

Juvenile Justice Policy and Data Board

Data Subcommittee

Virtual Meeting
September 8, 2022
10:30m – 12:00pm

Agenda

1. Welcome and Introductions
2. Approval of July Meeting Minutes
3. Guest presentations by Joe Ryan, Director of the Child and Adolescent Data Lab at Michigan University and Kristine Piescher, Kristine Piescher Director of Research and Evaluation, Center for Advanced Studies in Child Welfare at the University of Minnesota on administrative data centers

Data Partnerships for Improved Outcomes

:rationale and lessons learned in Michigan

Joe Ryan, MSW, PH.D
Director
Professor
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ABOUT THE CHILD & ADOLESCENT DATA LAB

The **Child and Adolescent Data Lab** of the University of Michigan's School of Social Work is an applied research center focused on **using a data driven approach to inform policy and practice decisions in child welfare and juvenile justice.**

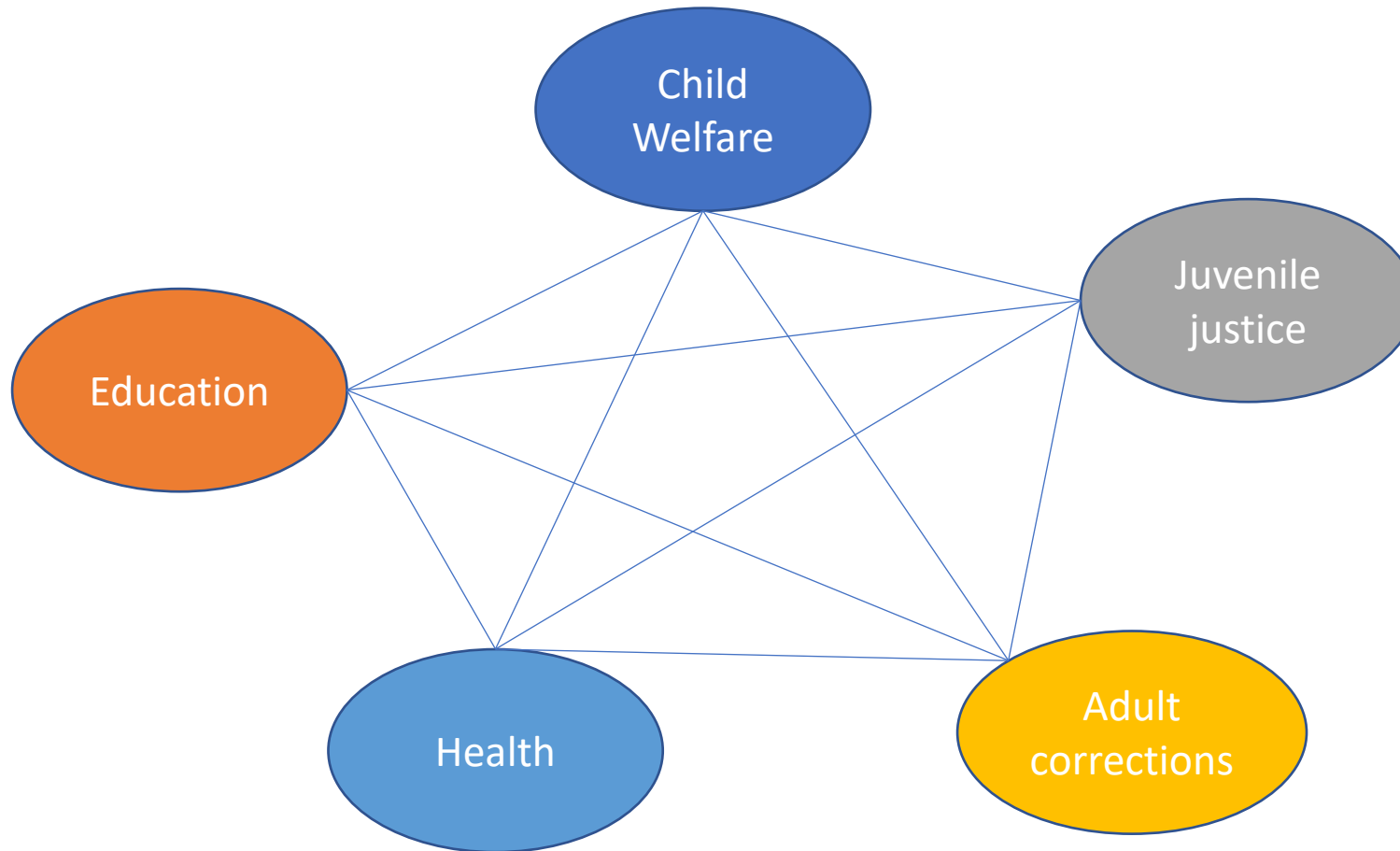
Why do we need data partnerships and data centers?

- MICHIGAN – leadership had many unanswered questions
 - How many youth were arrested last year?
 - Of those arrested, how many were likely to return to court for a new offense?
 - Which youth were at greatest risk of returning to court?
 - What helps explain why some youth continued to engage in delinquency?
 - Did we miss early warning signs?
 - Was the state involved with these youth/families before?
 - What is the probability that JJ youth will touch the adult correctional system?
 - How are state involved youth doing in school?
 - How do children and families move through allied service systems? Do disparities exist in service decision making? If so, how can those be identified, understood and resolved?
 - Can we estimate the impact of policy decisions in advance?

Silos are the preferred unit for storage.....in agriculture



Harnessing the Power of These Data Require Bridges/Links



Child Maltreatment, Juvenile Justice and Education

As a result of linking data from separate systems:

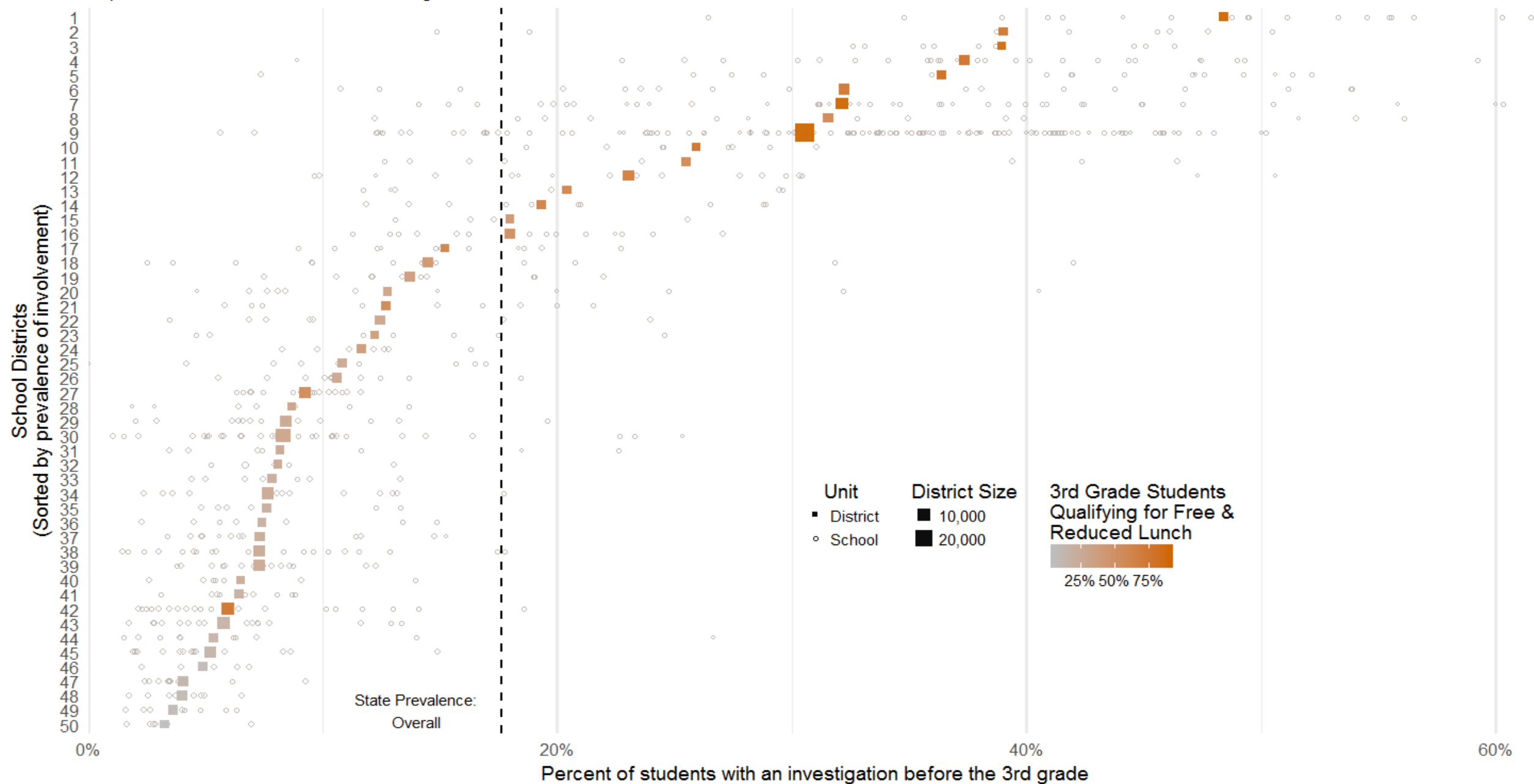
- Scope of CPS involvement
- Variation
- Relationship with early educational outcomes
- High School graduation rates for child welfare and justice involved youth
- Implications for State policy



