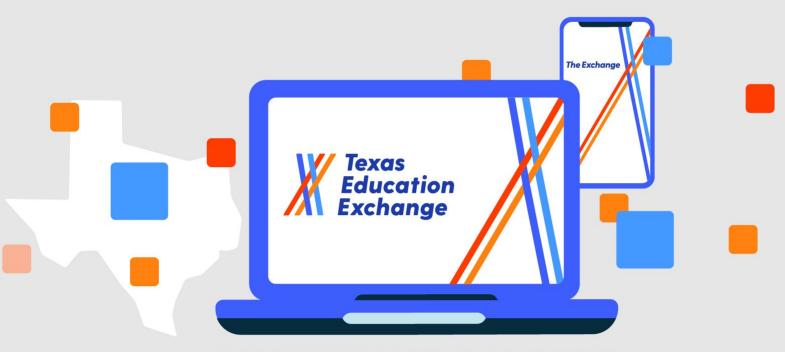
# Put Better Data Tools in Your Teachers' Hands



**DATA INSIGHTS DRIVEN BY COMMUNITY** 













Educators miss opportunities to positively impact students



- Lack of timely, relevant information.
- Lack of data flow between systems.
- Manual work to input data, manipulate it between applications, and compare it to make sense of trends.

## The Exchange is made for Texas by Texas

Five founding regions lead the **Texas Education Exchange Collaborative** 

With support from key partners









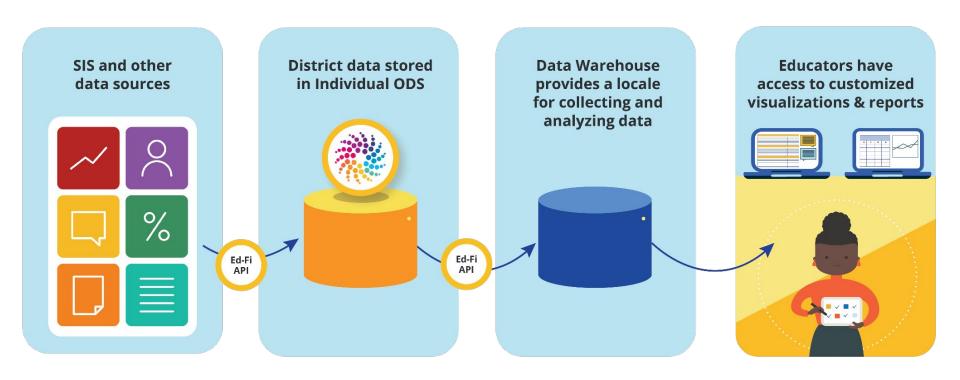
## The Exchange leverages the Ed-Fi Data Standard



- Ed-Fi is a data standard, a set of rules that establishes a unified structure for educational data. It seamlessly connects data from different systems.
- The Exchange is working toward expanding that common language across
   Texas to include TSDS/PEIMS codes plus additional codes where they are
   needed. This will enable all "downstream" partners (e.g., vendors, districts and
   charter schools, regions, researchers) to work from a common language.
- Ed-Fi is **free** and **open source**.
- Ed-Fi also provides a **support community** with documentation and support forums so **users can share solutions**.



# The Exchange architecture moves data securely & efficiently



## Applications address Texas educators' biggest challenges

### **Challenges**

Outdated and erroneous data negatively impacts funding

Educators spend hours logging into multiple systems to access data and do not have a clear, holistic view of student progress

Countless hours spent manually rostering lead to errors and delays

Teachers wait weeks to receive essential data for transferring students, delaying differentiated instruction

### **Solutions**



**Data Health Check** 



Single pane view of student programs and services



**Roster Relay** 



**Student Passport** 



## **Advantages of The Exchange**



#### **Security**

- Controlled access to district data for regions & third-party applications
- LEA owns and controls their data

### **Data analysis and reporting**

- Longitudinal data warehouse access
- Customizable data warehouse
   & business intelligence
   reporting
- Administrator dashboards
- Region-developed applications

#### **User access**

- Central hub for all users to collaborate & access data tools through the online community
- Federation with district SSO to simplify access for educators

#### Support

- Support & tooling to integrate data sources beyond the SIS
- Training & support from regional partners
- More robust administrative management features



## The Exchange benefits districts, tech leaders, regions

This will help us know that we're looking at data equitably—apples to apples, not apples to oranges. What's unique is the interoperability—at present, data is siloed in disparate sources. This will bring it all together.

