

Systems of Resilience: Critical Factors for Decision-Making

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Creating the Conditions for Early Learning Success

How a clear vision, data-driven strategies, and community support in Dallas drove faster and more resilient growth for early learners

JULY 2022



Dallas ISD is a typical urban district with significant needs...



200+ schools, geographically dispersed

~90% of students economically disadvantaged

High student mobility (*moving between schools*)

Prevalence of food, healthcare, and childcare deserts

...and had lagging reading results

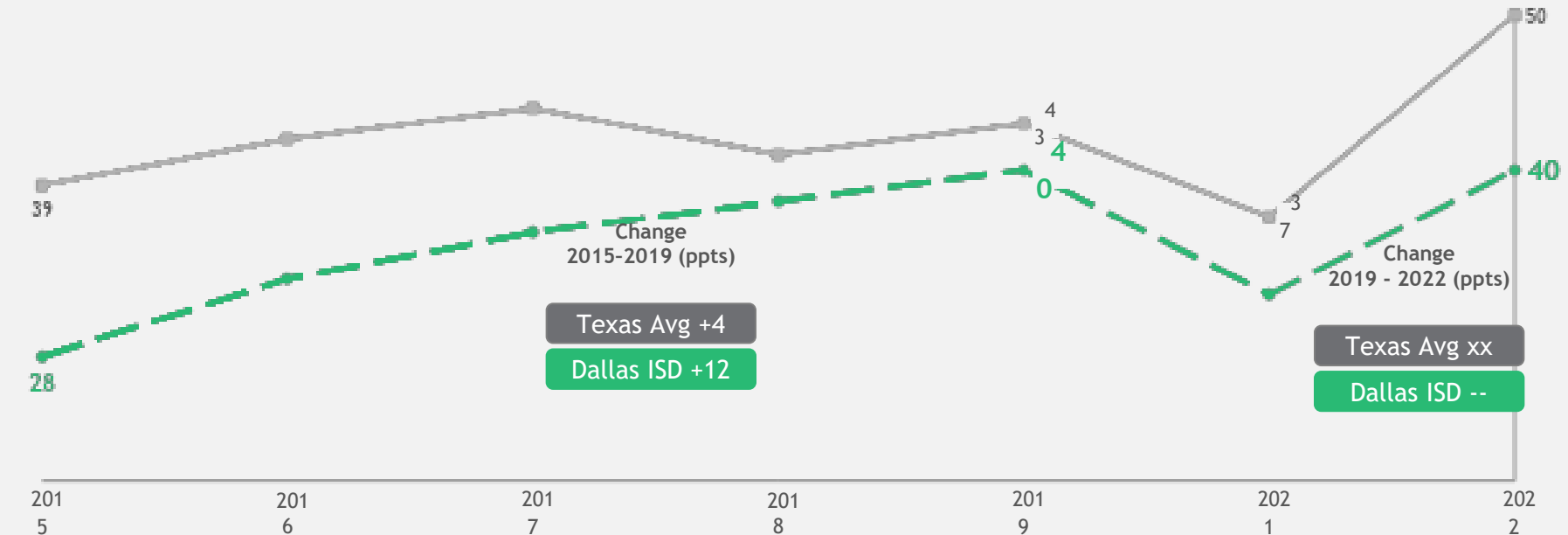


~28%

of third graders reading on grade level in 2015

Despite these challenges, pre-COVID, Dallas ISD grew 3x faster than the state, and has quickly returned to 2019 levels before the state

(%) achieving “Meets” and above (3rd grade reading STAAR)



