



Office of Data Analysis and Strategy

YEAR IN REVIEW

2022

CONTENT

- 3 From the Director
- 4 Metrics & Assessment
- 6 Completed Projects
- 10 Presentations & Publications
- 14 Our Team

FROM THE DIRECTOR

It is with great pleasure that the Office of Data Analysis and Strategy presents its fourth edition of the *Year in Review*. This year our team continues a remarkable journey in our commitment to supporting educational analytics and process improvement at Brody School of Medicine.

Our progress continues in developing our education data warehouse as more data sources are integrated. We are becoming proficient in various tools we use daily, allowing us to provide faster and better solutions. We proudly showcased our work and shared our expertise in conferences and meetings. Our team presented at about eight different events, allowing us to reaffirm the significance of our efforts, teamwork, and strengthening our partnerships with BSOM, ECU, and other medical schools nationally.

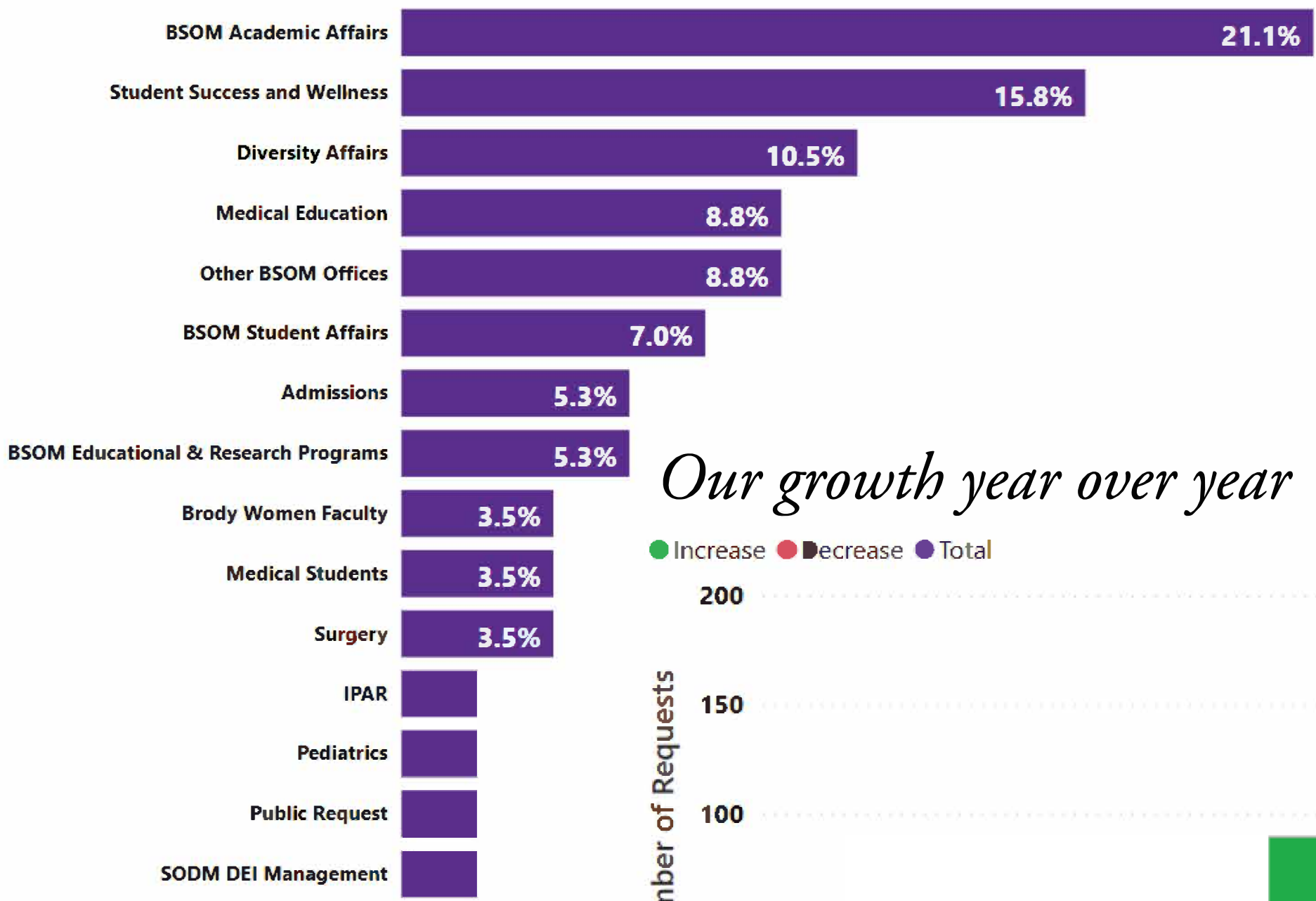
The ODAS Effectiveness Survey was conducted and distributed to our customers for the first time. The majority of respondents highly rated our team in various aspects and provided positive feedback in their comments. These responses give assurance that we are fulfilling our mission and following our core values.

