



New Coordinators' Community of Practice – Session Five

Mike Brown and Avisia Whiteman | Early Learning Services

April 19, 2023

Welcome to the world of early childhood leadership!

Format

- Presentation and discussion.

Presentation slides focus on:

- Core tasks for new administrators to help ensure a strong start.
- A landscape view of knowledge and competencies relevant to administration and leadership.
- Strategies to ensure our actions/efforts align with leadership competencies.

The quality of an early childhood education program is largely dependent on an often overlooked group of professionals: school or program leaders. After teachers, research shows that school leaders are the greatest in-school factor impacting student achievement. [Abbie Lieberman](#), p. 5

New Coordinators' Community of Practice

This learning community is designed to be an informal, unstructured time and space for early childhood administrators/leaders to meet together virtually to:

- Learn *from* each other – Learn *with* each other.
- Network and share experiences.
- Share ideas, strategies, resources, etc.
- Provide collegial support and guidance.
- Develop personally/professionally, and advance our practice, both individually and collectively.

Virtual Session Reminders

- Make sure that your audio is muted.
- Use the “chat” function to send comments/questions throughout the presentation.
 - Send to “All Participants” so that we can be most responsive to your questions.
- Please place resource links that are pertinent to the discussion in the chat box so that we can share the information after the session ends.
- Slides from this session will be shared with participants.
- Please complete a [session survey](#).

Our Sessions

1. Understanding the Roles and Responsibilities of Your Position
2. Understanding Program Requirements and Policies
3. Understanding Our Programs within Districts and Communities
4. Program Finance and Budgeting
- 5. The Role of Data and Reporting Requirements**
6. Community Engagement, Collaboration and Mixed Delivery
7. Continuous Improvement to Achieve Coherence and High Quality



New Coordinators' Community of Practice

Early childhood coordinators/administrators are often responsible for the overall operation of their programs and services. The roles and responsibilities of coordinators are diverse, ranging from complete responsibility for all program operations to shared responsibilities of specific operations or programs. Administrative roles may include providing program and instructional leadership, supervision, and/or human resources. Among many other things, coordinators are responsible for budgets, the safety of children, compliance to federal and state laws, staffing, parent and family engagement, and collaborating with community partners.

While there currently is no formal training required of early childhood coordinators in Minnesota, we are fortunate to have a tremendous wealth of experience and knowledge among the many administrators in Minnesota. With this in mind, **the purpose of this community of practice is to bring coordinators together to learn with each other, and from each other.** With support from Early Learning Services staff, we will explore a new topic each session.

2022-23 Schedule

Session	Date	Time	Topic
1	1/25	12:00 to 1:00	Roles and Responsibilities of Early Childhood Administrators
2	2/15	3:00 to 4:00	Program Requirements and Policies
3	3/7	12:00 to 1:00	Understanding Our Programs within Districts and Communities
4	3/30	3:00 to 4:00	Program Finance and Budgeting
5	4/19	12:00 to 1:00	The Role of Data (including state reporting requirements)
6	5/11	3:00 to 4:00	Community Engagement, Collaboration and Mixed Delivery
7	6/7	12:00 to 2:00	Continuous Improvement to Achieve Coherence and High Quality

How to Participate and What to Expect

The New Coordinators' Community of Practice is an informal group comprised of those interested in administering and leading early childhood programs and services. The focus is on building connections and collective knowledge, advancing our own knowledge and practice, and working toward achieving high quality programming and services for children and families.

Participate as your schedule permits. Each session includes time for presentations followed by small and large group discussions. While the sessions may be recorded, we encourage live participation due to the importance of discussions and connections with other early childhood administrators.

To join a meeting, go to <https://www.zoomgov.com/j/16004521274> at the scheduled time and the host will let you in. Contact Mike Brown at mike.p.brown@state.mn.us with questions.

Agenda and Goals

Agenda:

1. Embrace the role of data in our work.
2. Explore ways data helps us understand, plan, and improve.
 - Use tools to help us organize our data efforts.
3. Ensure data is part of everyday, intentional practice.
4. Understand data reporting requirements.

Goals:

- Gain an understanding of the role of data throughout our work.
- Provoke planning for ways data will help you (and your team) understand and guide the role of data in your work.
- Gain awareness of approaches, concepts, resources, and strategies.
- Know what needs to be reported.

Learning Objectives – Summary

Session	Topic	Learning Objectives
1	Roles and Responsibilities	Understand our roles and responsibilities. Making yourself known and connecting with others. Early childhood administrator as leader.
2	Program Requirements & Policies	Understand the requirements of the programs we supervise. Understand the role in policy and accompanying procedures. Administering programs.
3	Understanding Our Programs	Deepen awareness and understanding of the context of our programs within communities and organizations. Understand the role of governance.
4	Program Finance and Budgeting	Understand revenue sources for our programs. Understand the role of accounting in our work. Begin budgeting work.
5	Data and Data Reporting	Gain an understanding of the role of data in our work. Understand what data needs to be reporting. Identifying data systems.
6	Community Engagement	
7	Achieving Quality and Coherence	

New Administrators Page on EC Administration Website

Early Childhood Program Administration

Resources, Training, Best Practices, Sharing

brown343 | My account

Search this site Search

EC EducationECLKCMDEMHSAMNAFEEParent EducationPreK-3

Welcome

Advisory Councils

Assessment & Evaluation (Click to Expand)

At-Risk Children & Families

Budgeting & Funding

Collaborations

Coordinator's Corner

COVID-19

Curricula

Data Practices

Data Submissions to MDE

Early Childhood Screening

Early Childhood Special Education

Early Learning Standards

ECFE 2.0

ECFE Implementation Guide

ECFE Implementation Guide 2

ECFE Needs Assessment

Ethics

Handbooks

Head Start

Health & Safety

History

Home Visiting

New Administrators

OverviewNew Coordinators' Community of PracticeContact

New Coordinators' Community of Practice

Early childhood administrators are responsible for the overall operation of their programs and services. The roles and responsibilities of early childhood administrators are diverse, ranging from complete responsibility for program operations to shared responsibilities of specific operations or programs. Administrative roles may include managing the school/program, providing instructional and program leadership, and human resources. Among many other things, administrators are responsible for budgets, the safety of children, compliance to federal and state regulations, staffing, parent and family engagement, and collaborating with and involving community partners.
Unlike other school administrators, there is no formal training required of early childhood administrators in Minnesota. Thankfully, we have a tremendous wealth of experience and knowledge among the many administrators in Minnesota. The purpose of this community of practice is to bring early childhood administrators together to learn with each other, and from each other. With support from Early Learning Services staff, we will explore a new topic each session.

Schedule

Session	Date	Time	Topic	Survey	Presentation Slides
1	1/25	12:00 to 1:00	Roles and Responsibilities	Click Here	Click Here
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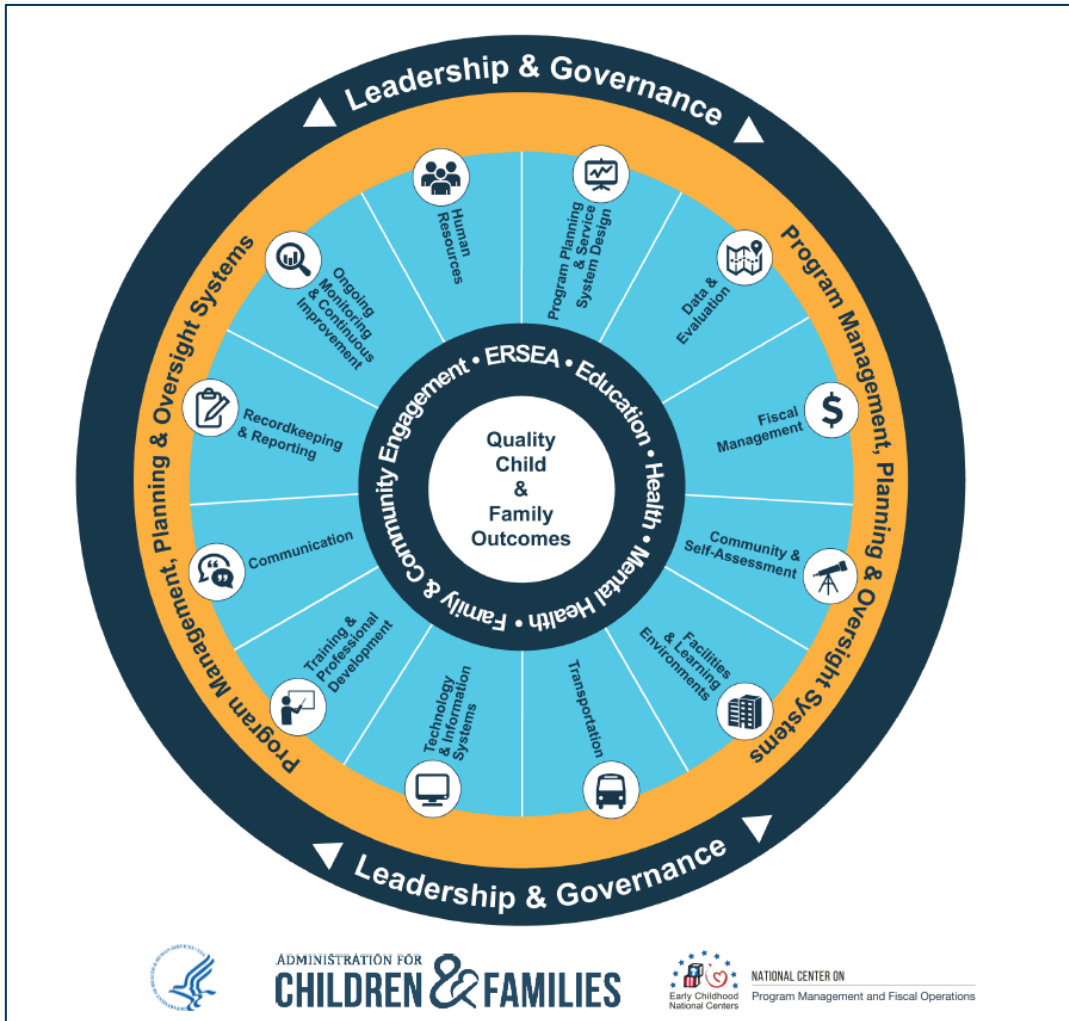
<http://ecadmin.wikidot.com/new-administrators>

Before We Begin...

Keep in Mind

1. Lifelong learning is who we are
2. Goals and values
3. Organize and prioritize

Starting with Lifelong Learning as a Disposition



Knowledge and Competency Framework for Early Childhood Administrators

School-Based Early Childhood Leaders



2017 - Framework

mn DEPARTMENT
OF EDUCATION

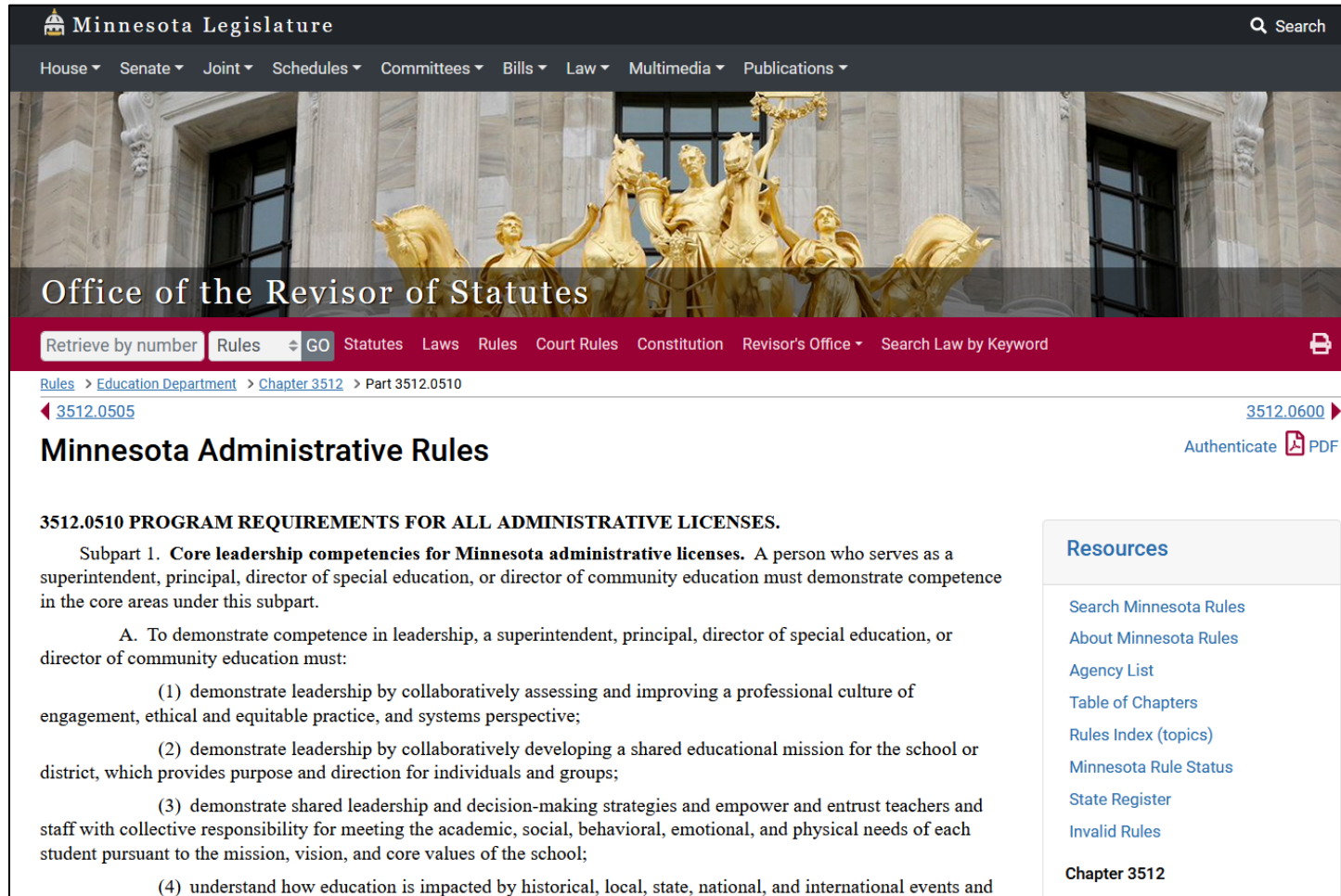
Core Leadership Competencies

- | | |
|---------------------------------------|--|
| A. Leadership | H. Curriculum Planning and Development for the Success of All Learners |
| B. Organizational Management | I. Instructional Management for the Success of All Learners |
| C. Diversity Leadership | J. Human Resource Management |
| D. Policy and Law | K. Values and Ethics of Leadership |
| E. Political Influence and Governance | L. Judgment and Problem Analysis |
| F. Communication | M. Safety and Security |
| G. Community Relations | |

In addition to demonstrating all core competencies listed above, a person who serves as an early childhood administrator should demonstrate competence in the following specific areas:

- A. Instructional Leadership
- B. Monitor Student and Participant Learning
- C. Early Childhood and Family Programs Leadership

Program Requirements for Administrative Licenses



The screenshot shows the Minnesota Legislative website. At the top is the "Minnesota Legislature" header with a search bar and navigation links for House, Senate, Joint, Schedules, Committees, Bills, Law, Multimedia, and Publications. Below this is a banner image of the Minnesota State Capitol building with the text "Office of the Revisor of Statutes". A navigation bar below the banner includes "Retrieve by number", "Rules", "GO", "Statutes", "Laws", "Rules", "Court Rules", "Constitution", "Revisor's Office", and "Search Law by Keyword". The main content area shows the breadcrumb "Rules > Education Department > Chapter 3512 > Part 3512.0510" and the title "Minnesota Administrative Rules". The specific rule "3512.0510 PROGRAM REQUIREMENTS FOR ALL ADMINISTRATIVE LICENSES." is displayed, along with its subparts. A "Resources" sidebar on the right lists links for "Search Minnesota Rules", "About Minnesota Rules", "Agency List", "Table of Chapters", "Rules Index (topics)", "Minnesota Rule Status", "State Register", "Invalid Rules", and "Chapter 3512".

Minnesota Legislature

House ▾ Senate ▾ Joint ▾ Schedules ▾ Committees ▾ Bills ▾ Law ▾ Multimedia ▾ Publications ▾

Office of the Revisor of Statutes

Retrieve by number Rules GO Statutes Laws Rules Court Rules Constitution Revisor's Office Search Law by Keyword

Rules > Education Department > Chapter 3512 > Part 3512.0510

3512.0505 3512.0600

Authenticate PDF

Minnesota Administrative Rules

3512.0510 PROGRAM REQUIREMENTS FOR ALL ADMINISTRATIVE LICENSES.

Subpart 1. **Core leadership competencies for Minnesota administrative licenses.** A person who serves as a superintendent, principal, director of special education, or director of community education must demonstrate competence in the core areas under this subpart.

A. To demonstrate competence in leadership, a superintendent, principal, director of special education, or director of community education must:

- (1) demonstrate leadership by collaboratively assessing and improving a professional culture of engagement, ethical and equitable practice, and systems perspective;
- (2) demonstrate leadership by collaboratively developing a shared educational mission for the school or district, which provides purpose and direction for individuals and groups;
- (3) demonstrate shared leadership and decision-making strategies and empower and entrust teachers and staff with collective responsibility for meeting the academic, social, behavioral, emotional, and physical needs of each student pursuant to the mission, vision, and core values of the school;
- (4) understand how education is impacted by historical, local, state, national, and international events and

Resources

- [Search Minnesota Rules](#)
- [About Minnesota Rules](#)
- [Agency List](#)
- [Table of Chapters](#)
- [Rules Index \(topics\)](#)
- [Minnesota Rule Status](#)
- [State Register](#)
- [Invalid Rules](#)
- [Chapter 3512](#)

[Program Requirements for All Administrative Licenses](#)

Session 5: Competencies (Organizational Management)

Core leadership competencies for Minnesota administrative licenses. [Minnesota Rule 3512.0510](#)

B. Competence in Organizational Management

- 1) Demonstrate an understanding of organizational systems, including structural and cultural dynamics;
- 2) Define and use processes for gathering, analyzing, managing, and using data to plan and make decisions for program evaluation;**
- 3) Plan and schedule personal and organizational work, establish procedures to regulate activities and projects, and delegate and empower others at appropriate levels;
- 4) Demonstrate the ability to analyze need and allocate personnel and material resources;
- 5) Develop and manage budgets and maintain accurate fiscal records;
- 6) Demonstrate an understanding of facilities development, planning, and management; and
- 7) Understand and use technology as a management tool.**

Session 5: Competencies (Equity and Culturally Responsive Leadership)

Core leadership competencies for Minnesota administrative licenses. [Minnesota Rule 3512.0510](#)

C. Competence in Equity and Culturally Responsive Leadership:

- 1) Ensure that each student is treated fairly, respectfully, and with an understanding of each student's culture and context;
- 2) Recognize, respect, and employ each student's strengths, diversity, and culture as assets for teaching and learning;
- 3) Ensure that each student has equitable access to effective teachers, learning opportunities, academic and social support, and other resources necessary for success;
- 4) Ensure policies and practices are in place that proactively encourage positive behavior and respond to student behavior needs in a positive, fair, and unbiased manner;
- 5) Recognize, identify, and address individual and institutional biases;
- 6) Promote the preparation of students to live productively in and contribute to a diverse and global society;
- 7) Address matters of equity and cultural responsiveness in all aspects of leadership; and
- 8) Ensure policies and practices are in place that address student and staff mental and physical health and trauma.

