

Welcome!

As we wait to get started...drop in the chat:

1. Name, role, location
2. An emoji to represent how the using data technology for student success data analysis makes you feel.
 - a. "Data technology and data-based decision-making make me feel..."



Developing Data-Driven Insights: Leveraging Student Information Systems (SIS) to Support Student Success Teams

Student Success District Network

January 13, 2026

THE GRAD
PARTNERSHIP

Advancing Student
Success Systems

The GRAD Partnership for Student Success

1 WHAT

Partnering with communities to use high-quality student success systems so that schools are empowered to graduate all students ready for the future.

2 WHO



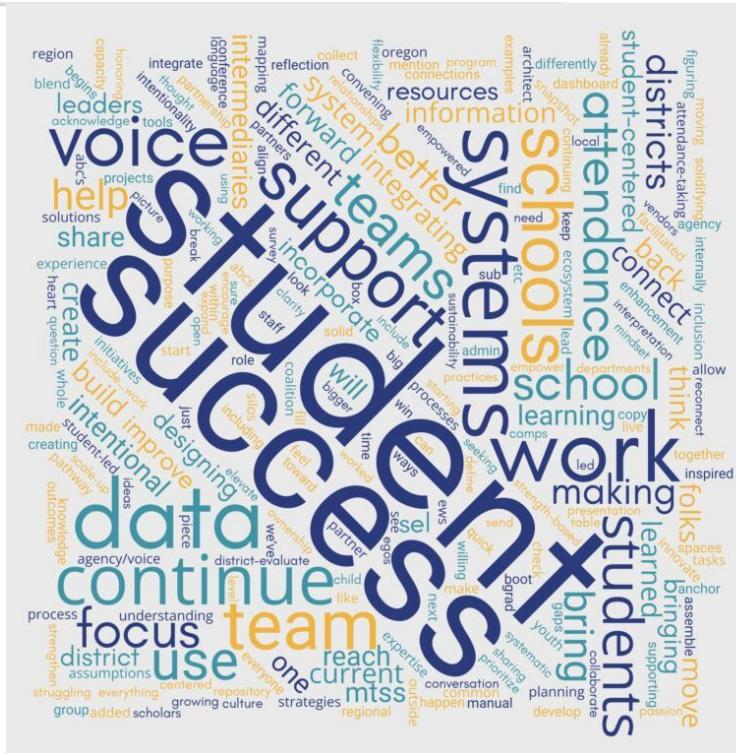
3 HOW

- Providing multiple types of technical assistance to schools, districts, and states
- Building capacity of local Intermediaries to support schools/districts
- Developing tools and resources



Student Success District Network

- Learn from peers and contribute to peer learning about the student success system framework and implementation and improvement strategies
- Gain access to tools and resources for implementation
- Contribute to growing national dialogue on student success systems
- Expand and deepen professional network of district support personnel



Today's Session:

01

SIS and student success systems data integration

02

Understanding “pain points” in district data use

03

Leveraging SIS to support student success teams

04

SIS use resource in development

Meet the Facilitators



Sierra Noakes

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Project Manager
Digital Promise



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Director of Student
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Lowell Public Schools



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Student Success District
Network Coordinator

Who we are

The GRAD Partnership is a first-of-its-kind, field-led collaboration of leading research, technical assistance and non-profit organizations. We partner with states, local intermediaries, communities, and districts and schools to establish sustainable, high-quality student success systems across the nation.

GRAD Partnership

Community Norms

- **We, not me:** Share stories and airtime
- **Accept non-closure**
- **Use the ideas, keep details in the community**
- **Share to learn** (within the network and your team)
- **Professional over personal**
- **We are all learners**
- **There is more than one way to do this work**
- **Make room for joy**

Student Information Systems (SIS) and Student Success System Data Integration

Opening Remarks

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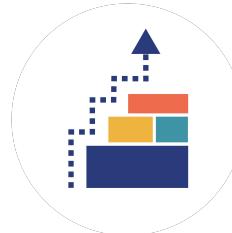
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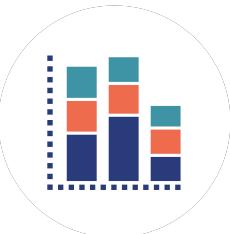
Four Components of Student Success Systems



