



# BIRTH TO AGE 8 INITIATIVE:

## HEALTHY DEVELOPMENT & SCHOOL SUCCESS

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**Sierra Hill, MPH, CPH | Birth to Age 8 Coordinator**

# Learning Objectives

- Articulate the value of health information exchange between public health & schools
- Identify data elements and features of the portal necessary for care coordination & program success
- Understand the governance components needed to making a collaborative data sharing initiative successful

# What is Birth to Age 8?



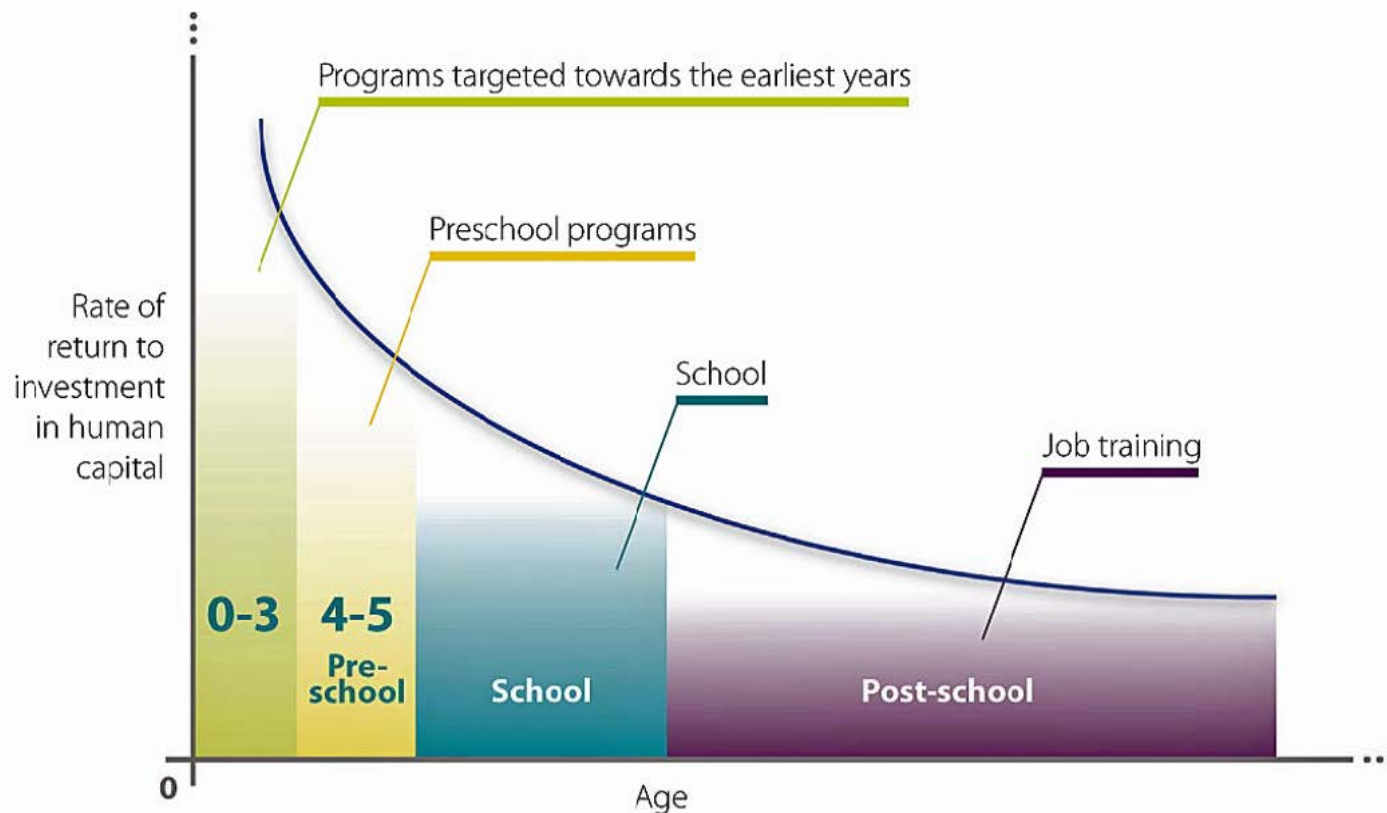
An **intentional** initiative that brings essential partners & services together to assure children reach **key developmental milestones** from birth to age 8.

# Why is this needed?

Research tells us that if children are reading proficiently by third grade, they are more likely to **graduate high school** and **achieve greater economic success** and socioeconomic mobility and stability. It emphasizes the **importance of improving academic readiness and outcomes early in life**, and breaking the cycle of poverty through greater educational attainment.