Source: Texas Education Agency
Note: STAAR was not administered in 2020

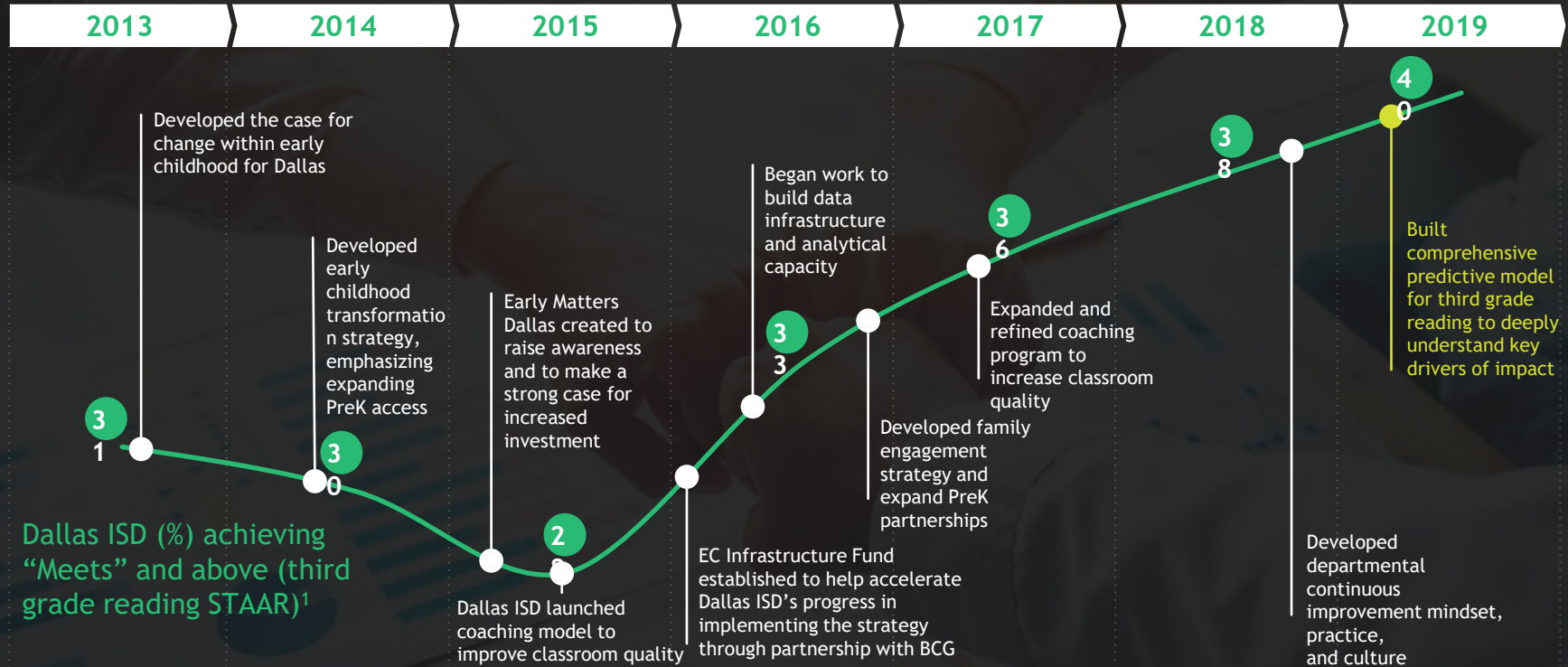
Dallas ISD's progress did not happen all at once, nor was it achieved alone

Example partners



The ongoing gains in reading are the result of a **sustained commitment** to early learning in collaboration with strategic partners, funders, convening organizations, and policymakers