Session 5: Competencies (Policy & Law)

Core leadership competencies for Minnesota administrative licenses. [Minnesota Rule 3512.0510](#)

D. Competence in Policy and Law

- 1) Understand and implement policy to meet local, state, and federal requirements and constitutional provisions, standards, and regulatory applications to promote student success;
- 2) Recognize and apply standards of care involving civil and criminal liability for negligence, harassment, and intentional torts; and
- 3) Demonstrate an understanding of state, federal, and case law, and rules and regulations governing general education, special education, and community education.

Session 5: Competencies (Roles and Responsibilities)

Core leadership competencies for Minnesota administrative licenses. [Minnesota Rule 3512.0510](#)

F. Competence in Communication

- 1) Understand the need to develop shared understanding of and commitment to mission, vision, and core values within the school and the community;
- 2) Demonstrate individual and team facilitation skills;
- 3) Recognize and apply an understanding of individual and group behavior in all situations;
- 4) Demonstrate an understanding of conflict resolution and problem-solving strategies relative to communication;
- 5) Make presentations that are clear and easy to understand;
- 6) Respond to, review, and summarize information for groups;**
- 7) Communicate appropriately, through speaking, listening, and writing, for different audiences, including students, teachers, parents, the community, and other stakeholders; and
- 8) Understand and utilize appropriate communication technology.

Session 5: Competencies (Judgment and Problem Analysis)

Core leadership competencies for Minnesota administrative licenses. [Minnesota Rule 3512.0510](#)

K. Competence in Judgment and Problem Analysis

- 1) Identify the elements of a problem situation by analyzing relevant information, framing issues, identifying possible causes, and reframing possible solutions;
- 2) Demonstrate adaptability and conceptual flexibility;
- 3) Reach logical conclusions by making quality, timely decisions based on available information;
- 4) Identify and give priority to significant issues;
- 5) Demonstrate an understanding of, and utilize appropriate technology in, problem analysis; and
- 6) Demonstrate an understanding of different leadership and decision-making strategies, including but not limited to collaborative models and model appropriately their implementation.

Session 5: Competencies (Community Education Director)

Subpart 1: Core leadership competencies for Minnesota administrative licenses. [Minnesota Rule 3512.0510](#)

Subpart 5: Director of community education competencies.

- A. To demonstrate competence in community education concepts, a director of community education must:
- 1) Understand and describe the history and philosophy of community education;
 - 2) Demonstrate a knowledge and application of the principles of community education;
 - 3) Demonstrate a knowledge of the role of the local school district's administrative team;
 - 4) Demonstrate, facilitate, and lead the integration of community education into the prekindergarten through grade 12 system;
 - 5) **Demonstrate the skills necessary to conduct community needs assessments as required by statute and district policy;**
 - 6) **Demonstrate knowledge of the various assessment tools used to effectively evaluate community education programs and determine educational objectives and learning experiences; and**
 - 7) Demonstrate an understanding of the resources available to support learners of all abilities and ages.

Ten Minnesota Commitments to Equity

1. Prioritize equity.
2. Start from within.
3. Measure what matters.
4. Go local.
5. Follow the money.
6. Start early.
7. Monitor implementation of standards.
8. Value people.
9. Improve conditions for learning.
10. Give students and families options.



Using Elements of Data Literacy Models to Organize

PART I

1. **Awareness:** Understanding data and its role in our world;
2. **Access:** Understanding how to identify and appropriately use data;
3. **Engagement:** Evaluating, analyzing, organizing, and interpreting data;

PART II

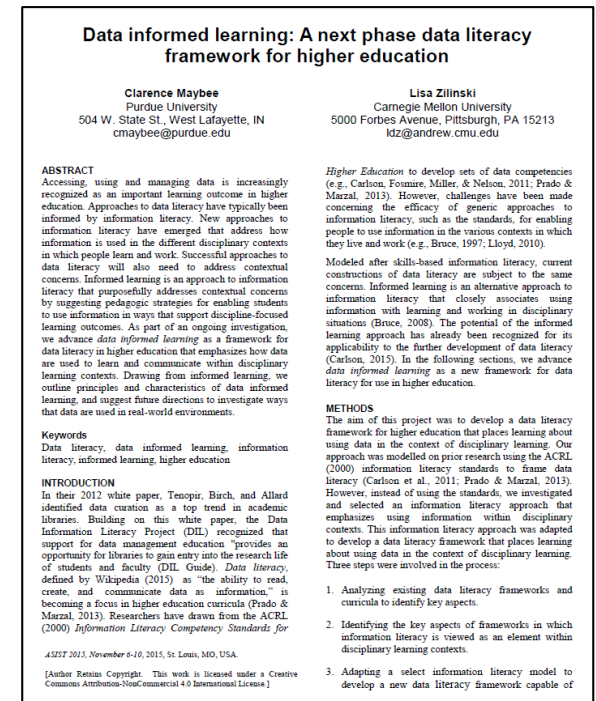
4. **Management:** Planning and managing data, including organization and analysis, data storage, sharing data, and documentation;
5. **Communication:** Synthesizing, visualizing, and representing data;

PART III

6. **Ethical Use:** Identifying diversified data sources, in particular data from human and social activity, considering the risks and issues implicit in the use of such data;
7. **Preservation:** Being aware of long-term practices of storing, using, and reusing data.

PART IV

State Reporting: Understanding what data needs to be reporting; how to report.



[Data Informed Learning](#)

Part I: Awareness, Access, and Engagement

Embracing the Role of Data

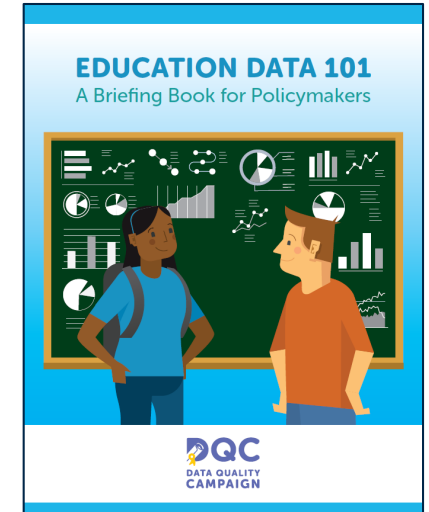
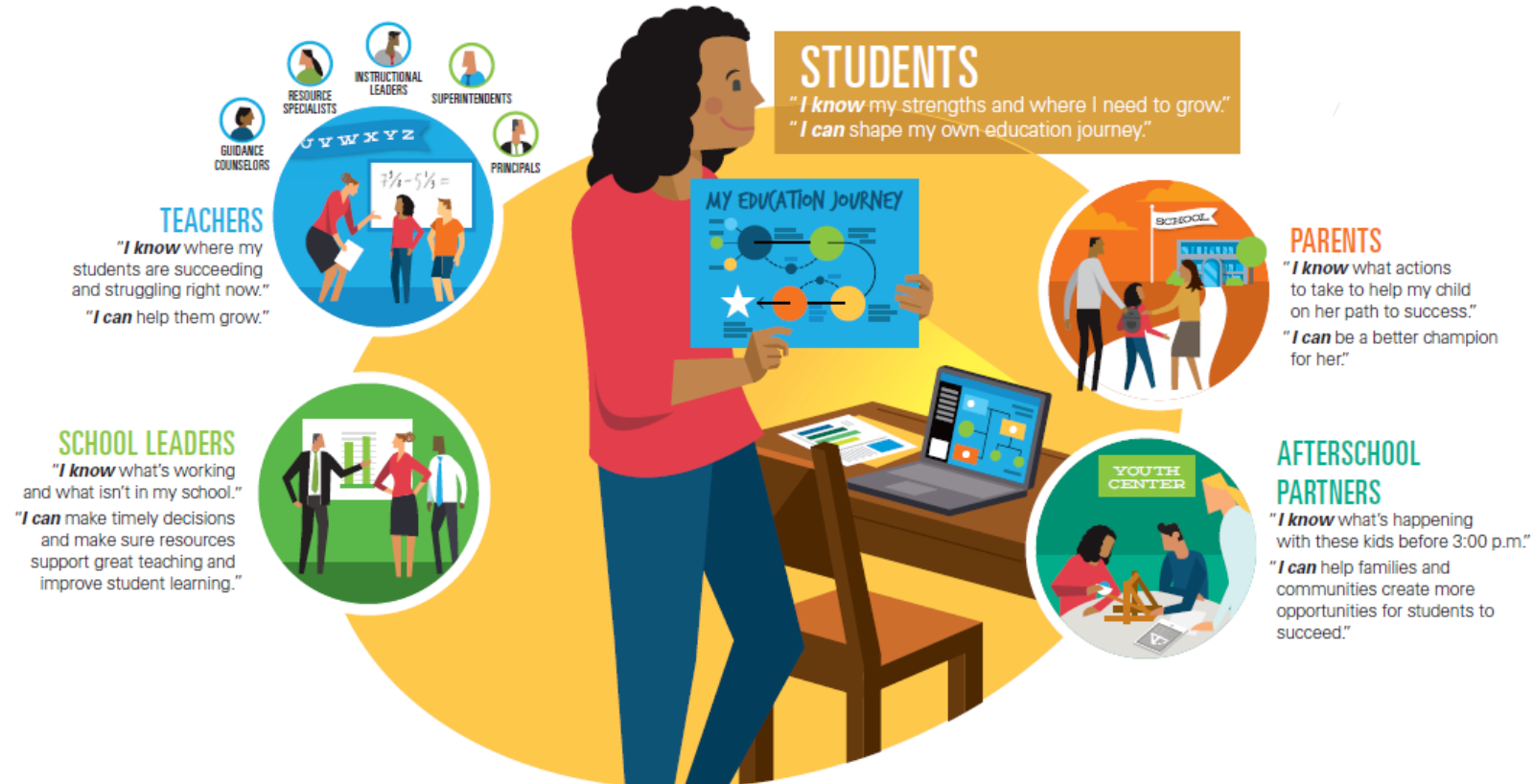
1. Acknowledging and valuing data in the world of education.

- Developing a shared understanding about data.
- Acknowledging ways we currently use data.

2. Deepening our engagement with data.

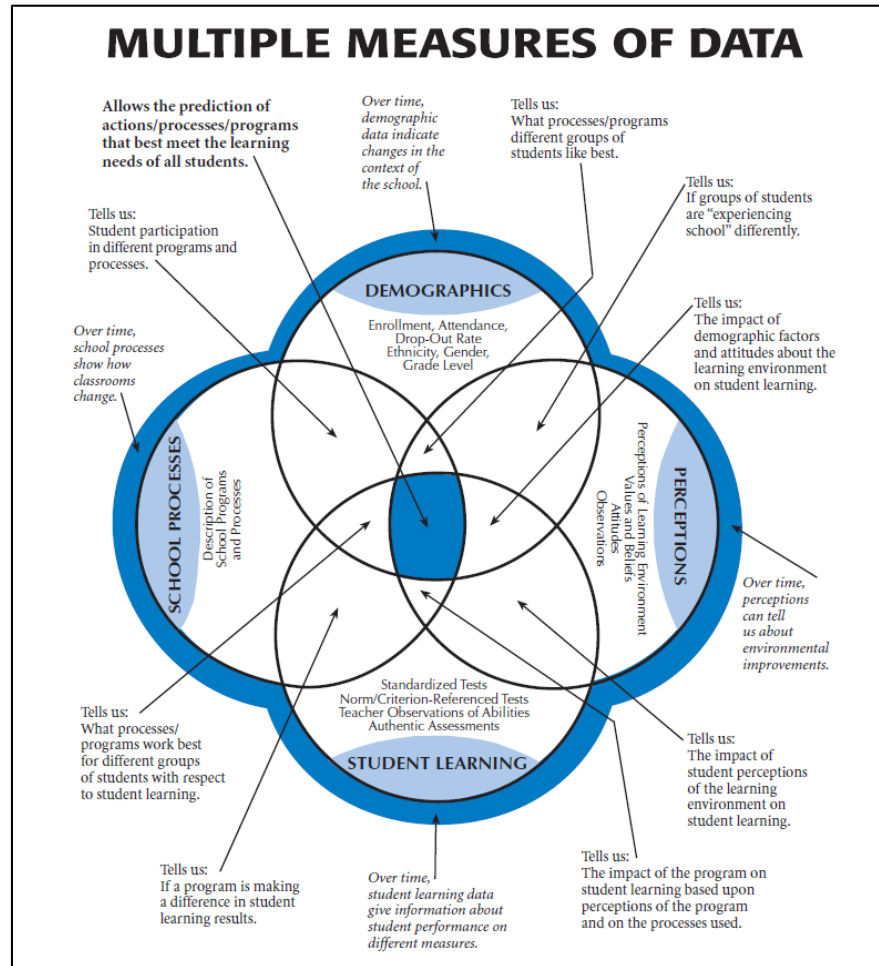
- Exploring ways data helps in our work.

Acknowledging Data in Our World



Education Data 101

Data in Our World: Multiple Measures



Demographics

Perceptions

School Processes

Student Learning

Multiple Measures

by Victoria L. Bernhardt

Let's talk about multiple measures. Many state and federal regulations now require schools to report multiple measures — multiple measures of student achievement, that is. While we applaud these changes from the old method of using one standardized achievement score to make decisions about how well a school is doing, multiple measures of student learning alone are not sufficient for comprehensive school improvement, and, in fact, can be misleading in this regard.

Many educators believe that over 50 percent of student achievement results can be explained by other factors. That being true, if we want to change the results we are getting, we have to understand the other 50 percent to know why we are getting the results we are getting. Then we need to change what we do in order to get different results.

Any definition of multiple measures should include four major measures of data — not just student learning, but also demographics, perceptions, and school processes. Analyses of demographics, perceptions, student learning, and school processes provide a powerful picture that will help us understand the school's impact on student achievement. When used together, these measures give schools the information they need to improve teaching and learning to get positive results.

In the figure that follows, the four major measures are shown as overlapping circles. The figure illustrates the type of information that one can gain from individual measures and the enhanced levels of analyses that can be gained from the intersections of the measures.

One measure by itself gives useful information. Comprehensive measures, used together and over time, provide much richer information. Ultimately, schools need to be able to predict what we must do

to meet the needs of all students they have, or will have in the future. The information gleaned from the intersections of these four measures (demographics, perceptions, student learning, and school processes) helps us to define the questions we want to ask, and focuses us on what data are necessary in order to find the answers.

Demographic data provide descriptive information about the school community, such as enrollment, attendance, grade level, ethnicity, gender, and native language. Demographic data are very important for us to understand. They are the part of our educational system over which we have little or no control, but with which we can observe trends and glean information for purposes of prediction and planning. Demographic data assist us in understanding the results of all parts of our educational system through the disaggregation of other measures by demographic variables.

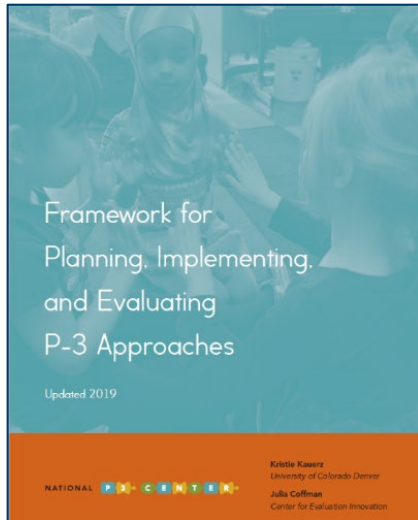
Perceptions data help us understand what students, parents, teachers, and others think about the learning environment. Perceptions can be gathered in a variety of ways—through questionnaires, interviews, and observations. Perceptions are important since people act in congruence with what they believe, perceive, or think about different topics. It is important to know student, teacher, and parent perceptions of the school so school personnel know what they can do to improve the system. Perceptions data can also tell us what is possible.

Student Learning describes the results of our educational system in terms of standardized test results, grade point averages, standards assessments, and authentic assessments. Schools use a variety of student learning measurements—usually separately—and sometimes without thinking about

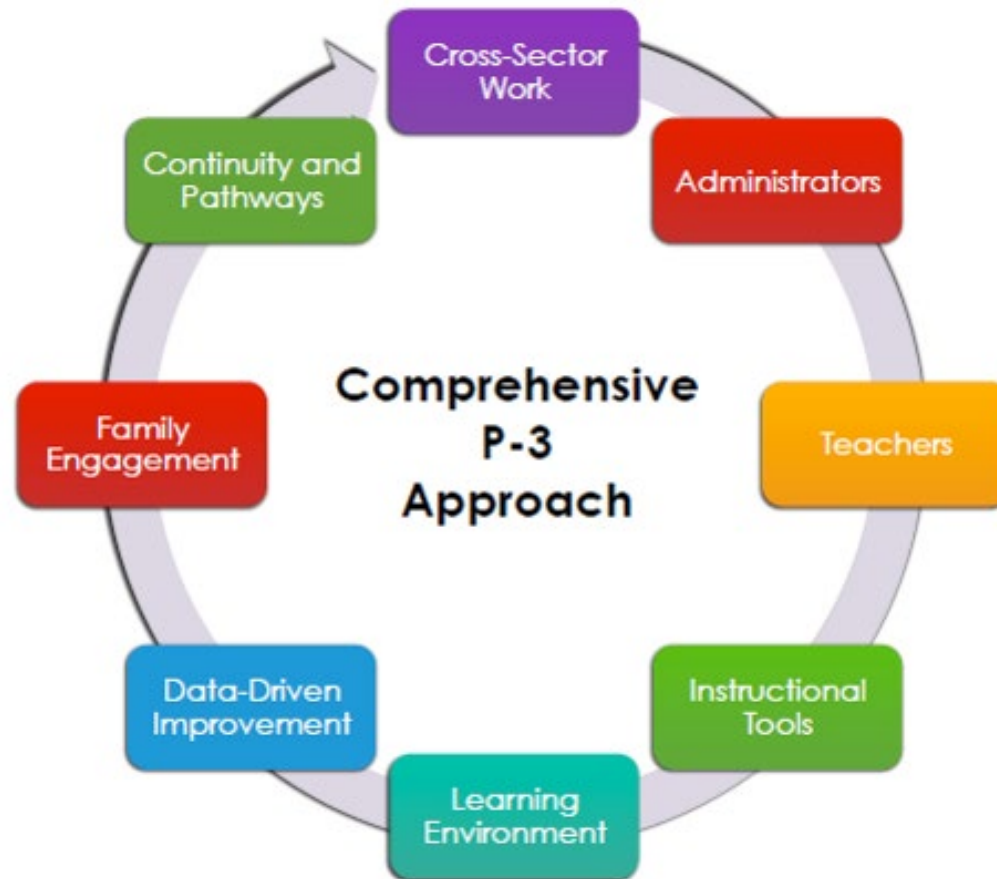
Bernhardt, V. L. (1998, March). Invited Monograph No. 4. California Association for Supervision and Curriculum Development (CASCD). Page 1 of 5

Multiple Measures

Data in Our World: In Frameworks and Models



[National P3 Center](https://www.nationalp3center.org/)



Data-driven Improvement

P-3 Strategies

Child Data

Data from child assessments are used to identify achievement gaps and to drive instructional improvement.