In closing, I extend my gratitude to our customers for allowing our team to work with you, to administrators and staff across various departments for their support and dedication, and to our great ODAS staff for their hard work and commitment. I invite you to explore the following pages, which will provide a comprehensive view of ODAS achievements in 2022-2023.

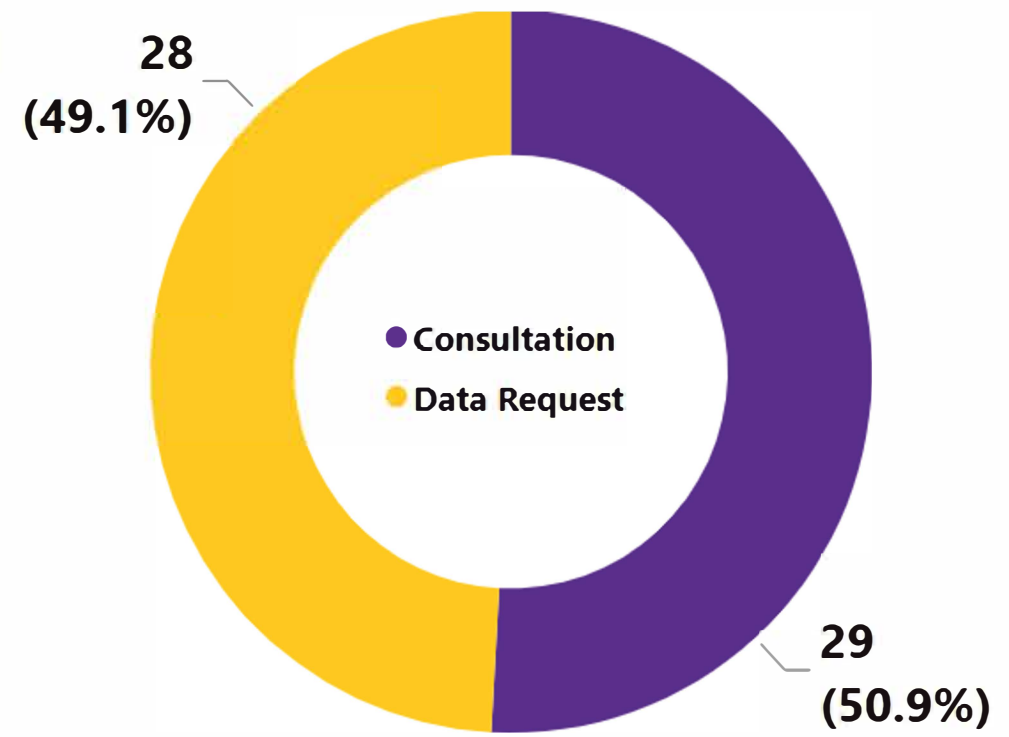
Jhojana Infante Linares

METRICS & ASSESSMENT

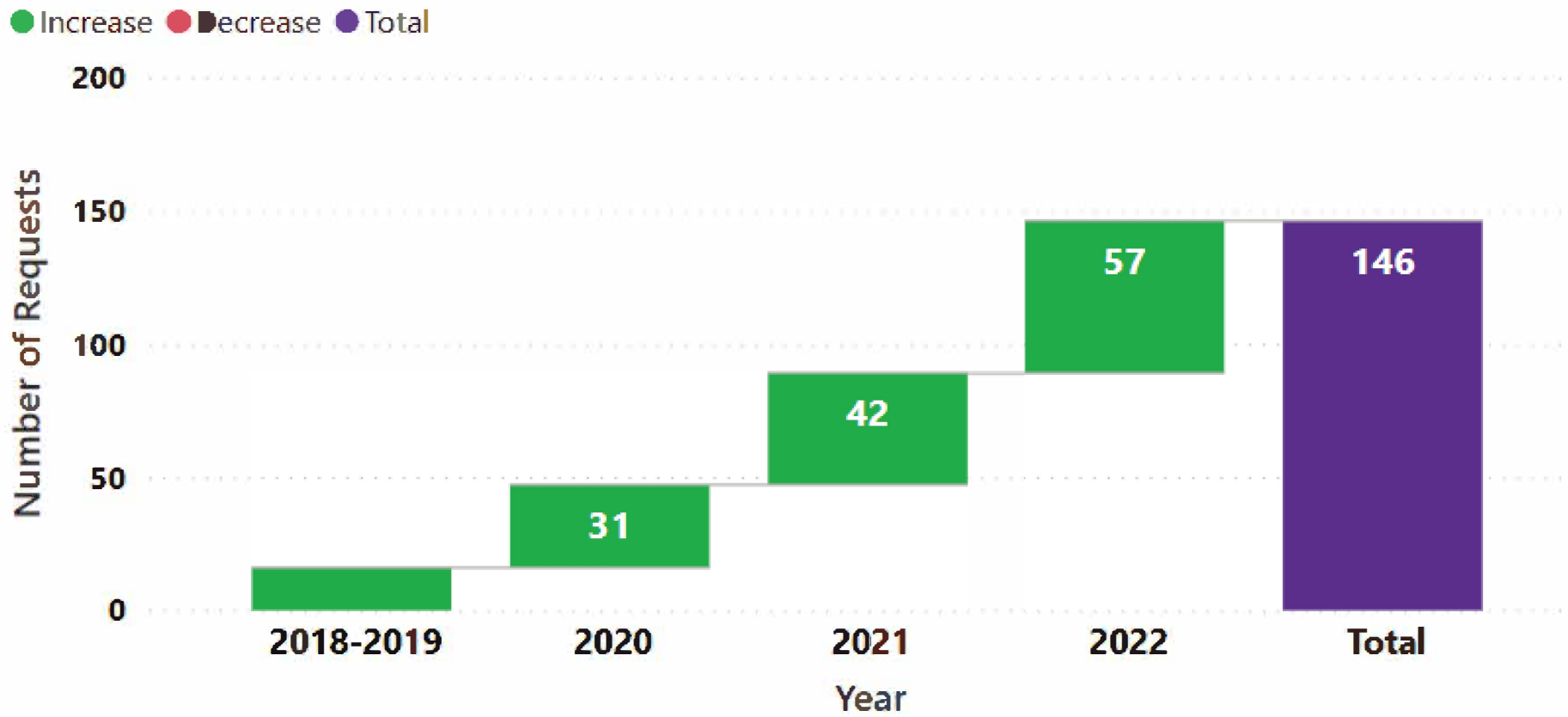
Who did we work with?