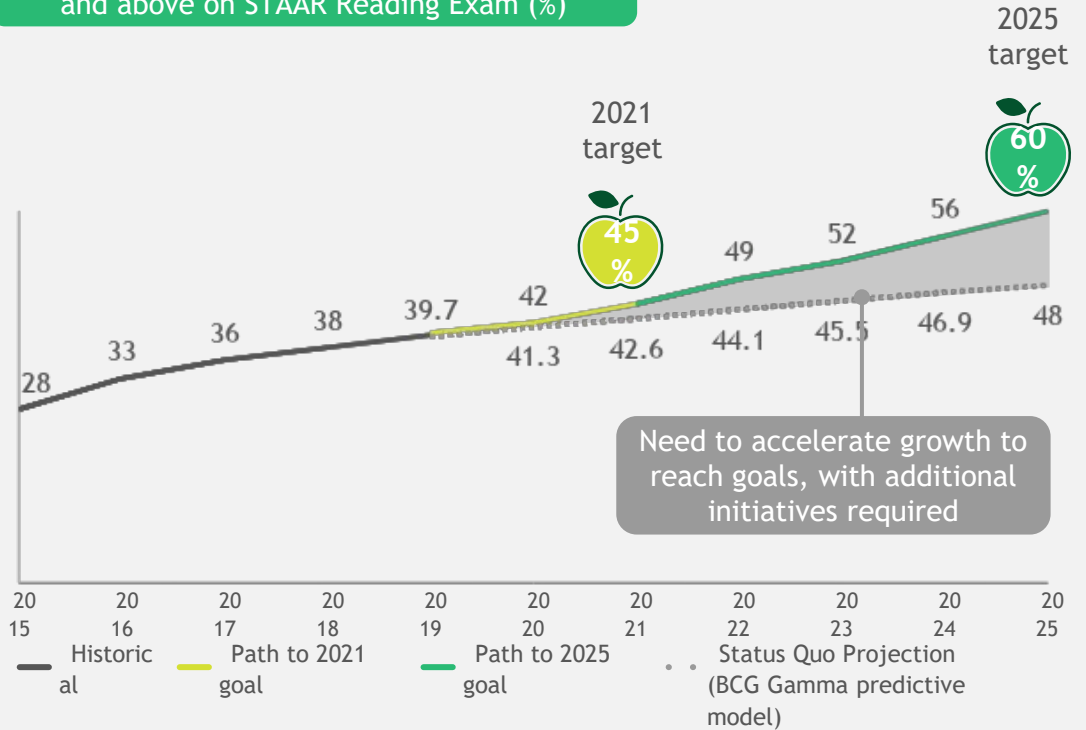
BCG partnered with the district and broader community for multiple years to support this effort



Source: Annie E. Casey Foundation, public data, BCG analysis

Our predictive model showed that new initiatives were required to meet third grade reading goals

3rd graders that achieved meets and above on STAAR Reading Exam (%)



Note: projection maintains historical growth rates of variables to determine student outcomes
 1. Sum of the difference in the number of students that would need to meet standards in order to reach our goals and the projected number of students that will meet standards each year between 2020-2025
 2. Source: Commit Partnership
 Source: Texas Education Agency; Dallas ISD Early Learning Strategic Plan and Board Goals; BCG predictive model 15

We started by building a comprehensive data repository with ongoing updates to enable reporting

Aggregate data


Aggregated different types of data from different sources in one place

Define common data model

Built the infrastructure to capture complete and accurate records

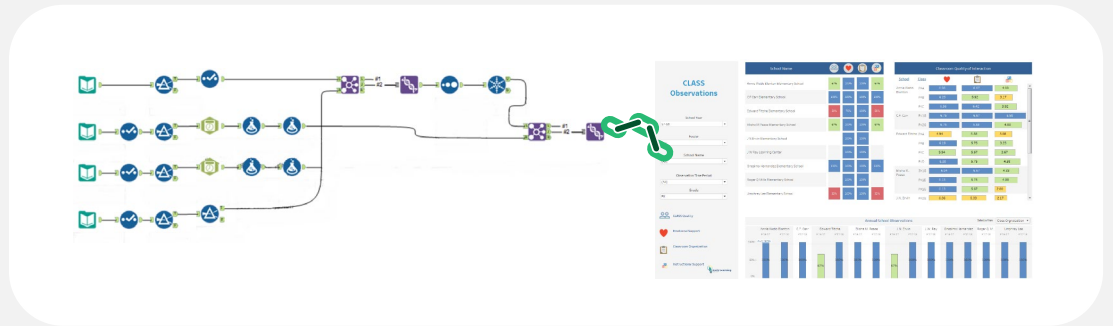
Build reporting dashboard

Automated common metrics and reports into shareable dashboards



Chancery SMS cliengage PowerSchool
PEIMS ORACLE HUMAN CAPITAL MANAGEMENT Istation