Example Implementation Indicators

District/Community Administrators

- Demonstrate understanding of appropriate uses of data and support data systems that gather, store, and disseminate data.
- Establish and support common measurements and consistent data reporting mechanisms across schools and programs.
- Demonstrate commitment to using data to identify and address inequities that exist by providing data disaggregated by student sub-groups (e.g., dual language learners; race/ethnicity; socio-economic status).
- Ensure disaggregated data are available by classroom, age/grade level, and schoolwide.

Principals/Site Administrators

- Use disaggregated data to allocate and differentiate resources to provide tiered levels of intervention.
- Use data to inform, establish, and deliver professional learning priorities.
- Share data among ECE programs and schools (e.g., assessment loops).

Teachers

- Work in teams to analyze data and student work to plan instruction and identify their own learning needs and next edges of growth.
- Use progress monitoring tools to understand children's strengths and needs.

Families

- Have access to data about their own child, classrooms, and programs/schools.
- Understand the data available and how to use them to support their children's learning.

School/Program-based Data

Other meaningful data markers (e.g., classroom observations; student attendance; family engagement) are used to identify areas for improvement and to realign resources to support P-3 efforts.

District/Community Administrators:

- Prioritize data that align with expectations for shared continuous improvement and instructional coherence.

Principals/Site Administrators

- Develop expectations and processes that ensure multiple data sources are used to understand instructional effectiveness and overall program improvement.
- Ensure teachers engage in professional learning on data availability, accessibility, and use.
- Discuss data on instructional quality with teachers in joint P-3 meetings.

Teachers

- Work in teams and with coaches to improve understanding and use of data.
- Incorporate data into family conferences.
- Use data to understand and reduce disparities in opportunities provided to different sub-groups of children.

Families

- Discuss data with their children's teachers.
- Understand what the data mean for their children, both inside and outside of the classroom.

Key Buckets of Overlap: Administrator Effectiveness; Teacher Effectiveness; Instructional Tools

Data in Our World: Data Systems

Baig et al. *International Journal of Educational Technology in Higher Education* (2020) 17:44
https://doi.org/10.1186/s41239-020-00223-0

REVIEW ARTICLE **Open Access**

Big data in education: a state of the art, limitations, and future research directions

Maria Ijaz Baig, Liyana Shuib^{*} and Elaheh Yadegardehkhordi

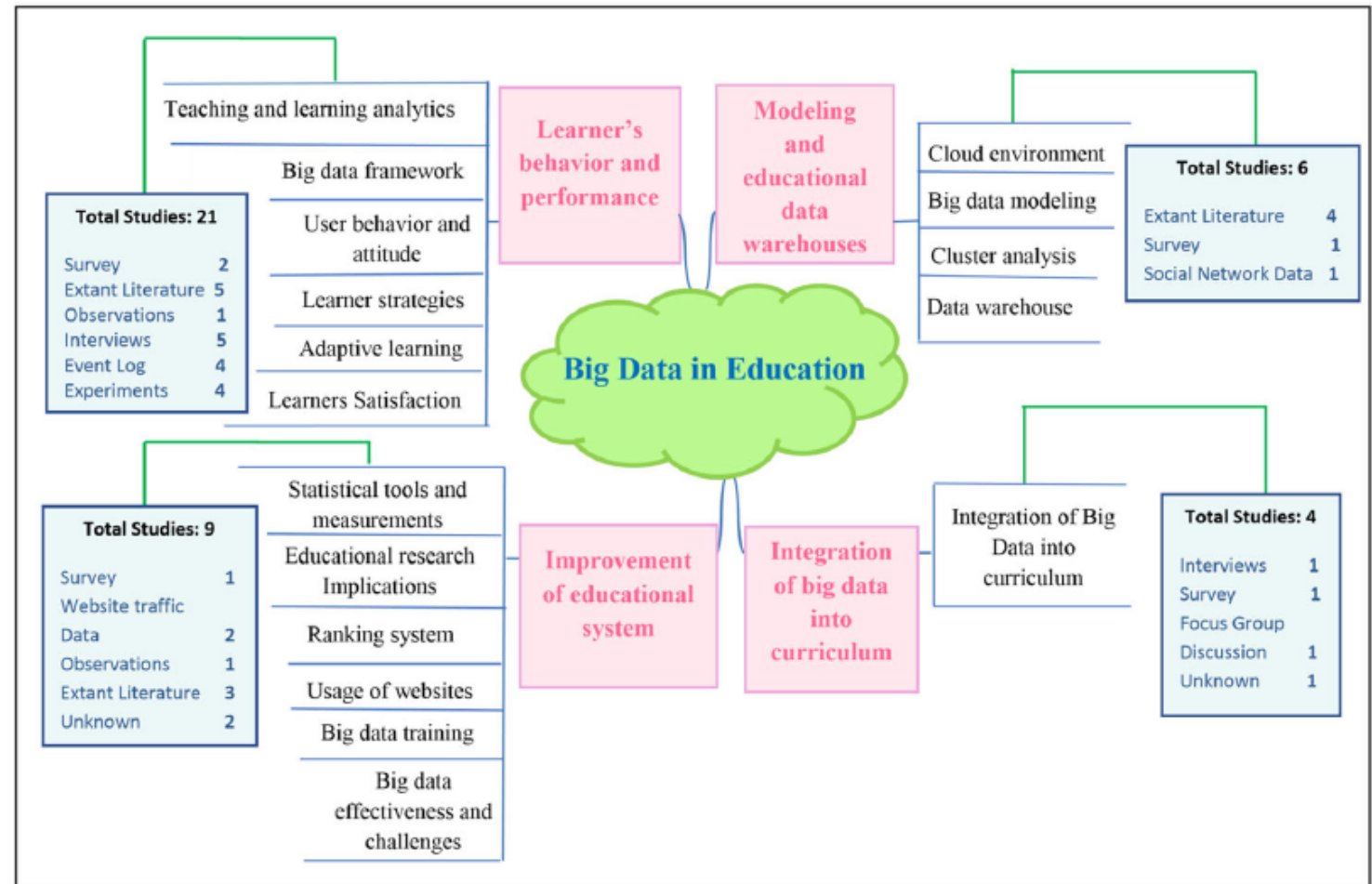
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Abstract
Big data is an essential aspect of innovation which has recently gained major attention from both academics and practitioners. Considering the importance of the education sector, the current tendency is moving towards examining the role of big data in this sector. So far, many studies have been conducted to comprehend the application of big data in different fields for various purposes. However, a comprehensive review is still lacking in big data in education. Thus, this study aims to conduct a systematic review on big data in education in order to explore the trends, classify the research themes, and highlight the limitations and provide possible future directions in the domain. Following a systematic review procedure, 40 primary studies published from 2014 to 2019 were utilized and related information extracted. The findings showed that there is an increase in the number of studies that address big data in education during the last 2 years. It has been found that the current studies covered four main research themes under big data in education, mainly, learner's behavior and performance, modelling and educational data warehouse, improvement in the educational system, and integration of big data into the curriculum. Most of the big data educational researches have focused on learner's behavior and performances. Moreover, this study highlights research limitations and portrays the future directions. This study provides a guideline for future studies and highlights new insights and directions for the successful utilization of big data in education.

Keywords: Data science applications in education, Learning communities, Teaching/learning strategies

Introduction
The world is changing rapidly due to the emergence of innovational technologies (Chae, 2019). Currently, a large number of technological devices are used by individuals (Shorffuzaman, Hossain, Nazir, Muhammad, & Alamri, 2019). In every single moment, an enormous amount of data is produced through these devices (ur Rehman et al., 2019). In order to cater for this massive data, current technologies and applications are being developed. These technologies and applications are useful for data analysis and storage (Kalaian, Kasim, & Kasim, 2019). Now, big data has become a matter of interest for researchers (Ansari, Alas, & Yunus, 2019). Researchers are trying to define and characterize big data in different ways (Mikalef, Pappas, Krogstie, & Giannakos, 2018).

Big Data in Education



Data in Our World: An Indispensable for Early Education



[Indispensables for Quality Pre-K](#)

Part I: Awareness, Access, and Engagement

Embracing the Role of Data

1. Acknowledging and valuing data in the world of early education.
 - Developing a shared understanding about data.
 - Acknowledging ways we currently use data.
2. Deepening our engagement with data.
 - Exploring ways data helps in our work.

A Broad, Practical View of Data

Data:

Information collected for use.

- Cambridge Dictionary

Information:

Knowledge gained through study, communication, research, instruction, etc.; factual data.

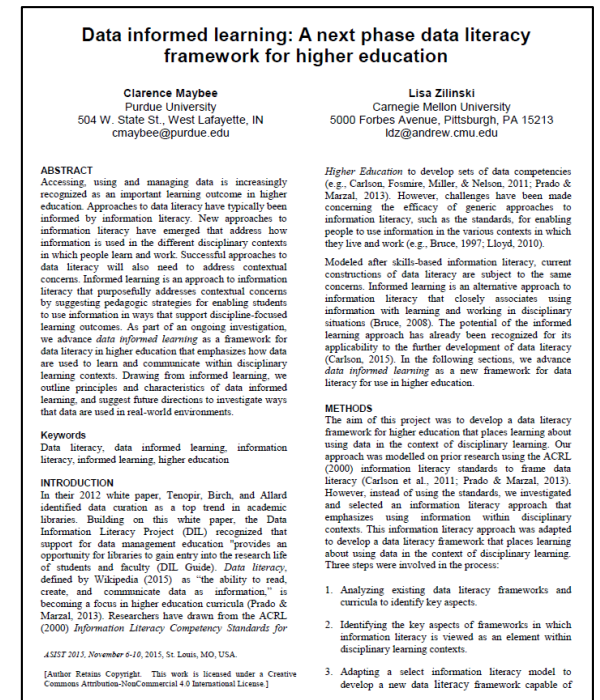
- Dictionary.com



Data + Information = Data Informed Learning

- Informed learning emphasizes “learning” as an outcome of engaging with information.
- Authors introduce *data informed learning* as an approach to data literacy that shifts the focus from acquiring generic data-related skills to **learning how to use data in contexts**.

In what ways do you use data in your everyday life?



[Data Informed Learning](#)

Data as Information Collected for Use – *Current Practice*

What are some ways we currently collect and use data?

- To see how registration is going.
- To determine if we have funds to purchase classroom equipment.
- To assess staff compensation.
- To assess and address a problem.
- To assess and/or monitor performance (budgets, classrooms, policies, practices, programs, staff, students, etc.).
- To gather and report required information to MDE, or other organizations (based on funding/program requirements).

Being Intentional about How We Use Data

Examples of ways we intentionally use data:

- Decision making
- Ethics, equity
- Monitoring
- Program improvement, enhancements
- Accountability or compliance
- Respond to needs, goals
- Identifying/analyzing problems, needs, etc.
- Collaborative approaches/solutions.

Understanding Your Current State of Data Collection and Use

What data do you and your staff collect?

- Who is collecting data and what is being collected?
- When is data collected? Is it ongoing?
- Why is it collected?

What data does your program collect (and manage/record)?

- Required (participant data, class data, etc.)?
- Home visiting data? School transition data? Behavioral?

How do you use, or plan to use, the data?

- Evaluation (staff, program, goals, initiative, etc.)?
- Planning?
- Compliance or monitoring?

Discussion #1: Current Data Collection



- What data do you and your staff collect?
- What data does your program collect (and manage/record)?
- How do you use, or plan to use, the data?

Part I: Awareness, Access, and Engagement

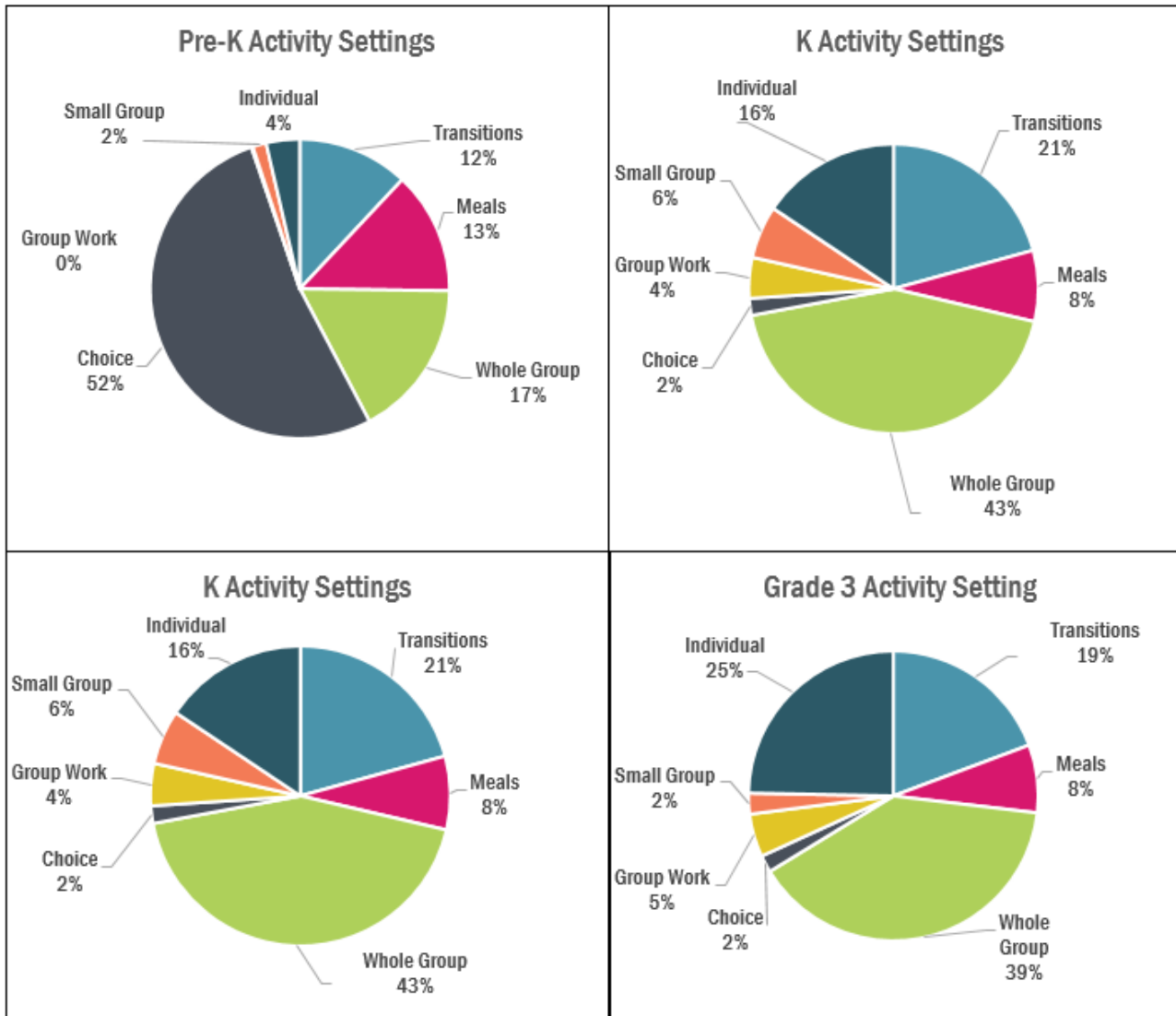
Embracing the Role of Data

1. Acknowledging and valuing data in the world of early education.
 - Developing a shared understanding about data.
 - Acknowledging ways we currently use data.
2. Deepening our engagement with data.
 - Exploring ways data helps in our work.

Moving Something from the Unknown to the Known

What are some data/information we wish we had?

- For children?
- For parents?
- For classroom teachers?
- For program supervisors/administrators?
- For district and community leaders?
- For state leaders and representatives?



What does the structure of our day look like?

[EduSnap](#) quantifies how children experience their classrooms.

Employing 25 codes, EduSnap provides an in-depth look at how children experience activity settings (e.g. *Whole Group, Small Group, Transitions*), content areas (e.g. *Literacy, Science, Math*), student learning approaches (e.g. *Collaboration, Metacognition*), and teaching approaches (e.g. *Didactic, Scaffolds*).

**The charts on the left are from Adam Holland's presentation at a P3 Principal Leadership Series session.*

How Children Experience Activity Settings - EduSnap

Identifying Various Layers/Purposes/Roles of Data

Why do we monitor registration?

- To determine if a class will run.

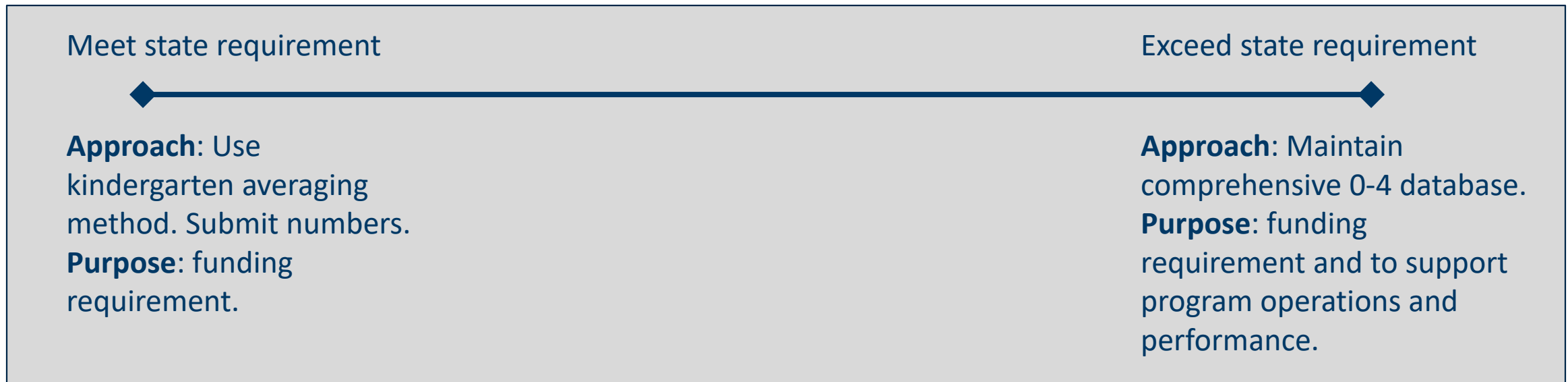
What are some additional reasons to monitor/analyze registration?

- To help make staffing decisions.
- To see who is registering for what.
- To identify gaps in registration.
- To bring awareness to a need for further exploration/analysis.

One Data Requirement, Multi-Purposed (*example*)

0-4 Census Data Reporting

Requirement: Districts are required to submit the number of children ages 0-4 as of September 1, of each year, who are residing in their district as of October 1. Reporting deadline is 11/30.



Being Intentional and Strategic – Clear Priorities

What and how do we prioritize?