Strong, Supportive Relationships



Strategic Improvement Actions



Holistic, Real-Time, Actionable Data



Shared Mindsets

Value of SIS Within Student Success Systems

- Create holistic data views to understand predictive indicators, wellbeing, agency, belonging, and connectedness in easily accessible formats
- Create infrastructure that teams need to turn individual data into actionable information.
Actionable information helps teams:
 - See **patterns, trends, co-occurrences**
 - Identify **groups of students** who can be helped collectively

Help answer questions like, “How many students are both failing math and chronically absent?”

Data integration remains a big challenge for effective data use in SSS work

- Only 16% of principals report that “The vast majority of what’s needed is in one data system.”
- Seventy percent of principals put data integration among their top 3 impediments to effective data use
- Time to meet was also cited as key barrier to effective data use for on-track/student success teams. Forty-nine percent of principals report this is a substantial barrier and 35% a modest barrier.

2025 GRAD Partnership survey conducted by the Rand Corporation

Understanding “Pain Points” in District Data Use

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District-Led Innovation Showcase: Nine Pain Points

	Data Quality <p>Inconsistent, incomplete, or unreliable data undermines identification of student needs</p>		Fragmented Data Systems <p>Siloed platforms require manual integration and prevent holistic view of student success</p>		Data Access <p>Limited real-time data access across roles prevents timely intervention</p>
	Actionable Data Visualizations <p>Complex and technical reporting makes it difficult to identify patterns and trends</p>		Intervention Tracking <p>Lack of integrated systems to monitor assignment, progress, and effectiveness of interventions</p>		System Customization <p>Rigid structures prevent meaningful adaptation to district context</p>
	System Usability <p>Complicated interfaces create barriers to adoption and consistent use</p>		Cost Barriers <p>Essential features and product support come at additional costs, straining district budgets</p>		Edtech Marketplace Volatility <p>Acquisitions and product shifts create uncertainty in long-term planning</p>

What comes up for you?