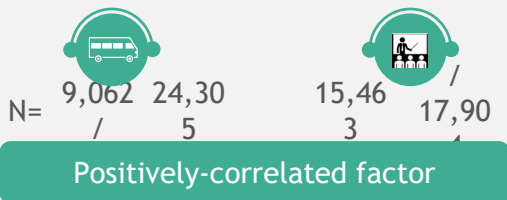
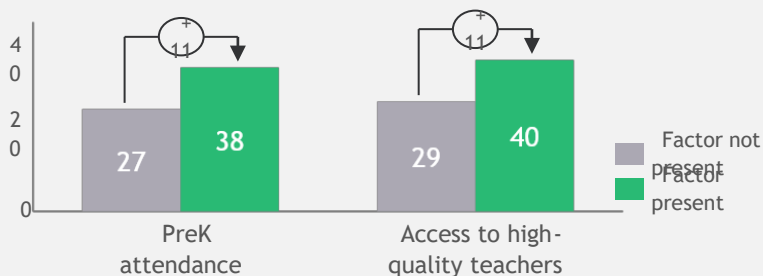
District data was housed in 15+ disconnected databases



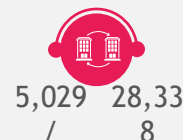
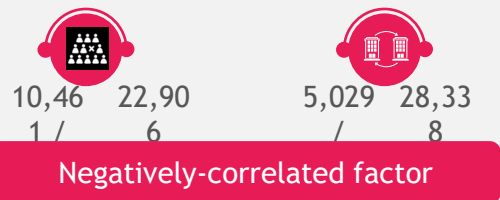
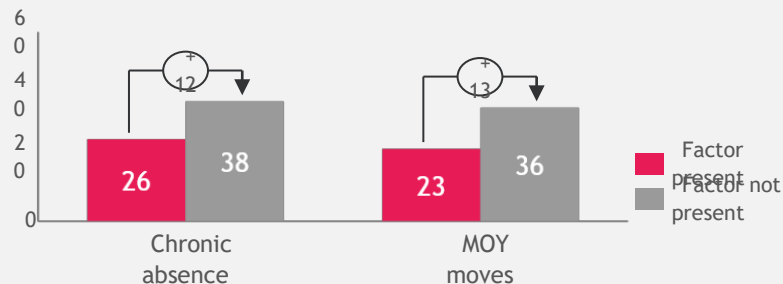
We found that four factors have a significant impact on performance

PreK and teacher quality **positively** impact outcomes...

Students at “Meets” or above STAAR reading (%)



... while chronic absence and moving schools mid-year have a **negative** impact on outcomes

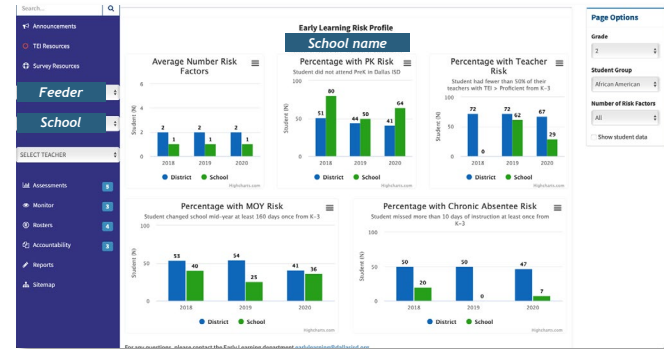
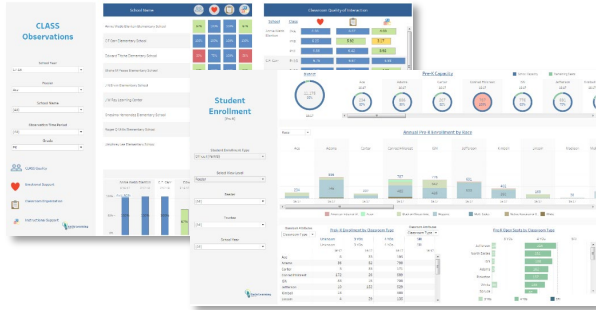




