REVENUE AND FISCAL AFFAIRS
BOARD MEETING
JANUARY 25, 2024

SOUTH CAROLINA REVENUE AND FISCAL AFFAIRS OFFICE
Transforming data into solutions for South Carolina

ADOPTION OF MINUTES

EMPLOYEE SERVICE AWARDS

Employee Service Awards
Years of Service

5 Years of Service
- Michael Reynolds   Endpoint Technician

  Compliance, Communications, and Technology

10 Years of Service
- Brandon Shealy   IT Services Specialist

  Compliance, Communications, and Technology

20 Years of Service
- Chris Finney   Statistics Section Manager
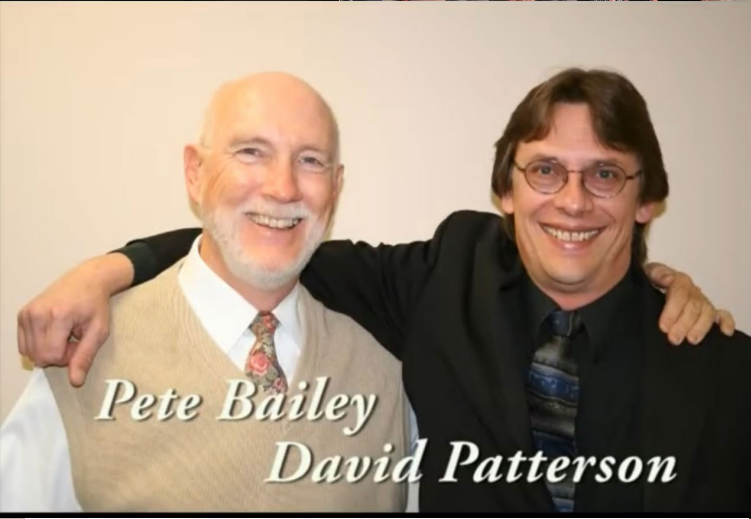
  Data Integration and Analysis

EMPLOYEE SERVICE AWARDS
RETIREMENT

Dr. David Patterson – Division Director, Data Integration and Analysis

- Started with SC state government in 1998 as a Statistician on the DSS project at RFA (formerly Budget & Control Bd.)
- Prior to his employment with the state, he served on the faculty of Southern Methodist University and as a Research Associate with the National Centers for Disease Control and Prevention.
- Promoted to the Director of Data Integration and Analysis in 2008
- Served as South Carolina's Health Information Technology Coordinator from 2009 until 2014.
- Received a 2010 "Bright Ideas" Award from the Harvard Kennedy School, Ash Institute for the Innovations in American Government Award in response to a solicitation from the Institute.
- Presented on the SC Integrated Data System (IDS) in states nationwide (including Mississippi, Oregon, Wisconsin, New Jersey, Florida, and Georgia), the National Association of State Budget Officers, National Governor's Association Roundtable, and the Georgia Joint Study Committee.
- Provided guidance to the US Department of Education for school districts interested in participating in and IDS.
- Invited by the Engelberg Center for Health Care Reform at the Brookings Institute to speak at a conference "Making *Enhanced Use* of Health Information" in Washington D.C.
- Interviewed by Actionable Intelligence for Social Policy for a Case Study on South Carolina's Integrated Data System.