More accessible data will make people's jobs easier. Everyone is overworked, so something that makes the day-to-day easier will get people interested.



The Exchange can be a boon for small districts. It affords them quality data analytics to support teachers and students, which otherwise wouldn't be possible.



## The Exchange benefits teachers

Removing lag and getting data into the hands of educators to drive their instruction.

The Exchange is made for humans—intuitive, easy to use, engaging, delightful.

Hopefully [The Exchange] will allow teachers to spend less time managing these tools and more time with their students.



If teachers don't have to figure out how applications work together, they can give that extra time to students who need it.





# The Exchange provides participants tools to efficiently manage data

- More efficient data standards alignment and integration
- Regions offer wraparound services enhancing data utilization, analysis, and security
- Regional support for state reporting
- Exchange participants influence product development





## The Exchange is a low-cost option for districts & charter schools

- Enroll in The Exchange at no cost through August 2025
- Access best-cost options from software providers
- Tools and applications offered on The Exchange can help identify cost savings opportunities



### **Exchange Product Offering Summary**

### **Base Offering**

#### <u>Infrastructure</u>

Hosted Ed-Fi ODS

Hosted Data Warehouse

Tech Console

SSO Federation

#### <u>Features</u>

**Exchange Community** 

Leadership Analytics

Student Passport

Data Health Check

3rd Party App Integration

One Roster API

Onboarding Support

#### **Additional Applications and Services**

Base Offering +

ESC Apps

Regional apps:

CCMR-Insights,

RDA, Edvise

**Customization** 

Data Warehouse

as-a-service

Business Intelligence

as-a-service

Customized Support

and Data Loading

Contact The Exchange for pricing



## Join The Exchange



#### What you get:

- Free access to The Exchange through August 2025
- Training and access to hands-on resources to guide onboarding
- Support for state reporting submission validation
- Tools to ensure systems are connected and the right data is flowing
- Customizable dashboards
- An online community that includes districts and charter schools across Texas
- Expanded reporting capabilities
- The ability to **shape our products** for tools you will use



## Exchange member expectations

#### **Activities**

- Appoint an Exchange implementation team
- Configure data sources to integrate with The Exchange
- Train users on Exchange tools
- Collaborate with your region to inform ongoing Exchange development
- Connect The Exchange with users to inform ongoing research

#### **Estimated Time Commitment**

- Executive Lead and Academic Lead approximately 2 hours/week during initial implementation (30 - 40 hrs total)
- Tech and Data Leads approximately 4 hours/week (60 80 hrs total)



## **Exchange Applications**



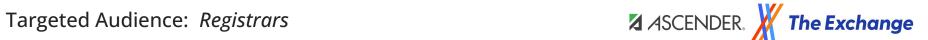
TXEDEXCHANGE.NET

## **Student Passport**

- Product Highlights:
  - Request student information for students moving into an Exchange district
  - Review, fulfill, or decline student information requests
  - Communicate internally with other registrars
- Future Enhancement(s):
  - Expansion of the student information request
    - Graduation plan
    - Attendance
  - Ability to send historical data for select data points