- How is data connected to our values and goals?
 - Closing achievement gaps, equity, kindergarten success, family engagement, etc.?
 - Strategic plans, mission statements, yearly goals, World's Best Workforce, etc.
- What data is required (district, funding source, state, etc.)?
 - ECFE needs assessment, MCCC, 0-4 Census, Screening, VPK, funds from a grant, etc.
- How does data benefit students/participants?
- How do we balance depth and breadth of data?

Gathering and Collecting Data – Clear Processes



[What Works Clearinghouse](#)

How do you decide what data to collect?

- Is it data you are generating, accessing, adapting, etc.?

How do you determine what type of data is best suited for your needs?

- Building, assessing, informing, monitoring, problem-solving, accountability, performance, efficiency, effectiveness, etc.

How do you determine the quality of the data?

- What are reliable sources?

Who are the data experts throughout your system?

- Build the system. What can others do for you?

We Collect a Variety of Data from Various Sources

Examples of Data Types and Sources

Student Non-Academic/ Demographic Data

- Ed-Fi and MARSS entry data .
- Enrollment trends.
- Transportation.
- Attendance.
- Food security.
- Housing Security.
- Health Security.
- Program participation

Perception Data

- MDE Family Survey.
- Community Needs Assessment.
- Observations.
- Focus groups.
- Parent-Teacher conference reports.
- Local ECCE class survey

Student Academic Data

- Screening
- VPK/SRP Measuring Impact.
- School Readiness pre and post.
- Formative assessments.
- Work samples.
- MN Common Course Catalog.
- P/T Conference Reports

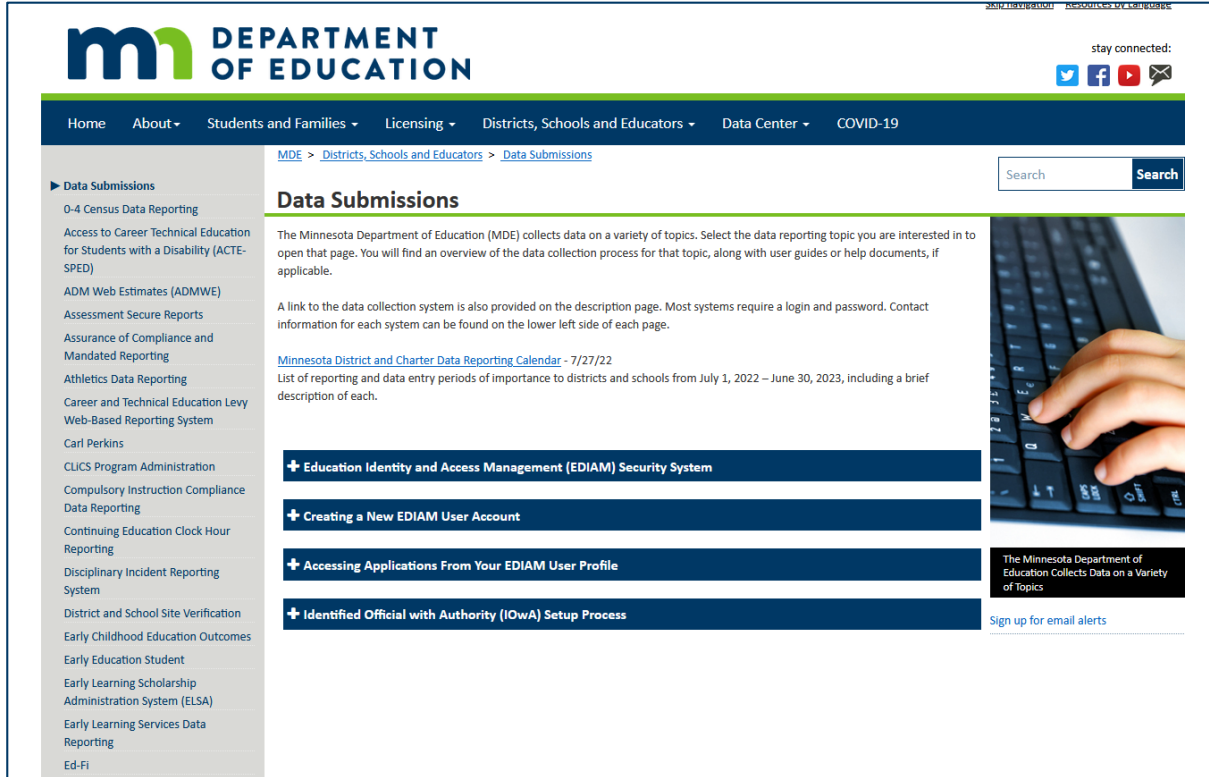
Program, Process, and Policy Data

- Community Needs Assessment.
- VPK/SRP Annual Program Survey.
- Program evaluation data.
- Leadership Capacity.
- Mapping/analyzing system continuity.
- Gap analysis.
- Policy impact

Fidelity Data

- Fidelity of implementation (self-assessed using P3 framework).
- Measures of commitment to students, families, staff, school, community and profession.


Data Submissions and Data Reports – State Level



The screenshot shows the Minnesota Department of Education (MDE) website's 'Data Submissions' page. The header includes the MDE logo and navigation links: Home, About, Students and Families, Licensing, Districts, Schools and Educators, Data Center, and COVID-19. A sidebar on the left lists various data reporting topics. The main content area is titled 'Data Submissions' and contains an introductory paragraph, a link to the data collection system, and a link to the 'Minnesota District and Charter Data Reporting Calendar - 7/27/22'. Below this, there are four blue buttons with white text: '+ Education Identity and Access Management (EDIAM) Security System', '+ Creating a New EDIAM User Account', '+ Accessing Applications From Your EDIAM User Profile', and '+ Identified Official with Authority (IOwA) Setup Process'. A search bar is located in the top right corner of the main content area.

[Data Submissions](#)

Reports in the [Data Center](#)



The screenshot shows the Minnesota Department of Education (MDE) website's 'Data Center' page. The header includes the MDE logo and navigation links: Home, About, Students and Families, Licensing, Districts, Schools and Educators, Data Center, and COVID-19. A sidebar on the left lists various data reporting topics. The main content area is titled 'Data Center' and contains a list of links: 'Data Reports and Analytics', 'Early Childhood Longitudinal Data System (ECLDS)', 'Maps', 'Minnesota Report Card', 'Safe Learning Model Data', 'Schools, Districts and Teachers at a Glance', 'Schools and Organizations (MDE-ORG)', 'Secure Reports', 'Statewide Longitudinal Data System (SLEDs)', and 'Statewide Longitudinal Data System (SLEDs) Secure Reports'.

Data Reports and Analytics

Early Childhood Longitudinal Data System (ECLDS)

Maps

Minnesota Report Card

Safe Learning Model Data

Schools, Districts and Teachers at a Glance

Schools and Organizations (MDE-ORG)

Secure Reports

Statewide Longitudinal Data System (SLEDs)

Statewide Longitudinal Data System (SLEDs) Secure Reports

State Level Data – example

11/4/2022 10:34								
Early Childhood Programming - Statewide Expenditure Percentages								
The table below shows statewide expenditures averages. Specifically, it shows statewide averages on how much districts spent (on average over a five year period) on each Object Code as a percentage of total expenditures. For example, consider an ECFE program that spent a total of \$100,000 last fiscal year. Of their total expenditures, they spent \$40,000 on licensed teachers (Object Code 140); this would represent 40% of their total expenditures.								
PURPOSE: The purpose of this table is to help you plan budgets. It may be helpful to consult this table as you look at expenditures in your budgets. How do your percentages compare to statewide averages? If you are above or below statewide averages, what might be the reason? Note, this does not mean your program must have percentages within these ranges. Rather, this is just a tool to help you analyze your budgets. This table can also help you compare percentages among your early childhood programs to ensure you are braiding funds accurately and fairly. For example, if your non-instruction support (Object Code 170) expenditures are a higher percentage in ECFE compared to other programs, how is the extra cost justified? Or, do you need to make changes to ensure costs are coded fairly?								
OBJECT DIMENSION <i>Always refer to most recent UFARS manual</i>	Minnesota PreK Programs and Funding Sources							Notes
	ECFE	ECS	ELS	HV	SR	SR+	VPK	
UFARS Program Code	580	583		580	582	584	200	
UFARS Finance Code	325	354	337	328	344	000	000	
Salaries and Wages (100)			338				355	355 is only used with VPK funding if the district has approval for building remodel related to
110 Administration/Supervision	1.5 to 2%		.75 to 1.25%		.6 to 1.8%			ECFE and School Readiness have a 5% limit
120 EC Administration	7.5 to 10%		1 to 2%		3.5 to 4.5%			
140 Licensed Classroom Teacher	32 to 35%		38 to 42%		34 to 40%			ECFE and SR+ require licensed teachers
141 Non-licensed Classroom Personnel	8 to 11%		14 to 16%		13 to 15%			
143 Licensed Instructional Support Personnel	1 to 2%		3 to 5%		2%			
144 Non-Licensed Instructional Support Personnel	<1%		1 to 4%		1 to 2%			
145 Substitute Teacher Salaries	<.5%		<.25%		0.50%			
146 Substitute Non-Licensed	<.25%		<.10%		<.25			

Statewide, what are average expenditures in each program?

- How could this help with your budgeting process?

Early Childhood Longitudinal Data System

MENU

- Home
- About ECLDS
- About ECLDS Data
- Outreach and Training
- Census Data
- Maps
- Tutorial Videos
- Kindergarten Reports
- Third Grade Reports

Minnesota ECLDS

Welcome

m MINNESOTA
EARLY CHILDHOOD
LONGITUDINAL DATA SYSTEM

Welcome to Minnesota's Early Childhood Longitudinal Data System!

We are proud to offer this new and evolving tool to help our state answer questions about young children and their development and learning.

Keep in mind, this is Minnesota's foundation for filling gaps in knowledge on children. We are excited to continue to grow our system and provide more robust information for all interested users around the state.

Thanks for visiting! Please come back often, we are constantly growing and adding new features. If you have any questions please contact ecls.support@state.mn.us.

What's New

Awareness of the Role of Data – Chaining/Connecting

Monitoring registration involves the element of time (which can be a data element), but we want to expand our analysis to learn more.

1. Why does someone register for an ECCE class? Preschool class? Or choose a child care center?
 - What are our program goals? How does this determine the data we seek/use?
2. How do we know if a child will experience a successful/challenging transition to kindergarten?
 - What is the transition to kindergarten? Do we have information/data on transitions? Do we have supports in place for children who may struggle with this transition?

Embracing the Role of Data

- Creating a shared understanding about data and its role.
- Valuing and prioritizing data.
- Understanding how we currently use data.
- Deepening our engagement with data.
 - Making connections

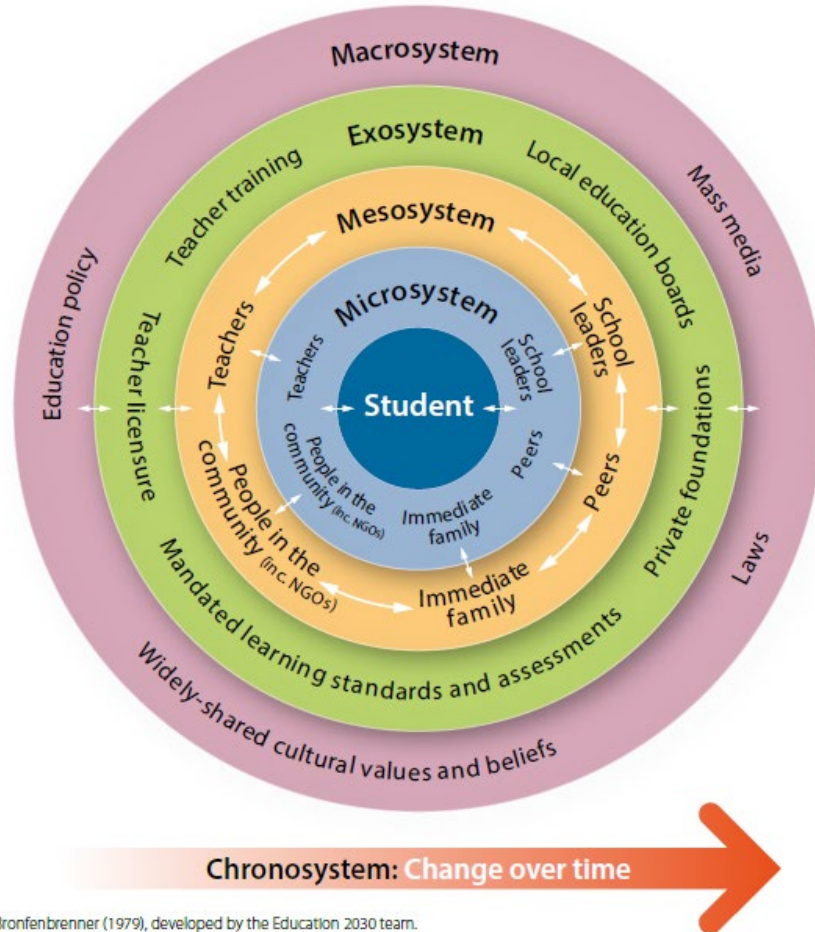
Part II: Engagement and Management

Embedding Data in Practice

1. Use the ecosystem to help organize our data explorations.
 - Seeing connections
2. Mapping and back-mapping as a foundational tool.
 - Enhancing your understanding of data systems.
3. Research to Practice: Ecosystem as a framework.

Using the Ecosystem Approach as a Guide

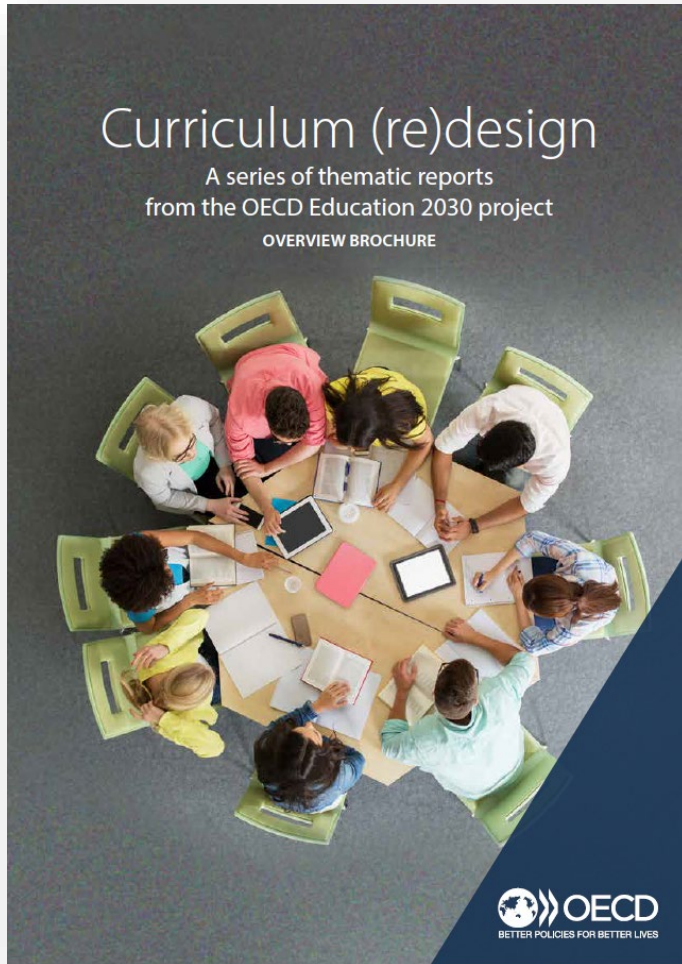
Figure 4. The Education 2030 ecosystem approach – multiple nested systems



The [OECD Education 2030 ecosystem](#) approach to curriculum analysis reflects the scope and complexity of systems that interact, build upon and influence one another, which have an impact on an individual's development through life. The model recognizes the **interactions between system levels, the students and their environments, and how these affect student learning**. At the broadest macro-level, cultural and societal beliefs about the purpose of education are overarching influences that have an impact on curriculum design, implementation and student learning.

Source: Adapted from Bronfenbrenner (1979), developed by the Education 2030 team.

Curriculum (re)design – Example of Organizing Information



What kinds of knowledge, skills, attitudes and values are necessary to understand, engage with and shape a changing world towards a better future in 2030?

How can policies and practices be transformed effectively to support young people's learning and well-being in the context of changing societies and economies?

[Curriculum \(re\)design, OECD](#)

Learning Ecosystem

What Is a Learning Ecosystem?

December 11, 2019 21 CLEO

An ecosystem for understanding learning. The idea of the ecosystem has been taken up within the social sciences and learning as a way to understand how the many pieces of the human experience fit together.

More recently, the term learning ecosystem has been used as a way to describe how different components interact within a learning environment.

