITAL INVESTMENT AT DIFFERENT AGES: RETURN TO AN EXTRA DOLLAR AT VARIOUS AGES



SOURCE: JAMES HECKMAN, "INVESTING IN DISADVANTAGED YOUNG CHILDREN IS GOOD ECONOMICS AND GOOD PUBLIC POLICY." STATEMENT PRESENTED TO THE JOINT ECONOMIC COMMITTEE OF THE UNITED STATES CONGRESS. 110TH CONGRESS, FIRST SESSION, JUNE 27, 2007. REPRINTED WITH PERMISSION.

# Early brain development

## Rapid Brain Development in Children

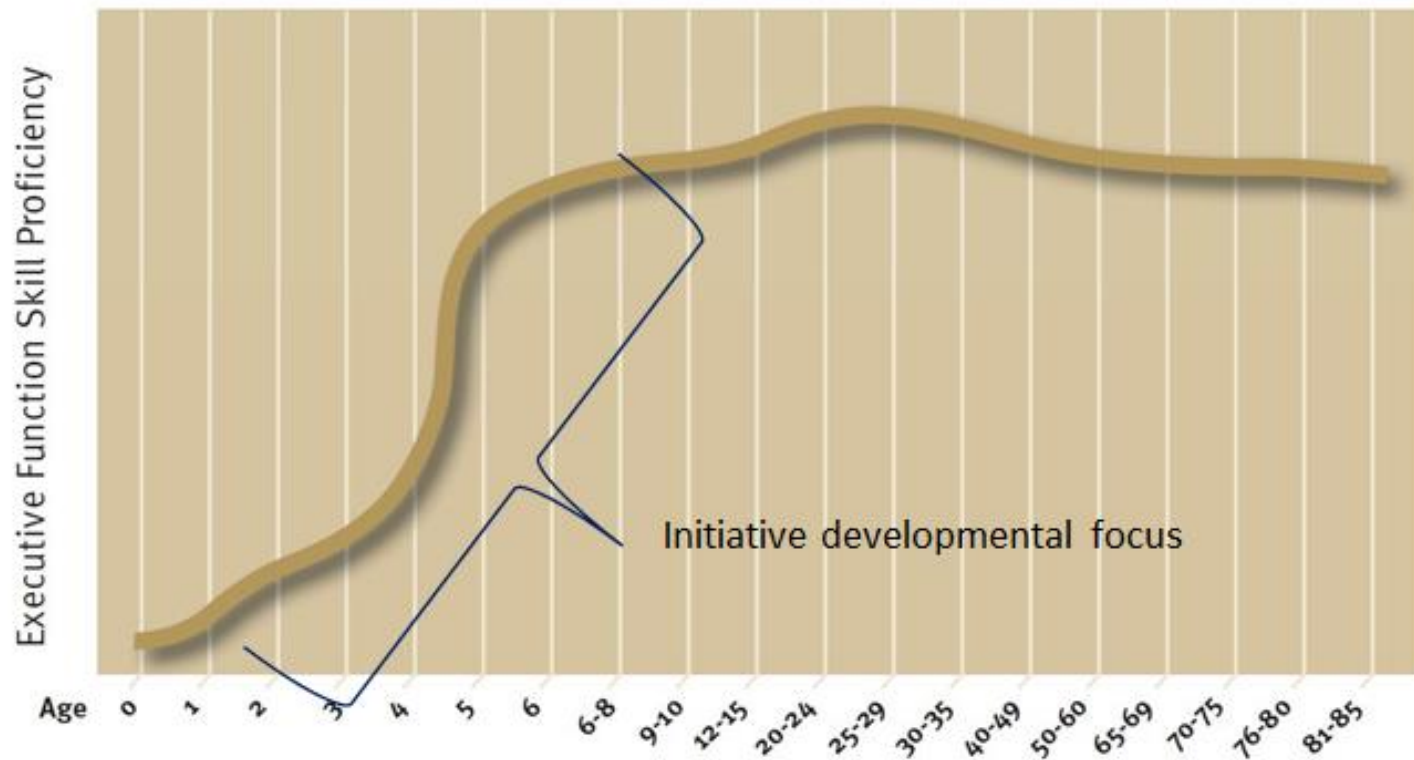


Source: *Wall Street Journal*, "Wise Beyond Their Years: What Babies Really Know," February 11, 2013

<sup>2</sup><http://online.wsj.com/articles/SB10001424127887323511804578298202087733868>