Available online, *Child Maltreatment*, [10.1177/1077559518786815](https://doi.org/10.1177/1077559518786815)

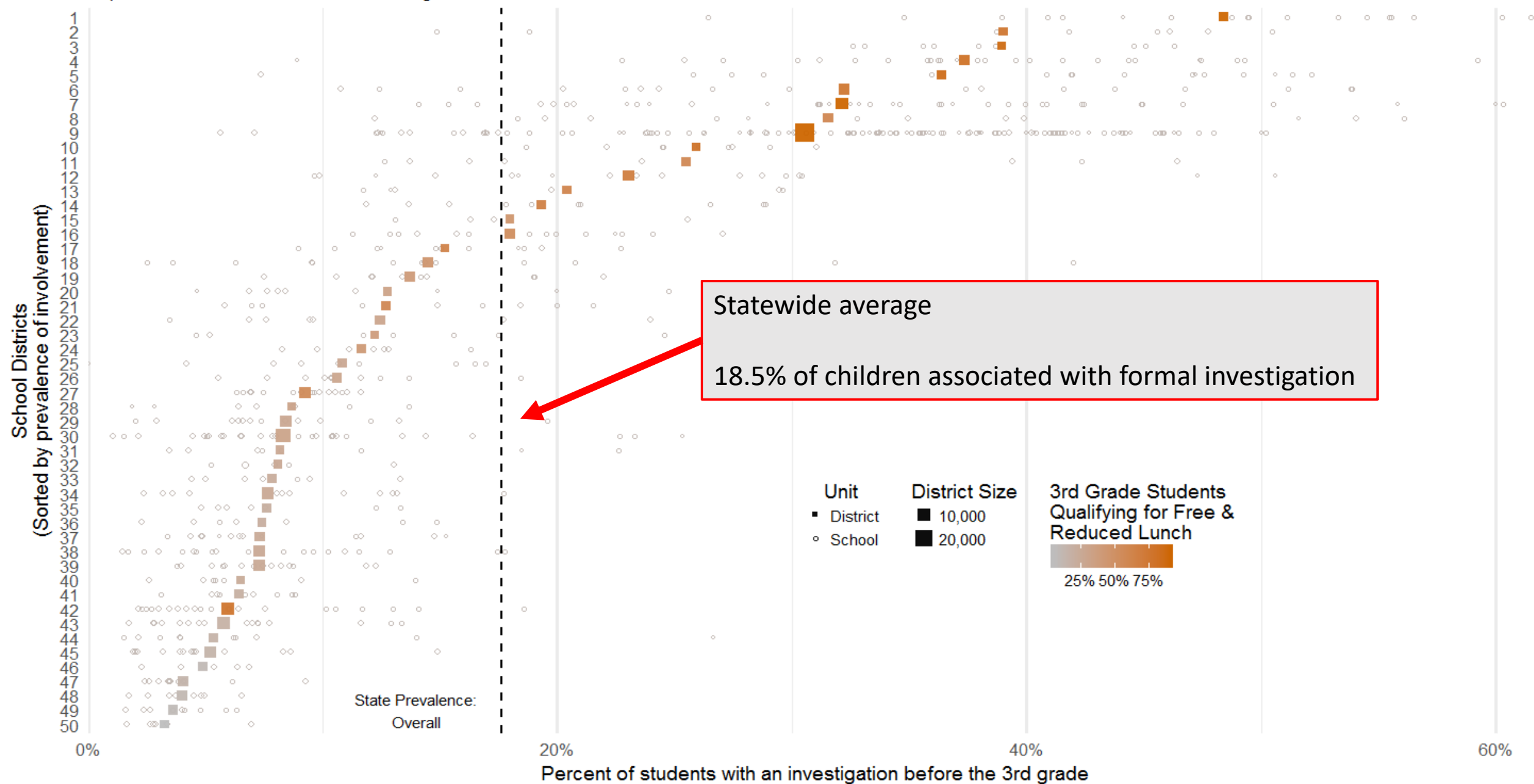
Percent of students with an investigation of maltreatment by the 3rd grade