[EdTech Center, World Education](#)

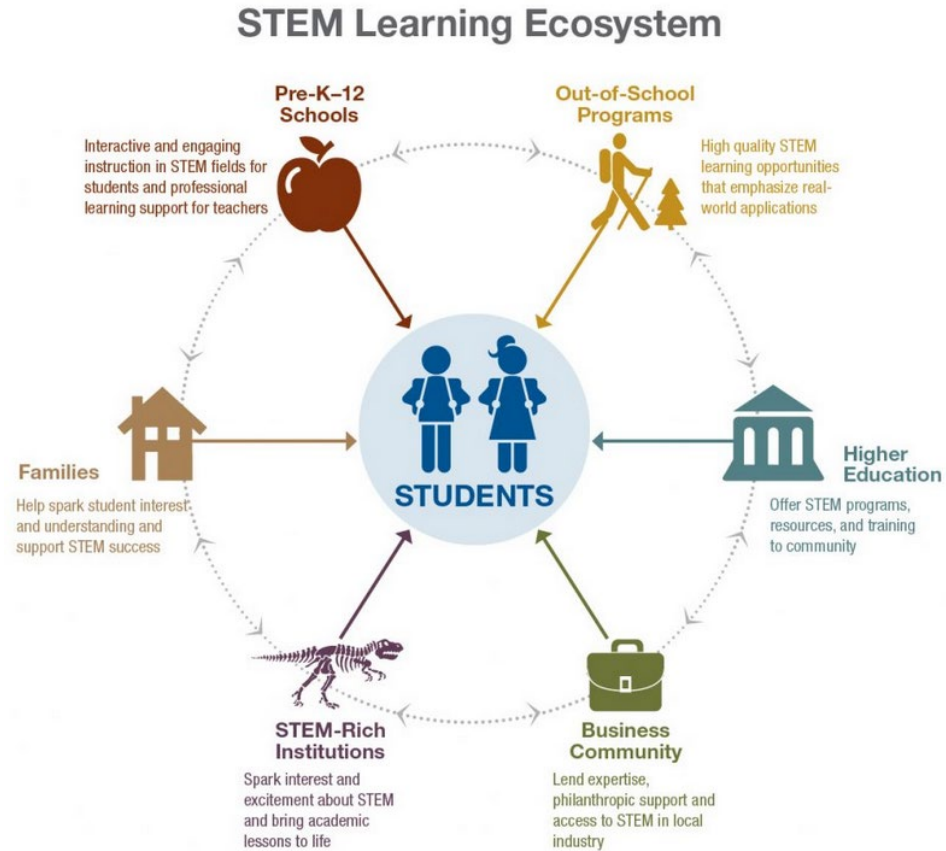
Examples of Living Components in a Learning Ecosystem

- Teachers
- Learners
- Employers and supervisors
- Human resource specialists
- Workforce professionals
- Co-workers
- Friends and family

Examples of Non-Living Components in a Learning Ecosystem

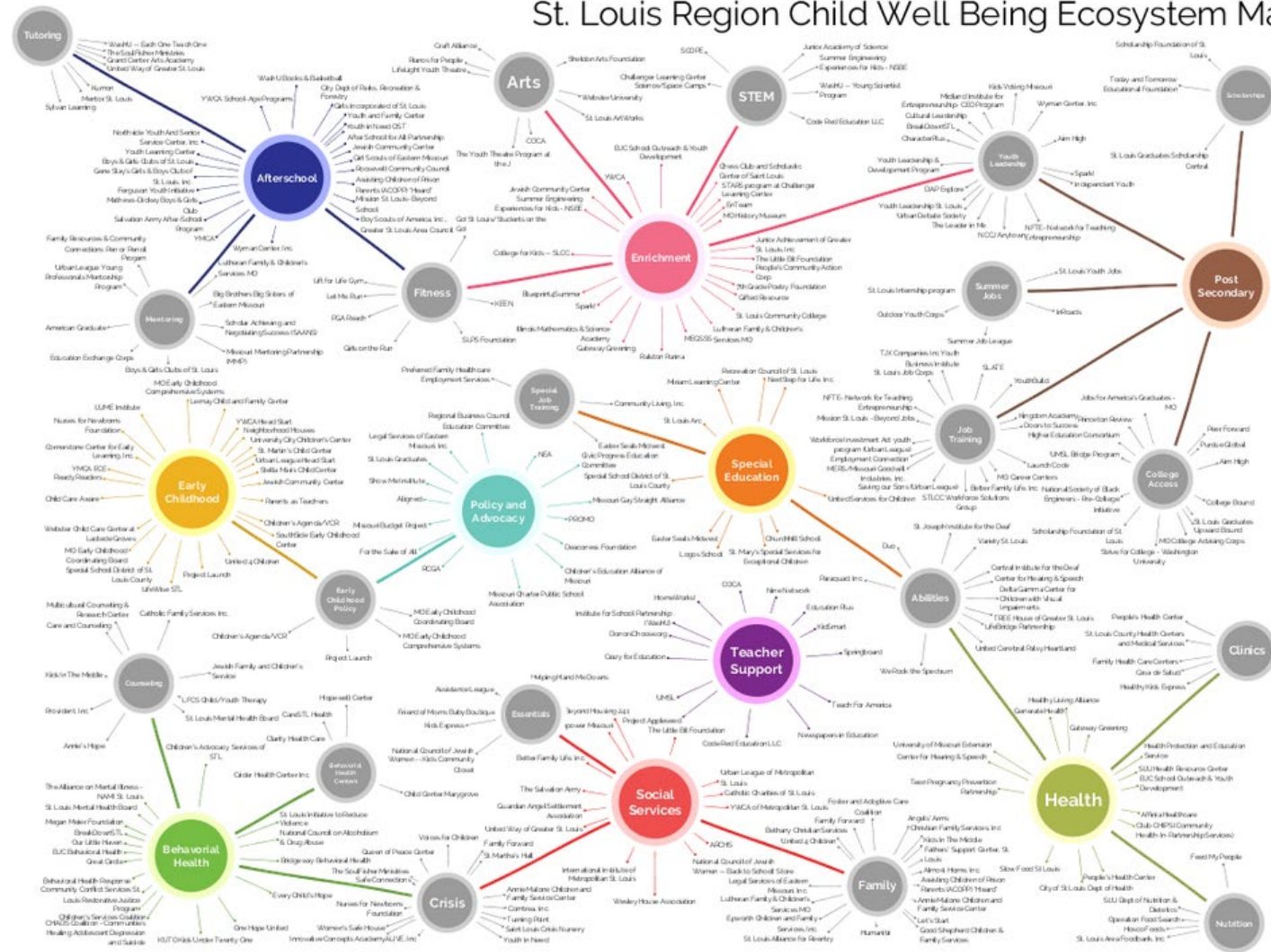
- Curriculum or content
- Learning resources
- Digital learning tools
- The internet
- Access to the internet
- Policy
- Devices such as computer, tablet, or smartphone
- Accessible space

STEM Learning Ecosystem



[Office of Elementary and Secondary Education](#)

St. Louis Region Child Well Being Ecosystem Map



© 2021 The Clark-Fox Family Foundation

[Clark-Fox Family Foundation](#)

St. Louis Ecosystem Map

Part II: Engagement and Management

Embedding Data in Practice

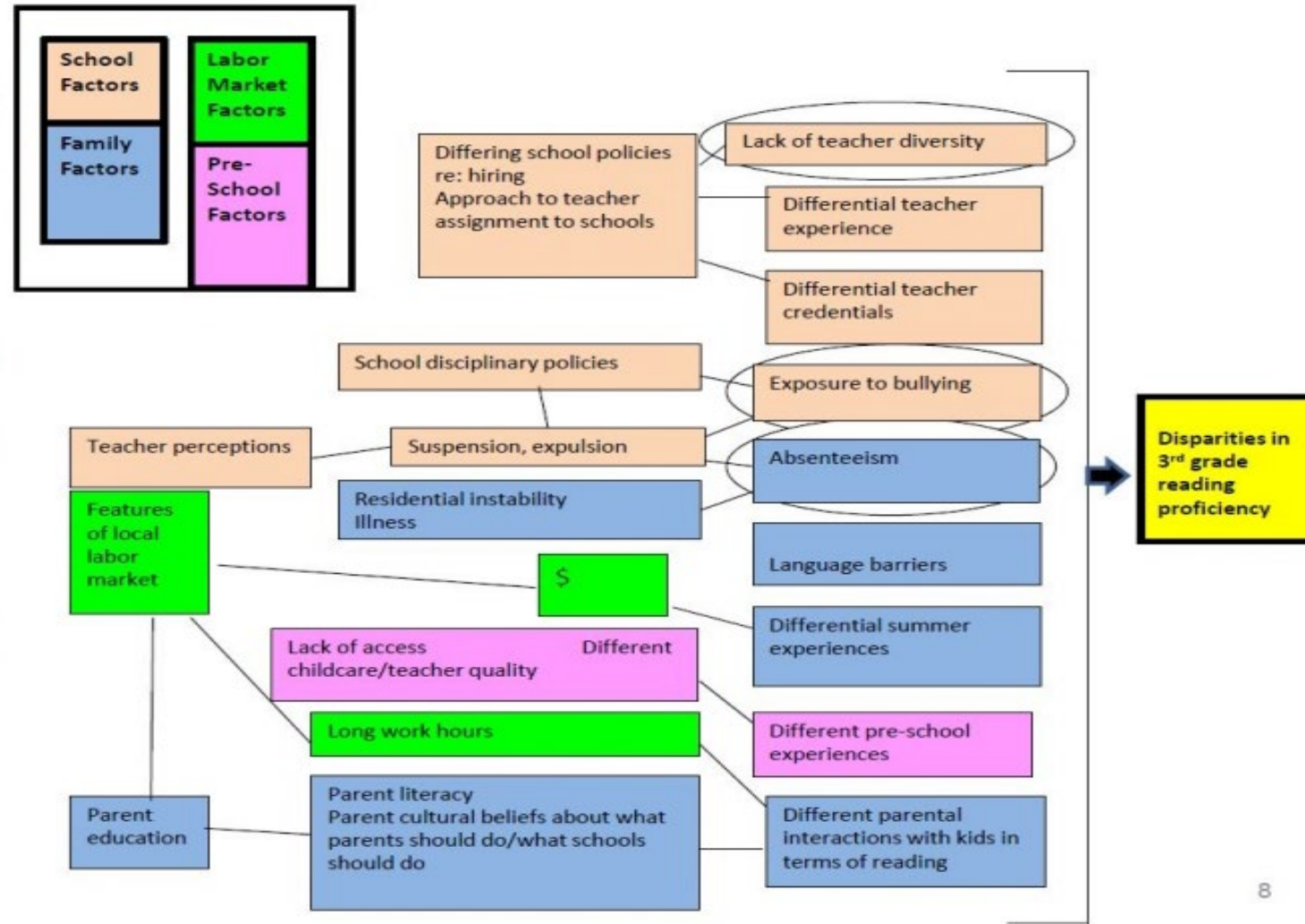
1. Use the ecosystem to help organize our data explorations.
2. Mapping and back-mapping as a foundational tool.
 - Enhancing your understanding of data systems.
3. Research to Practice: Ecosystem as a framework.

Mapping and backmapping as a tool

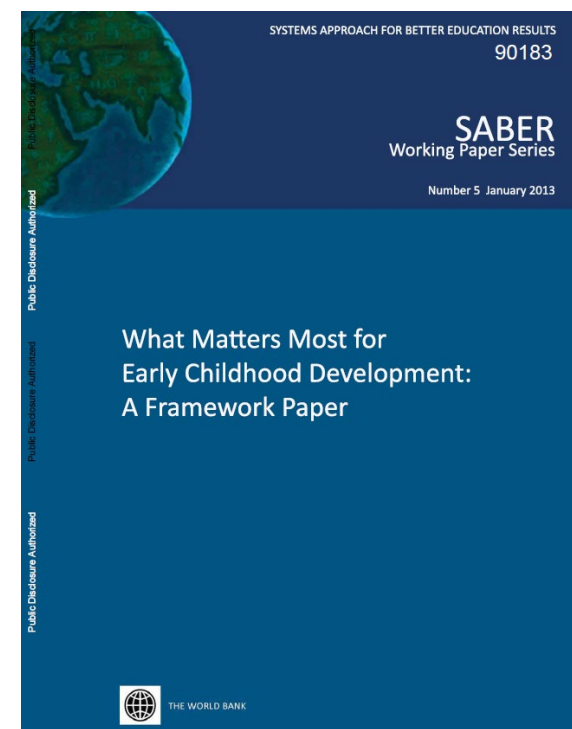
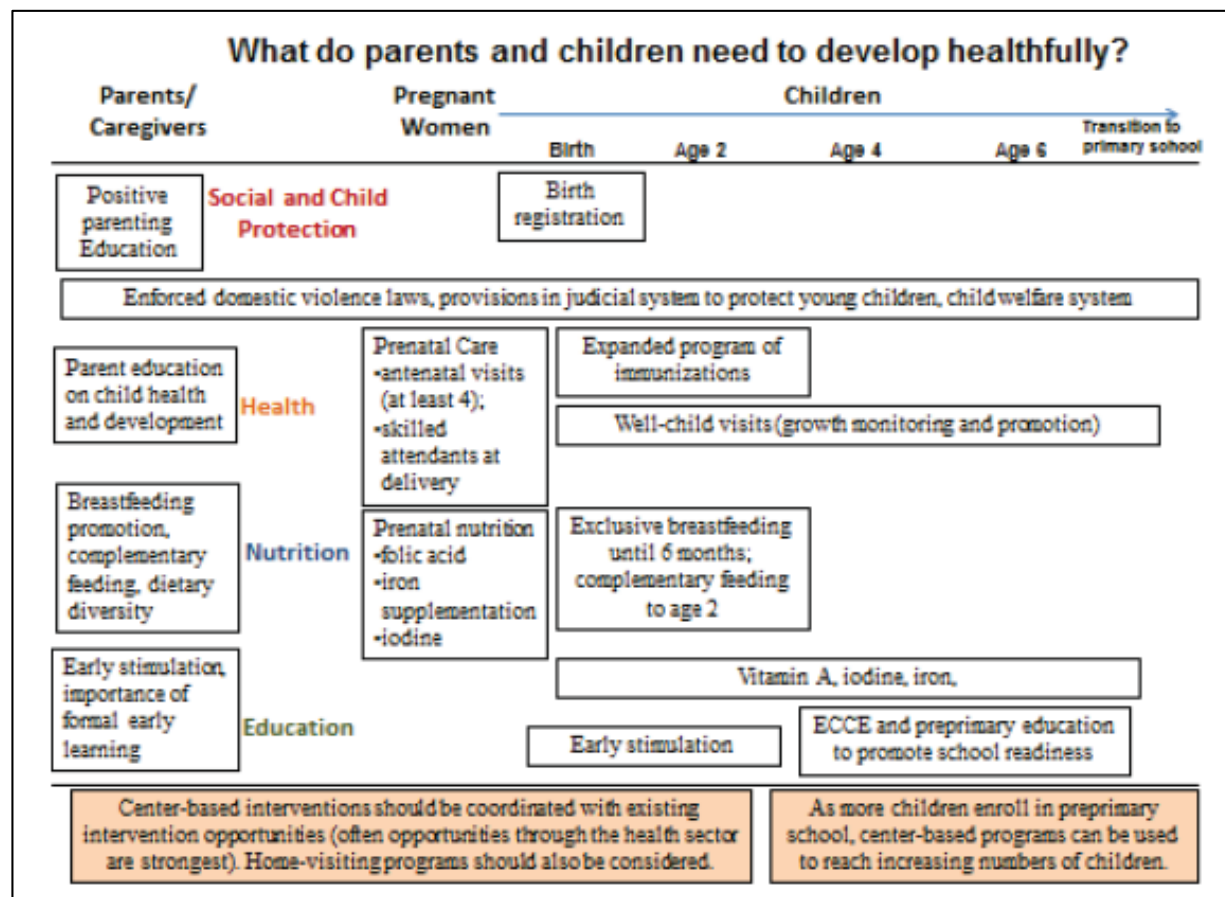
- Backmapping, Backward Design, and Understanding by Design are similar.
- Traditionally, we use forward design:
 - How to teach the content (consider learning activities) —————> assessments developed around learning activity —————> draw connections to the learning goals of course.
 - Start with learning goals
- Root Cause Analysis: Root cause analysis (RCA) is the process of discovering the root causes of problems in order to identify appropriate solutions. RCA assumes that it is much more effective to systematically prevent and solve for underlying issues rather than just treating ad hoc symptoms and putting out fires.
- [from Tableau](#)

Prioritizing – Backmapping using District Goal

Back Map for Educational Outcome of 3rd Grade Reading Proficiency

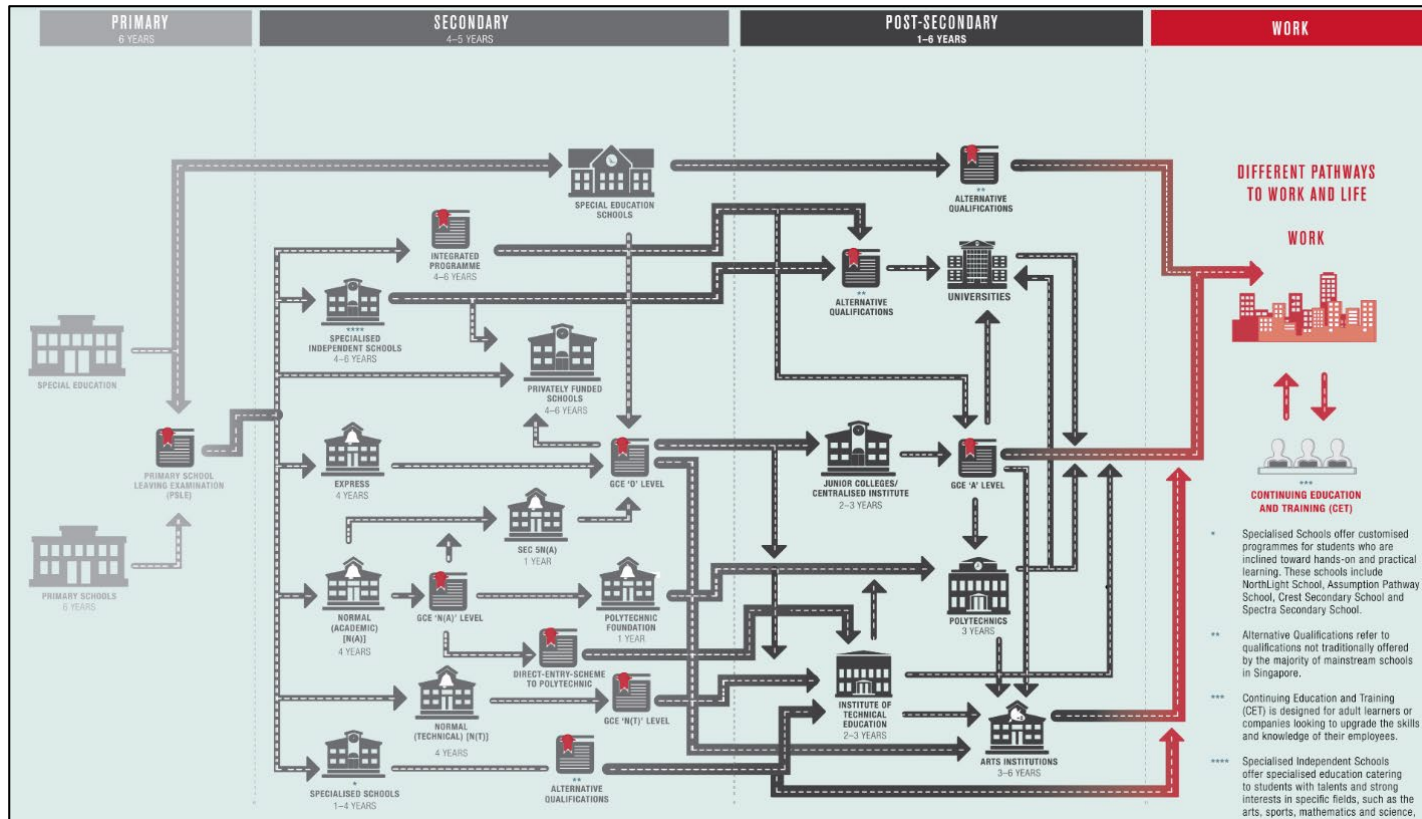


Systems Approach for Better Education Results (SABER)

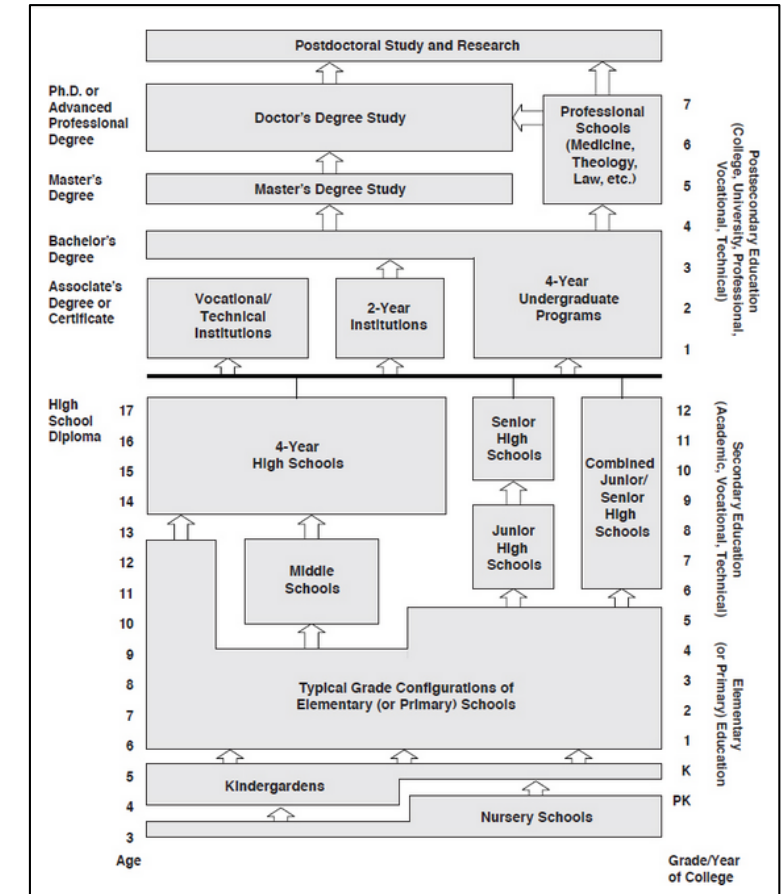


[What Matters Most for Early Childhood Development: A Framework Paper](#), The World Bank, Systems Approach for Better Education Results (SABER)

Mapping Examples – “A picture is worth...”