**Student Passport Video** 





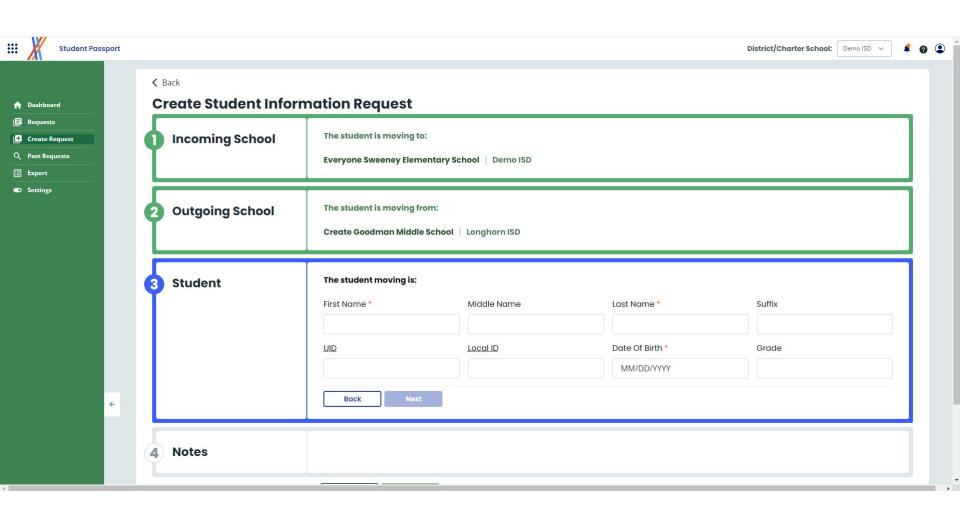
Create Request

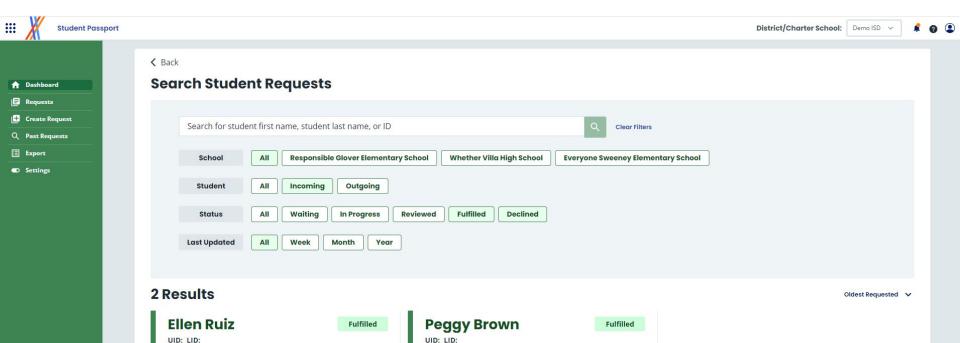
Q Past Requests **■** Export

Settings









Responsible Glover Elementary School → People Hill High School

Requested 5 months ago by Doug Sonaty.

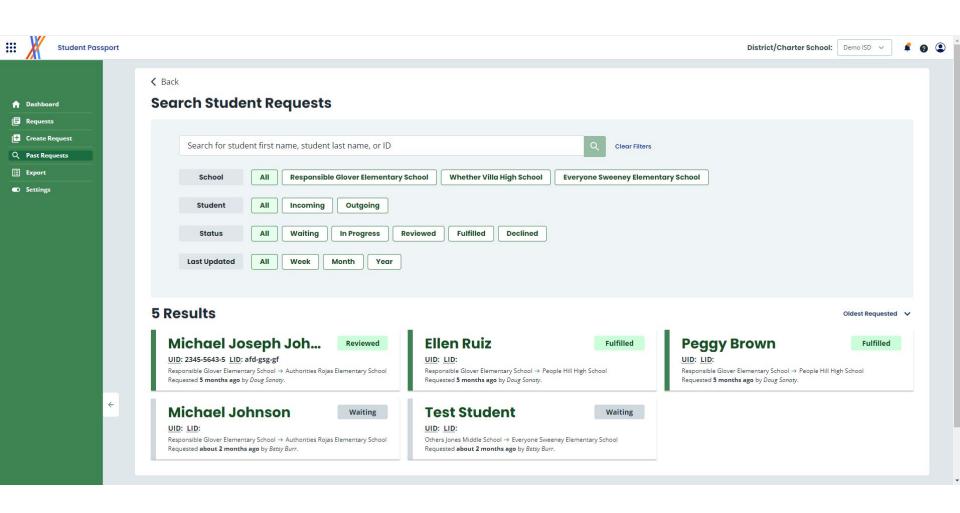
Powered by The Exchange

DATA INSIGHTS DRIVEN BY COMMUNITY

+

Responsible Glover Elementary School → People Hill High School

Requested 5 months ago by Doug Sonaty.







	<b>₹</b> Back
n Dashboard	Export Activity Log
Requests	
Create Request	School All Responsible Glover Elementary School Whether Villa High School Everyone Sweeney Elementary School
Past Requests	
Export	Status All Requested Fulfilled Declined Reviewed
O Settings	Last Updated All Week Month 3 Months 6 Months Year
	Only My Activity
	Only export requests where I performed an action.