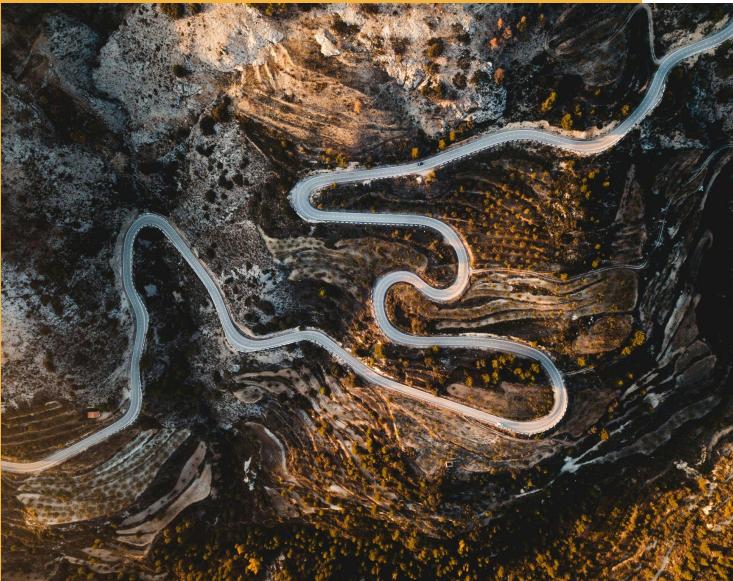
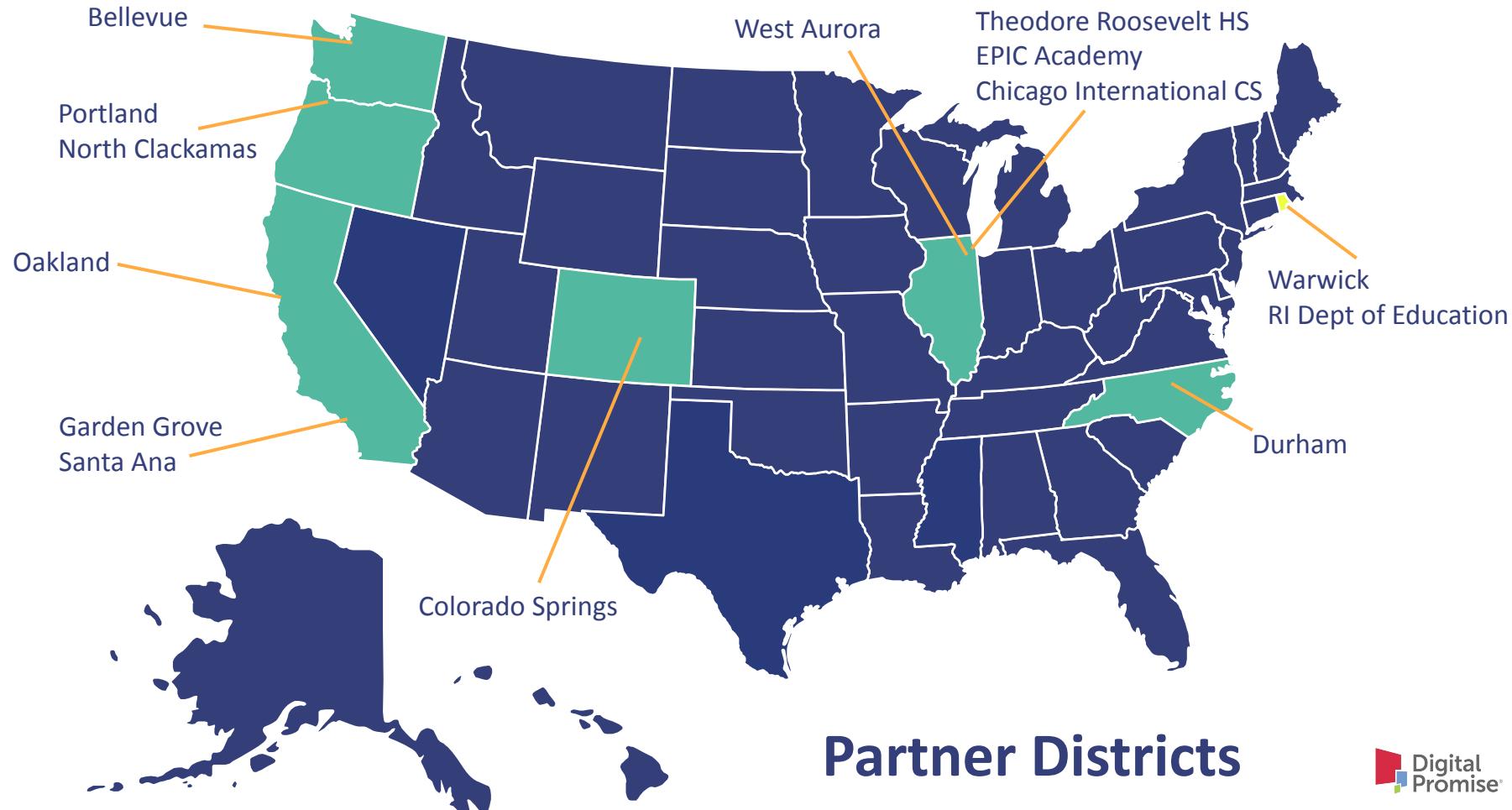


Photo by [Jack Anstey](#) on [Unsplash](#)

Which pain points resonate?

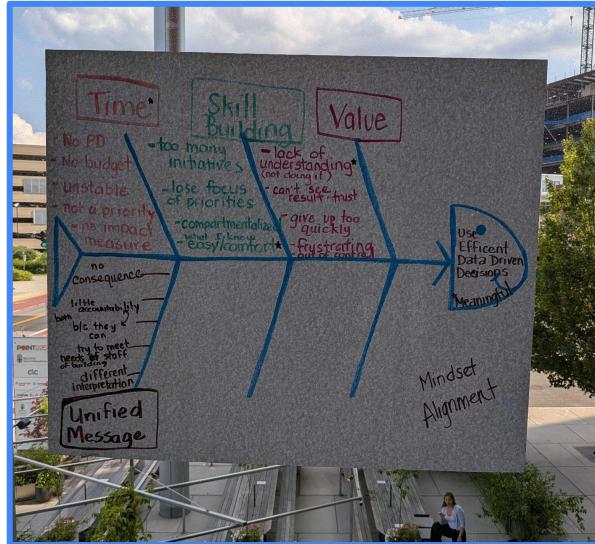
Are there additional pain points you experience?

