B-3 Interagency Council

Government Data Analytics Center & Educational Longitudinal Data System Overview

Carol Burroughs
Analytics Director/GDAC Assistant Director

Jackie Keener
Analytics Assistant Director

State of North Carolina

December 12, 2019
GDAC/Data Division/Chief Data Office

Vision – A trusted partner and leader for enabling the sharing and analysis of data assets

Mission – Transform data into information to facilitate decision support, increase operational efficiencies, and improve outcomes for the citizens of North Carolina by integrating and sharing data assets

Who we are...
- Analytics Solutions Development
- Center for Geographic Information & Analysis (CGIA)
- Health Information Exchange Authority (HIEA)
- Enterprise Data Management (EDM)
- Production Services
- Innovation

What we do...
- Transform data into knowledge to support informed decision-making
- Identify and integrate data assets to improve citizen interactions and overall experience
- Increase operational efficiencies and outcomes through data sharing and use of data analytics

Who we collaborate with...
- Any/all State Agencies as needed/required
- Criminal Justice Community
- Healthcare Community
- Financial Community
- Education Community
- County/Local Government
- Vendor Partners
- ESRMO/Enterprise Strategy
The State Chief Information Officer shall ensure that State agencies use the GDAC for collecting, organizing, sharing, and analyzing data through integrated process for informed decision making.

Authority § 143B-1385

- The State Chief Information Officer shall ensure that State agencies use the GDAC for collecting, organizing, sharing, and analyzing data through integrated process for informed decision making.

Authority § 116E

- ELDS Established. System must contain individual-level student data and workforce data from all levels of education and the State’s workforce system.
GDAC Approach

Challenges and Opportunities

Data Management

Partner and Share

Analytics
GDAC Organizational Focus

Enterprise Data Governance

Enterprise Data Management

Enterprise Entity Resolution

Enterprise Geospatial

Analytics and Visualizations

Criminal Justice and Child Safety
Financial Transparency, Fraud and Compliance
Longitudinal and Performance
Healthcare

Incorporate data, information, knowledge across areas of focus
NC Educational Longitudinal Data System (ELDS)

Partnership

• G.S. Chapter 116 E (2012, 2016)
  • Rules – Ready for Submission
  • Contributor MOU – Ready for Signature

• Governor's Education Cabinet - Work group
  • Rules and Governance (MOU) development
  • ELDS Interoperability Modernization Study – April 2020
Longitudinal Collaborative Projects

Operational Systems

• Early Childhood Integrated Data System (ECIDS) – Integrates selected early childhood education, health, and social services program data

• NC SchoolWorks (P20W) – Integrates education and workforce (employment) data

• CFS – Integrates publicly supported education, employment and training program data
Current Activities
Operational Systems and Modernization

• NC ELDS Study
• ECIDS Reporting and Visualizations
• Collaborative Research Agenda
• Enterprise Entity Resolution (EER)
• ELDS Data Catalog

• Federal Grant Funding Opportunities
  • US DOL - Workforce Data Quality Initiative Grant
  • US DOE - Preschool Development Grant
  • US DOE - State Longitudinal Data System Grant
NC ELDS Study

Deliverables

• Current State of NC ELDS (existing components)
• Summary of States’ Longitudinal Approaches
• Summary of ELDS Expectations
• Interoperability ELDS Modernization Recommendations
  • Data Governance
  • Phase Implementation
  • Sustainability

• Completion Date – April 2020
NC ELDS

Partner’s Next Steps

• Develop an ELDS Modernization Plan
  • Data Governance
  • Infrastructure Integration
  • Implementation Timeline
  • Budget Recommendations