Representative districts chosen from the largest in the state



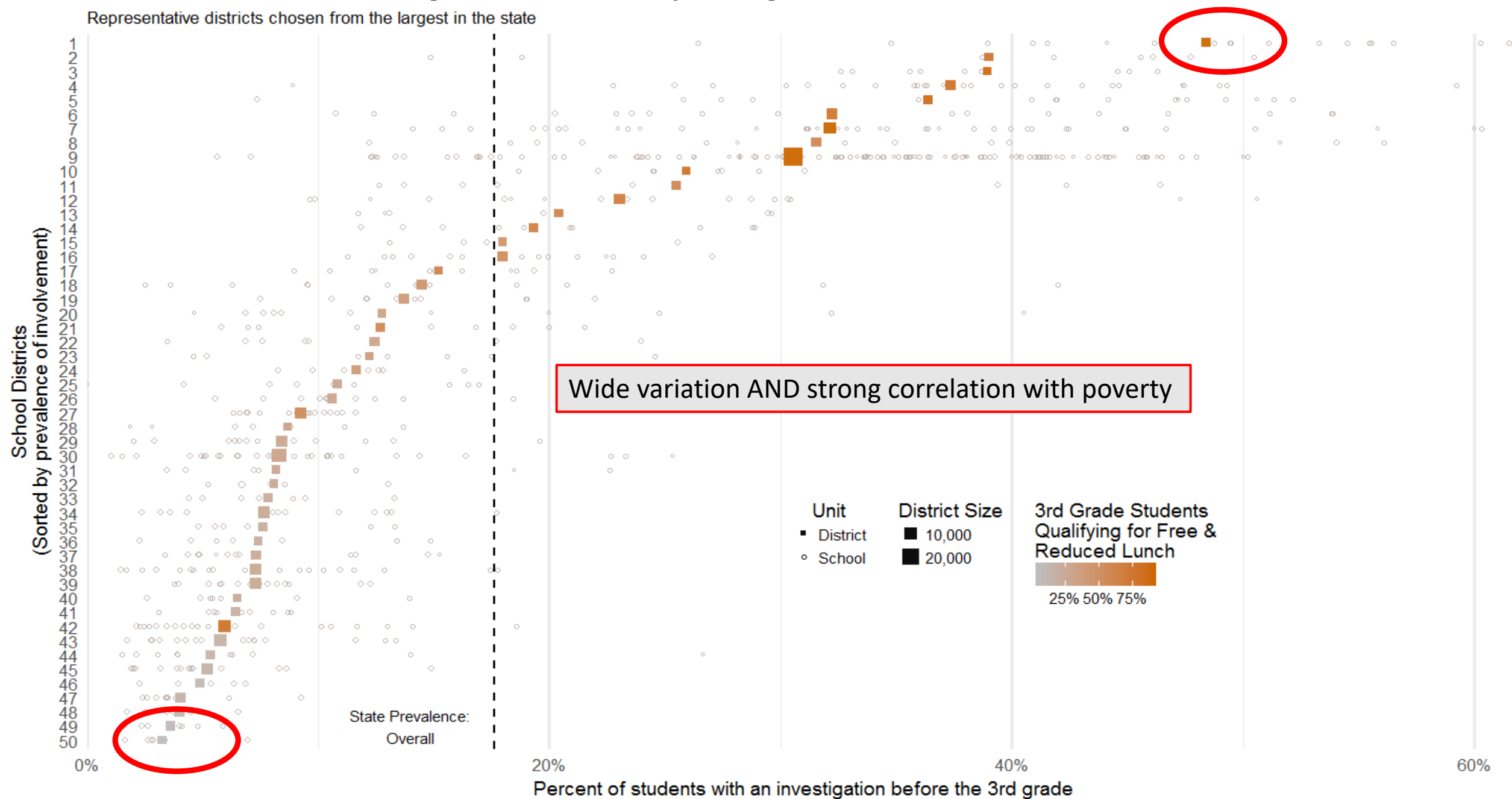
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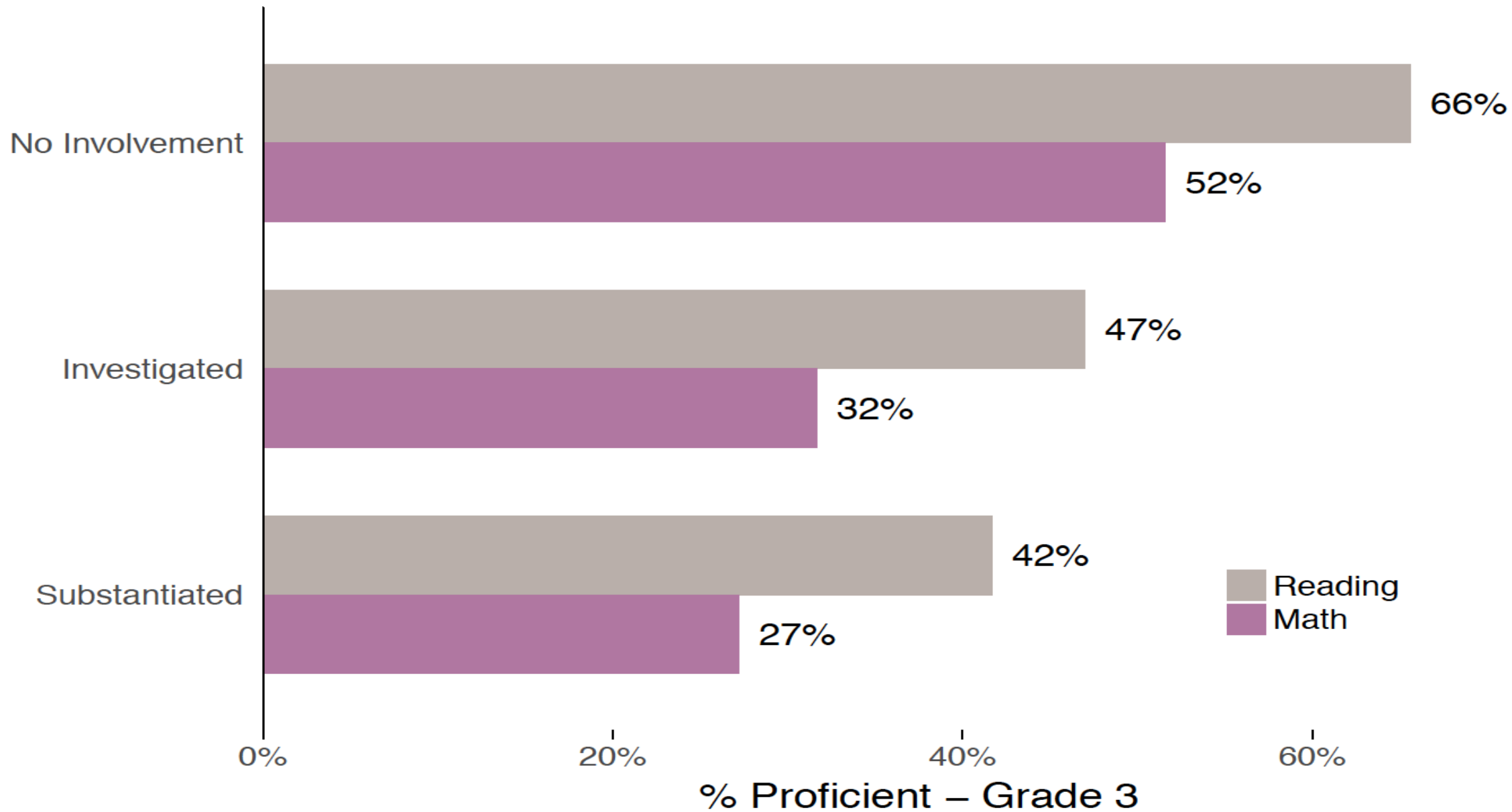


