

EARLY LEARNING INSIGHT

Delaware's Early Childhood Integrated Data System (ECIDS)

Presentation to the Delaware Early Childhood Council

February 10, 2015

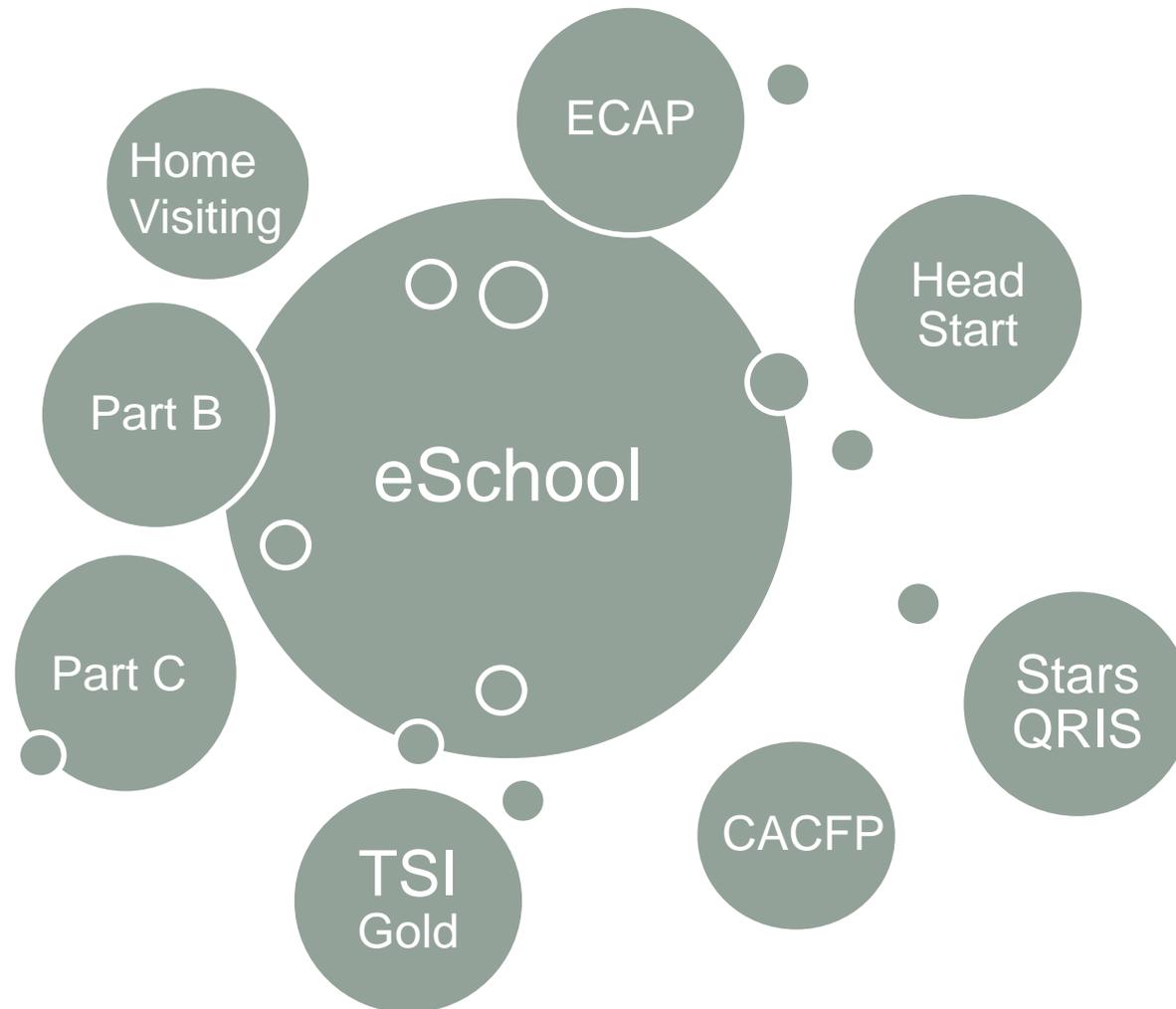
ECIDS Vision



An Early Childhood Integrated Data System (ECIDS)