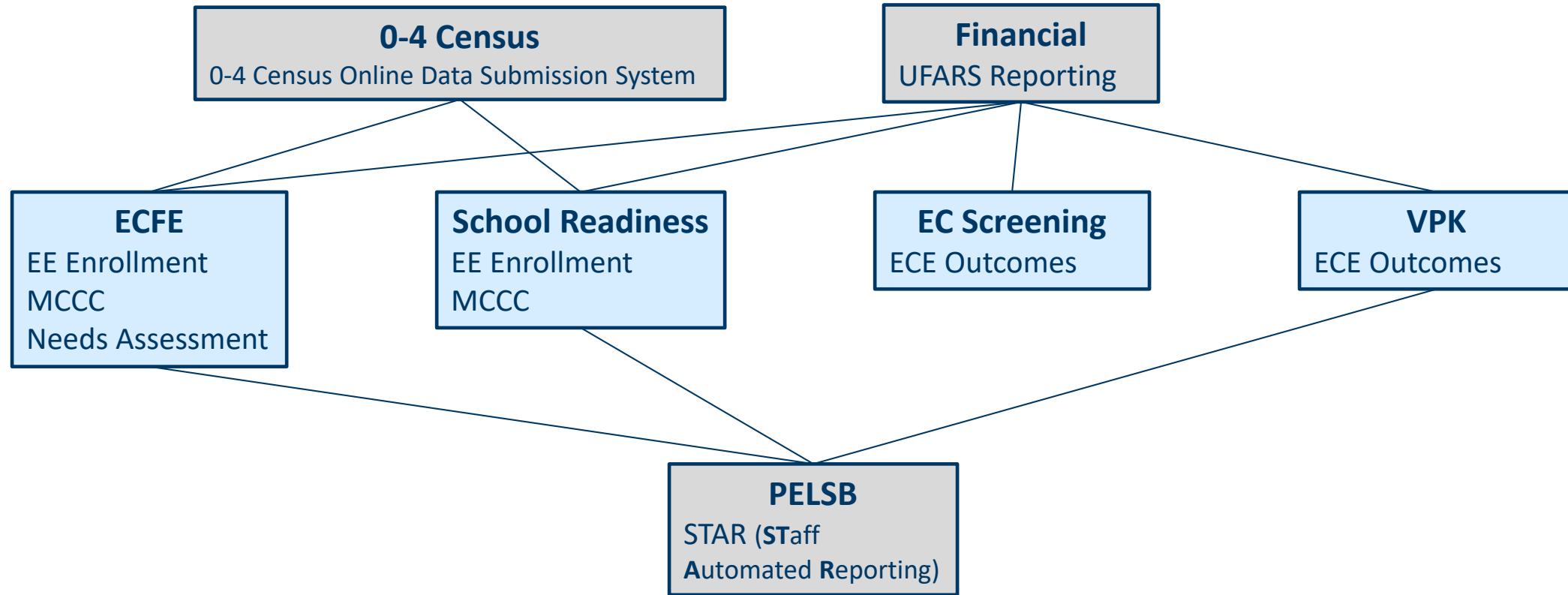


Investing in Our People - Singapore

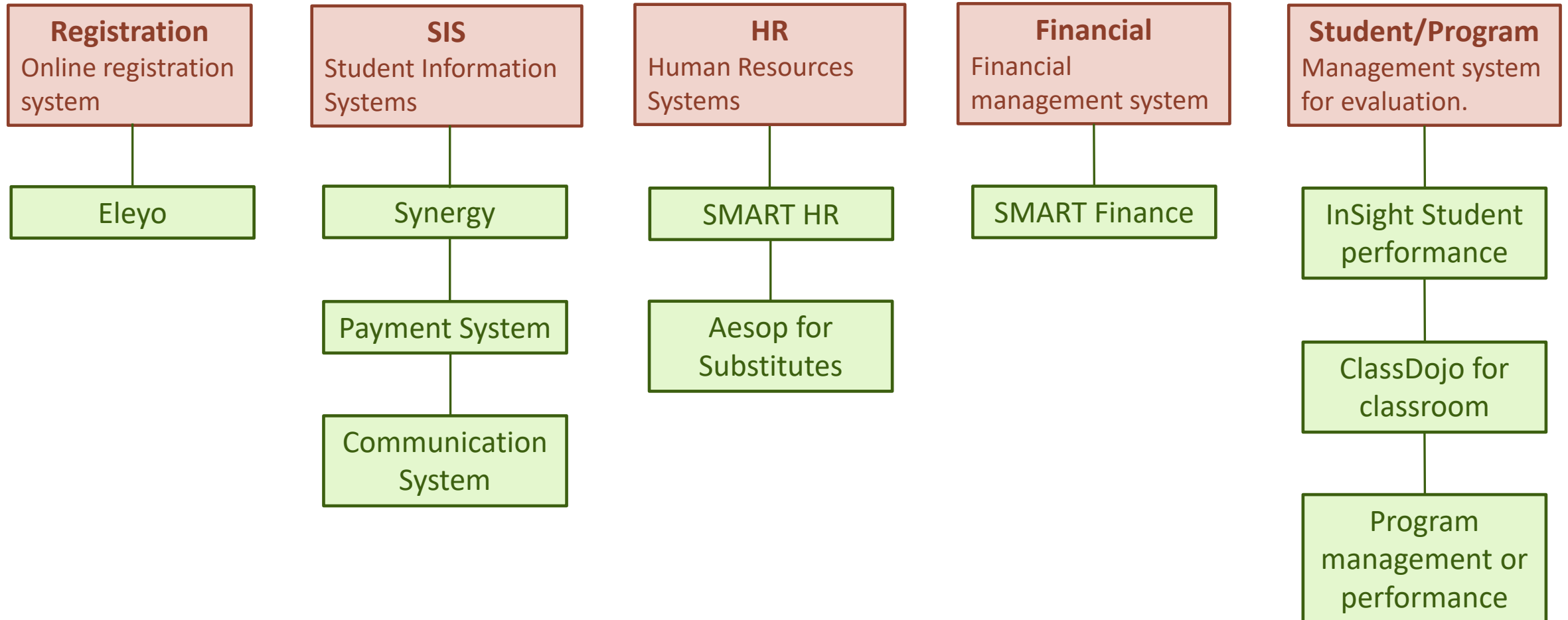


U.S. Education System – Basic Structure

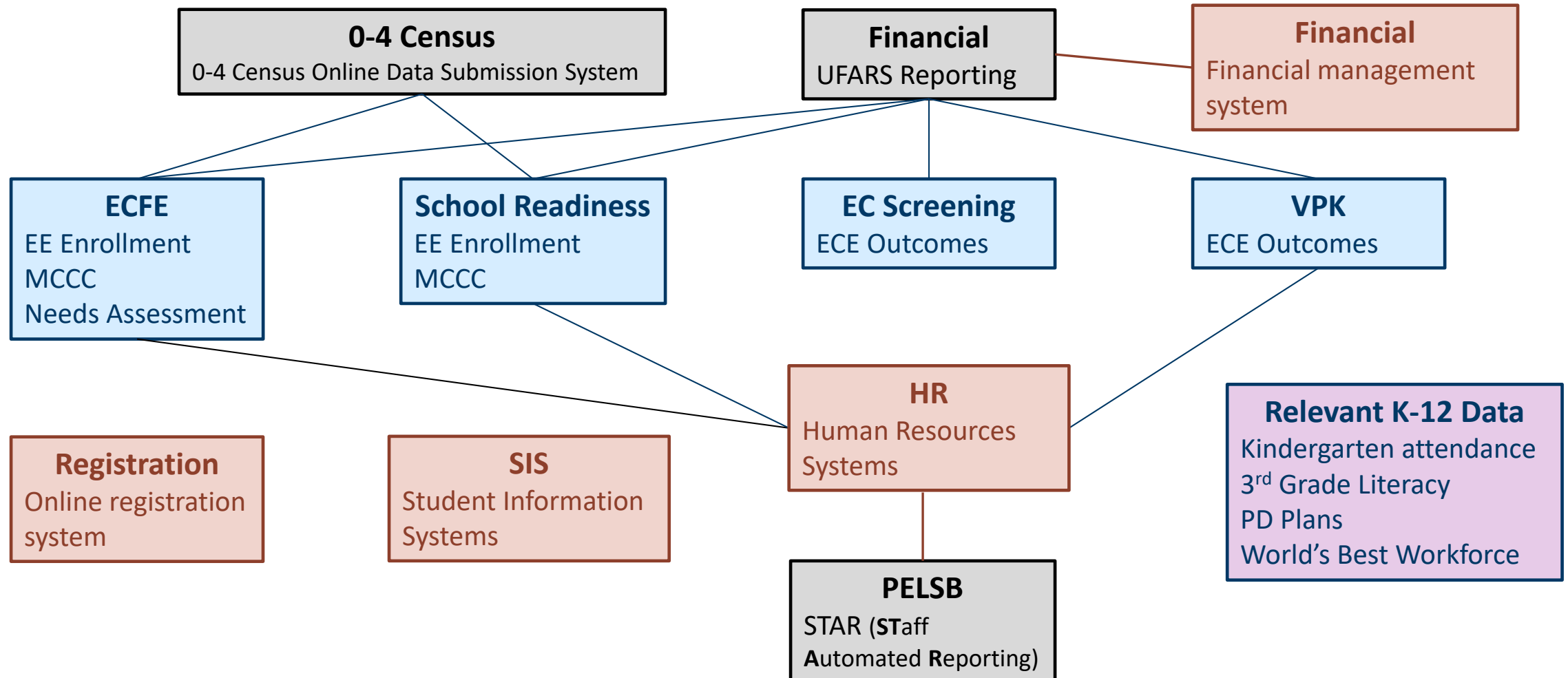
Mapping State Reporting (*examples*)



How is Data Managed in My Organization? *Example*



Mapping Data Flows and Processes in Your District



Part II: Engagement and Management

Embedding Data in Practice

1. Use the ecosystem to help organize our data explorations.
2. Mapping and back-mapping as a foundational tool.
 - Enhancing your understanding of data systems.
3. **Research to Practice: Ecosystem as a framework.**

Chronic Absenteeism and Ecosystem

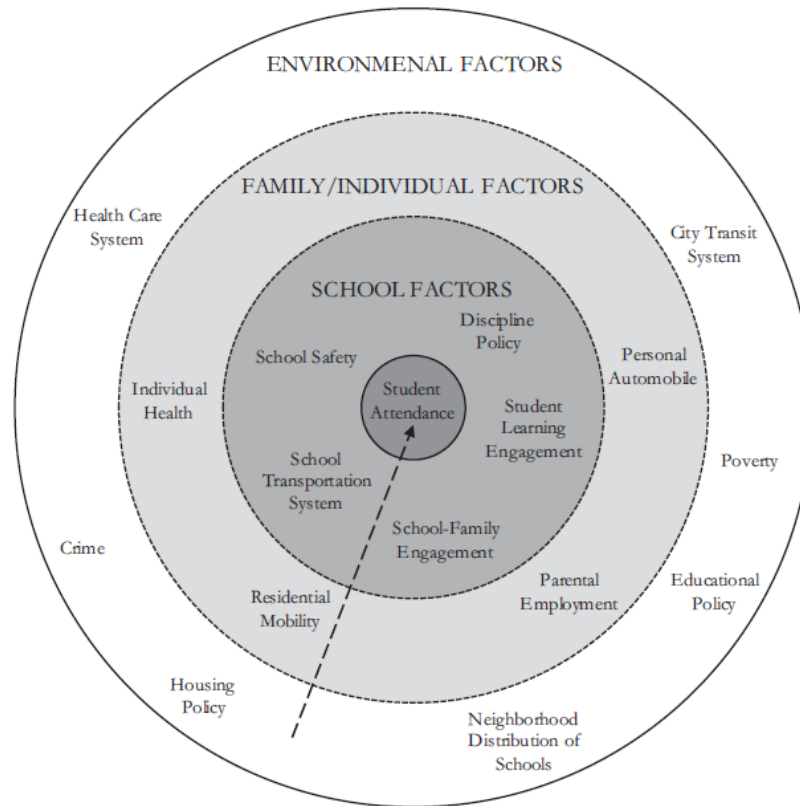


Figure 1. Conceptual Framework of Factors Influencing Chronic Absenteeism. This Figure Depicts The Direct and Indirect Relationships Between Examples of Environmental, Family/Individual, And School Factors That May Affect The Likelihood of a Student Attending School on a Regular Basis.

JOURNAL OF EDUCATION FOR STUDENTS PLACED AT RISK (JESPAR)
2018, VOL. 23, NOS. 1-2, 153-169
<https://doi.org/10.1080/10824669.2018.1434656>

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School Organizational Effectiveness and Chronic Absenteeism: Implications for Accountability

Sarah Winchell Lenhoff and Ben Pogodzinski

Wayne State University, College of Education

ABSTRACT

Chronic absenteeism in K-12 schools is strongly associated with critical educational outcomes such as student achievement and graduation. Yet, the causes of chronic absenteeism are complex, with environmental, family/individual, and school factors all affecting the likelihood of a student attending school regularly. This exploratory study examines whether school organizational effectiveness has the potential to moderate external influences on chronic absenteeism. Using school-level scores from the SEssentials surveys, we find that, in traditional public schools, schools that are organized for effectiveness have lower rates of chronic absenteeism, while controlling for student demographics and grade level. In particular, schools with higher scores for "involved families" have lower chronic absenteeism. While charter schools in Detroit have significantly lower rates of chronic absenteeism than traditional public schools, we did not find an association between organizational effectiveness and chronic absenteeism in charter schools. This suggests that student sorting by school type may produce variation in chronic absenteeism rates that is not moderated by school actions. These findings have important implications for practice and policy, as educators seek to reduce chronic absenteeism in response to pressures from high-stakes accountability systems.

A growing national interest in chronic absenteeism was solidified in federal law with the 2015 Every Student Succeeds Act (ESSA), which required that states report on chronic absenteeism and allowed states to use it as a non-academic indicator of school quality in their school accountability systems. Nearly all U.S. states have proposed using chronic absenteeism as a supplementary measure of school success in their new accountability plans (Jordan & Miller, 2017). Chronic absenteeism, defined by Attendance Works as missing 10% or more days of school for any reason ("Chronic absence," 2017), is a potentially useful measure of school performance, as it has a documented relationship with student achievement and can be improved with school-based decisions. However, to the extent that chronic absenteeism is related to factors outside of schools' control, accountability systems may inappropriately assign schools scores, sanctions, and resources that do not improve student outcomes. In addition, if certain types of schools have significantly different chronic absenteeism rates, despite similar student populations and school-based characteristics, accountability systems based on that measure may become delegitimized, as has occurred to test-based accountability systems under No Child Left

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The research presented here uses data supplied by Excellent Schools Detroit. We gratefully acknowledge the receipt of these data, and we wish to thank Walter Cook for his assistance. We also wish to thank Stacy Ehrlich and an anonymous reviewer for their helpful comments. Finally, we wish to thank the leadership of Detroit Public Schools Community District for their support of our research-practice partnership and encouragement of this study. Responsibility for any and all errors rests solely with the authors.
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Organizational Effectiveness and Chronic Absenteeism

Bullying Prevention as an Example

Dorothy L. Espelage

Ecological Theory: Preventing Youth Bullying, Aggression, and Victimization

Bronfenbrenner's (1977) classic ecological theory is used as a framework to review the documented risk and protective factors associated with involvement in school-related bullying during childhood and adolescence. Microsystems such as peers (socialization during adolescence), family (violence, lack of parental monitoring), community (exposure to violence), and schools (teacher attitudes, climate) contribute to the rates

of bullying perpetrated or experienced by youth. The interaction between components of the microsystem is referred to as the mesosystem, and offers insight into how contexts can exacerbate or buffer experiences for youth who are involved in bullying (e.g., family support can buffer impact of peer victimization). Recommendations are provided for teachers and other adults who work with youth.

IN HIS CLASSIC 1977 *American Psychologist* essay, Bronfenbrenner (1977) introduced the ecology of human development model in an attempt to push the field of developmental science forward. He articulated the importance of conducting experimental studies in naturally occurring environments (e.g., schools) along-

side controlled laboratory experiments. Over the years, Bronfenbrenner and colleagues offered several reformulations of the ecology model, including the bioecological model (Bronfenbrenner & Morris, 1998) and the introduction of chaos theory into this model (Bronfenbrenner & Evans, 2000). Numerous aggression scholars resonated with this model, recognizing that youth are situated in systems that have direct, indirect, and dynamic influences on development and behavior.

In the area of school bullying and peer victimization, this model has often been called a social-ecological model and focuses on understanding how individual characteristics of children interact with environmental contexts or systems to

Dorothy L. Espelage is the Edward William Gutsell and Jane Marr Gutsell Endowed Professor of Education at the University of Illinois, Urbana-Champaign.

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Child Adolesc Soc Work J
DOI 10.1007/s10560-015-0432-2



Theoretical Explanations for Bullying in School: How Ecological Processes Propagate Perpetration and Victimization

Caroline B. R. Evans¹ · Paul R. Smokowski²

© Springer Science+Business Media New York 2015

Abstract Bullying is a complex social dynamic that can best be understood by using various theoretical frameworks. The current article uses social capital theory, dominance theory, the theory of humiliation, and organizational culture theory to better understand the motivations behind bullying behavior, bullying's negative effects on victims, and how school culture and climate play a role in the prevalence of bullying. Specifically, the acquisition and maintenance of social capital and the desire for dominance are prime motivating factors for the initiation and continuation of bullying perpetration. The lack of social capital experienced by victims serves to maintain victims in their current role and prevents them from gaining social status. Further, the domination used by bullies to subjugate victims results in intense humiliation that has lasting negative effects on victims, such as anger and depression. The overall culture and climate of the school setting impacts the prevalence and severity of bullying behavior, highlighting the need for whole school bullying interventions. Implications for social work practice are discussed.