Percent of students with an investigation of maltreatment by the 3rd grade

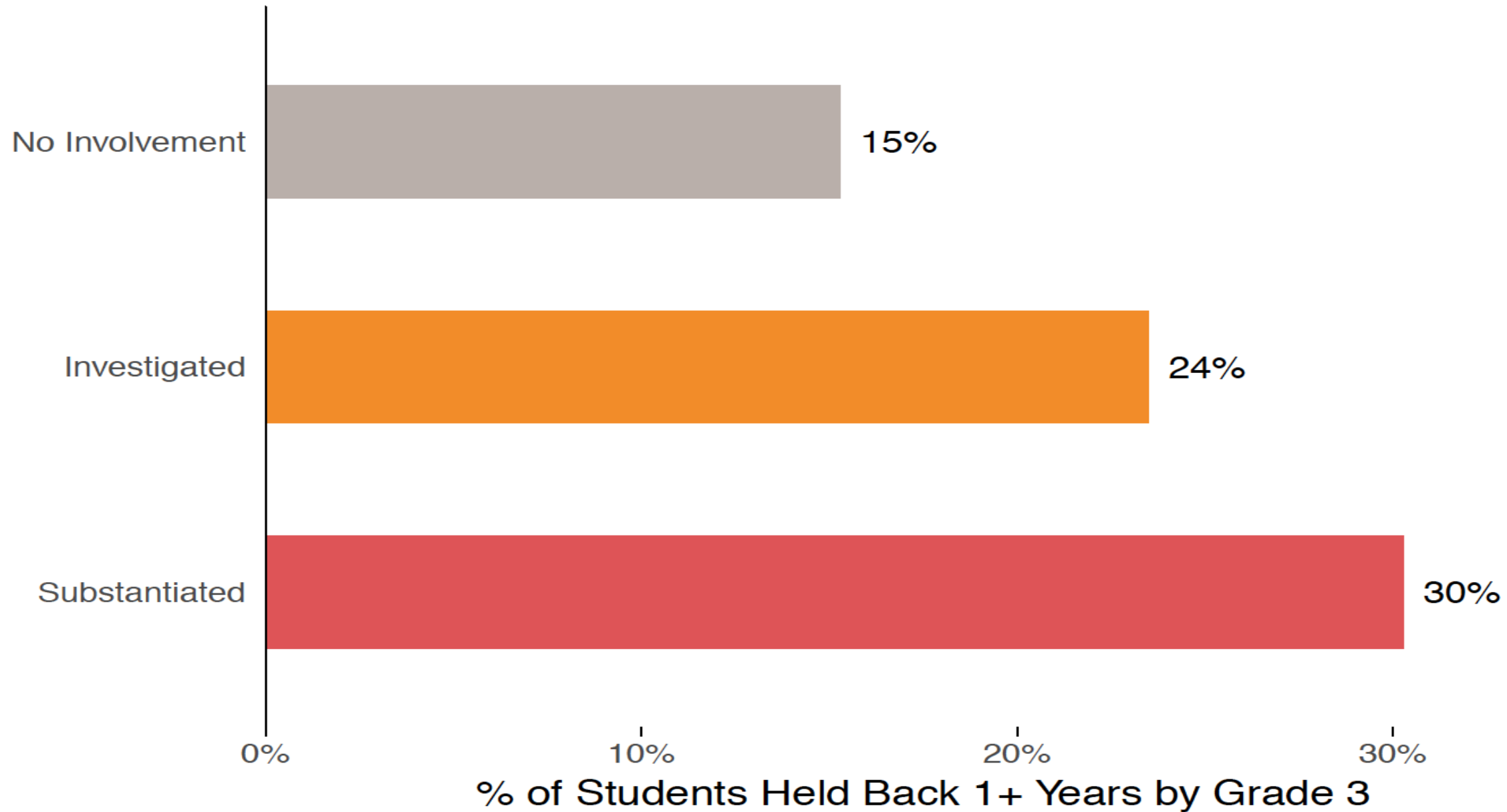
Representative districts chosen from the largest in the state



Math and Reading Proficiency at Grade 3



Grade Retention by Grade 3



Findings and Implications

- Involvement with child protection is not a rare event
- Impact in critical areas observed early in life
- Does Michigan policy on 3rd grade reading proficiency make sense?
- Disproportionally hits poor students, African American students, students involved with CPS
- Is repeating a grade really the best strategy for increasing reading proficiency?
- How can DHHS improve educational outcomes for victims of maltreatment?

How About High School Graduation?

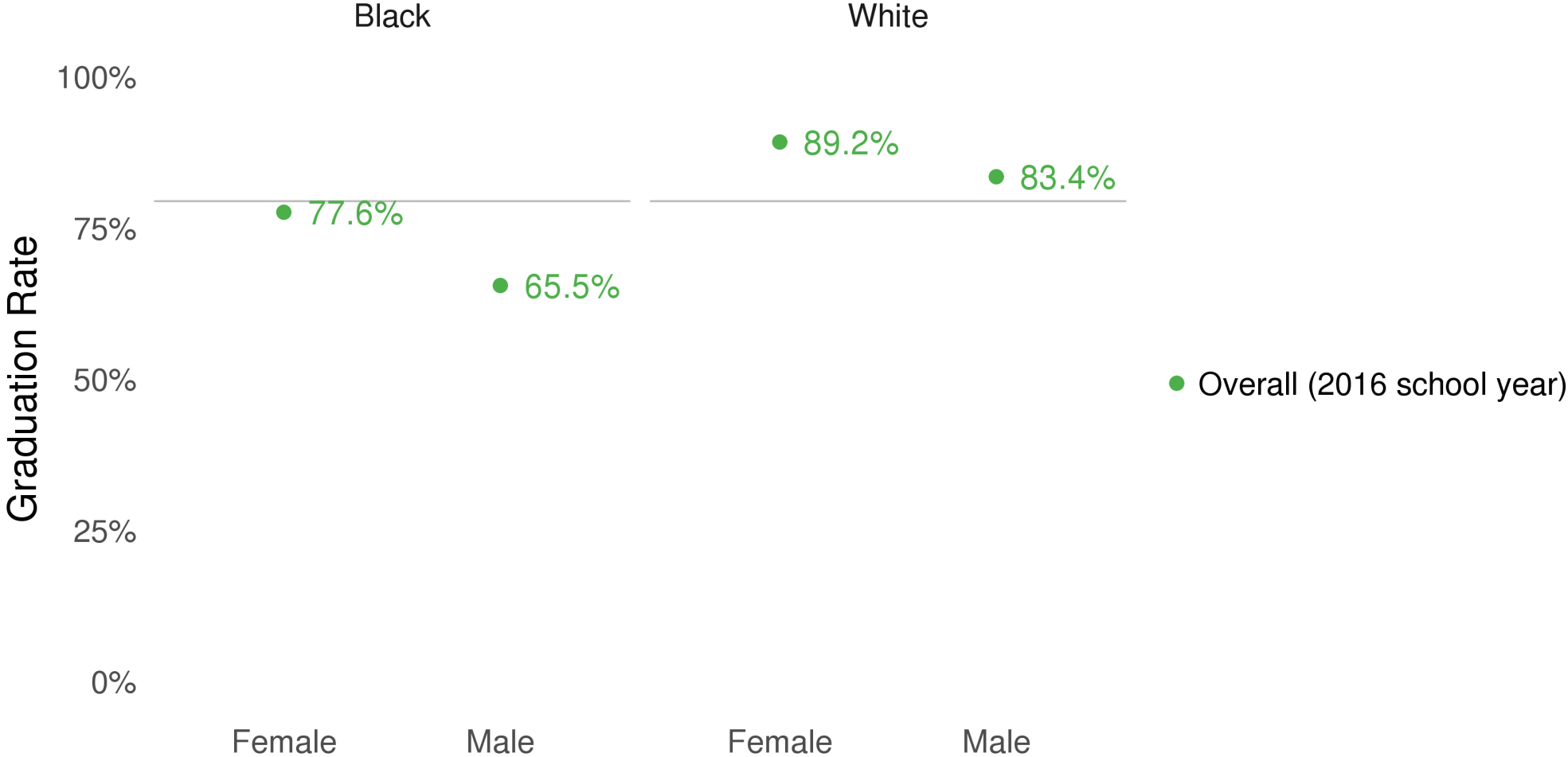
5-Year Graduation Rates for JJ & CPS-Involved Youth