Purpose: to answer questions no single, separate data bases can answer

2014 Reality in Delaware



2014 Delaware Status

- ECIDS non-existent in Delaware (and largely nationwide)
- Very limited system-wide data
- Nearly 30 separate databases on early childhood
- Difficult to respond to federal mandates, federal grant performance targets and measures
- Impossible to respond to research questions

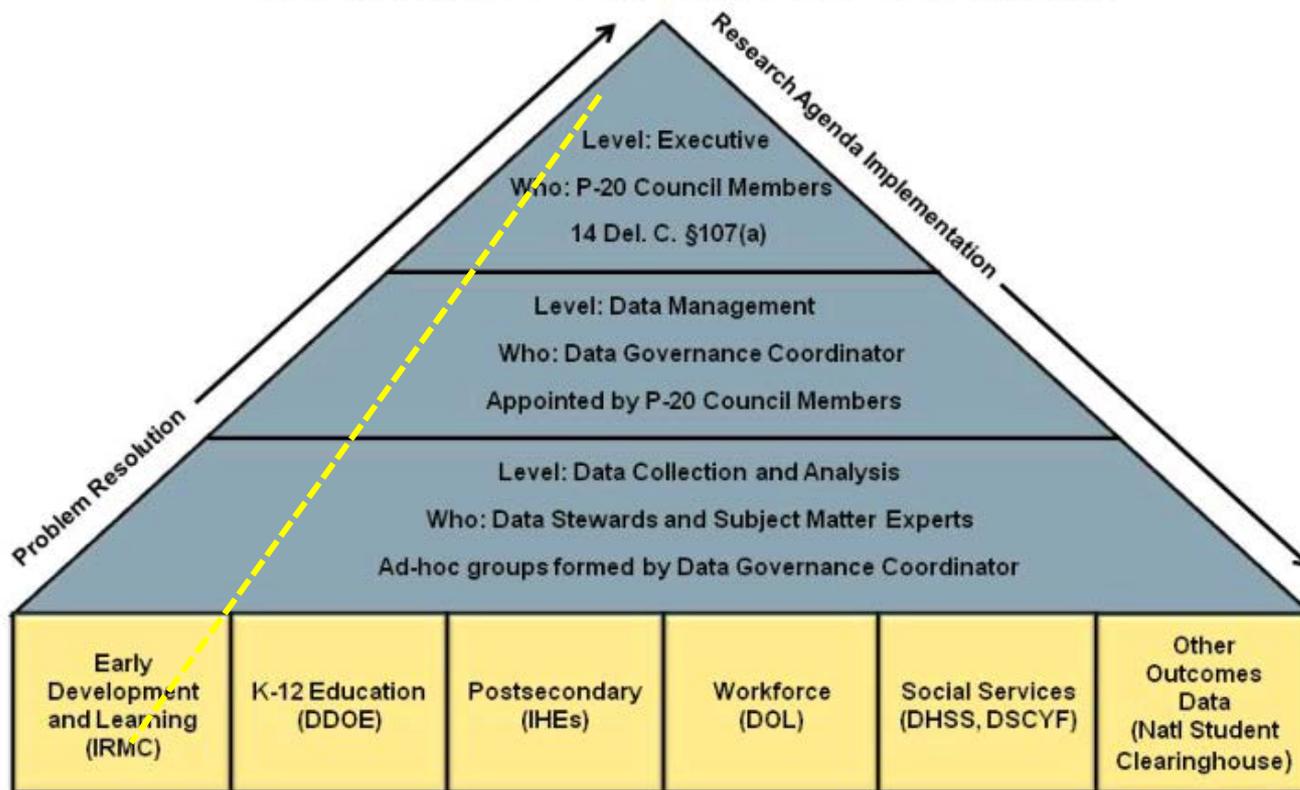
IRMC Research Questions

1. Are children, birth to age 8, on track to succeed at school entry and beyond?
2. Which children have access to high quality early childhood programs?
3. Is the quality of programs improving?
4. What are the characteristics of effective programs?
5. How prepared is the early childhood workforce to provide effective education and care for all children?
6. What policies and investments lead to a skilled and stable early childhood workforce?
7. What policies and investments lead to a sustainable early childhood system?