**≛** Export

+

## **Leadership Analytics**

- Product Highlights:
  - Identify at-risk groups and students for targeted interventions
    - Visualize chronic absentee information from school or district
  - Determine behaviors that led to out-of-school suspensions
  - Examine current enrollment data at a glance
- Future Enhancement(s):
  - Predictive attendance analytics

Targeted Audience: District and Campus Administrators



**Leadership Analytics Video** 





CLEAR ALL

District/Charter School: Demo ISD V

**=** (3)

₹ 3

98.5%

98.0%

95.7%

96.8%

95.8%

96.1%

97.2%

Average Daily Attendance Rate

69

142

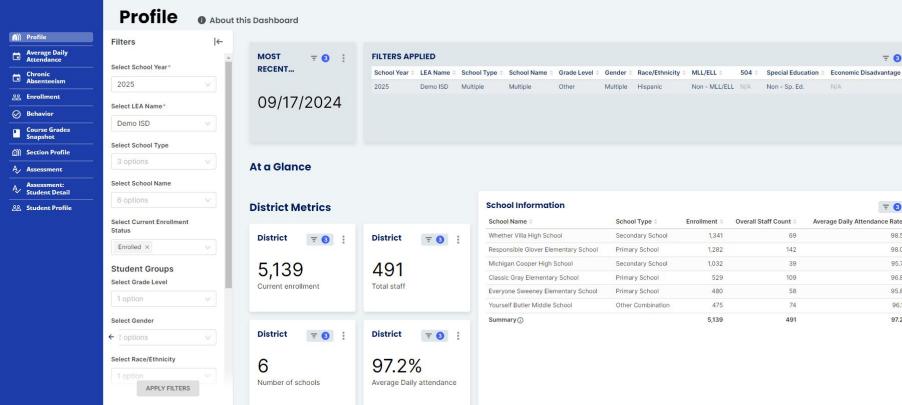
39

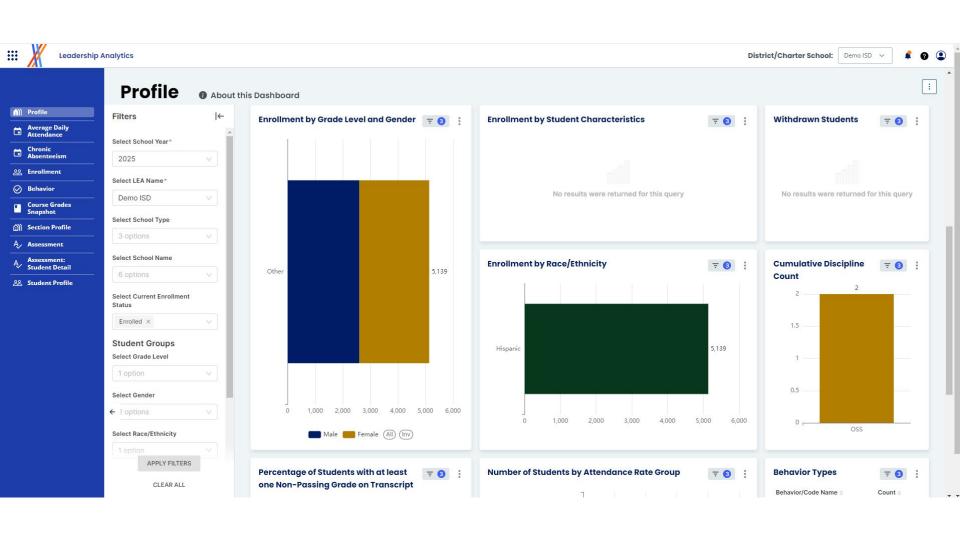
109

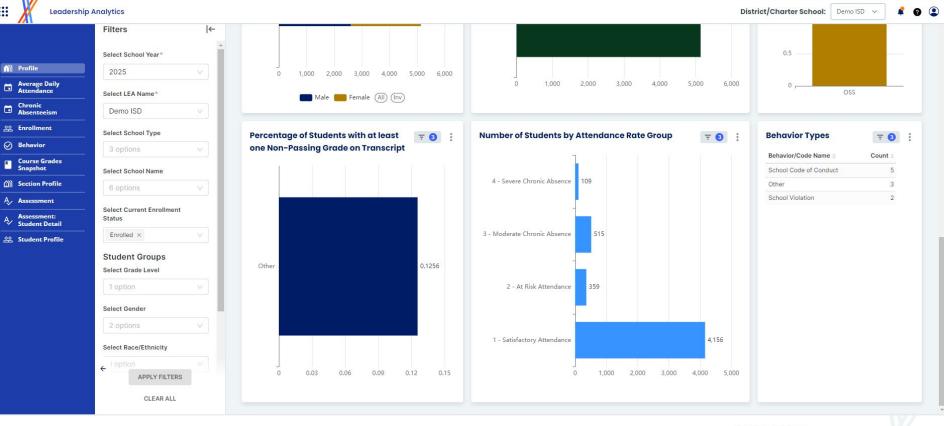
58

74

491





















FILTERS APPLIED T										₹ 🗿	:
School Year	LEA Name	School Name	Enrollment =	Grade Level	Race/ Ethnicity	Gender =	MLL/ELL =	504	Special Education #	Economic Disadvantage	
2025	Demo ISD	Multiple	Enroll	Other	Hispanic	Multiple	Non - MLL/ELL	N/A	Non - Sp. Ed.	N/A	