# The 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.

# Who is involved?

## **Sponsor Group**

- Superintendents from four local school districts
- 360 Communities
- Community Action Partnership/Head Start
- Dakota County Community Services and Public Health

## **Steering Committee**

- School staff from four local school districts
- 360 Communities
- Community Action Partnership/Head Start
- Dakota County Public Health, and Children and Family Services

# How will we make a difference?

- Track children's **developmental milestones** during critical early years - ensure school readiness and reading at grade level by age 8
- **Early identification** of those children who face challenges to healthy development and potential school success
- **Connect and surround** families with supports, as needed, that improve children's school success
- Children meeting the state proficiency **reading target by spring of third grade**

# Portal collaboration with schools

- Received \$200k from Legislature to build the portal
- Built on top of PH-Doc system (EHR)
- Currently in phase 2 of development
- Allows us to share and collaborate - intentionally - with participating schools



# Portal Data Elements

## From Public Health

- Birth certificate data, income data, referral data
- Ages and Stages Questionnaire (ASQ)
- Ages and Stages Questionnaire-Social Emotional (ASQ-SE)

## From the Schools

- Early Childhood Screening
- Kindergarten Readiness Data
- 1st, 2nd, 3rd grade reading scores
- Referral & intervention data

**Pass/Fail or Pass/Monitor/Fail only**



# Birth to Age 8

## Dakota County

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<input type="text" value="SOUTH SAINT PAUL PUBLI..."/>	<input type="text" value="Optional Last Name"/>	<input type="text" value="Optional First Name"/>	<input type="text" value="Optional MARSS"/>	<input type="text" value=""/>
				<input type="button" value="Search"/>

1

Page size: 50

7 items in 1 pages

MARSS ⋮	First ⋮	Middle ⋮	Last ⋮	Birthdate ⋮	Parents ⋮	Guardian ⋮	Age ⋮	Stoplight 3 ⋮	Stoplight 2 ⋮	Stoplight Last ⋮
555555555	MADDEN	TEST	Banana	12/24/2014	MELISSA BANANA		3			
131313131	LAYLA	TEST	Cherry	01/04/2016	JESSICA CHERRY		2			
121212121	ISAAC	TEST	Grapefruit	01/12/2016	JENNIFER GRAPEFRUIT		2			
999999999	DAPHNE	TEST	Lemon	08/27/2015	KATIE LEMON Dad Lemon		3			
666666666	LINCOLN	TEST	Lime	03/31/2015	ALISON LIME		3			
012345678	GRACE	TEST	Pear	08/12/2013	JIHYE PEAR		5			
101010101	WESTON	TEST	Watermelon	01/07/2016	NICOLE WATERMELON-PITT		2			



# Birth to Age 8

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## Details

### Demographics

Name ISAAC Grapefruit [Request Change](#)

Date of Birth 01/12/2016 33 months

Birthweight MARSS

White/Caucasian NOT HISPANIC OR LATINO Male

### Other

#### CHILD ADDRESS

##### Mailing Address

Address Line 4253 SANDSTONE DR

City, State, ZIP EAGAN MN 55122-2024

#### CONTACT INFORMATION

##### Primary Caregiver

Role Mother

Name JENNIFER GRAPEFRUIT

Home (612)269-6965

### Consent

Consent Date: 08/27/2018

### ASQ

Interval	Comm	Fine Motor	Gross Motor	Personal Social	Problem Solving
16 Month	MONITOR	PASS	FAIL	PASS	MONITOR
12 Month	PASS	MONITOR	FAIL	PASS	MONITOR
8 Month	PASS	PASS	MONITOR	PASS	PASS
4 Month	PASS	PASS	PASS	PASS	PASS

### ASQ-SE

Interval	Score	Result
12 Month	45	MONITOR

# Portal Features

- DIRECT Mail (Inpriva) for communications
- Customizable security settings & notifications
- Enrollment & Benchmark Data uploads for schools
- Outreach tracking
- Downloadable data for schools

# Workflows

- Engage end-users in initial design to ensure operational aspects are in place to carry out the work
  - Staff assigned to various pieces
  - Capacity of staff and systems
  - Flow of information and resources