What resources and strategies have supported your team in navigating pain points?



Co-Design

Bringing together district and school teams, providers, and subject matter experts to design new features within products



Overview of Technical Capabilities

1. AI-Powered MTSS Recommendations
2. Customized dashboard metrics with district-created filters
3. High-Quality Instructional Material (HQIM) and content alignment to interventions

Just to name a few...

Leveraging Technology to Support Student Success Teams

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Lowell Public Schools

A journey to
actionable
recommendations



Equity, Excellence, Empowerment.

Working with:  OPEN
ARCHITECTS

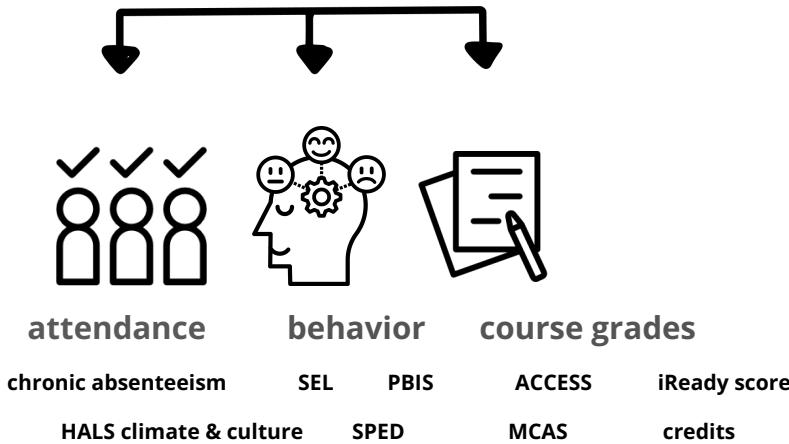
Student Success Teams – School Based

Structure

Student Success Team

meet at least quarterly to identify **overall risk** using ABC domains of student engagement

Indicator Teams of individual domains meet at greater frequency as needed for **content-area intervention**



Pain Points

Actionable Data Visualization, Customization

Goal

Ensure all students have what they need; no one falls through the cracks

Identify



Who is disconnecting?

Use On Track/At Risk dashboard to identify students in Tier II and Tier III risk

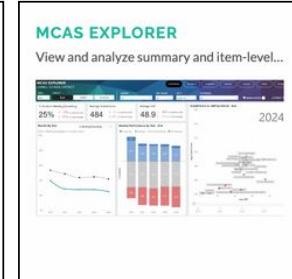
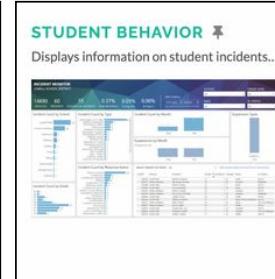
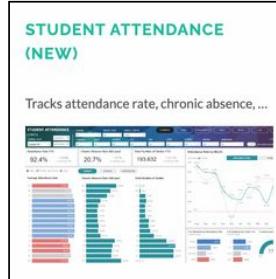
How are they disconnecting?

Group students by type of support needed (e.g. mental health, math intervention).