To disseminate this data, we built tools to automate reporting and tailored school-level analytics

Automated common metrics and reports into shareable dashboards with consistent logic

Enabled granular, school- and student-level data around predictive factors to drive impact



Processes that would have normally taken hours or days can now be done in a matter of minutes. The tool was also created so that we could take over and seamlessly add additional data as it becomes available

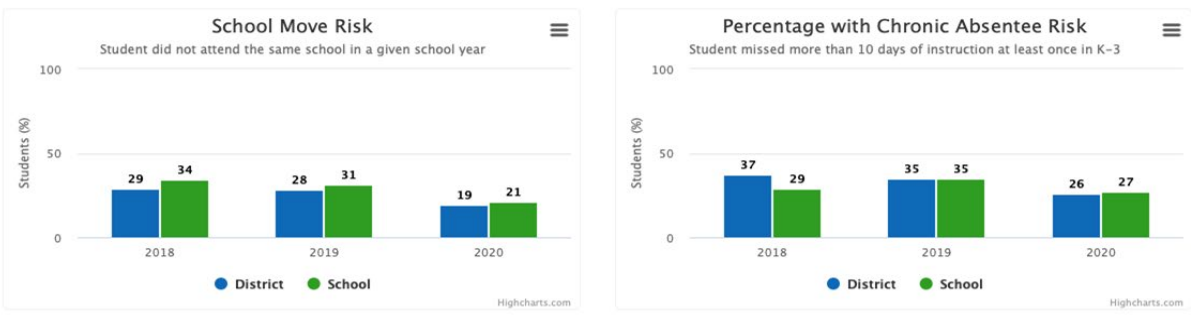
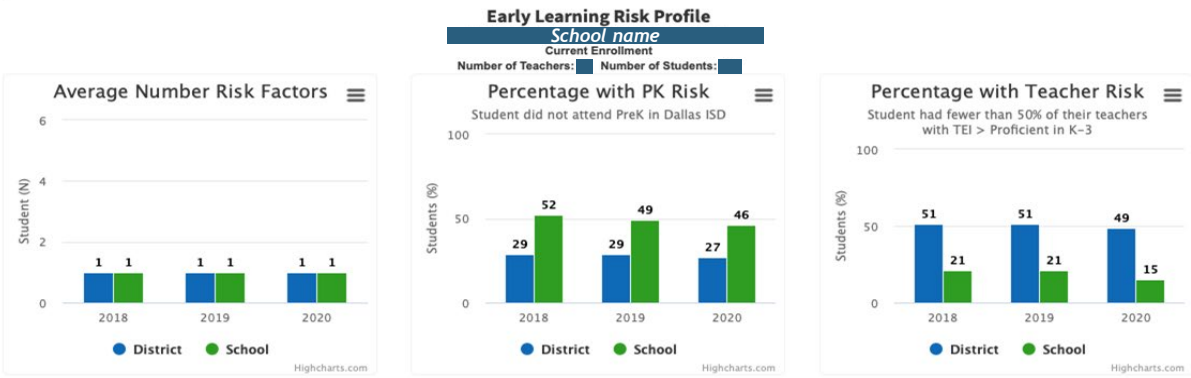


This allows us to get the information we need. Our data used to be buried, in multiple places, and hard to interpret. Now, we are much closer to the day-to-day data that can lead us to improving our outcomes



Backup | School-level data dashboard examples

IMPORTANT: All users with access to this page are cautioned to treat information regarding Early Learning Risk Profile as **highly confidential**.