Bullying is one of the most pervasive issues affecting American youth and schools. According to the 2005–2006 national Health Behavior in School-Aged Children (HBSC) Survey, 34.4 % of U.S. students in Grades 6 through 10 reported bullying others in the past 30 days (Ha, 2015). However, rates of verbal bullying perpetration were higher (i.e., 37.4 %), while rates of relational bullying were slightly lower (i.e., 27.2 %; Wang, Linnotti, & Nansel, 2009). About 27.8 % of youth reported bullying victimization (School Crime Supplement; Robers, Kemp, & Truman, 2013), however rates of specific forms of victimization are higher (e.g., 41.0 % reported relational bullying victimization and 36.5 % reported verbal bullying victimization; Wang et al. 2009). Further, bullying is an international problem and in a sample of 202,056 youth from 40 countries, 26.9 % reported involvement in the bullying dynamic (Craig et al., 2009).

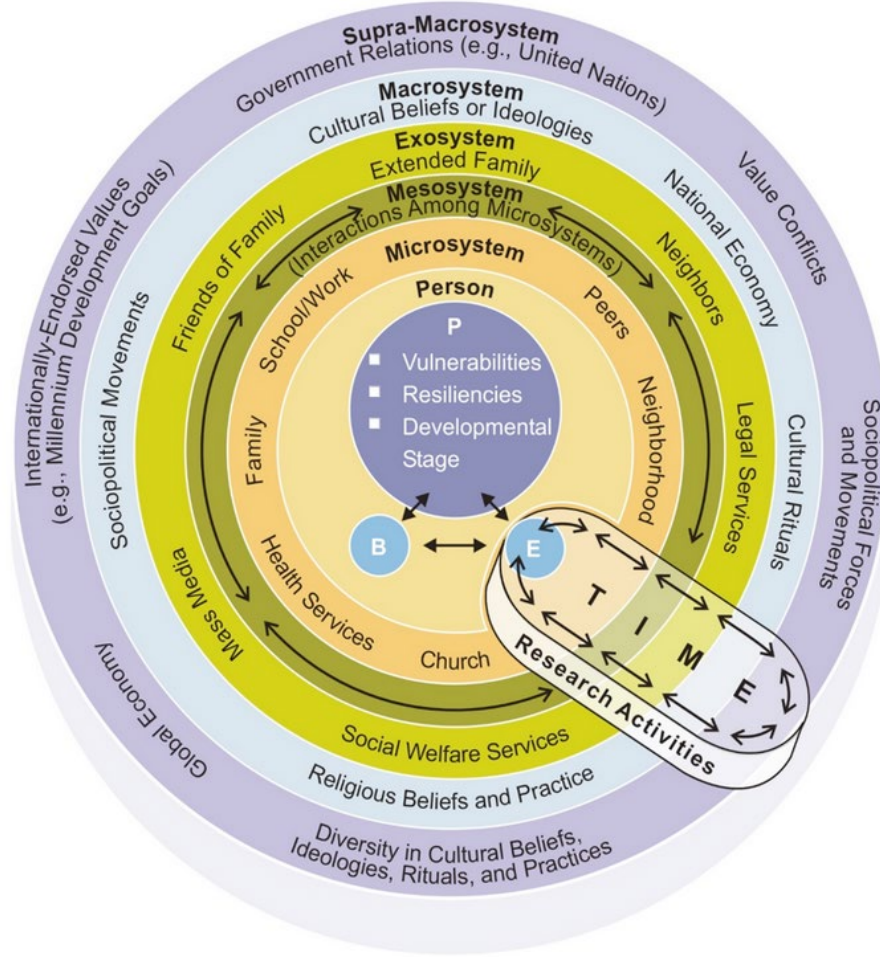
Involvement in the bullying dynamic puts youth at risk for a host of negative emotional, behavioral, social, and educational outcomes. As compared with bullies, victims,

To impact bullying behavior, the entire school organization—students, teachers, staff, administrators, parents, and the community—must be committed to the anti-bullying mission. Further, the school organization must be committed to changing the existing organizational culture of a school in order to achieve the anti-bullying mission.

Theoretical Explanation for Bullying

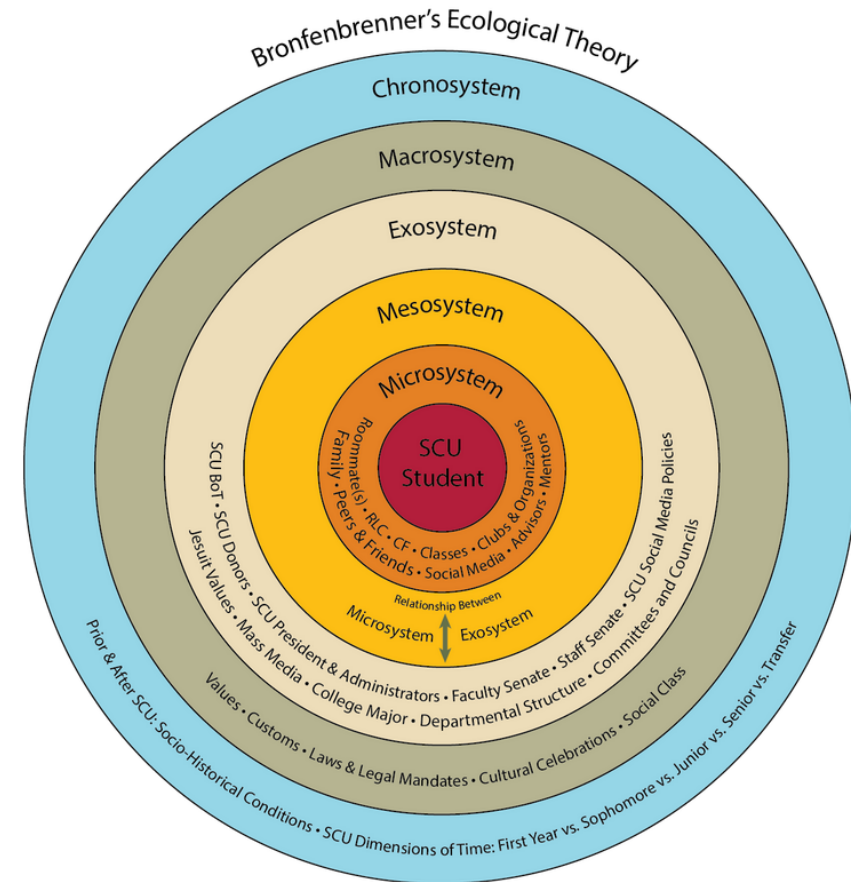
Ecological Theory: Preventing Bullying

P3 is Systems Work – We Must Change Our Approach



Ecological Systems Model

Bronfenbrenner's Ecological Theory Model



Santa Clara University's Application of Ecological Model

Embedding Data in Practice

- Use the ecosystem to help organize our data explorations.
- Rely on mapping and other strategies to continually increase your understanding of data systems.
 - This helps you be more intentional about data (efficiency, enhancements, utility, etc.).
- Use these strategies not only for organizing and managing your data, but also for data use.

Part III: Communication, Ethical Use, Preservation

Embedding Data in Practice

1. Making your data speak, conveying information.
 - Achieving clarity throughout (goals, approach, strategies, tools, reporting, etc.)
2. Ethical responsibilities and preserving data.
3. Equity

Be Clear about Your Approach – Communicate to Audience

The Six Core Principles of Improvement

1. Make the work problem-specific and user-centered.

It starts with a single question: “What specifically is the problem we are trying to solve?” It enlivens a co-development orientation: engage key participants early and often.

2. Variation in performance is the core problem to address.

The critical issue is not what works, but rather what works, for whom and under what set of conditions. Aim to advance efficacy reliably at scale.

3. See the system that produces the current outcomes.

It is hard to improve what you do not fully understand. Go and see [how local conditions shape work processes](#). Make your [hypotheses](#) for change public and clear.

4. We cannot improve at scale what we cannot measure.

Embed measures of key outcomes and processes to track if change is an improvement. We intervene in complex organizations. Anticipate unintended consequences and measure these too.

5. Anchor practice improvement in disciplined inquiry.

Engage rapid cycles of [Plan, Do, Study, Act \(PDSA\)](#) to learn fast, fail fast, and improve quickly. That failures may occur is not the problem; that we fail to learn from them is.

6. Accelerate improvements through networked communities.

Embrace the wisdom of crowds. We can accomplish more together than even the best of us can accomplish alone.



Carnegie Foundation
for the Advancement of Teaching

[Six Core Principles](#)

Building a Library of Tools, Strategies, and Resources



QUICK GUIDE: ECFE PROGRAM REQUIREMENTS

Assessing Your Early Childhood Family Education (ECFE) Program

The purpose of Early Childhood Family Education is to provide parenting education to support children's learning and development. The goal of this quick guide is to provide a brief overview of ECFE program requirements to help ECFE administrators ensure their program is in alignment with Minnesota statutes.

ECFE Program Requirements

ECFE programs are for children in the period of life from birth to kindergarten, for the parents and other relatives of these children, and for expectant parents. If funds are insufficient to provide programs for all children, ECFE should emphasize programming for children from birth to age three and encourage families to involve four- and five-year-old children in School Readiness programs, and other public and nonpublic early learning programs.

The table below contains program requirements listed in Minnesota Statutes, section 124D.13, subdivision 2. Administrators who supervise ECFE programs should be knowledgeable about all ECFE requirements contained in Minnesota law. It is important to note that the program requirements apply to your program as a whole, rather than to each class or service your program provides. For example, many programs provide parenting education classes just for adults (with this type of programming, they are not required to provide structured learning activities requiring interaction between children and their parents/relatives).

ECFE Program Requirements in Minnesota Statutes, section 124D.13, subdivision 2		
Does your ECFE program provide:		
1. Programming/services to educate parents and other relatives about the physical, cognitive, social, and emotional development of children and to enhance the skills of parents and other relatives in providing for their children's learning and development?	Y	N
2. Structured learning activities requiring interaction between children and their parents or relatives?	Y	N
3. Structured learning activities for children that promote children's development and positive interaction with peers, which are held while parents or relatives attend parent education classes?	Y	N
4. Information on related community resources?	Y	N
5. Information, materials, and activities that support the safety of children, including prevention of child abuse and neglect?	Y	N
6. A community needs assessment that identifies new and underserved populations, identifies child and family risk factors, particularly those that impact children's learning and development, and assesses family and parenting education needs in the community?	Y	N
7. Programming and services that are tailored to the needs of families and parents prioritized in the community needs assessment?	Y	N
8. Information about and, if needed, assist in making arrangements for an early childhood health and developmental screening when the child nears the third birthday?	Y	N
9. Learning experiences for children, parents, and other relatives that promote children's early literacy and, where practicable, their native language skills and activities for children that require substantial involvement of the children's parents or other relatives?	Y	N

November, 2019

Other ECFE Program Requirements

The table below contains additional program requirements that ECFE administrators should know. Again, administrators who supervise ECFE programs should be knowledgeable about all of the ECFE requirements contained in Minnesota law.

ECFE Program Requirements in Minnesota Statutes, section 124D.13		
Does your ECFE program provide or ensure that:		
1. Parenting/family education is an integral part of every early childhood family education program (e.g., classes, services, home visiting, etc.)?	Y	N
2. It encourages parents to be aware of practices that may affect equitable development of children? (Note: the Early Childhood Indicators of Progress are an essential resource)	Y	N
3. Home visiting revenue (as part of the ECFE program) is used to provide a parenting education component that is designed to reach isolated or at-risk families?	Y	N
4. It meets the Home Visiting program requirements listed in ECFE statutes (subdivision 4)? Among others, this includes encouraging families to make a transition from home visits to site-based parenting programs.	Y	N
5. It has a reasonable sliding fee scale and waives the fees for participants unable to pay?	Y	N
6. It describes strategies to coordinate and maximize public and private community resources and reduce duplication of services?	Y	N
7. It has an advisory council comprised of parents participating in the program, who represent the demographics of the community? (Note: The district must ensure, to the extent possible, that the council includes representation of families who are racially, culturally, linguistically, and economically diverse.)	Y	N
8. The advisory council reports to the school board and the community education advisory council? (Note: for some districts, an alternative council may be the best option – see subdivision 10).	Y	N
9. It employs appropriately licensed teachers?	Y	N
10. It is supervised by a licensed early childhood teacher or a licensed parent educator?	Y	N

ECFE Options and Suggestions

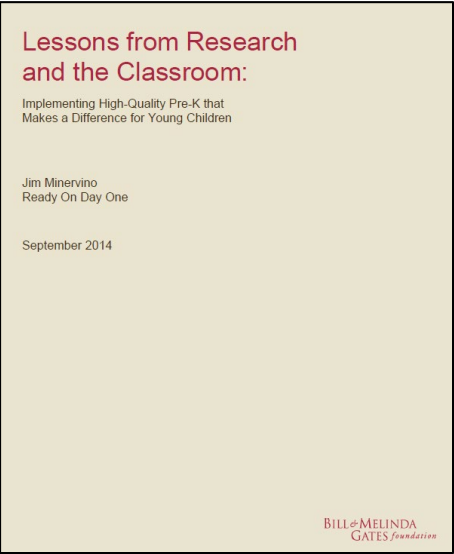
The ECFE statutes also contain suggestions and options for programming and services. The table below lists a few for your review. Consult the statutes for further information.

ECFE Program in Minnesota Statutes, section 124D.13		
Does your ECFE program provide:		
1. Parents of English learners with translated oral and written information to monitor the program's impact on their children's English language development, to know whether their children are progressing in their English and native language proficiency, and to actively engage with and support their children in developing their English and native language proficiency?	Y	N
2. Coordinated Adult Basic Education (ABE) and ECFE programming (e.g., family literacy)?	Y	N
3. A parenting education transition program? (Note: this is a key component of a PreK-3 rd Grade system.) See subdivision 15 for more information on how ECFE funds can be used to provide parenting education up to third grade.	Y	N

November, 2019

How would you approach ECFE program evaluation?

Communicate Goals and Processes



15 Essential Elements For High Quality PreK Systems

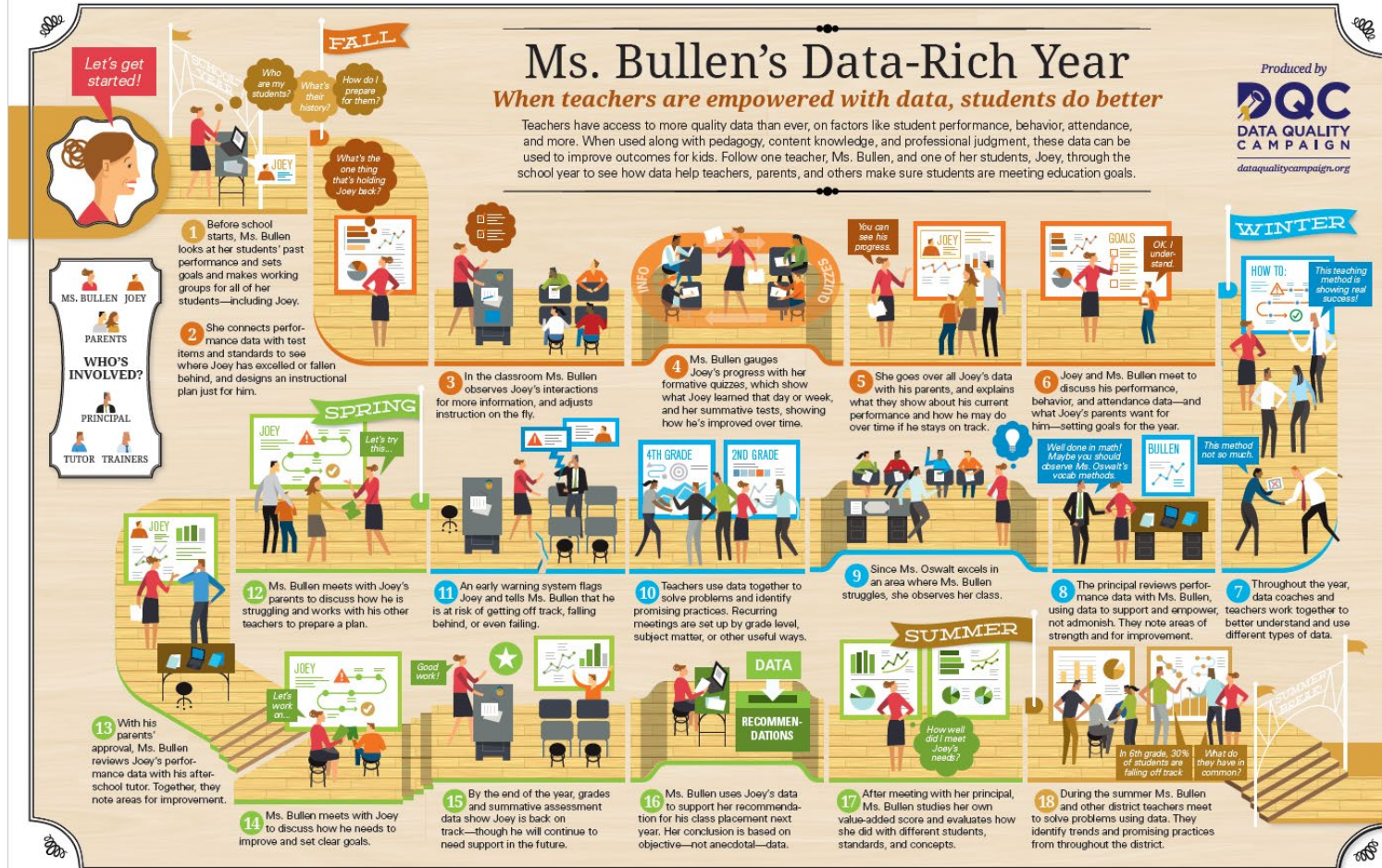
Enabling Environment		Rigorous, Articulated Early Learning Policies								Strong Program Practices				
Political Will	Strong Leaders	BA + comp	Class size	Two Adults	Hours/ Dosage	EL Standards	Effective Curriculum	Special Ed	DLL support	High Quality Teaching	Professional Development	Child Assessments	Data Driven	Integrated System

Implementing High-Quality Pre-K

For example:

“We are enhancing School Readiness program quality by using the 15 Essential Elements as a guide.”

See the System - Visualizing Data in the Classroom



Ms. Bullen's Data-Rich Year

Reporting Your Data – Local Use



2021-22 ECCE Community Needs Assessment

Key Findings from Early Childhood Family Education (ECCE) Programs

Fall 2022

I. Identifying New and Underserved Populations – Key Findings

This data is the first step in comparing who resides in your community with who your program serves. This data can also help you determine if there are new populations in your community. While it is up to districts to determine how to define new and underserved populations (e.g., using a local definition versus a federal definition), most programs have considered new families to be those who are new to the community or those with new children (e.g., newborn, foster child, etc.). For underserved populations, most districts have compared those who participate in ECCE, or are served by ECCE, with the demographics of the community to determine if they are serving a representative sample of the population, and to ensure they are serving families who would most benefit from ECCE. As a next step in analysis, programs should also consult [federal definitions of underserved populations](#) to help identify populations in their communities, and to evaluate how their needs are being met (or not being met).