Current Period Risk Tier	Chronic Abs Risk Pts	Incident Risk Pts	Failed Eng. Risk Pts	Failed Math Risk Pts	CY # Absences	CY # Behavior Inc.	Most Recent iReady ELA	Most Recent iReady Math	MCAS
Tier 1					5.00	1.00	1 Grade Level Below	1 Grade Level Below	NM
Tier 1					11.00	0.00	3 or More Grade Level Below	Mid or Above Grade Level	NM
Tier 2					6.00	0.00	2 Grade Levels Below	2 Grade Levels Below	PM
Tier 1	1				15.00	2.00	3 or More Grade Level Below	Mid or Above Grade Level	PM
Tier 2					6.00	0.00	1 Grade Level Below	1 Grade Level Below	PM
Tier 2					1.00	1.00	1 Grade Level Below	3 or More Grade Level Below	PM
Tier 2			1		3.00	1.00	2 Grade Levels Below	Early On Grade Level	NM
Tier 2					11.00	0.00	2 Grade Levels Below	3 or More Grade Level Below	NM
Tier 1					11.00	6.00	2 Grade Levels Below	Mid or Above Grade Level	PM
Tier 1					11.00	1.00	Mid or Above Grade Level	Mid or Above Grade Level	PM
Tier 3	2		1	1	46.00	0.00	Early On Grade Level	2 Grade Levels Below	PM
Tier 1					2.00	0.00	Mid or Above Grade Level	1 Grade Level Below	PM

Who needs what?

Sort students by type of support needed. Indicator teams meet and use applicable dashboard for content-area interventions



Identify → Support



Who is connected?

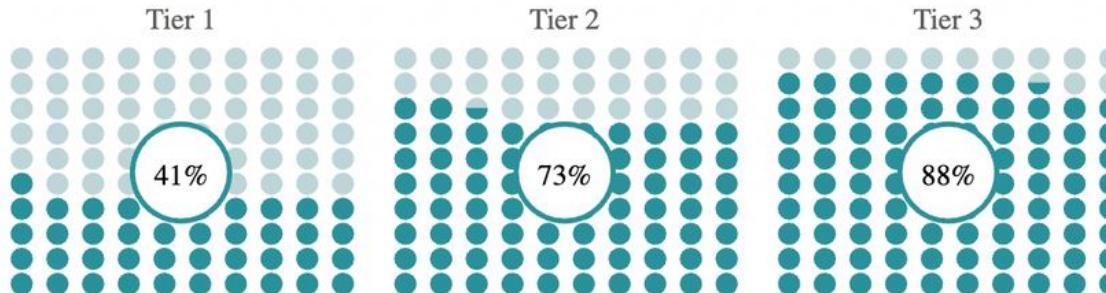
Use Student Support Services Dashboard to see who is connected based on journal entries in student information system



Who is not?

Connect these students based on their strengths and needs (e.g. after school STEM club, sports, mentoring, tutoring)

% Students with Journal Entries (unique students served)



SIS Use Resource in Development

Priorities for forthcoming resource

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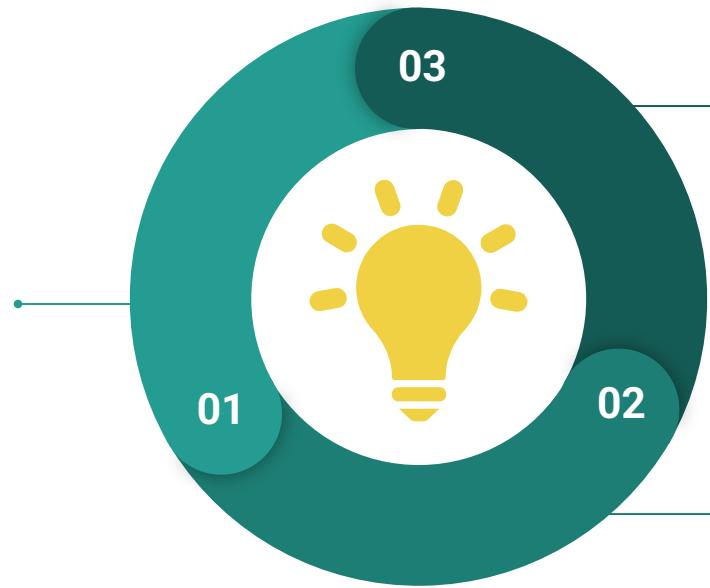
Student Success Systems Playbook

- A tool that offers an organized schema to think about infrastructure for student success systems
- Actionable recommendations with resources and templates
- Playbook will launch at ISTE in June 2026!