Establishing a comprehensive statewide early childhood integrated data system (ECIDS) is part of the IRMC's strategic leadership agenda

Governance

Delaware P-20 Data Governance



Data Governance: establishes responsibility for data, organizes program staff to collaboratively and continually improve data quality, creates policies, roles, responsibilities and procedures.

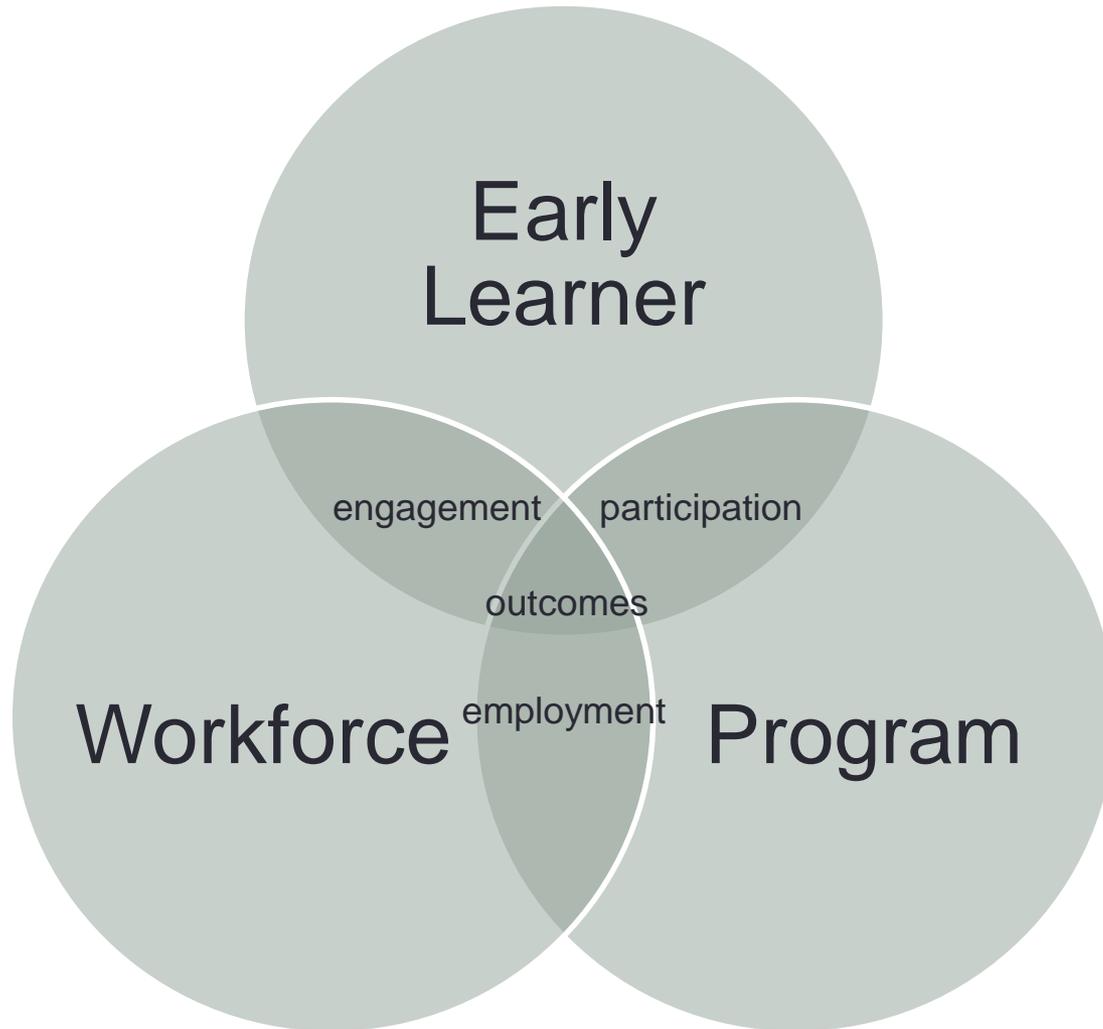
Data Management Membership

- Delaware Early Childhood Data Management Team
 - Governor's Office
 - Delaware Early Childhood Council
 - Department of Education
 - Department of Health and Social Services
 - Department of Services for Children, Youth and Their Families
 - Delaware Office of Early Learning
 - Early Childhood Providers/Community Organizations