# Early years skill development

## Executive Function Skills Build Throughout Childhood and Adolescence



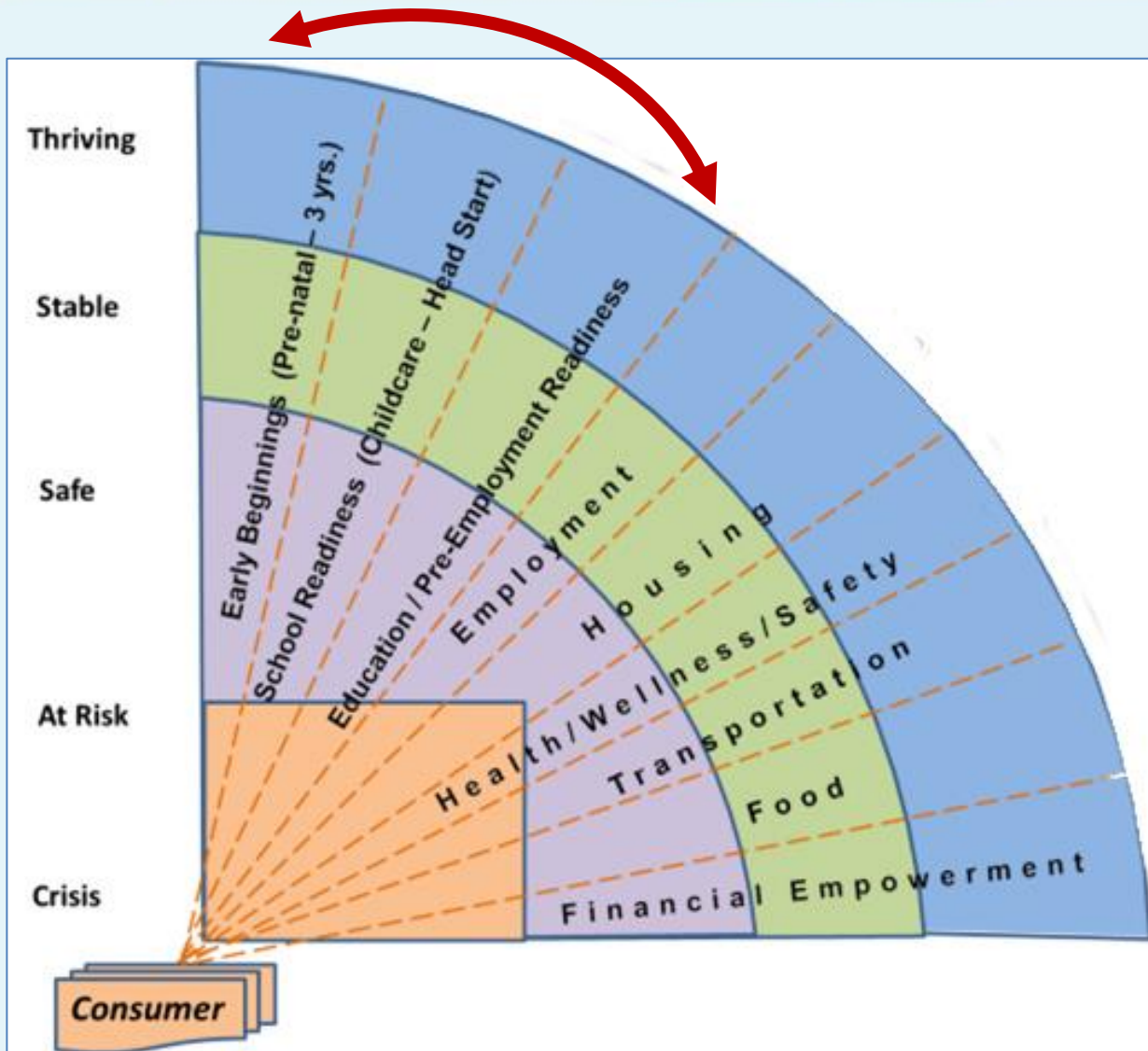
# Social Determinants of Health & Pillars Toward Increased Self-Sufficiency

THRIVING PEOPLE





# Birth to 8 initiatives have an impact across the self-sufficiency value curve



# Who is involved?

- **Superintendents from South St. Paul, Burnsville-Eagan-Savage, West St. Paul-Mendota Heights-Eagan and Inver Grove Heights**
- **360 Communities**
- **CAP/Head Start**
- **Dakota County Community Services**
- **Public Health**
- **Social Services**

# Who is involved?

## Birth to Age 8 Initiative Pilot Project Structure

### Sponsor Group

Superintendents from: South St. Paul (6),  
Burnsville-Eagan-Savage (191),  
West St. Paul-Mendota Heights-Eagan (197),  
Inver Grove Heights (199)  
360 Communities  
CAP/Head Start  
Dakota County Community Services  
Public Health



### Steering Committee

Project Manager  
School Staff from districts 6, 191, 197 and 199  
Public Health  
Children and Family Services  
360 Communities  
CAP/Head Start








Existing collaboratives and ad hoc workgroups used to complete tasks on

- Data MOUs, processes, collection, monitoring, linking to state/national systems
- Performance indicators, outcomes, reporting, key metrics, analysis, linking to state/national systems
- Service Coordination populations, resources, gaps/overlaps; opportunistic strategies; Service barriers

# Birth to 8 Collaborative Initiative

Goal: Develop the capacity to track developmental progress along the continuum (Initial target group - WIC, FH HV, English Language Learners) and share this data.