Rates by race & sex, compared to 2016 overall



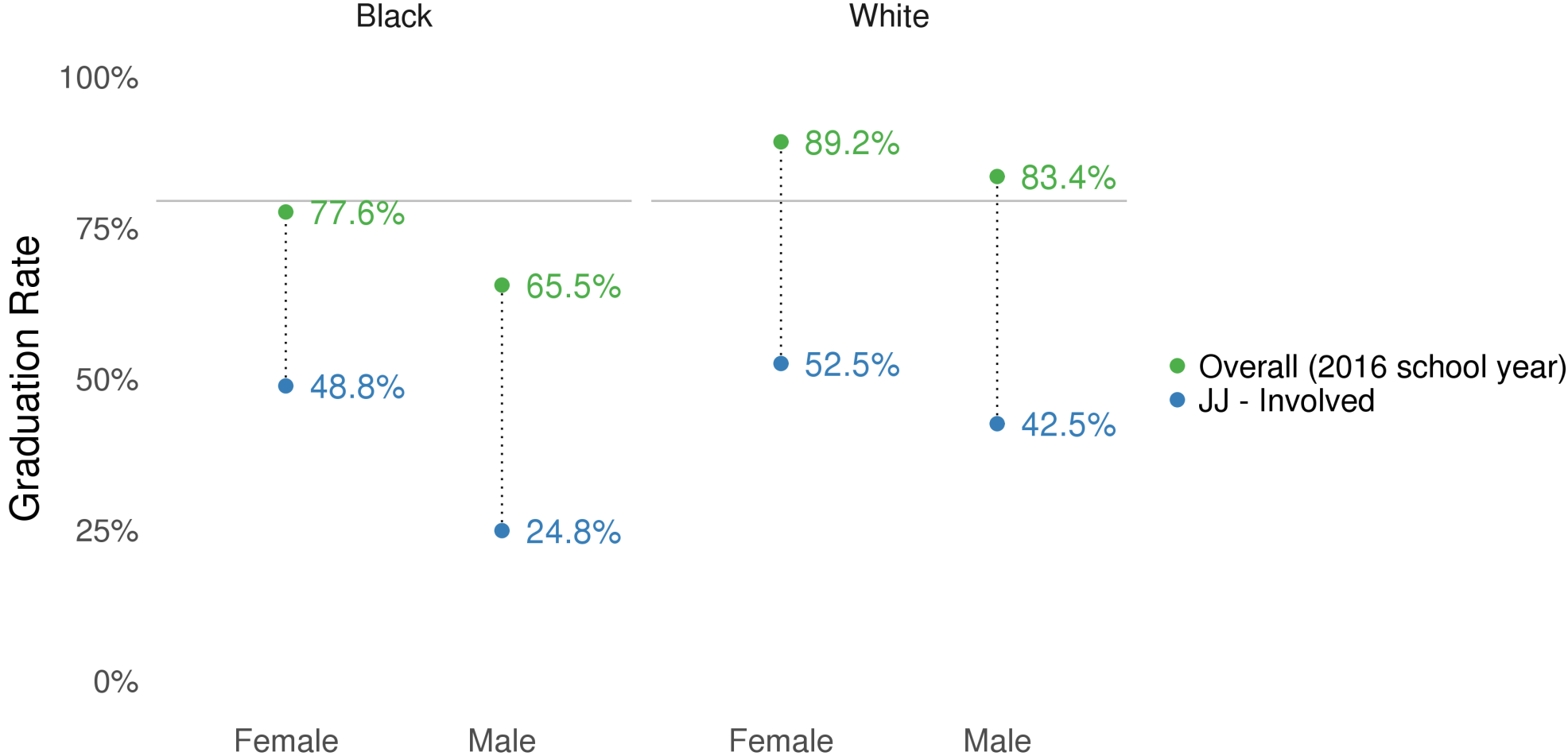
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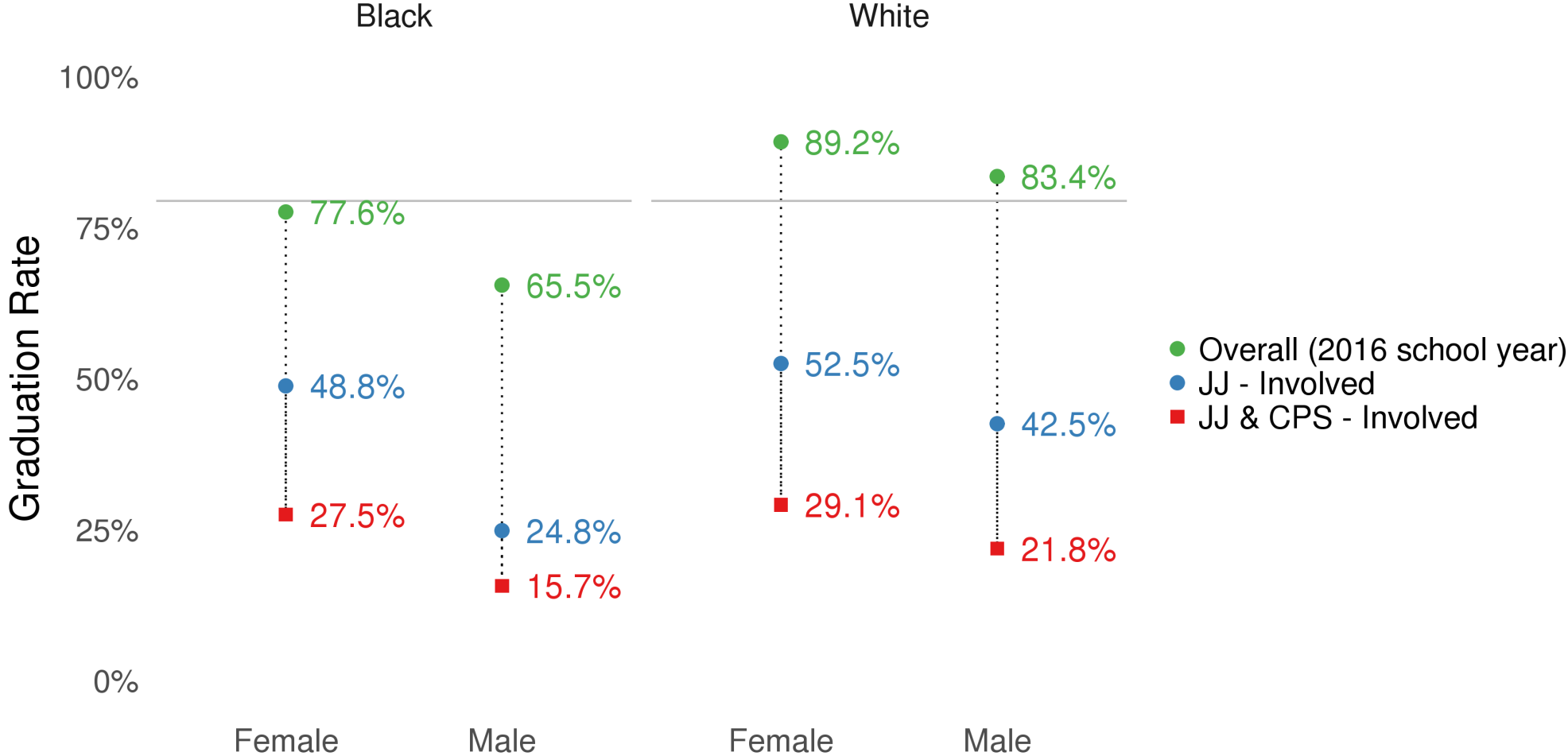
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5-Year Graduation Rates for JJ & CPS-Involved Youth

Rates by race & sex, compared to 2016 overall



Issues to keep in mind.....

- Solving complex problems often requires collaborations
- Critical that you develop partnerships with trustworthy partners (maintain confidentiality)
- Build teams that draw on the collective expertise of others
- Have a clear rationale for the development of data partnerships (the why?)
- The State should lead the research agenda.....not the University
- Make findings accessible to stakeholders and professionals in the field
- What is the return on investment?
- Once partnership is established – look at build in new sources of data – or efficient ways to use data.