To see the strategies/resources districts used to identify new and underserved populations, refer to the data tables in the addendum.

Results

Since the responses were received in narrative format, coding was performed. All 324 districts responded to this question and 180 responses were analyzed. For the 144 responses not coded, the most common reason was that districts described their processes for identifying new and underserved population rather than their findings. The table below shows the most common responses. Rate is the percentage of times the category element was mentioned by districts in their narrative response to this question.

Table 1: New and Underserved Populations

Category	Rate	Examples
Child Care	9.9%	Child care is a barrier to attending ECCE. Some cite the need for sibling care, including school-age.
Family Variables	23.5%	Family variables, like family structure, tied for the second most commented element. This includes things like single parent families, blended families, grandparents raising children, and foster parents. Also included are variables like health (e.g. physical, mental) and gender (e.g. fathers do not participate at the same rate as mothers). One district mentioned home-schooling families were underserved.
Financial	25.9%	The most common element. Includes income and lack of access to resources.
Geography	8.0%	Includes both isolated families and parts of the school district. Some programs identified areas of the district (e.g. certain neighborhoods, cities, or areas far from a site) that had lower participation rates.

Part III: Communication, Ethical Use, Preservation

Embedding Data in Practice

1. Making your data speak, conveying information.
 - Achieving clarity throughout (goals, approach, strategies, tools, reporting, etc.)
2. Ethical responsibilities and preserving data.
3. Equity

Storing and Preserving Data

What sensitive or private data do you collect and possess?

- Student/participant data
- Financial data (parent)
- Family data
- Data retention policies

Discussion #2: Data Practices & Policies



- What sensitive or private data do you collect?
- What permissions do you need to have in order to collect or access private data?
- How do you store/maintain private data?
- What are your districts data protection and retention policies?

Part III: Communication, Ethical Use, Preservation

Embedding Data in Practice

1. Making your data speak, conveying information.
 - Achieving clarity throughout (goals, approach, strategies, tools, reporting, etc.)
2. Ethical responsibilities and preserving data.
3. Equity

Strategies for Centering Equity

Five Strategies for Centering Equity

1. Ground the work in data and context, and target solutions.
2. Focus on systems change, in addition to programs and services.
3. Shift power within the collaborative.
4. Listen to and act with community.
5. Build equity leadership and accountability.

Centering Equity in Collective Impact

By John Kania, Junious Williams, Paul Schmitz, Sheri Brady, Mark Kramer & Jennifer Splansky Juster

Illustration by Julia Schwarz

A decade of applying the collective impact approach to address social problems has taught us that equity is central to the work.

In 2011, two of us, John Kania and Mark Kramer, published an article in *Stanford Social Innovation Review* entitled “Collective Impact.” It quickly became the most downloaded article in the magazine’s history. To date, it has garnered more than one million downloads and 2,400 academic citations. More important, it encouraged many thousands of people around the world to apply the collective impact approach to a broad range of social and environmental problems. Independent evaluations have confirmed that the approach can contribute to large-scale impact,¹ and a global field of collective impact practitioners has emerged. Their efforts have immeasurably deepened our understanding of the many factors that can foster or stymie collective impact’s success.

In the original article, we defined collective impact as “the commitment of a group of important actors from different sectors to a common agenda for solving a specific social problem.” We further identified a structured process with five essential conditions that distinguish collective impact from other types of collaboration:

1. A *common agenda*, shaped by collectively defining the problem and creating a shared vision to solve it;
2. *Shared measurement*, based on an agreement among all participants to track and share progress in the same way, which allows for continuous learning, improvement, and accountability;
3. *Mutually reinforcing activities*, integrating the participants’ many different activities to maximize the end result;
4. *Continuous communication*, which helps to build trust and forge new relationships;
5. A “*backbone*” team, dedicated to aligning and coordinating the work of the group.

We also noted that these core elements would need to be adapted to the specific circumstances of each initiative.

Over subsequent years, many practitioners and collective impact networks² have refined and expanded on these five original conditions in helpful ways.³ In 2016, together with the Collective Impact Forum—an initiative of FSG and the Aspen Institute Forum for Community Solutions to support practitioners of collective impact—we published eight additional principles of practice for implementing collective impact, which, importantly, included engaging community members and placing a priority on equity.

Reflecting on the past 10 years, we have observed through our own personal and professional journeys and the experience of others that the single greatest reason why collective impact efforts fall short is a failure to center equity. Thus, we believe that we must redefine collective impact to include centering equity as a prerequisite. In this vein, we propose a revised definition of the concept: *Collective impact is a network of community members, organizations, and institutions that advance equity by learning together, aligning, and integrating their actions to achieve population and systems-level change.* To center equity, collective impact efforts must commit to a set of actions that we will explore in this article.

What Is Equity?

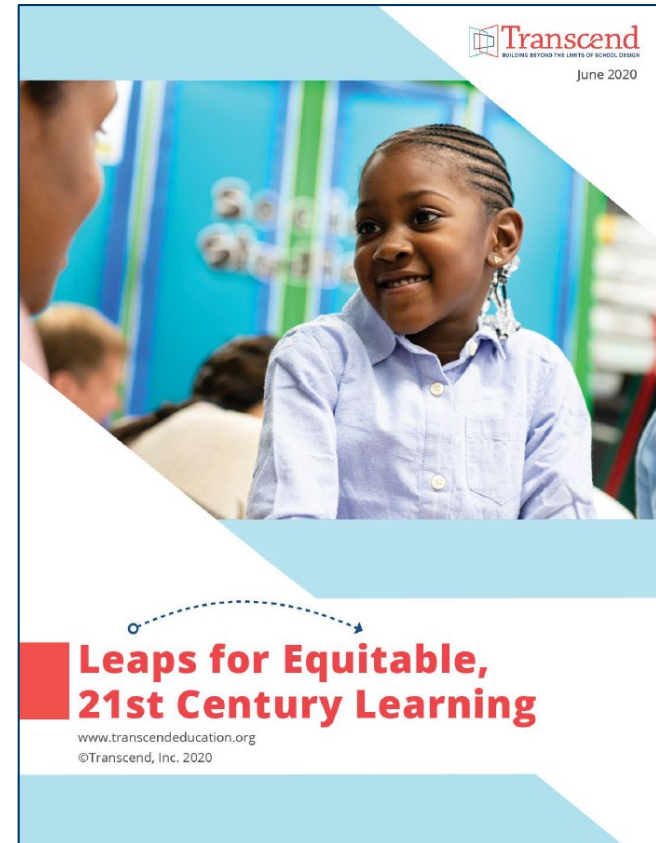
In committing to centering equity, we first confront the problem of inconsistent understandings of what equity means. Among many alternative definitions, each with its own virtues, the one we have found most helpful comes from the research and advocacy organization Urban Strategies Council: *Equity is fairness and justice achieved through systematically assessing disparities in opportuni-*

Centering Equity

Establishing an Equity Lens



[Equity Systems Indicators](#)



[Leaps for Equitable Learning](#)

Part IV: Data Reporting

Data Reporting Requirements





1. Data Submissions/State Reporting

Some Program Data Submissions Due to MDE

• 0 to 4 Census	December 1, 2023
• ECFE Needs Assessment	July 15, 2023
• EE Enrollment	July 15, 2023
• MCCC – EE	July 26, 2023
• MDE-ORG	On-going
• EC Outcomes	July 31, 2023
• STAR (PELSB)	Mid-November

MDE Website: Data Submissions

m DEPARTMENT OF EDUCATION

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MDE > [Districts, Schools and Educators](#) > [Data Submissions](#)

Data Submissions

The Minnesota Department of Education (MDE) collects data on a variety of topics. Select the data reporting topic you are interested in to open that page. You will find an overview of the data collection process for that topic, along with user guides or help documents, if applicable.

A link to the data collection system is also provided on the description page. Most systems require a login and password. Contact information for each system can be found on the lower left side of each page.

[Minnesota District and Charter Data Reporting Calendar - 7/27/22](#)
List of reporting and data entry periods of importance to districts and schools from July 1, 2022 – June 30, 2023, including a brief description of each.

- + **Education Identity and Access Management (EDIAM) Security System**
- + **Creating a New EDIAM User Account**
- + **Accessing Applications From Your EDIAM User Profile**
- + **Identified Official with Authority (IOwA) Setup Process**


The Minnesota Department of Education Collects Data on a Variety of Topics





[Sign up for email alerts](#)

[Data Submissions page](#)

Data Reporting Calendar

0-4 Census



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► 0-4 Census Data Reporting

Access to Career Technical Education for Students with a Disability (ACTE-SPED)

ADM Web Estimates (ADMWE)

Assessment Secure Reports

Assurance of Compliance and Mandated Reporting

Athletics Data Reporting

[MDE](#) > [Districts, Schools and Educators](#) > [Data Submissions](#) > [0-4 Census Data Reporting](#)

Search


Search

0-4 Census Data Reporting

The 0-4 Census Online Data Submission System is a web-based interactive data collection for districts to report the number of resident children ages 0-4. This data is necessary in order to calculate funding for the School Readiness Program (Minn. Stat. 124D.16) and the Early Childhood Family Education Program (Minn. Stat. 124D.135).

Districts are required to submit the number of children ages 0-4 as of September 1, of each year, who are residing in their district as of October 1. The deadline for reporting these counts is the end of the day on November 30.

> [Enter the 0-4 Census Online Data Submission System](#)



0-4 Census Reporting

- The 0-4 Census Online Data Submission System is a web-based interactive data collection for districts to report the number of resident children ages 0-4. This data is necessary in order to calculate funding for School Readiness and ECFE.
- Districts are required to submit the number of children ages 0-4 as of September 1, of each year, who are residing in their district as of October 1. The deadline for reporting these counts is December 1 of each year.

Should be approached with at least two goals in mind.

1. Submit 0-4 census to meet statutory requirement.
2. Maintain census database for programming and services purposes.
 - What are some ways in which census data may impact programming?

0-4 Census Reporting – Calculation Methods

Methods for calculating your 0-4 census.


1. Administrative Records





2. Kindergarten Averaging

- Objective here is to count all kindergarteners who reside in your district boundaries.
- Not just the number of kindergarteners who are enrolled in your district kindergarten.
- Charter schools, private or non-public, home school
- Consider open enrollment (add residents open enrolled in other districts, subtract non-residents open enrolled in your district)

3. Hire an Expert

Ed-Fi



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► Data Submissions

[0-4 Census Data Reporting](#)

[Access to Career Technical Education for Students with a Disability \(ACTE-SPED\)](#)

[ADM Web Estimates \(ADMWE\)](#)

[Assessment Secure Reports](#)

[Assurance of Compliance and Mandated Reporting](#)

[Athletics Data Reporting](#)

[Career and Technical Education Levy Web-Based Reporting System](#)

[Carl Perkins](#)

[CLICS Program Administration](#)

[Compulsory Instruction Compliance Data Reporting](#)

[Continuing Education Clock Hour Reporting](#)

[Disciplinary Incident Reporting System](#)

[District and School Site Verification](#)

[Early Childhood Education Outcomes](#)

[MDE](#) > [Districts, Schools and Educators](#) > [Data Submissions](#) > [Ed-Fi](#)

Ed-Fi

Ed-Fi data submission involves directly syncing district data to MDE's Ed-Fi servers. The steps to complete this process are student information system (SIS) vendor specific, and set-up guidance for syncing data should be provided by the district or charter's vendor. Data collections included in the Ed-Fi data submission include:

- Ancestry Ethnic Origin
- Digital Equity
- Early Education Enrollment
- MARSS

Additional student-level data is also collected in Ed-Fi data submissions, and this information is outlined in the available documentation.

The Ed-Fi Updates Newsletter is a regular GovDelivery bulletin covering current Ed-Fi topics. To subscribe to the newsletter, please sign into or create a GovDelivery account.

[Ed-Fi Updates Newsletter subscription page](#)

All Ed-Fi related documentation can be found on the Ed-Fi documentation search page.

[ED-FI DOCUMENTATION PAGE](#)

District Resources

To access the Ed-Fi secure applications, please log into the Education Identity and Access Management (EDIAM) portal:

[LOG IN TO EDIAM](#)

For documentation of required data submissions, please reference the [District Submission Reporting Calendar](#).

For Ed-Fi events, please [reference the MDE Calendar](#), choosing Ed-Fi as the sponsor.

For questions regarding your Ed-Fi data, please reach out to the [Ed-Fi district support team](#) by email (ed-fi.mde@state.mn.us).

Ed-Fi Materials



Open Application Menu

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Ed-Fi Documentation

To locate documentation for a specific audience, data collection, or topic, use the filters in the left-hand column. [To find Ed-Fi events, please visit MDE's public calendar.](#)

Audience

All

Data Collection

All

Topic


All

Document Type





Search:

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Document Title	Audience	Data Collection	Topic	Document Type
Data Collections: Early Education Enrollment	District	Early Education	Training Video	How-to



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Data Submissions

- 0-4 Census Data Reporting
- Access to Career Technical Education for Students with a Disability (ACTE-SPED)
- ADM Web Estimates (ADMWE)
- Assessment Secure Reports
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List of reporting and data entry periods of importance to districts and schools from July 1, 2022 – June 30, 2023, including a brief description of each.



The Minnesota Department of Education Collects Data on a Variety of Topics

Education Identity and Access Management (EDIAM) Security System

The EDIAM Security system manages user accounts and authorization to secure website systems for the Minnesota Department of Education (MDE), Professional Educator Licensing and Standards Board (PELSB), and P20W (SLEDs and ECLDS).

> [Enter Education Identity & Access Management \(EDIAM\)](#)

ECS: Early Childhood Education Outcomes

Who completes it?

- Screening program coordinators obtain [EDIAM access](#) to complete report as a “screening user” or “assessment/screening user.” Superintendents sign report as a “screening approver.”

What data and where?

- [Early Childhood Education Outcomes](#) (ECEO) screening data for districts and 10 charters.

When?

- Report between May 1 through July 31, for the previous screening year.

Why?

- MN Rules 3530.3200 requires the screening report for final aid payment.
- Accountability and helps districts/state plan education and health programs (Statutes 121A.16).
- Program improvement.

Where to learn more?

- [MDE district screening](#) (under ‘reporting requirements’) [MDE screening professional learning](#) short video on access to and completion of annual report.

Program Specific: VPK/SRP General Information

What data systems?

- Minnesota Automated Reporting Student System (MARSS)
- [Average Daily Membership Web Estimates \(ADMWE\) Enrollment Projections](#)
- STAR
- KEP Assessment Data
- Annual Program Survey

Why?

- To provide data that: generates program revenue including general education and levy; meet statutory program and measuring impact requirements (124D.151); and helps us better understand program implementation.

Where to learn more?

- [Voluntary Prekindergarten and School Readiness Plus Implementation Checklist](#)
- **QUESTIONS:** Reach out to MDE.VPK@state.mn.us

Early Learning Scholarship Administration System (ELSA)

What data? Enter Pathway II payment requests in ELSA through the end of school year.

- Unless a 3-year-old was awarded mid-year and is returning, all children should end with an award balance of \$0 and 100% of allocation should be expended
- Note: There is no Pathway II survey/report to complete for the end of the year.

When? Within 30 days of the end of your program.

Why? Your program will not receive payments without requesting in ELSA.

Where to learn more?

- View the Pathway II April Update sent [DATE], including link to register for the [Pathway II Closing Out FY23 and Prepping for FY24 Webinar](#) on May 3.
- Visit the [MDE Pathway II webpage](#) or email MDE.PathwayII@state.mn.us.

ECFE Community Needs Assessment

REQUIREMENTS (in Minnesota Statutes, section 124D.13)

- Must submit annual program data that demonstrates the program response to the community needs assessment to MDE by July 15.
- Conduct a community needs assessment that:
 - identifies new and underserved populations,
 - identifies child and family risk factors, particularly those that impact children's learning and development, and
 - assesses family and parenting education needs in the community;
- Provide programming and services that are tailored to the needs of families and parents prioritized in the community needs assessment

ECFE Needs Assessment page on ECAdmin.wikidot.com

Early Childhood Program Administration

Resources, Training, Best Practices, Sharing

EC EducationECLKCMDEMHSAMNAFEEPARENT EducationPREK-3

ECFE Community Needs Assessment

Introduction

FAQ

Definitions

Documents

Minnesota Statutes

Presentations

Required Components

State Reporting

Work Group

Resources for Planning, Conducting and Reporting Your Needs Assessment

2021-22

District-to-District Sharing

ECFE Program Enhancement

ECFE Quality Indicators

Resources & Tools

ESSA - Every Student Succeeds Act

Strategies for Conducting Your Needs Assessment

Introduction

COVID-19

Identifying New and Underserved Populations

Identifying Child and Family Risk Factors

Assessing Family and Parenting Education Needs

Tailored Programming and Services

Results

Introduction

Sample Reporting 2014-15

Analysis of 2014-15 Submissions

Sample Reporting 2017-18

2018-19 Innovative Programming

2019-20 Needs Identified and Response to COVID

2022-23 CNA Reporting through Alchemer



ECFE Community Needs Assessment 2022-23

2022-23 ECFE Community Needs Assessment

The questions below constitute your 2022-23 ECFE community needs assessment reporting requirements related to Minnesota Statutes, section 124D.13, subdivision 13.

Please note that there are **required and optional** questions. Questions 1-8 are **required**. Please also consider completing the optional questions, as these provide valuable information that will help MDE provide better support and guidance to the field.

If you have any questions about the needs assessment, please email Mike Brown at Mike.P.Brown@state.mn.us. The [needs assessment page on the Early Childhood Administration website](#) also contains valuable information and resources.

Thank you!

1. Please enter your district's information for the ECFE Annual Report - community needs assessment.

District Contact Information

Responder Name:

Responder Email Address:

Official District Name: *

District Number (4 digit): *

ECFE Coordinator/Administrator:

EC Programs Administrator (if different than above)

District Colleagues to Support Reporting to MDE

Early Education Enrollment

- * MARSS Coordinators
- * Elementary and preschool administrative staff

Early Childhood Outcomes

- * ECSE Coordinator

EDIAM

- * Superintendent

MARSS (ECSE, ECS, VPK/SRP)

- * MARSS Coordinator
- * Those they've trained



MDE ORG

- * Site Verification Coordinator

STAR

- * Human Resources

UFARS

- * Business Manager

Minnesota Common Course Catalogue

- * K-12 Reporter

District Colleagues to Help with Program Implementation and Local Policy Development

Bilingual Family Engagement Liaison

Business Manager

Community Education Director

Digital Equity

ECSE Coordinator

Early Childhood Screening Coordinator

English Learner Services

Homeless & Highly Mobile Liaison



Migrant Liaison

School Nurse & Therapist

Teaching & Learning

Technology Coordinator

Transportation Coordinator

VPK Coordinator

Data and Reporting





Thank you!

Mike Brown, *mike.p.brown@state.mn.us*

Avisia Whiteman, *avisia.whiteman@state.mn.us*