= 0 :

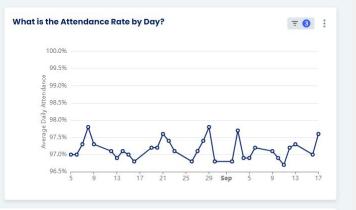
#### ATTENDANCE KEY METRICS

#### **District Metrics**



		Search 6 re	ecords	
School Name	Average Daily Attendance	Number of Students	Chronic Absence Rate	
Whether Villa High School	98.5%	1,34	1 4.6%	^
Responsible Glover Elementary School	98.0%	1,282	2 10.1%	
Classic Gray Elementary School	96.8%	529	13.0%	
Yourself Butler Middle School	96.1%	475	17.3%	
Everyone Sweeney Elementary School	95.8%	480	22.9%	
Michigan Cooper High School	95.7%	1,032	16.6%	+
Summary ①	97.2%	5,139	12.1%	

What is the Average Daily Attendance by School?

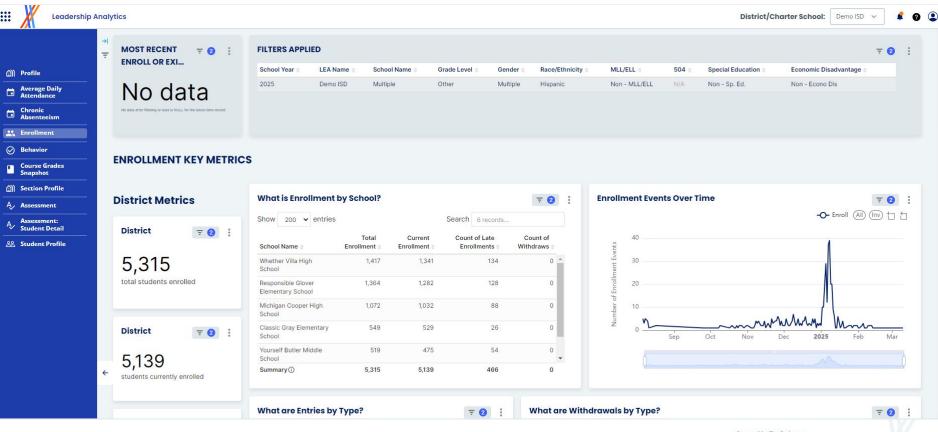


How are attendance rates distributed?



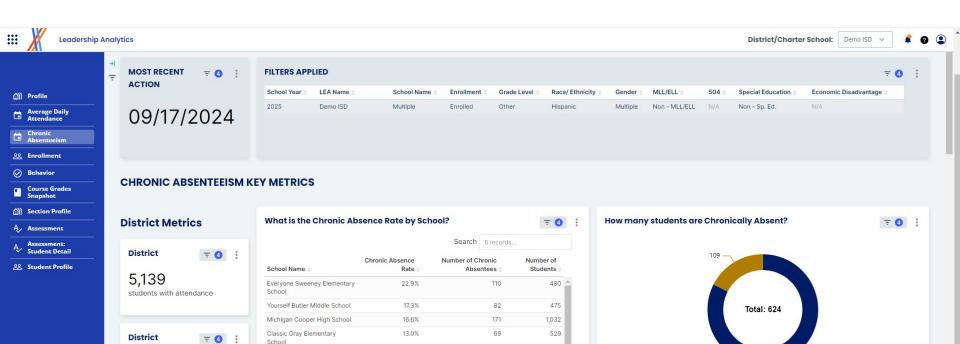
How are absences distributed over time?





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DATA INSIGHTS DRIVEN BY COMMUNITY



130

62

624

1,282

1,341 \*

5,139

10.1%

4.6%

12.1%

What is the Chronic Absence Rate by Day?