Primary Purpose:

Advises the Early Childhood Data Policy Committee/IRMC

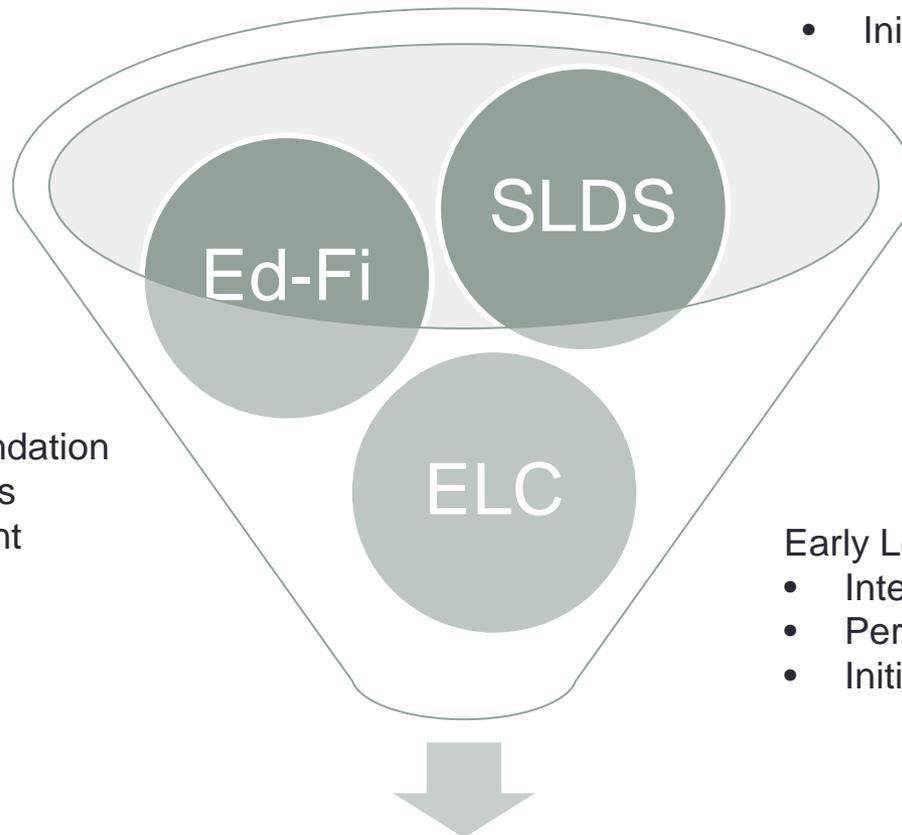
Early Learning Insight



Evolution of ELI

Statewide Longitudinal Data System

- USED Initiative
- Integrates Educational Data
- Initiated 2010



Early Learning Insight (ELI CORE)