Preliminary Resource Components

Defining Success

Selecting indicators, setting thresholds and cut scores for risk levels, and aligning definitions.



Taking Action

Creating student groups, assign interventions, and track interventions.

Creating Infrastructure

Developing a configuration plan that ensures the right staff have access to the right information when they need it.

What does this mean for you?

How has your experience using SIS for complex student success system data work aligned or not aligned with the proposed resource components (defining success, creating infrastructure, taking action)?



What is one thing we should keep in mind while developing the upcoming resource to ensure it meets your district's needs?

Closing and Next Steps

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Keep the Conversation Going



Snapshot

Summarizes the theme, connection to practice, and resources.



Resources

Focus on processes of using data for student success systems.



Practice

Prioritize your 'pain points' and reflect on how this fits within current practices

Next Steps

Thriving Together: Strengthening Schools to Support Students with Disabilities

- Co-facilitated with NCLD
- Tuesday, February 17, 2:30-3:30pm EST /11:30am-12:30pm PST

Upcoming Sessions

March 12 @ 2:30pm ET

Fortifying Student Success Team Practices

April 22 @ 2:30pm ET

Integrating Supports for Post-High School Transitions into Student Success Work

May 14 @ 2:00pm ET

Data Visualization for Collaboration and Action

Help Grow the Network!

- Invite your neighbors
- Expand your team

<https://www.gradpartnership.org/district-network/>

Registration Form

* indicates required

Email Address *

First Name *

Last Name *

Title/Role *

School District Name *

Register

Thank You

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Additional Resources

Ideas to expand your conversations and thinking

Co-Design Highlights

- 100% of attendees felt that their voice was heard
- 90% of attendees felt that the results of the co-design will address their identified pain points
- District and Powerschool attendees practiced co-design norms and actively participated throughout the day
- Conversations were not siloed and there was active conversation across attendees, regardless of affiliation

Product/Process Changes

Configuration goal: revamping existing MTSS and Insights & Analytics tool

Changes:

- Considering how to incorporate student voice
- Immediate maintenance release after July co-design (filtering dashboard metrics)

In progress:

- Developing standardized content targeted towards 9th grade on track
- Improving fidelity and efficacy tracking

Co-Design Highlights

- **100%** of school-based participants said they felt their voice was heard, they saw how their ideas informed co-design, it was a good use of their time, and they think the results of the co-design will address the pain points that were identified
- **Identified consistent pain points for school participants**, such as tech overwhelm, lack of data driven decision making, and limited time to analyse data
- **Recognized commonalities** between schools, such as a move towards holistic view of student success, a desire for student-led engagement, and a need to integrate intervention systems with SISs

Product/Process Changes

- **AI-Powered FOT Tracker** → delivered through dashboards with celebratory + at-risk insights, trend analysis, and ability to zoom in on students or out to classes.
- **Embedded Celebratory Systems** → celebratory cards at student and classroom level, shareable for team discussion.
- **AI-Powered MTSS Recommendations** → using FOT agent, smart recommendations for interventions.
- **Automated MTSS Planning & Tracking** → intervention tracker with ownership, follow-ups, and success metrics.
- **Build student and classroom profiles** → notes (manual + AI-assisted), agendas, talking points, saved in student/classroom profiles.
- **Student Engagement & Reflection Tools** → student/parent views in profiles, toggle visibility.
- **Qualitative data** → Personalised AI agent that prompts, ingests docs, and helps translate data into action.

Co-Design Highlights

- **89%** of participants think the result of codesign will help address pain points
- **88%** of participants can see how their ideas informed the results of the co-design
- **Identified data configuration challenges in July session** (e.g., fragmented MTSS processes, limited differentiated content production).
- **Co-design configuration solutions are being created** (e.g., Solara-powered prompt banks, standardized meeting templates, HQIM content alignment).

Product/Process Changes

- **Custom tool guidance** for district teams to tailor custom tools and experiences to their students, families, and instructional priorities
- Incorporating **monthly feedback and insight sessions on custom tools** in between quarterly testing cycles
- **User personas** created to map prominent pain points for district teams and inform configuration solutions for custom tools created