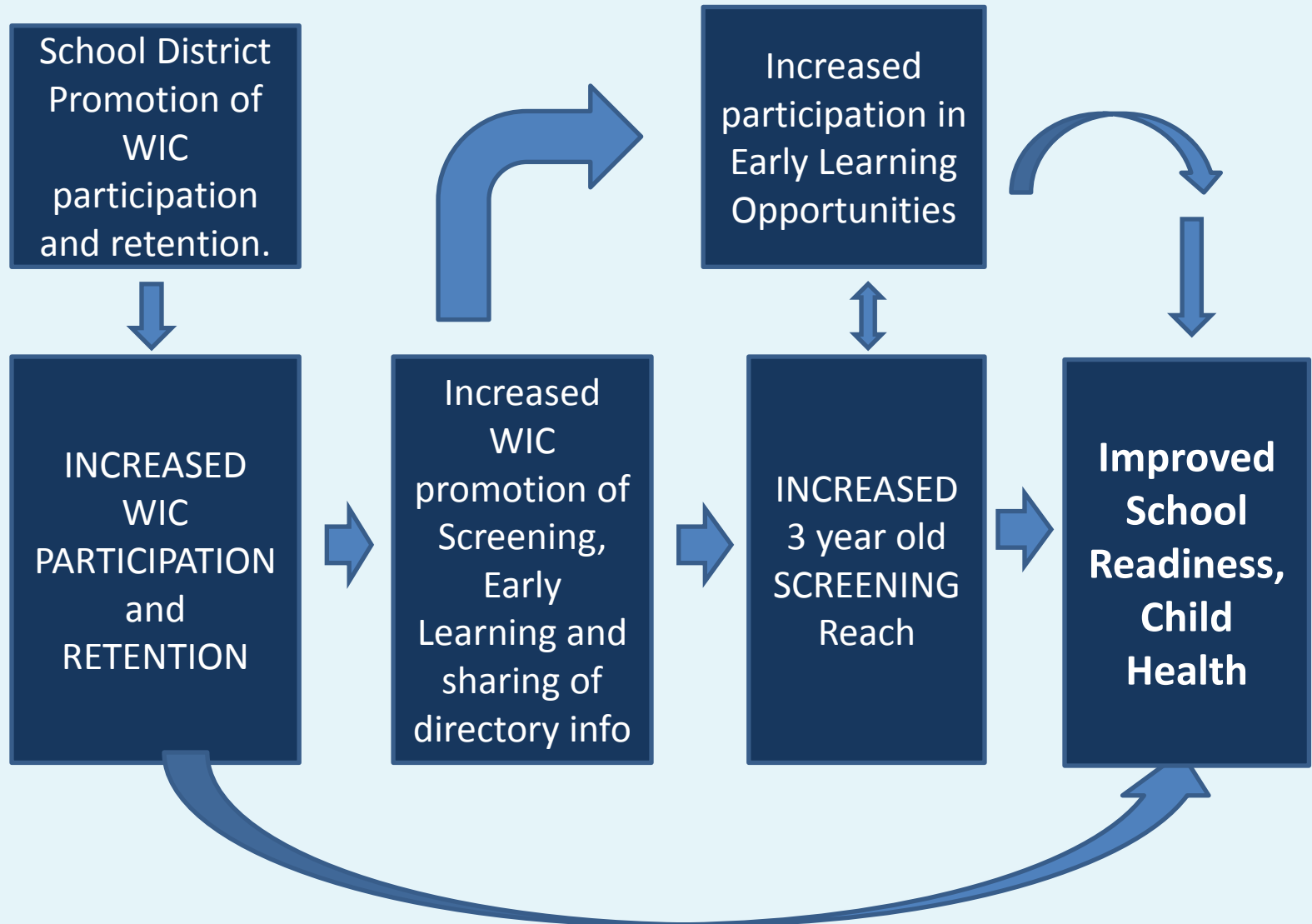
	 Birth	 0 - 36 months	 3-4 Years	 Kindergarten	 8 Years/ 3rd Grade
<b>Benchmarks</b>	<b>Risk Factors from Assessment:</b>	<b>Developmental screening</b> <i>(at recommended intervals)</i>	<b>Early Childhood Screening</b>	<b>Kindergarten Assessment</b>	<b>3rd Grade Reading Level</b>
<p><b>*Indicators measured at each milestone:</b></p> <ul style="list-style-type: none"> <li>- Under 200% of federal poverty guidelines (FPG)</li> <li>- Parental use of tobacco</li> <li>- Maternal level of education</li> </ul>	<ul style="list-style-type: none"> <li>- Less than 2500 grams birthweight</li> <li>- Parent less than 20yrs old</li> <li>- Single mother</li> <li>- Enrolled in MA, WIC or Social Services</li> </ul>	<ul style="list-style-type: none"> <li>- HT/WT/Vision/Hearing - screening indicates concern</li> <li>- Behind on Immunizations</li> <li>- Enrolled in MA, WIC or Social Services</li> </ul>	<ul style="list-style-type: none"> <li>- School District Early Childhood Screening indicates concerns</li> </ul>	<ul style="list-style-type: none"> <li>- Kindergarten Entry Profile Screening indicates concerns</li> </ul>	<ul style="list-style-type: none"> <li>- Two scores below grade level</li> </ul>
<p><b>Services available for children age 0-8 years/families</b></p>					
Public Health	Dakota Healthy Families/Metro Alliance for Healthy Families..... Maternal Child Health Home Visiting..... Women, Infants, Children.....	Follow Along..... Child and Teen Checkups.....			
School		Early Childhood Special Education..... Early Childhood Family Education.....	Preschool/Early Learning..... Early Childhood Screening.....		Core instruction Title One services English Lang. Learning Tiered Intervention Special Education Targeted Services
Social Services	Safe and Healthy Start..... Minor Parent Services.....	Child Abuse Prev. & Treatment Act (CAPTA) dev. screening..... Family Child Care Licensing, Parent Support Outreach, Disability Services..... Early Childhood Mental Health.....			
Other Public Programs		Library Programs..... Child Care Aware.....	Parks programs.....	School-linked Mental Health.....	
Headstart		Early Headstart.....	Headstart.....		
Community non-profit		Parenting Support Programs..... Nursery school and preschool.....			Partners for Success School Based Program.....
Economic Support	Medical/Food/Cash/Childcare Assistance/Early Learning Scholarships.....				
Primary Care	Healthcare/Check-up/Immunization schedule.....				