Type of requests we received



Our growth year over year



METRICS & ASSESSMENT

2022-2023 ODAS Effectiveness Survey

Professionalism

4.82 / 5.00



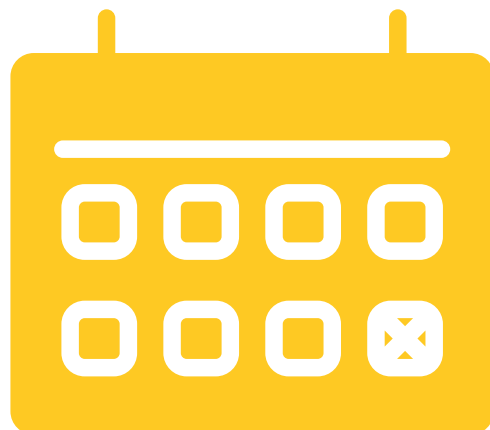
Responsiveness

4.76 / 5.00



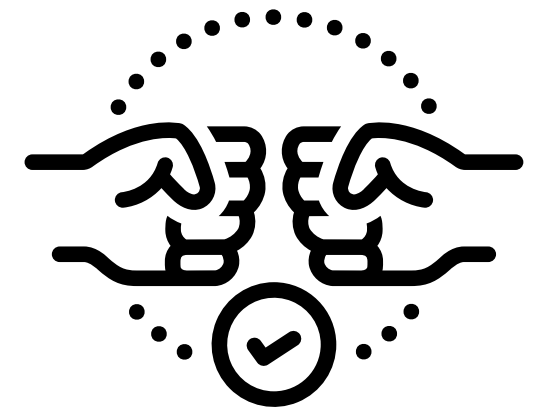
Timeliness

4.76 / 5.00



Commitment

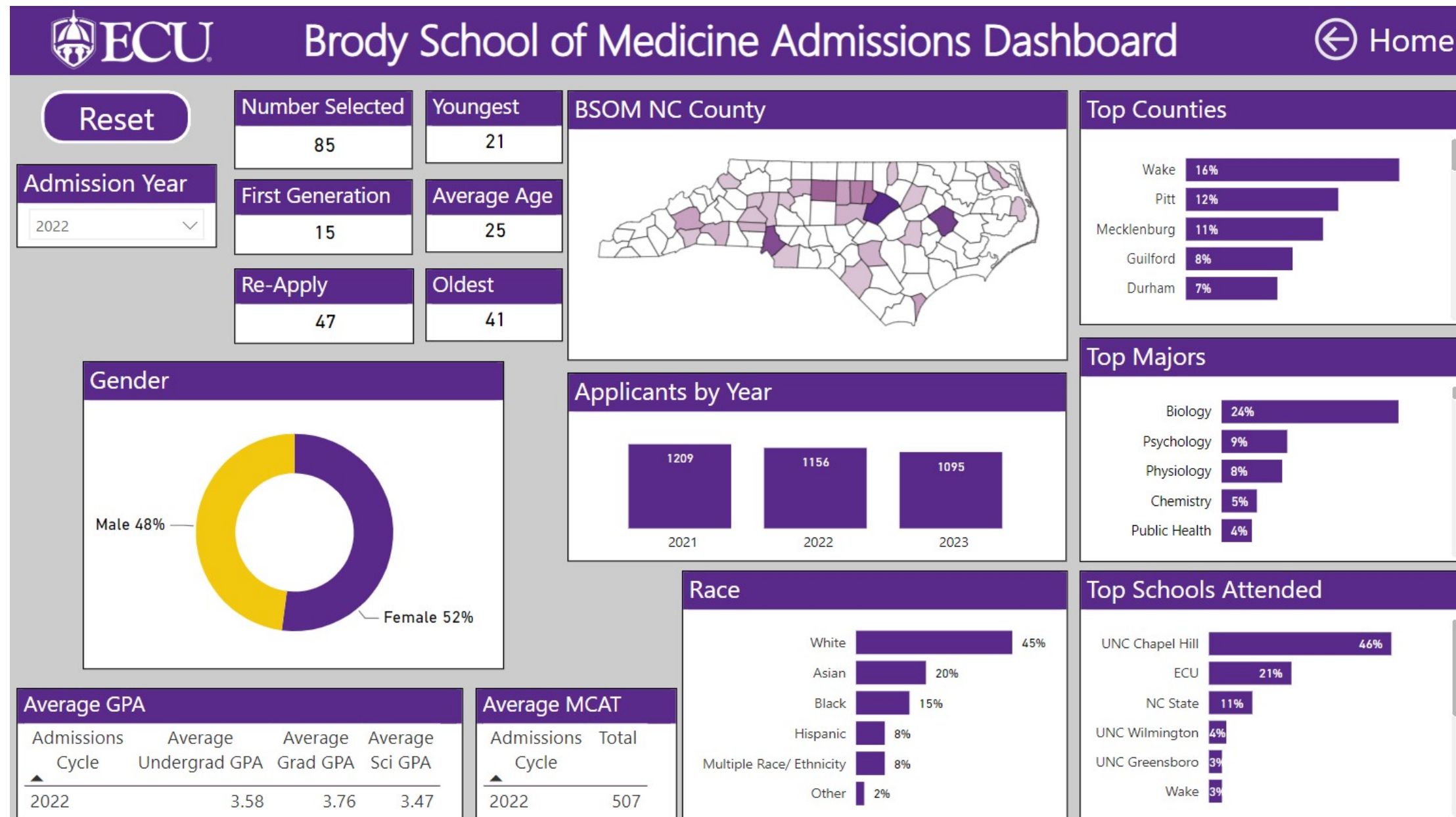
4.71 / 5.00



COMPLETED PROJECTS

Admissions student profile visualization

Transform a static report generated by BSOM Office of Admissions to a dynamic visualization to present aggregated data on incoming classes to the medical program (MD). The report is posted on BSOM Office of Admissions website.