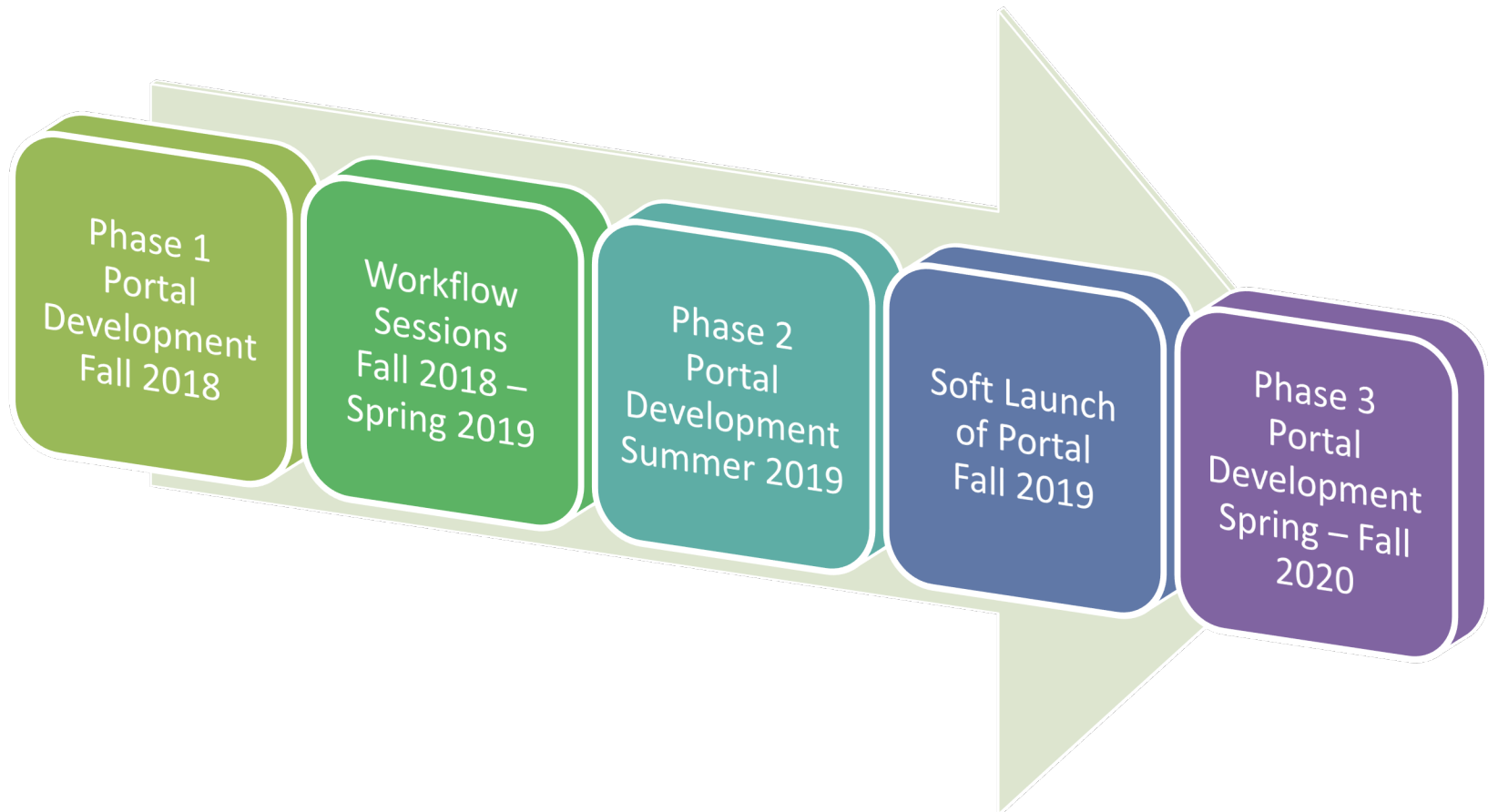
# Joint Powers Agreement

- JPA chosen over a Memorandum of Understanding or Data Sharing Agreement due to the partnership and need for governance
- Includes:
  - Rights and obligations for the County and school district partners
  - Outlines compliance with laws
  - Data practices

# Consent

- County portion needs to comply with Minnesota Government Data Practices Act, HIPAA
- Schools need to comply with FERPA
- Two signatures needed; one document
- Annual renewal, opt-out
- Care coordination as separate consent

# Timeline of development





# Down the road

- All Dakota County School Districts on B28
- Web Scripts will be shared with all PH-Doc users
- Two additional health departments adopt B28 by 2021
- Look at other partners (e.g. nonprofits, medical)
- Continue to enhance the portal

# Barriers & Lessons Learned

- Timeline
- Scope
- Data concerns
- Team & partner changes
- Alignment of vision

# Thank you! Questions?

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Learn more:  
[www.dakotacounty.us](http://www.dakotacounty.us)  
and search  
“Birth to Eight”



**Public Health**  
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