<b>Factor/Metric</b>	<b>Score</b>	<b>Current Data Source(s)</b>	<b>Comments</b>
Birth: Less than 2500g Birth Weight	5	Birth Record, WIC eligibility interview, EC Screening Health History	Birthweight contributes to risk even when accounting for poverty.
Parental Use of Tobacco	5	Birth Record, WIC eligibility interview,	Tobacco use has high co-morbidity with other substance use and mental disorders.
Maternal Level of Education (on Birth Record – Less than HS Diploma	5	Birth Record, WIC eligibility interview	Strong Association with Risk
HS Diploma no post-secondary	4	Birth Record, WIC eligibility interview	
4-year Degree	-5	Birth Record, WIC eligibility interview	Strong Protective Factor – Could EC screening add this question?
Birth: Teen Parent (18 - 20)	2	Birth Record, WIC eligibility interview	The effect on risk is mitigated by higher income, so alone, this isn't shown to be a strong predictor.
Birth: Teen Parent (17 or younger)	3	Birth Record, WIC eligibility interview	Risk is much higher when teen has not graduated from HS, or is younger.
Birth: Unmarried Mother	1	Birth Record, WIC eligibility interview	This is associated with poverty, but not all single mothers are poor. By itself, it isn't a strong predictor.
0-8: Enrolled in MA/WIC/Social Services (all stages) or poverty at 200% or under.	10	Dakota County Master Client List; WIC interview	Proxy for poverty.
0-36 mos. Developmental Screening Concern	5	Follow-Along; WIC; Health Providers, Children referred to ECSE who don't qualify	Affluent families have the means and education to address concerns.
Behind on Immunizations	1	Dakota County Public	Proxy for regular healthcare,

# Accomplishments

- **Grant funding secured (for PM)**
  - Grotto Foundation awarded \$50,000
  - Bigelow Foundation awarded \$30,000
  - St. Paul Foundation awarded \$15,000
- **Key benchmarks established to measure healthy development and school readiness**
- **Successful WIC pilot project with the South St. Paul school district and now expanded**
- **Commitment to increase early childhood screenings by age 42 months**
- **\$200,000 in Senate for I.T. development and deployment of three projects in state**
- **Collaboration consent**

# Accomplishments



**Thank you!**

**Questions?**