For any questions, please contact the Early Learning department earlylearning@dallasisd.org

Source: Dallas ISD data team

Page Options

Grade
All

Student Group
All

Number of Risk Factors
All

Show student data

Can filter by grade and student sub-population

School-level risk factors broken out and compared to district averages



Backup | Student-level data dashboard example

Note: Metrics for current school year are updated on a monthly basis.

No	Student ID	Name	Grade	Eth	SPED	ED	EL	TAG	# Risk Factor	PK Risk	Teacher Risk					School Move Risk					Chronic Absentee Risk							
											Overall	PK	KN	1	2	3	Overall	PK	KN	1	2	3	Overall	PK	KN	1	2	3
1	Student data hidden for privacy		02	B	N	Y	N	N	3	Y	Y		Y	N	N	Y		Y	Y							N	N	N
2		02	B	N	Y	N	N	3	N	Y	N	Y	N	N		Y	Y	N	N		Y	Y	Y	N	N			
3		02	B	N	Y	Y	N	0	N	N	N	N	N		N	N	N	N		N	N	N	N		N	N	N	N
4		02	B	N	Y	Y	N	1	N	N	N	N	N		N	N	N	N		Y	N	N	Y	N				
5		02	B	N	Y	N	N	3	N	Y	Y	N	N		Y	Y	N	N		Y	N	N	Y	N				
6		02	B	N	Y	Y	N	2	Y	N			N		N			N		Y			Y	N				
7		02	B	N	Y	Y	Y	2	N	N	N	N	N		Y	N	Y	Y		Y	N	N	Y	N				
8		02	B	N	Y	Y	N	1	Y	N			N		N					N				N				
9		02	B	N	Y	N	N	2	N	N	N	N	N		Y	Y	Y	N		Y	N	N	Y	N				
10		02	B	Y	Y	N	N	2	N	N	N	N	N		Y	Y	N	Y		Y	N	N	Y	N				
11		02	B	N	Y	N	Y	2	N	N		N	N		Y	Y	N	N		Y	Y	Y	N	N				
12		02	B	N	Y	Y	N	3	Y	N			N		Y		Y	N		Y			N	Y	N			
13		02	B	N	Y	Y	N	1	Y	N			N		N					N				N				
14		02	B	N	Y	N	N	0	N	N	N	N	N		N	N	N	N		N	N	N	N		N	N	N	N

Individual student data lines include demographic information and longitudinal risk factor data

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Questions & Discussion

Upcoming GLR Learning Tuesdays Webinars:

GLR WEEK 2022

Bright Spots and Silver Linings

Monday, July 18 – Friday, July 22

LEARNING LOSS RECOVERY CHALLENGE

Innovation in Out-of-School Digital STEM Initiatives

Co-sponsored by Overdeck Family Foundation

Tuesday, July 26, 3–4:30 p.m. ET/12–1:30 p.m. PT

Please stand by...Webinar will begin momentarily!

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Bright Spots  *Silver Linings*

GLR WEEK 2022 JULY 18-22

SAVE THE DATE

Plenary Sessions



A Virtual Gratitude Reception: CGLR Salutes Our Public Libraries

Monday, July 18, 3–4:30 p.m. ET

Building Blocks for the New Normal: Mining the Bright Spots and Silver Linings

Tuesday, July 19, 3–4:30 p.m. ET

\$45B to advance digital equity: Leverage Challenges & Opportunities for State & Local Funders

Wednesday, July 20, 3–4:30 p.m. ET

Community Coalition Leading Organizations: Celebrating Community and Cultivating Resilience

Thursday, July 21, 3–4:30 p.m. ET

Collaboration as Preferred Practice: A Progress Report

Friday, July 22, 2–3:30 p.m. ET (invitation only)