Michael and Susan Dell Foundation

- Education Data Standards
- Performance Management
- Initiated 2008

Early Learning Challenge

- Integrated Data Strategy
- Performance Management
- Initiated 2012

ELI High Level Schedule

Planning and Analysis

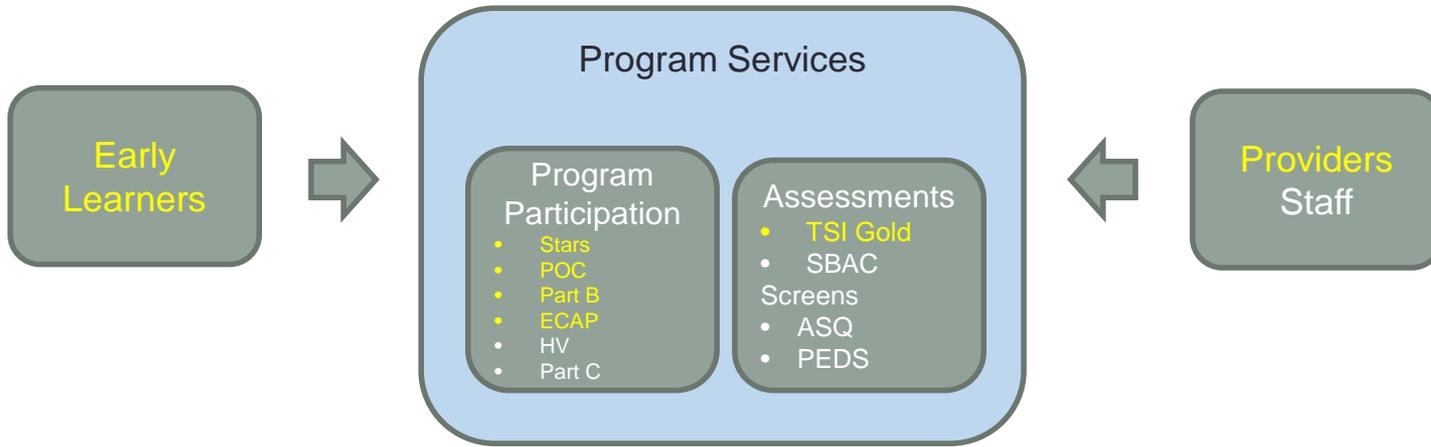
- March 2014 – June 2014
 - Organization, Governance, Expectations, Metrics, Stakeholder Engagement, Technical Infrastructure
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Development

- June 2014 – January 2015
 - Data Extract and Load, Quality Assurance, Reports, Dashboard Views, Testing
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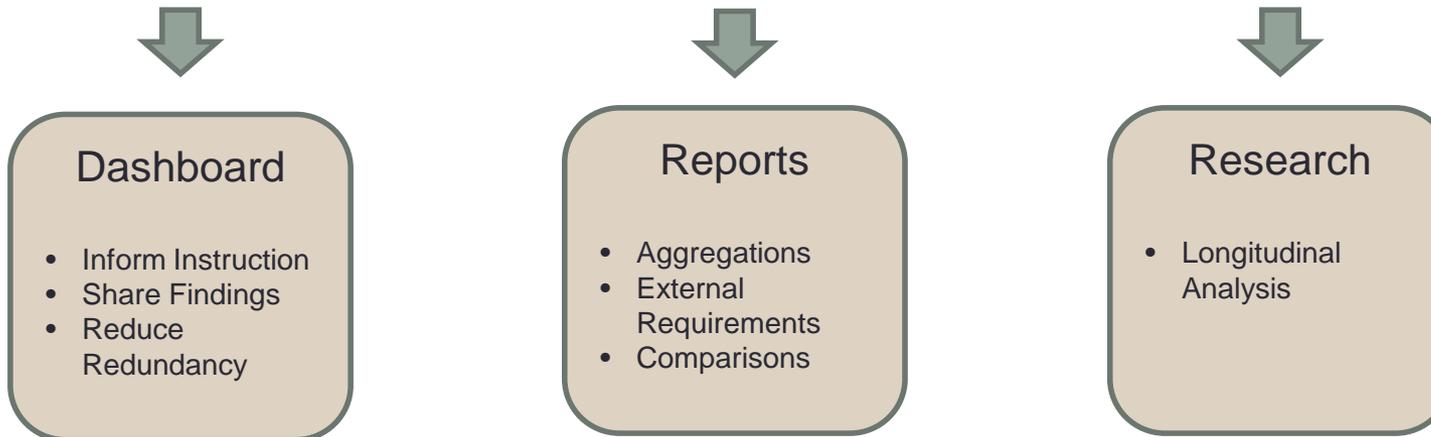
Pilot

- February – April 2015
- Training Materials, Train the Trainer, End User Support, Knowledge Transfer, Plan for Phase II ECIDS