Making Data and Findings Accessible and User-Friendly

Recurrence of Maltreatment in Michigan

State & County Performance, 2012 - 2015

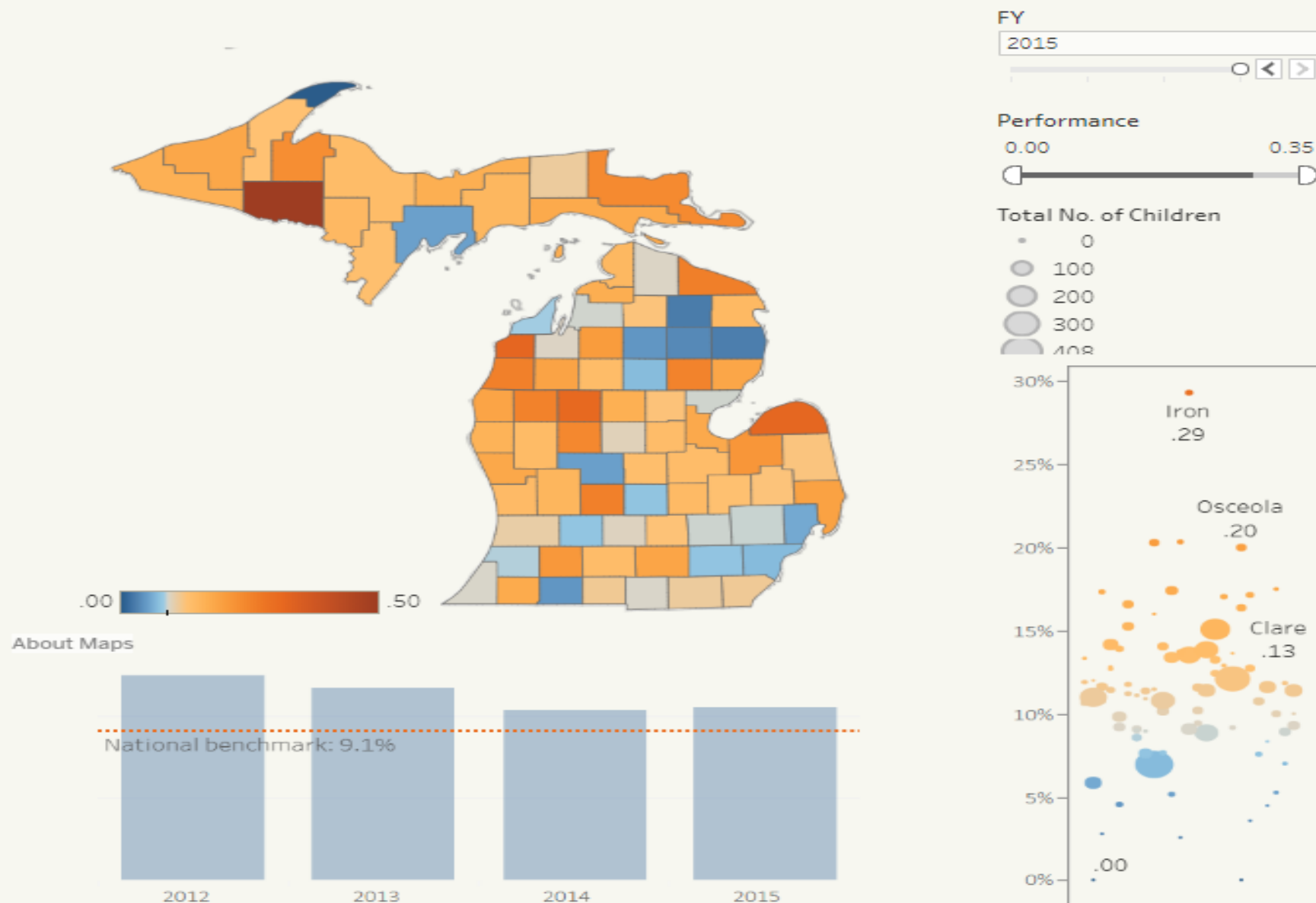
What is recurrence?

This indicator measures whether the agency was successful in preventing subsequent maltreatment of a child if the child was the subject of a substantiated or indicated report of maltreatment. The national benchmark is 9.1%

Calculation of recurrence: Of all children who were victims of a substantiated or indicated maltreatment report during a 12-month period, what percent were victims of another substantiated or indicated maltreatment report within 12 months?

About this viz

The Michigan map shows the average recurrence rate for each county over the 4-year period. Counties in blue have recurrence rates below the national benchmark and counties in orange have recurrence rates above the national benchmark. Selecting a county on the map updates the other charts to show the specific yearly values for the respective county.



Racial Disparities

<https://public.tableau.com/app/profile/beperron/viz/YouthFlowDraft/Overview>

Understanding Child Well-being Through Innovations in Data Linkage

Kristine Piescher, Center for Advanced Studies in Child Welfare

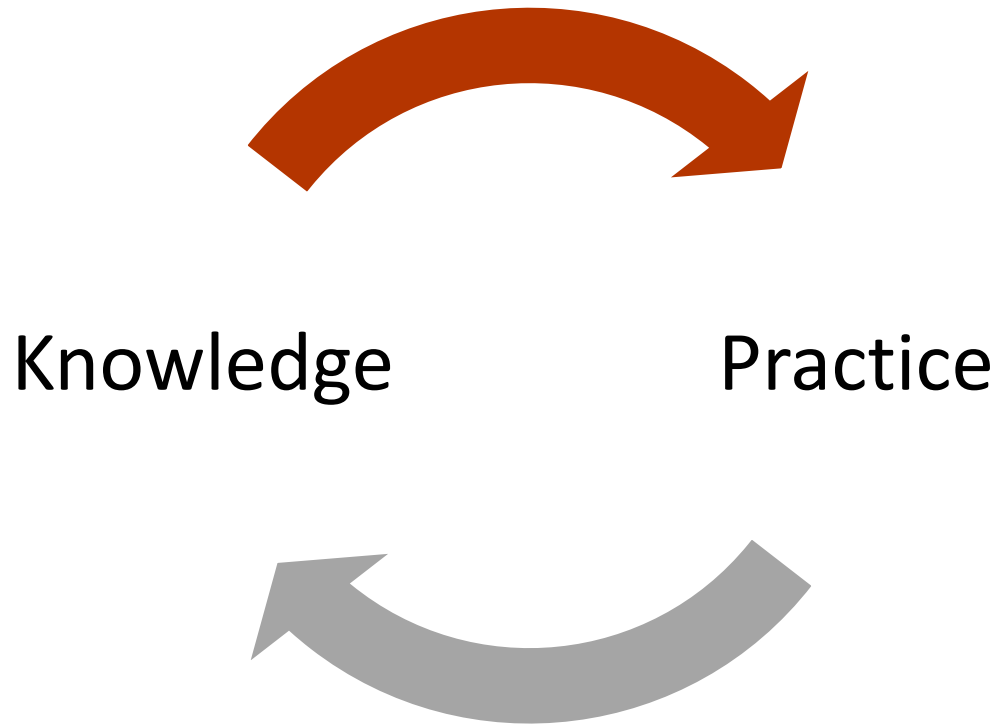
Overview

- Integrated Data Systems (IDS)
- Minnesota's IDS – Minnesota Linking Information for Kids (Minn-LInK)
 - Purpose
 - Data
 - Our process for integrating data
 - Key information about our processes and protocols
- A recent example

DATA
DRIVEN 

[illegible]