Retirement
Dr. David Patterson

Pete Bailey
David Patterson
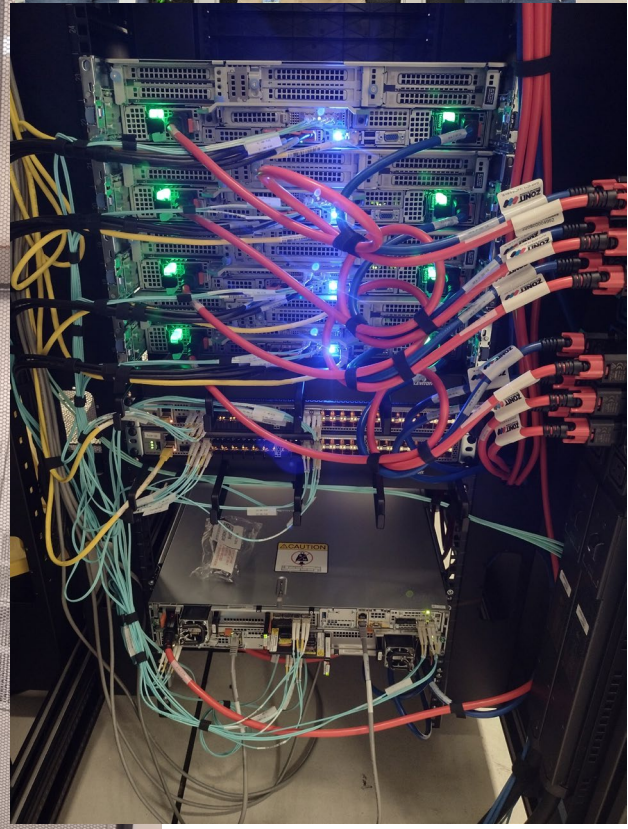
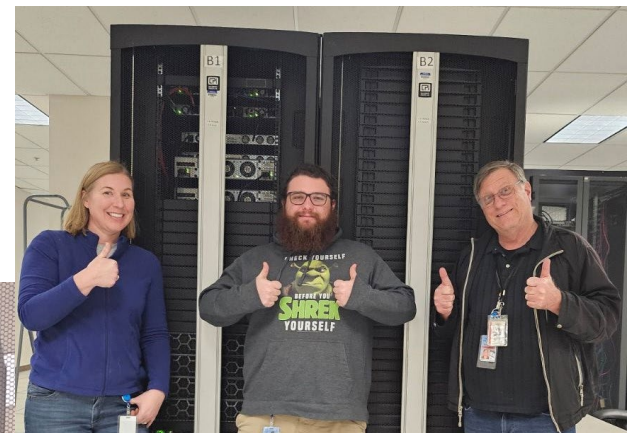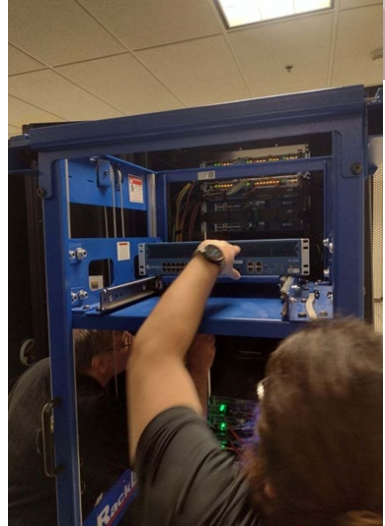# AGENCY UPDATES
INFORMATION TECHNOLOGY

INFORMATION TECHNOLOGY
INFRASTRUCTURE REFRESH PROJECT

In early 2023, the IT section began planning for a multistage Infrastructure Refresh Project.

- Goals of the project
  - Replace outdated equipment in the production and disaster recovery (DR) environments
  - Enhance network performance
  - Move to a more secure and stable data center located within the Department of Administration (DOA)
  - Expand the DR environment's capacity
  - Create a ransomware-resistant immutable backup repository

- Phase 1 of the Infrastructure Refresh Project, which included production equipment replacement and the move to the DOA data center, was completed in December 2023.

- Phase 2, which includes the update and expansion of the DR environment and the implementation of the immutable backup repository, is scheduled to be completed in FY 2024-25.

INFORMATION TECHNOLOGY INFRASTRUCTURE REFRESH PROJECT

AGENCY UPDATES
DATA INTEGRATION AND ANALYSIS

DATA INTEGRATION AND ANALYSIS
FTC DATA REQUEST

- The Federal Trade Commission (FTC) issued the SC Data Oversight Council a Civil Investigative Demand in October 2023. The subject of the investigation was Novant Health's proposed acquisition of certain assets from Community Health Systems, Incorporated.

- The FTC requested inpatient, emergency department, ambulatory surgery, imaging, and other outpatient hospital and freestanding center data to use in the investigation.

- There was no objection from the Data Oversight Council to supply the data to the FTC.

- **RFA Role** - Complied with the Demand by compiling and submitting over 17 million records spanning four years to the FTC in November 2023.