Early Learning Insight Data Integration (Warehouse)

Cross-cutting Program Views



ELI CORE

State Early Learning Program View

State View
PRINT SUPPORT

Delaware Office of Early Learning

Great Tomorrows Begin Today

State Information

Academic Dashboard

State Information

Provider List

Program List

Students by Age

Students by Demographic

My Student Lists

Delaware Office of Early Learning

Providers by Star Ratings

Star Rating 5	33
Star Rating 4	101
Star Rating 3	60
Star Rating 2	165
Starting with Stars	64

State Enrollment

# of Children Enrolled	12,944
0-12 months	741
13-24 months	982
25-36 months	1,954
37-48 months	3,478
49+ months	5,789

Student Demographics

Gender

Female	47.6%
Male	52.4%

Ethnicity

Hispanic/Latino	10.4%
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Race

American Indian - Alaskan Native	0.8%
Asian	3.9%
Black - African American	31.9%
Native Hawaiian - Pacific Islander	0.0%
White	63.4%

Providers by Type

Total	1,180
Small FCC	762
Large FCC	73
Center	345
Center-EC	30
Center-EC with SA	15
Center-SA only	300

Other Student Information

Foster Care	2.3%
Homeless	3.1%

Students by Service

ECAP	15.4%
Part B Section 619	0.0%
Purchase of Care	22.7%
Stars	100.0%

Child Assessment DE ELS Student View

EARLY CHILDHOOD ASSESSMENTS	STATUS	SUM SCORE	K READY SCORE	DETAILS
Early Learner Survey (Through September 2014) Student results on early learner domain checkpoints				
■ Social-Emotional	Emerging Accomplished	36	26	More ▾
■ Physical	Emerging Accomplished	21	18	More ▾
■ Language	Emerging Accomplished	31	24	More ▾
■ Cognitive	Emerging Accomplished	44	30	More ▾
■ Literacy	Emerging Accomplished	51	34	More ▾
■ Mathematics	Emerging Accomplished	25	30	More ▾

Early Learner Survey - Mathematics - Early Learner Objectives ↻

☰ Mathematics Objectives

OBJECTIVE/DIMENSION	STATUS
20a. Counts	Not Yet 1 2 3 4 5 6 7 8 9 Emerging
20b. Quantifies	Not Yet 1 2 3 4 5 6 7 8 9 Emerging
20c. Connects numerals with their quantities	Not Yet 1 2 3 4 5 6 7 8 9 Emerging
21a. Understands spatial relationships	Not Yet 1 2 3 4 5 6 7 8 9 Accomplished
21b. Understands shapes	Not Yet 1 2 3 4 5 6 7 8 9 Accomplished
22. Compares and measures	Not Yet 1 2 3 4 5 6 7 8 9 Emerging



Child Assessment DE ELS Classroom View

Student ^	Age Level	Mathematics	Counts	Quantifies	Connects Numerals with their quantities	Shapes
# Students Meeting Accomplished Score			5 of 18	11 of 18	5 of 18	11 of 18
 Ladav, Dylan I.	Pre-K	Accomplished				
 Mcginnis, Garrett E.	Pre-K	Accomplished				
 Medeiros, Tracy M.	Pre-K	Emerging				
 Pattillo, Brian H.	Pre-K	Emerging				
 Prosser, Lena V. L	Pre-K	Emerging				
 Rubio, Melissa Z.	Pre-K	Accomplished				
 Silvas, Andrew Z. G	Pre-K	Emerging				
 Williams, Tandelyn M.	Pre-K	Emerging				
						

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 Emerging  Accomplished

Child Assessment DE ELS School View

EARLY CHILDHOOD ASSESSMENTS	% EMERGING/ACCOMPLISHED	STUDENT ATTAINMENT (# ACCOMPLISHED)	DETAILS
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Early Learner Survey Performance