Integrated Data Systems



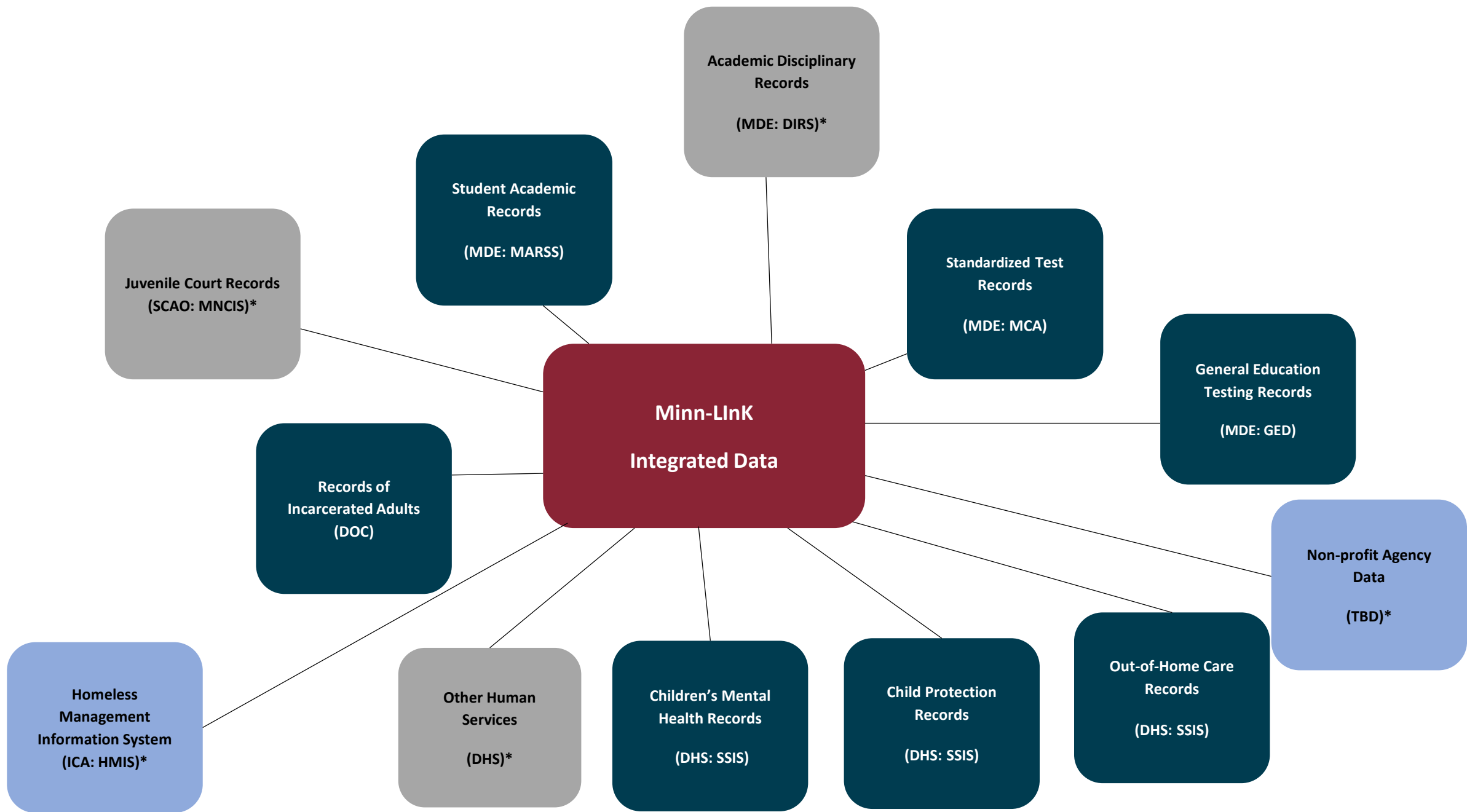
Link administrative data across multiple agencies to ***monitor*** and ***track*** how services are being used and to what effect

Provide a ***more complete account*** of how policies and programs affect individuals they're intended to serve

Allow agency decision-makers to ***better address inter-connected needs*** of individuals and families more efficiently and effectively



“...linking state administrative data from multiple agencies to answer questions about the effects of policies, programs, and practice on the well-being of children in Minnesota.”