12.1%

chronic absence rate

Responsible Glover

Elementary School
Whether Villa High School

Summary ①

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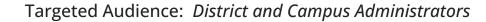
₹ 6

3 - Moderate Chronic Absence 🛑 4 - Severe Chronic Absence (All) (Inv)

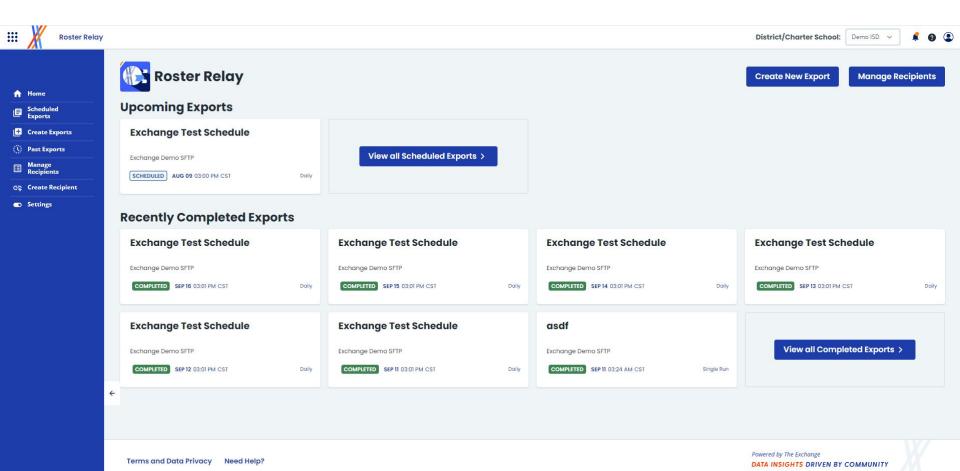
## Roster Relay

- Product Highlights:
  - Enables interoperability of district data through OneRoster technology (API not required)
  - Connect to your vendors through SFTP connections
  - Schedule data to be automatically transferred to the selected vendor when you want
  - 100's of EdTech certified applications available
- Future Enhancement(s):
  - Export data in CSV format
    - Enrollment
    - Courses
    - Students
    - Staff
  - Expand on data transferred via SFTP and CSV