COMPLETED PROJECTS

BSOM faculty diversity snapshots

Modify the previous format of the Faculty Diversity Report into a dashboard-like report to facilitate access and distribution to Department Chairs. The dashboard includes department-specific metrics in race/ethnicity and sex of faculty, comparison to AAMC medical schools, BSOM, and the eastern North Carolina population.

CBSE scores analysis and reporting

Analyze CBSE performance for progression testing, comparison to previous years, and student performance across exam topics. Update reporting dashboard and provide necessary information for formal presentation to students.

Distinction Tracks Quarterly Reporting

Collect reporting requirements and reporting needs conducted across Distinction Tracks. Prototype reporting metrics from data collected via REDCap project.

Foundational Internal Assessment Report

Generate a report for Academic Affairs Deans to review student performance in exams and quizzes. Report to substitute spreadsheet generated and distributed since 2019.

COMPLETED PROJECTS

Mentoring Advice Program Mentee Pre & Post Survey Dashboard

Review pre and post-program surveys distributed to mentees via Qualtrics. Develop a dashboard to present survey results by cohort and longitudinal program reviews.

Professionalism and Community Standards Reporting Process

Develop reporting workflow and collection form via REDCap to accompany the Professionalism and Community Standards policy.

Residency Application Status and Reporting

Convert historical hard copy, on-site “Black Binder” into a dynamic dashboard. Report to compile un-identifiable Step 1 and Step 2 student performance, residency interview status data collected internally, Texas STAR, and BSOM match results.

Summative OSCE Analysis and Reporting

Analyze student performance in Summative OSCE (institutional replacement for Step 2 CS) and report to present student results and compare performance by case to previous years.

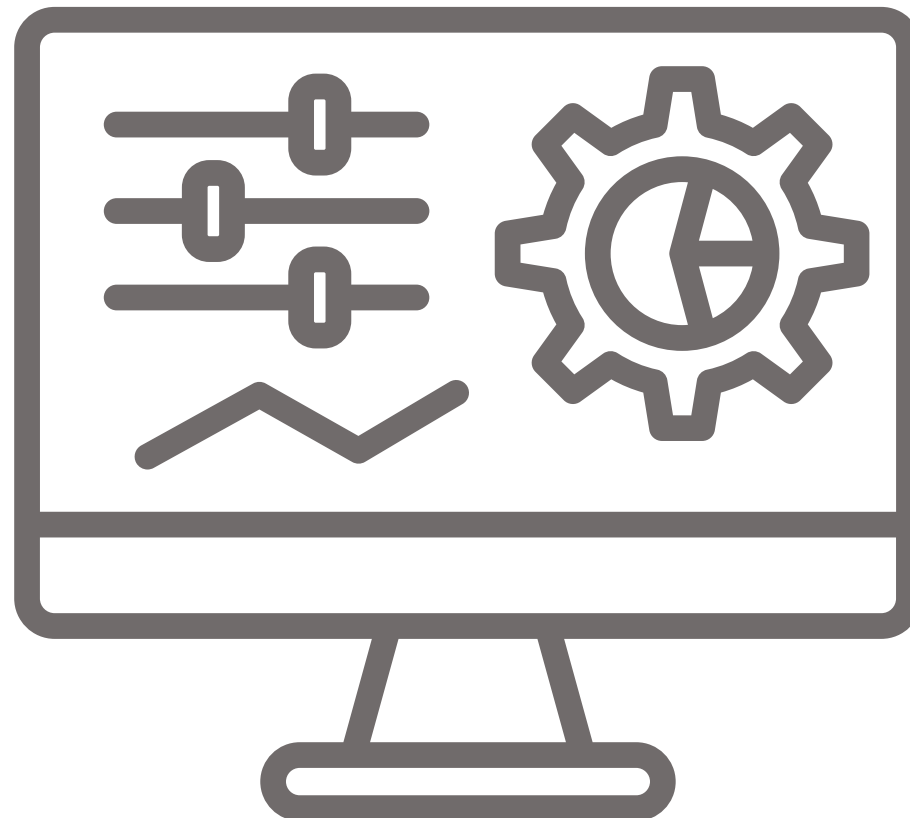
COMPLETED PROJECTS

Updates to NBME Results Dashboard

Create better ways to extract, load and transform NBME score to facilitate reporting across years. Update dashboard to standardize reporting across subject.

