

## **ADE LAUNCHES NEW EDUCATION DATA EXCHANGE STATE AGENCY USING ANALYTICS TO EMPOWER SCHOOL AND STUDENT SUCCESS**

**Disclaimer: For visioning purposes only, document may not reflect current state of project**

**(Phoenix, AZ, March 15, 2022)** Today, the Arizona Department of Education launched a new data exchange to streamline the ability to acquire, analyze and access data to support the state educational community. MyADE includes a complete inventory of education data from the local, county and state level and allows users to access a suite of standard analytics templates and create new ones. MyADE increases the state's ability to harness the power of data to realize improved educational outcomes.

The Arizona Department of Education saw the opportunity to be the one true source of education data in Arizona. The State wanted to make data available to all its stakeholders to support improved data driven decision making, operations and service delivery. Previously, there was not a complete inventory of data available at the agency. ADE saw the ability to move from a siloed approach to a collaborative approach in the utilization of data. ADE's goal is to provide stakeholders with the right **access** to the right **data** at the right **time**, in a way that all stakeholders can understand and analyze data both at the programmatic and enterprise levels.

ADE provides a mobile and a web-based application called MyADE to inform parents, educators, school, and local educational agencies' administrators of missing data, redundancies, and required information needed. The application also reports and visualizes data. Each unique type of user has their own view of information. For example, parents can see how their district, school, educators, and children are doing. The full inventory of available data, dashboards and the analytics of the platform engages users. The interaction with all stakeholders improves data quality and their response to ensure strong governance.

"The future of Arizona depends on educating our children. Data is one of our most powerful tools to guide our investments and decision making about how we educate," said Governor Julie Jones. "Today the State of Arizona takes a huge step forward and becomes the national leader in educational data by enhancing our capabilities to acquire, analyze and access data using the new MyADE."

Education stakeholders can access the MyADE at ADE's website. The homepage shows a dashboard of priority data. Users can access as a guest or complete a simple registration if they want to save searches and reporting. The Exchange includes a searchable data catalog with the complete inventory of ADE's data sets. Users can select, access and analyze data sets or run and save reports using 15 pre-built templates. ADE also provides access to data training and support through videos, whitepapers and peer aide.

"Wow! With fingertip access to clean, accurate state level data using the Arizona Exchange, we are able to quickly make data driven decisions to drive best practice, ultimately increasing our students' success," said John McCarthy, Superintendent of the Tucson School District. "The guesswork surrounding 8th grade math proficiency and why some of our subgroups have struggled can now be mitigated by directly comparing subgroups from surrounding districts and

charters. This has given us the ability to partner with Happy Valley Unified, an exemplar district in comparison, and this partnership has driven best practice for our struggling subgroups. Now we can move forward with professional development that we know will make a difference for our struggling students. This work will change the life trajectories for these students. MyADE has been a game changer.”

For more information please visit [www.ade.gov/dataexchange](http://www.ade.gov/dataexchange).

## **ADE FREQUENTLY ASKED QUESTIONS (FAQ)**

### Internal Stakeholder FAQs

1. What are we building and why?  
A data warehouse with the ability to use unstructured data for the purposes of an enterprise view of our data. This would put ADE in position to respond in a flexible manner to new requests and potentially identify new data insights because we are not limited to a structured data query tied to a specific program requirement.
2. How does it work?  
We'd need the ability to add new data sets quickly and securely with traceability so that we knew who should have access and who shouldn't.
3. What is the primary functionality?  
A place to store massive data sets, ability to assure data is in the correct format for the necessary purpose, and pull data in a usable manner to answer questions.
4. Who will own and maintain the solution?  
ADE has the intent to own and maintain the solution. Assuming that we agree on the final architecture, infrastructure and business functionality.
5. How much will it cost to build, operate and maintain?  
ADE does not know at this time.
6. How will ADE conduct a data inventory?  
Data Governance and IT will identify a baseline data inventory including source systems and create an approved ADE process to maintain on a regular basis - (process to be approved by IT Exec Stakeholder Committee).
7. Is this interoperable with state budget and ADM submission requirements?  
ADE will determine which state / program needs are interoperable but the intent is that ADE will have seamless integrations and bi-directionality where it makes sense.
8. Does it contain PII?

Yes. Student Information, Assessments, Demographic data, special education, graduation, program participation and a number of other outcomes tied to an individual. Educator data. School staff and leader data.

9. How is the data stored and secured?

ADE has existing storage and privacy practices. ADEConnect. We'd need an access list by domain that identifies superusers for cross-domain access.

10. How are users trained?

New staff: HR orientation that includes retention and policy requirements - opportunity to create data literacy/usage training. External groups: ADEConnect today, need to determine new processes that don't exist today. Be much more user design friendly / web tutorial and simple to use solutions (power BI).

11. How do users register and access?

Some form of web access point that has a workflow for necessary approvals. Position oriented. Outside authorization - needs to get a Data Governance approval. Role based access.

12. What data is publicly available?

Number of existing already public - <https://www.azed.gov/data/public-data-sets>

13. What reporting templates come standard?

Currently ADE has static reporting capabilities – ADE would like dynamic tables so users can customize their own reports specific to their needs. Examples of needed templates can be found in what is already public.

14. How can I customize to meet specific needs?

A known report should be as customizable as possible. Yet, the flexibility of data allowed (when new fields are added) to be consumed in the new warehouse needs to be balanced with a core technical team with ability to manipulate data in flexible ways all with a governing body that assure ADE expectations and quality standards met.