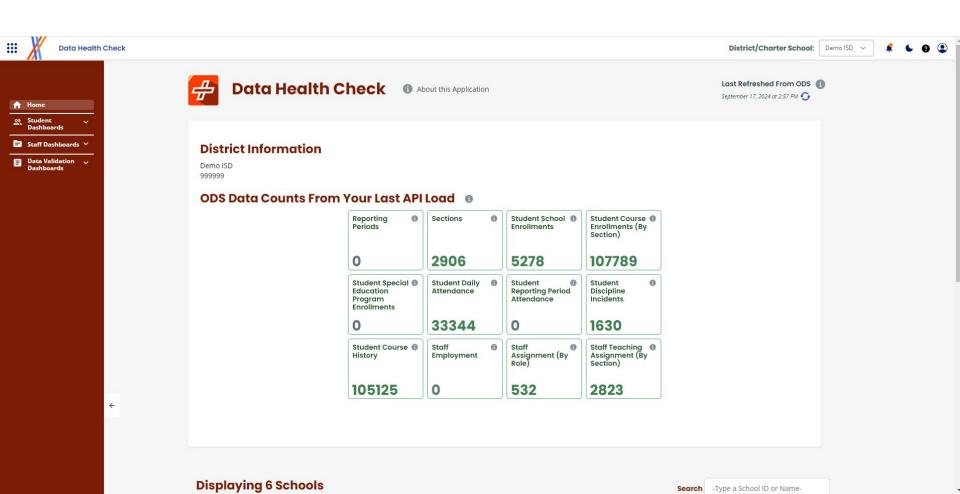
### **Data Health Check**

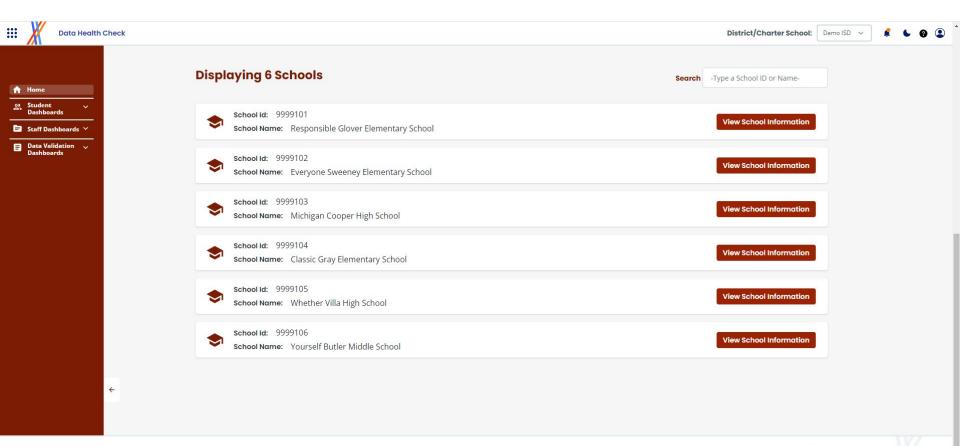
- Product Highlights:
  - View metrics for data loading into The Exchange
  - Verify data completeness
    - Compare 75+ counts and metrics with source systems
  - Get ahead of data errors
    - Run TSDS validations before publishing data to TEAS ODS
- Future Enhancement(s):
  - View metrics for assessments loading into The Exchange
  - View publishing results from The Exchange ODS to TEA's IODS
  - Expanded TSDS validations





















#### **Health Check Report**

#### **District Details**

**Education Organization ID** 

8760032817

State Organization ID 54987362123

**Parent Count** 23.041

**Student Count** 16.789

Course Count 657

#### **Programs**

**Program Name** AVID

Enrolled 653

**Program Name** Reduced Lunch

Enrolled

Global Citizenship

**Program Name** 

Enrolled 354 201

Gifted and Talented

Initiative

-Type a School ID or Name-

1,592 129

Program Science Discovery Camp MS ESL Integration

6,742 133

**Program Name** Digital Media **Production Club** 

Enrolled

ESL Excellence Program STEAM Explorers Club

Nature Conservation Initiative Social Learning Lunches

34 57 Coding and Robotics Financial Literacy

247

Program Visual Arts Intensive

< 1 2 3 4 ... 7 >

287

Environmental STEM Scholars

Program

Sustainability Project

202 65

344 167

**Student Demographics** 

Racial Ethnic Breakdown Hispanic/Latino **Total Students** Asian 3,357 367 6,678 1456 Black - African American American Indian - Alaskan Native 798 245 908 198 Native Hawaiian - Pacific Islander White 5,048 2,322

#### **Displaying 56 Schools**









**View School Information** 

**View School Information** 

## **Tech Console**

- Product Highlights:
  - Grant user access
  - Grant role based access that aligns with TSDS staff classifications
  - Assign application licenses to district users
- Future Enhancement(s):
  - Connect The Exchange to an external ODS
  - Manage multiple databases representing different school years

Targeted Audience: *Technical Administrators* 





## The Exchange

#### **Admin Actions**



Need help? Visit our Knowledge Base or submit a support ticket.

#### **School Years**

Year <b>‡</b>	Ed-Fi Version 🕏	TSDS Version <b>♦</b>	Ed-Fi Status 🕏	Hosting \$	Default Year 🕏	
2024 - 2025	Suite 3 v7.1	2025.1.0	Operational, Populated	Exchange	•	Manage v
2023 - 2024	Suite 3 v6.1	2024.2.0	Operational, Populated	Exchange		Manage v

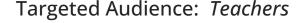
Powered by The Exchange DATA INSIGHTS DRIVEN BY COMMUNITY

# Rally

- Product Highlights:
  - View holistic snapshot of each student, classroom, and grade level
  - Utilize free wellbeing survey with personal, interpersonal, and environmental elements
  - See predictions of where students will score on end-of-year state assessments, modeled on past performance
- Future Enhancement(s):
  - Expanded supported assessments



Rally Video

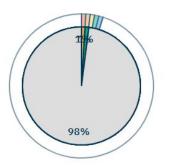




#### at a glance

#### Math

▲ MAP K-2 Winter 22-23 Gr 1 (2 ▼ Students)

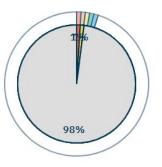


- Blue (High)
- Green (High Average)
- O Yellow (Average)
- Orange (Low Average)
- Red (Low)
- O Not Assessed

outer ring shows district average

#### ELA

MAP K-2 Winter 22-23 Reading Gr 1 (2 Students)



- Blue (High)
- Green (High Average)
- O Yellow (Average)
- Orange (Low Average)
- Red (Low)
- O Not Assessed

outer ring shows district average

#### Well-Being

▲ No Data ▼ Available





(i)

#### at a glance

#### Math

♣ STAAR Interim 2022-12-15

#### View Math Tiers

Subscore

Geometry and Measurement

Computations and Algebraic Relationships

Data Analysis and Personal Financial Literacy

Numerical Representations and Relationships

- Above
- O Near
- Under

Where does this information come from?