USMLE Scores Data Clean-Up

Conduct data quality checks on USMLE Step scores stored in the educational data warehouse, identify inconsistencies, perform data clean-up, and identify methods to help with future data imports.



PRESENTATIONS & PUBLICATIONS

Medical residency process outcomes reporting

ECU Analytics Development Community, June 2022

Presenter(s): Jedediah Smith

What is data analytics? Types, uses, and examples

Duke Center for Health Informatics - Informatics Research Series, November 2022

Presenter(s): Jhojana Infante Linares

Improving resource awareness and creating a supporting environment via a faculty mentoring program (Poster)

2022 Learn Serve Lead - The AAMC Annual Meeting, November 2022

Presenter / Collaborator(s): Allison Flowers / Jhojana Infante Linares, Otto Rehfeld

Using residency application data to support career advising and the residency application decision-making process

2022 IT in Academic Medicine Digital Demonstration Virtual Conference, December 2022

Presenter(s): Jhojana Infante Linares, Jedediah Smith

PRESENTATIONS & PUBLICATIONS

Student Body Profiles: Who are the students in our incoming class?

2022 IT in Academic Medicine Digital Demonstration Virtual Conference, December 2022

Presenter(s): Jhojana Infante Linares

From Analog to Digital: Case Study on Improving Data Collection and Reporting Processes

2023 ECU Love Data Week, February 2023

Presenter(s): Jhojana Infante Linares, Jedediah Smith

Are we talking about the same thing? How developing and using a data dictionary improves your data ecosystem

2023 ECU Love Data Week, February 2023

Presenter(s): Jedediah Smith

"Where everybody knows your name": Redefining workplace culture and space post-pandemic

2023 Information Technology in Academic Medicine Conference, June 2023

Presenter(s): Pauline Becker (Stanford Medicine), Gia DiGiacobbe (Kaiser Permanente School of Medicine), Laurie Gelles (University of Vermont Larner College of Medicine), Jhojana Infante Linares (ECU Brody School of Medicine), Dina Kurzweil (Uniformed Services University of the Health Sciences), Angel Meza (UC Irvine School of Medicine)

PRESENTATIONS & PUBLICATIONS

REDCap Data Processes: The swiss army knife in your data team's toolbox (Poster)

2023 Information Technology in Academic Medicine Conference, June 2023

Presenter(s): Jedediah Smith, Jhojana Infante Linares



Resource-scarce or small offices: Challenges faced, strategies used, our impact

2023 Information Technology in Academic Medicine Conference, June 2023

Presenter(s): Michael Champion (University of Washington School of Medicine), Zahra Dabzadeh (UC Irvine School of Medicine), Jhojana Infante Linares (ECU Brody School of Medicine), Jedediah Smith (ECU Brody School of Medicine), Christen White (University of Washington School of Medicine)

PRESENTATIONS & PUBLICATIONS

DEI Data: What now? What next? What else?

2023 Information Technology in Academic Medicine Conference, June 2023

Presenter(s): Michael Campion (University of Washington School of Medicine), Jhojana Infante Linares (ECU Brody School of Medicine), Jedediah Smith (ECU Brody School of Medicine), Courtney Terry (Rutgers NJ Medical School), Julie Youm (UC Irvine School of Medicine)

Data management for research

2022-2023 Mentoring Research Group (Brody School of Medicine), June 2023

Presenter(s): Jhojana Infante Linares

Data standards for systems interoperability

Infographic developed by MedBiquitous Community Action Planning (CAP) Data Standards Workgroup

Collaborator(s): Jedediah Smith

Campbell KM, Tumin D, Linares JL, Porterfield L, Kisel T. [Changing Missions of Medical Schools and Trends in Medical Student Diversity](#). *Fam Med*. 2023;55(7):481-484.

<https://doi.org/10.22454/FamMed.2023.928475>.