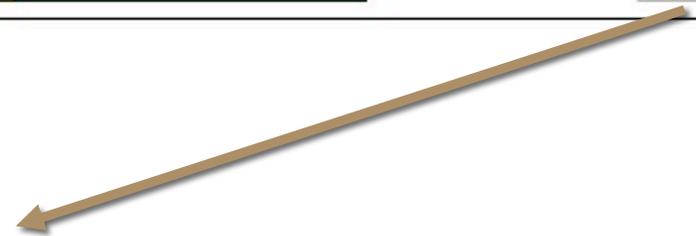
% of students scoring at the emerging/accomplished level on various early learner domain checkpoints (as of the latest administration)

■ Social-Emotional	10.5%	89.5%	34 of 38	More ▾
■ Physical	5.3%	94.7%	36 of 38	More ▾
■ Language	5.0%	92.1%	35 of 38	More ▾
■ Cognitive		81.6%	31 of 38	More ▾
■ Literacy		92.1%	35 of 38	More ▾
■ Mathematics		57.9%	22 of 38	More ▾

Early Learner Survey Performance - Mathematics - Student List

↓ CUSTOMIZE VIEW

STUDENT ^	GRADE LEVEL	MATHEMATICS	ATTENDANCE / DISCIPLINE	
			Last 4 Wks Attendance	School Violations
[REDACTED]	KG	Emerging	45.0 % ▾	0 ◀▶
[REDACTED]	KG	Emerging	85.0 % ▾	0 ◀▶
[REDACTED]	KG	Emerging	95.0 % ◀▶	0 ◀▶
[REDACTED]	KG	Emerging	95.0 % ▾	0 ◀▶
[REDACTED]	KG	Emerging	100.0 % ◀▶	0 ◀▶
[REDACTED]	KG	Emerging	95.0 % ▾	0 ◀▶



Program Participation

Early Childhood Education Participation

ENROLLMENT IN QUALITY PROVIDERS	STATUS	DETAILS
Participation in STARS Levels 3 - 5		More ▾  Log of Enrollment
• Current	Yes	
• Historical	Yes	

Log of Enrollment in Quality Providers  

ENTRY	EXIT	PROVIDER	LOCATION	STARS Rating	AGE	LENGTH OF ENROLLMENT
09/01/2008	09/01/2009	New Directions Early Head Start	Wilmington	4	1	12 months
09/01/2009	02/01/2010	The Latin American Cmty Ctr	Wilmington	3	2	5 months
02/01/2010	10/15/2011	Christina Cultural Arts Ctr	Wilmington	2	2	9 months
10/15/2011	04/05/2012	Delaware Early Childhood Ctr	Wilmington	2	3	7 months
04/05/2012	12/01/2012	Hilltop Lutheran Neighborhood	Wilmington	4	4	8 months
10/25/2012	07/14/2012	Indian River Project Village	Wilmington	3	4	8 months

Service Gaps

Disruption (Gaps In Service)	STATUS	DETAILS
Disruption Instances (through May 2014)		
• Current Year	0	More ▾  Log of Disruptions
• Historical	4	

Log of Disruptions		
START DATE	CHILD AGE	LENGTH OF DISRUPTION
01/03/2009	1	2 months
05/01/2010	2	1 month
11/15/2012	3	3 months
05/01/2012	4	2 months

Mobility

Mobility (Change in Providers) STATUS DETAILS

Mobility Occurences (through May 2014)

More 
 Log of Occurences

- Current Year 1
- Historical 6

Log of Occurences 

ENTRY	EXIT	PROVIDER	LOCATION	STARS Rating	AGE	LENGTH OF ENROLLMENT
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NEXT STEPS

Anticipated Federal Grant would fund build-out of framework into comprehensive system

- Request for application expected any time – Competitive
- Focus on data usage
 - Turning data into action ★
 - Dashboards ★
 - Reports ★
- Priority areas
 - Teacher Effectiveness ★
 - Early Childhood ★
 - Researcher Access
 - Post Secondary to Workforce
- Award details
 - ~ \$3 Million
 - 4 year duration
 - Fall 2015

Council Priorities

- In the ideal world, what are the two or three biggest questions you would like to have answered through an integrated early learning database?
- Why are these questions important?
- What would we be able to do with the answers?
- Where does the data exist to answer these questions?