**(i)** 

#### ELA

♣ STAAR Interim 2022-12-13

#### View ELA Tiers

Subscore

Reading

Writing

Above

O Near

....

Under

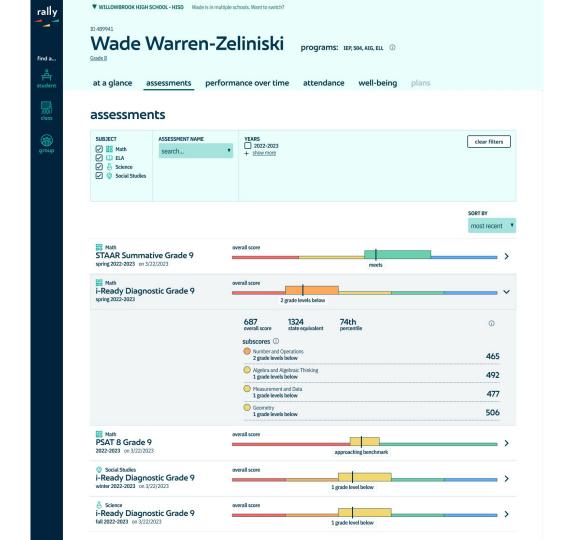
#### Well-Being



This summarizes the number of responses that raise national concern for this student



assets to build on reflect questions answered favorably in-between responses that were neutral check in to learn more shows areas of potential concer-



# **Edvise (for ESCs)**

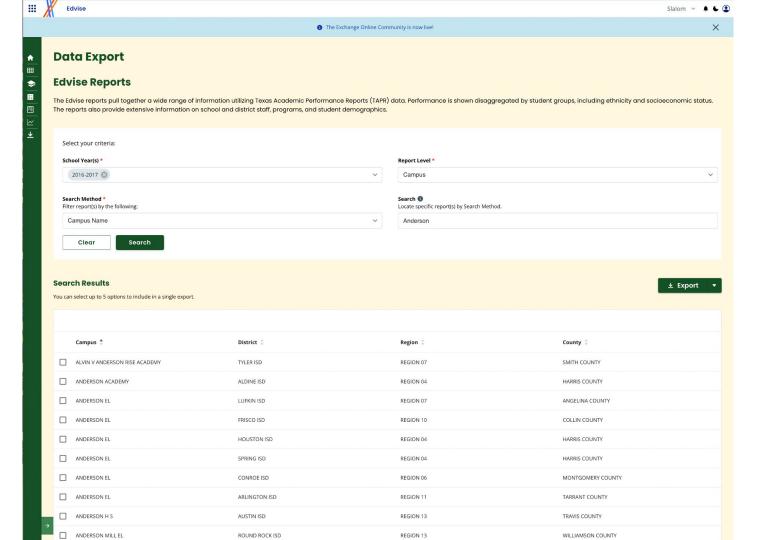
- Product Highlights:
  - Generate custom reports
  - View predictions of where schools will score based on past performance TAPR data
  - Visualize historical data over multiple years through graphs, charts, and interactive visualizations
- Future Enhancement(s):
  - Provide 2023-2024 TAPR data for reporting
  - Searching for grant funding to develop the district version



**Edvise Video** 

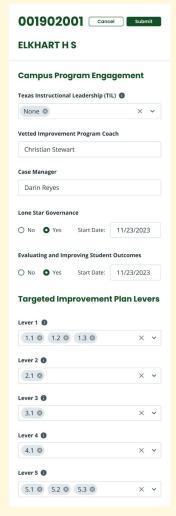
Targeted Audience: ESC Accountability Staff





### **Campus Program Inputs**





# **Questions?**

Contact: information@txedexchange.net



# Want to learn more about The Exchange?

Visit us online and sign up to receive updates txedexchange.net

Watch our introduction video











**DATA INSIGHTS DRIVEN BY COMMUNITY** 

## Resources

- Demo video
- **Website**
- YouTube Channel
- **Flyer**
- Recorded Presentations