OUR TEAM

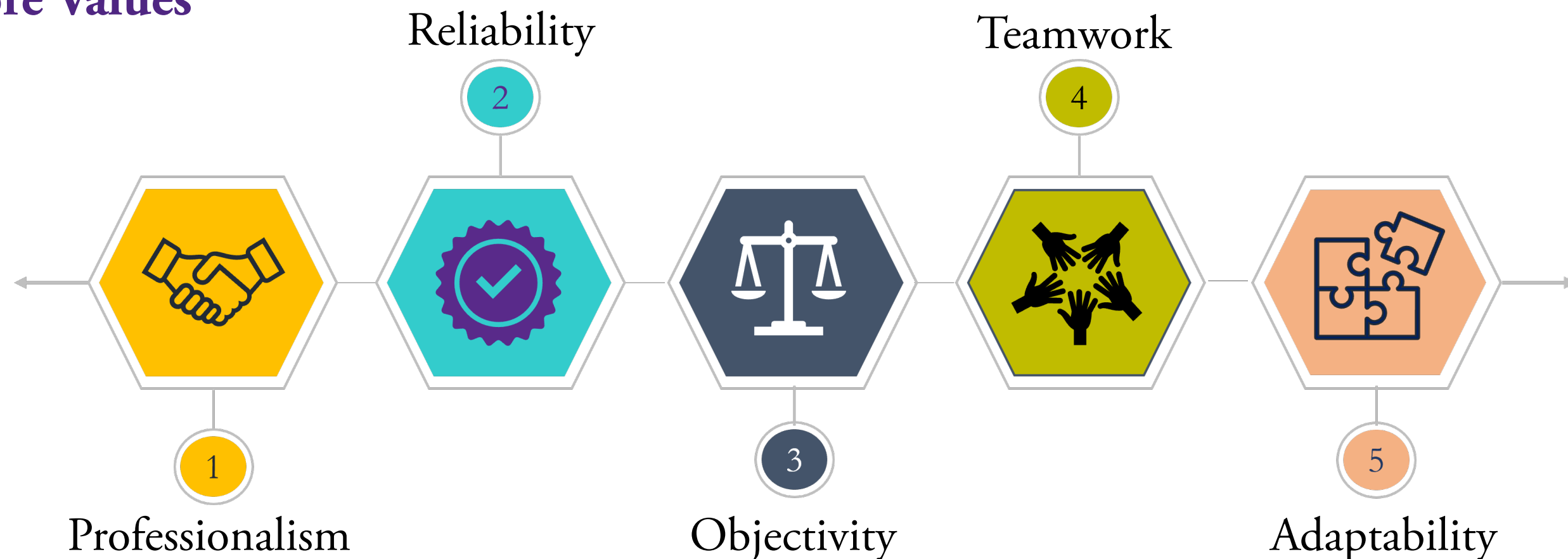
Our Mission

To provide insightful knowledge and information to support decision making, quality improvement, data management and educational strategies at Brody School of Medicine.

Our Vision

Proactively deliver innovative and data-centric solutions to support the School's mission and impact medical education communities in eastern North Carolina and beyond.

Core Values



OUR TEAM



Jhojana Infante Linares, Director

Mrs. Infante Linares has experience in data management, reporting, and analysis in various industries including higher education. In her current role, she supports the Brody School of Medicine in the development of an educational data warehouse and providing tools for data-driven decision-making and continuous process improvement.

Memberships: Association of Institutional Research, AAMC Group on Information Technology, AAMC Group on Educational Affairs, EDUCAUSE



Jedediah Smith, Data Analyst

Mr. Smith has worked with educational data sets and technologies throughout his two decades of experience in public education. His current role is to assist the Brody School of Medicine in the analysis and visualization of data, mainly focused on supporting internal and external stakeholder with reporting, data management, and communication on educational outcomes.

Memberships: Association of Institutional Research, AAMC Group on Information Technology, AAMC Group on Educational Affairs, AAMC MedBiquitous (CAP Data Standards Workgroup), EDUCAUSE



Lennen Madere, Data Processing Analyst

Mr. Madere is a recent graduate from the University of Alabama in Huntsville with a Bachelors of Science in Computer Science (concentration in Data Analytics) and Bachelor of Science in Astrophysics and Astronomy. He has recently begun his career in data analytics and has several years of IT experience. In his role, he designs data collection systems and databases, and supports reporting.

Memberships: AAMC Group on Information Technology

YEAR IN REVIEW

2022

**Office of Data Analysis and Strategy
BSOM Department of Academic Affairs**

**600 Moyer Boulevard
Greenville, NC 27834**

odas@ecu.edu

medicine.ecu.edu/data-analysis-strategy/