MINN-LinK LINKING PROCESS

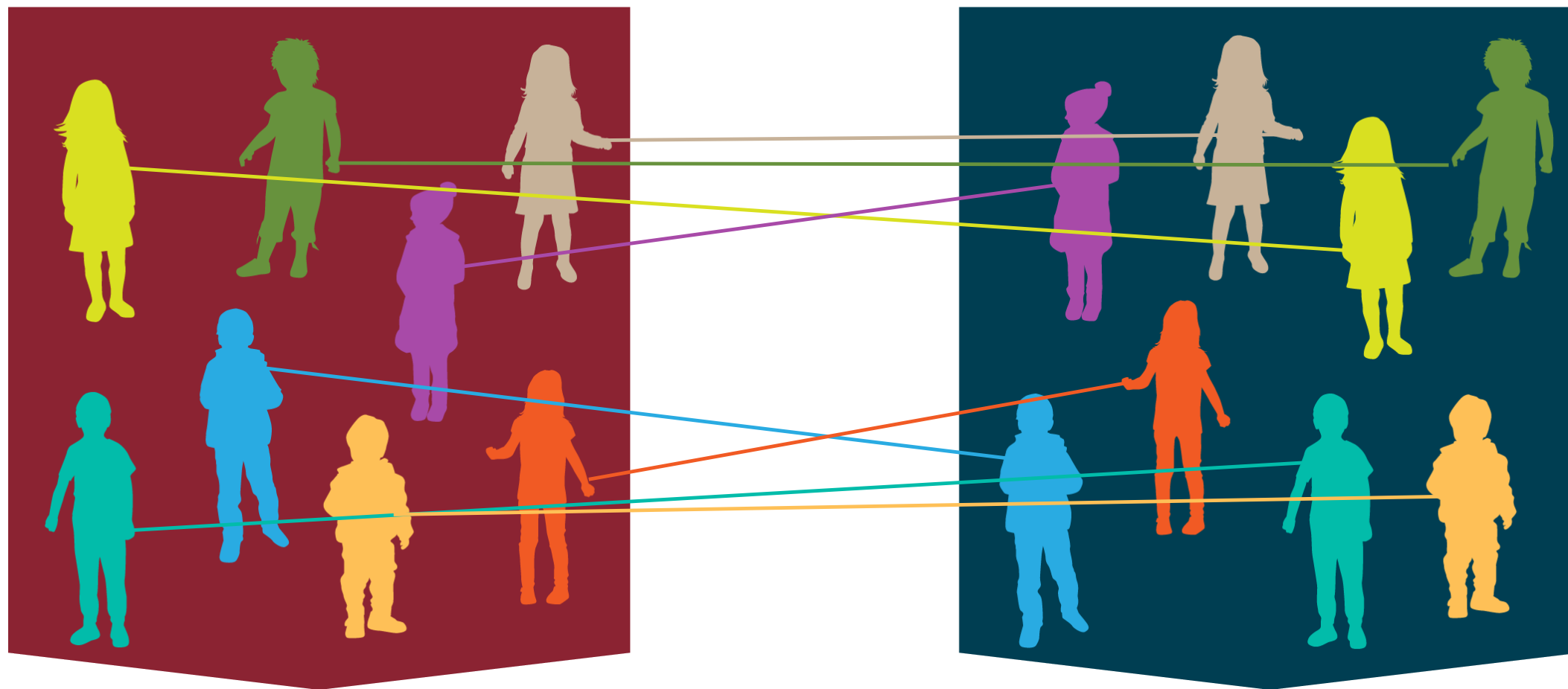
Data Set 1



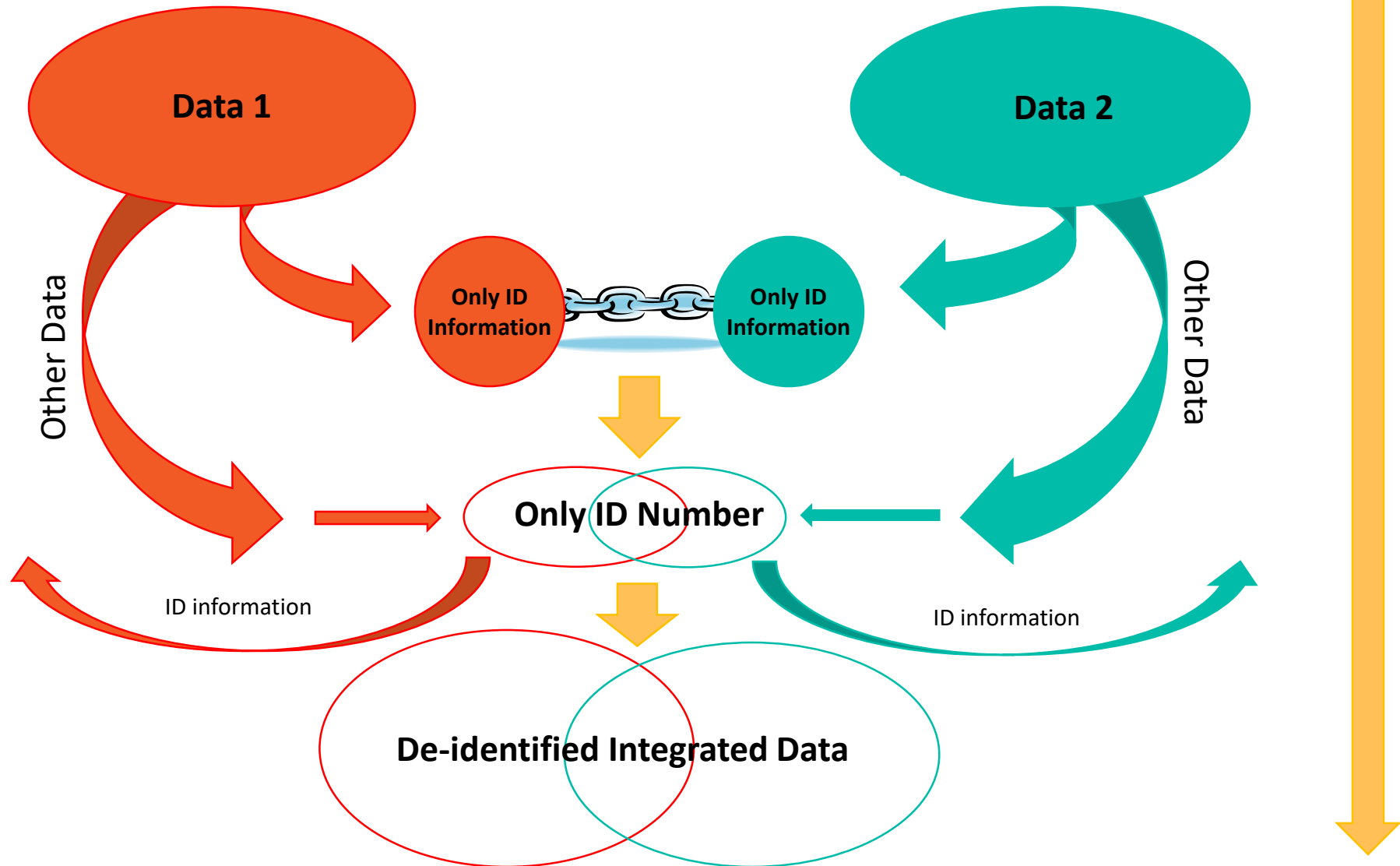
Data Set 2



ID Information



Detailed Linking Process



Data Governance

Minn-LInK
is a *data steward*

- Review research proposals and ensure data use is in keeping with Minn-LInK mission and relevant policy
- Notify data owners when new studies begin
- Support IRB proposal development
- WE match identified data (\$) and host data on a secured server for EACH STUDY
 - Data owners do NOT provide financial support, nor does UMN
- Provide de-identified data in a highly secure setting (HIPAA & CITI)
- Develop and monitor security protocols and researchers' adherence
- Provide technical assistance to researchers (data interpretation, coding & analysis, connecting researchers, as needed, to data owners, etc.)

Dissemination & Public Good

Minn-LInK
is a data steward

- Review research products and then submit them for 30-day review by data owners
 - NOTHING PUBLIC until the review is complete
- Require a Minn-LInK research brief & discussion guide for every study – made publicly available on our website
 - Provide editing, graphic design, and printing
- Annually report on the studies utilizing Minn-LInK data
 - All studies using data
 - All products developed for that study

Statewide, population-level
research

Systematic data protection

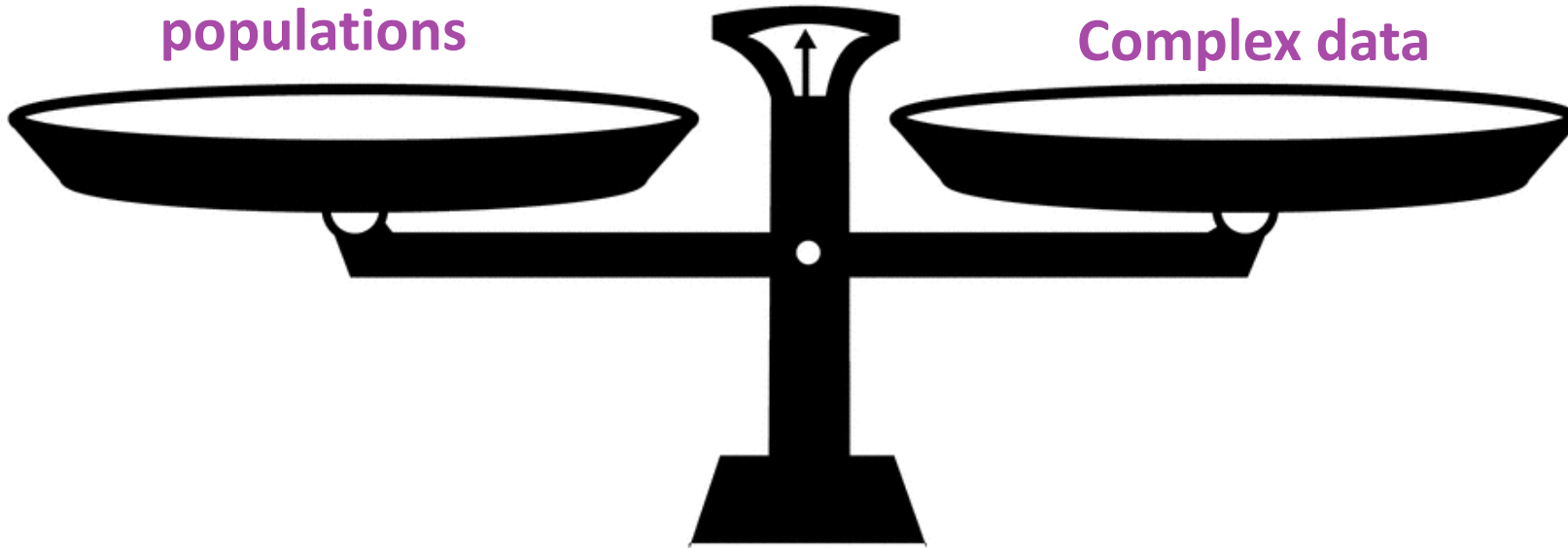
Cost-effective research

Research affecting vulnerable
populations

Administrative effort –
integration, funding,
relationships,
interpretation

Secondary data

Complex data



Ending Student Homelessness



Next Meeting Date

October 13, 2022

Virtual Meeting

For virtual meeting information, email Morgan Byrnes at Morgan.Byrnes@mass.gov

*2022 Data Subcommittee meetings will be on the
2nd Thursday of the month 10:30am-12pm*

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