

**RISE**<sup>NM</sup>

*Research Informing Success in Education*

# RISE NM: New Mexico's Longitudinal Data System

## Project Summary



# Overview

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1. Project Overview: RISE NM Mission and Vision
2. Key Stakeholders
3. Partners
4. Data Sources, Pipeline, and Privacy
5. Research Process and Questions
6. Upcoming Priorities





# Project Overview

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## **Mission**

RISE NM's mission is to expand the accessibility and usability of statewide educational and workforce cross-agency data. This tool will help drive informed decision- and policy-making that produces positive impacts to the education and workforce outcomes while protecting individual privacy and confidentiality.

## **Vision**

RISE NM will be a resource for reliable statewide, cross-agency data and reports that guide decisions and policies that prepare and drive sustainable educational decisions and emerging workforce needs.





# Key Stakeholders

## Decision-Making Groups and Key Stakeholders

### Decision-Making Groups

- Office of the Governor
- Executive Leadership: Cabinet Secretaries and Chief Information Officers (CIOs)
- Project Steering Committee (PSC)
- Data Governance Advisory Council (DGAC)

### Key Stakeholders

- State Leaders
- State and Local Education Agencies
- Educators
- Workforce Developers
- Early Childhood Practitioners
- Internal and External Researchers
- Policymakers
- Public



# Partners

## Technical Partners



carahsoft.



## State Partners

NEW MEXICO  
HIGHER EDUCATION  
DEPARTMENT

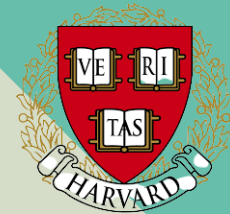


*Fostering Student Success from Cradle to Career*



## Policy Partners

BILL & MELINDA  
GATES *foundation*





# Data Sources

Agency	Data System
Early Childhood Education and Care Department (ECECD)	Early Childhood Observation Tool (ECOT)
ECECD	Enterprise Provider Information and Constituent Services (EPICS)
Public Education Department (PED)	Professional Licensure System
PED	Student Teacher Accountability Reporting System (STARS)
Higher Education Department (HED)	Electronic Data Editing and Reporting (eDEAR) System
HED	Literacy, Adult and Community Education System (LACES)
HED	National Student Clearinghouse
Division of Vocational Rehabilitation (DVR)	Case Management System (CMS)
Department of Workforce Solutions (DWS)	New Mexico Workforce Connection
DWS	Unemployment Insurance Tax and Claims System (UI Tax and Claims)



# Data Pipeline

## Implement Data Lake

Repository of data stored in its raw format

1

## Data Ingestion

Data is ingested into NMLDS from ten data source systems across five agencies

2

## Tamr Installation and MUID Creation

Create Master Unique Identifier (MUID) for records found across various data sources

3

## Implement Data Warehouse

Repository of data that will be used to create data analysis and visualizations

4

## Create Data Analysis and Visualizations

Data analysis and visualizations will help inform programmatic and policy decision-making

5



# Data Confidentiality and Privacy

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## Data Privacy and Security

- Master Unique Identifier (MUID) through Tamr to protect Personally Identifiable Information (PII)
- Data warehouse and visualizations without PII
- Trend-based visualizations and reporting
- Range of cloud services to support security, governance, and oversight
- IT best practices for secure and automated processes with minimal human involvement





# Research Process

## Conducted Phase I of Stakeholder Engagement

Solicited feedback from various stakeholders in what they want to see in NMLDS and compiled requirements

## Prioritized Research Questions

Developed descriptive, longitudinal research questions for the first iteration of NMLDS visualizations informed by alignment between stakeholder feedback and SLDS research agendas

## Continue to Refine Research Language and Data Elements

Working with representatives from the state agencies to continue to understand data nuances and availability

1

2

3

4

5

## Analyzed and Aligned with Other Statewide Research Agendas

Compared initial stakeholder engagement feedback with Statewide Longitudinal Data Systems (SLDS) research agendas

## Met with Partner Agency Representatives

Discussed research questions, proposed visualizations, and proposed data elements with programmatic representatives at the five state agencies



# Examples of Research Questions

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1. How do measures of **school readiness** vary by early childhood programming factors and demographics?
2. How do measures of **college and career readiness** vary by demographics, district, and locale?
3. How do **employment metrics** vary by demographic characteristics, workforce area, educational attainment level, and study program?

# What's to come for RISE NM in Phase II?

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1. Infrastructure Enhancements
2. Internal State Research
3. Access for External Researchers
  - Data Request Portal
4. New Research Questions
5. New Data Sources





# Contact Us!

[rise.nm.gov](https://rise.nm.gov)

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