

Data Modernization Initiative Update

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Goals of the Data Modernization Initiative (DMI)

The goal of DMI is to equip internal and external stakeholders with actionable insight and data for decision-making purposes. We aim to accomplish this through three main priorities:

Redesigned Infrastructure

Design and implement a modern, flexible, scalable, secure data architecture to:

- Streamline data submission and management
- Support efficient provisioning of data products

Deliver user-centered value through improved data submission methods, dynamic access, robust governance and security

Expand Data Offerings

Deliver user-centered value through high-priority data products

More readily available reporting and analysis derived from integrated tri-agency data sets

Increased support for strategic use cases of interest to institutional leaders and other agency partners

Embed Continuous Improvement

Update data usage and sharing agreements to allow desired reporting while maintaining governance and control

Evolve current business processes and website to support new offerings

Establish disciplined product management to keep products relevant, including robust web analytics

Build routines for stakeholder engagement, feedback, and involvement

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DMI and Talent Strong Texas metrics roll out as of 1/25/2023

Q1 2023	Q2	Q3
<ul style="list-style-type: none"> Launch MVP privileged reports with pilot IHE partners (transfer, persistence and graduation) Launch new FADS submission portal for all institutions Internal release of MVP data website incl statewide TST visualizations Complete development on privileged portal reports and secure enclave 	<ul style="list-style-type: none"> Launch privileged reports with select IHE partners (labor market outcomes) Public release of MVP data website incl statewide TST visualizations Launch initial 3 privileged reports with all IHE partners Pilot secure enclave with select partners (TBD) Evaluate focus group feedback on existing data products (Almanac, Accountability System) Complete development of institution-specific dashboards 	<ul style="list-style-type: none"> Launch institution-specific TST metrics dashboards Evaluate data site utilization and adjust road map as needed Complete proof of concept and prioritization for data analytics pipeline Complete data migration

Launch deliverables Supporting work

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Implementation Roadmap Through Q2 2023

	Accomplished to Date	Work in Progress	Planned Work through Apr 2023
Tech & Data Architecture	<ul style="list-style-type: none"> Established technical and production environments for testing and development Launched work to support development of: <ul style="list-style-type: none"> Submission of course and program information Privileged data portal and secure data enclave Initial hiring of DataOps team Planning and creation of data management zones Proof-of-Concept to improve cloud performance Completed onboarding of secure enclave/privileged reports vendor 	<ul style="list-style-type: none"> Fine tune quality assurance and user testing environments Complete development work on secure data portal and initial privileged report products Launch new Financial Aid Data System (FADS) data submission portal for use by pilot institutions submitting reports using the modernized data pipeline Launch initial secure enclave and privileged data reports Continue data migration and pipeline work per roadmap Launch data operations team and develop workplan 	<ul style="list-style-type: none"> Continue stakeholder outreach and feedback based on change management and stakeholder engagement plans Continue training internal team on new cloud components Migrate additional CBM reports to drive development for the data submission portal and additional enhanced data reports
Governance	<ul style="list-style-type: none"> Executed Tri-Agency data sharing agreement and initial research inventory Identified suitable data dictionary solution Launched internal data governance website resource for centralized access to policies and processes Approved agency data suppression policy 	<ul style="list-style-type: none"> Implement agency data suppression policy in data products and pipelines Finalize Tri-Agency Data Work Group 2023 project charter to guide development of Tri-Agency governance structures, policies, and processes based on data sharing agreement Plan and resource implementation of a comprehensive, accessible data dictionary Finalize additional policies for data access and use 	<ul style="list-style-type: none"> Solicit feedback from external stakeholder group(s) on key THECB data offerings (accountability systems, Almanac) Finalize and implement key governance policies and processes (e.g., internal access and use, ad hoc requests)
Communications	<ul style="list-style-type: none"> Launched main agency website, including fully onboarding new agency web developer Completed vendor work on data visualizations for refreshed data site 	<ul style="list-style-type: none"> Prepare for launch of refreshed data site, following launch of agency website Initiate and implement internal change management training, including policy changes Conduct workshop with internal stakeholders to build 2023-24 roadmap Develop consolidated product road maps and resourcing plans for post-GEER work 	<ul style="list-style-type: none"> Launch refreshed agency data website utilizing new UI/UX design, including initial dashboards Refine consolidated architecture and migration plan for all agency websites

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Questions?

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