DATA INTEGRATION AND ANALYSIS
Four State Disability and Health Collaborative

- A study by a Medicaid Disability Data Analysis Collaborative, consisting of state partners (SC, NY, MA, KS), the Centers for Disease Control (CDC), and Prevention National Center on Birth Defects and Developmental Disabilities. The purpose of the study is to describe psychiatric conditions, health conditions, and service utilization among people with intellectual and developmental disabilities (IDD) compared to people with mental illness and the general population. This study is part of a CDC-funded Prevention Research Center Special Interest Project.

- **RFA Role** – RFA led the data linkages and analysis looking at outcomes related to the use of hospital inpatient, emergency department, outpatient services, and pharmacy services. The SC Integrated Data System was key in the identification and service utilization of the IDD population and comparisons to the population and those with mental illness.

DATA INTEGRATION AND ANALYSIS
SOUTH CAROLINA NURSE-FAMILY PARTNERSHIP STUDY

- The South Carolina Department of Health and Human Services led an innovative expansion of the Nurse-Family Partnership home visiting services (a landmark evaluation of the effects of a large-scale nurse home visiting program for mothers and their children) between 2016 and 2020 to scale services statewide and learn about the program's impacts.

- **RFA Role** – Linked data from the South Carolina Integrated Data System (IDS) and provided to Abdul Latif Jameel Poverty Action Lab (J-PAL) to track a wide range of outcomes related to families' health and well-being over many decades.

DATA INTEGRATION AND ANALYSIS
South Carolina Center of Excellence in Addiction

Proviso 37.7 of the 2023-24 Appropriations Act: (DAODAS: South Carolina Center of Excellence in Addiction) The Department of Alcohol and Other Drug Abuse Services, the Department of Health and Environmental Control, Clemson University, the Medical University of South Carolina, and the University of South Carolina shall establish a center of excellence to combine and more efficiently deploy research, training, program implementation, and direct service resources to address addiction statewide.

- The Center for Excellence will create and deploy a statewide Opioid Use Disorder Cascade of Care to measure healthcare system performance in identifying individuals with Opioid Use Disorder (OUD) and successfully engaging and retaining them in treatment for their condition.

- Four key domains of health system management will be assessed:
  - identification of patients with OUD
  - engagement in treatment
  - initiation of medication for OUD
  - recovery and retention in treatment for clinically meaningful periods of time

- **RFA Role:** Leverage the Integrated Data System to link Medicaid, DAODAS, inpatient, and emergency department data to obtain an accurate and comprehensive picture of opioid diagnosis and treatment.

DATA INTEGRATION AND ANALYSIS
PRESENTATIONS AND PUBLICATIONS

- Presented the research capabilities and security/privacy standards of the SC Integrated Data System (IDS) and the services provided by DIA to:
  - 2023 South Carolina Information Technology Directors Association Fall Conference
  - Clemson University School of Health Research
  - SC Department of Public Safety

  Note: The IDS is leveraged by researchers and other professionals in grant applications and other funding opportunities.

- Authored "People, Process, and Policy: Data Integration for System Change", a chapter of the collective work *Early Childhood Research for Educational Equity: Family-School-Systems Connections,* scheduled to be published in March 2024.

- One of three states featured as a success story by Public Health Informatics Institute (PHII) for the use of child and adolescent mental health (CAMH) data to measure and improve child and adolescent health and well-being.
  https://phii.org/camh-resources/camh-user-stories/

AGENCY UPDATES
COLLABORATIVE PROJECT

COLLABORATION WITH THE USC UPSTATE
ASSISTING GRADUATE STUDENTS

- University of South Carolina (USC) Upstate requested public data from the Local Government Finance Reports for graduate students of the Business Analytics Program to use in a project.

- Four groups of students analyzed the data and developed visual dashboards in Power BI, an interactive data visualization software product with a primary focus on business intelligence.

- The Director of Business Analytics invited RFA staff to virtually view the presentations via Teams, stating it would mean a lot to the students to have the "customer" review and provide feedback.

- Several staff members attended the presentations, during which they asked questions and provided feedback to the teams.

- Staff provided formal feedback following the presentations that was used in the evaluation of the students' grades.

OTHER ITEMS FOR DISCUSSION

THANK YOU