



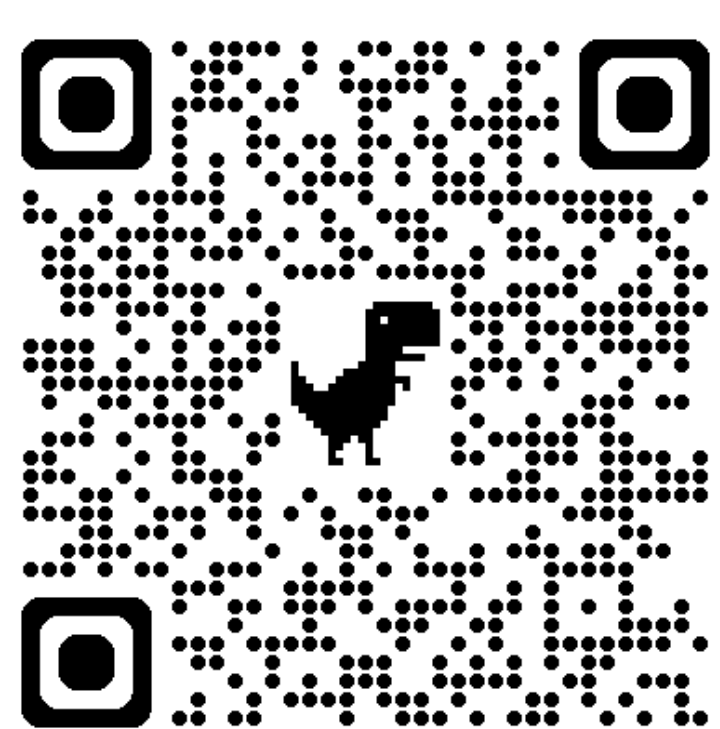
OVERVIEW

- Analyzed six years of EMS data request logs to identify trends and usage patterns.
- Collected and analyzed user feedback to evaluate the impact of EMS data requests.
- Developed visually engaging and accessible Tableau figures to communicate findings and support future EMS Epidemiology initiatives.
- Helped refine the EMS data request process by identifying gaps and opportunities for improvement.

EXPERIENCES AND EVENTS

- Presented project findings to the statewide EMS Medical Direction Committee.
- Contributed data analytics to a pediatric cardiac arrest research project.
- Helped run the VDH Quarterly All-Epidemiology Meeting.
- Shadowed the VCU Trauma Center and the VCU Trauma Registrar team to gain exposure to clinical operations and trauma data processes.

CONNECT WITH ME



LinkedIn

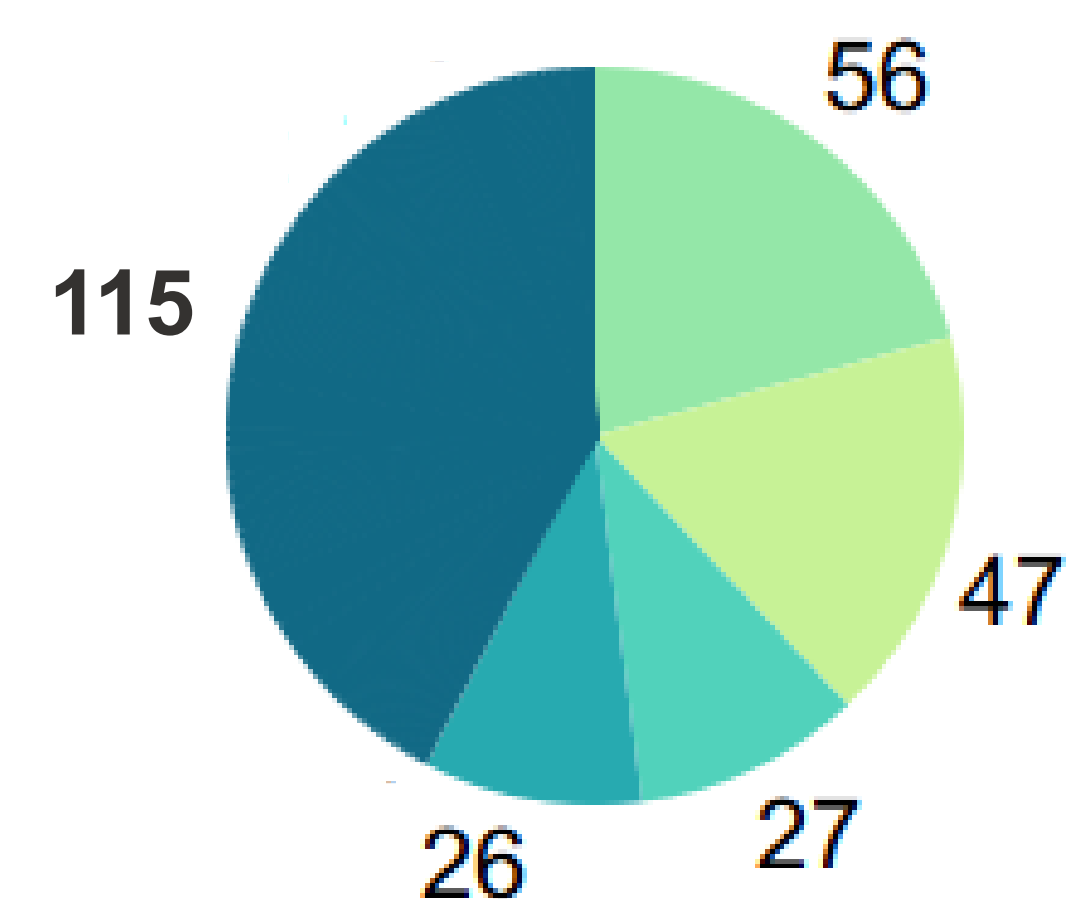
CNU College of Natural and Behavioral Sciences

Major: Cellular, Molecular & Physiological Biology

Minor(s): Neuroscience, Leadership Studies

VISUALIZING EMS DATA REQUESTS

Top Organizations Requesting Data



Top Organization Names

- OEMS
- Dept of Aging and Rehab
- VCU
- VDH
- Other, for example:
 - Virginia Fusion Center
 - Joint Commission on Healthcare
 - Eastern Virginia Medical School

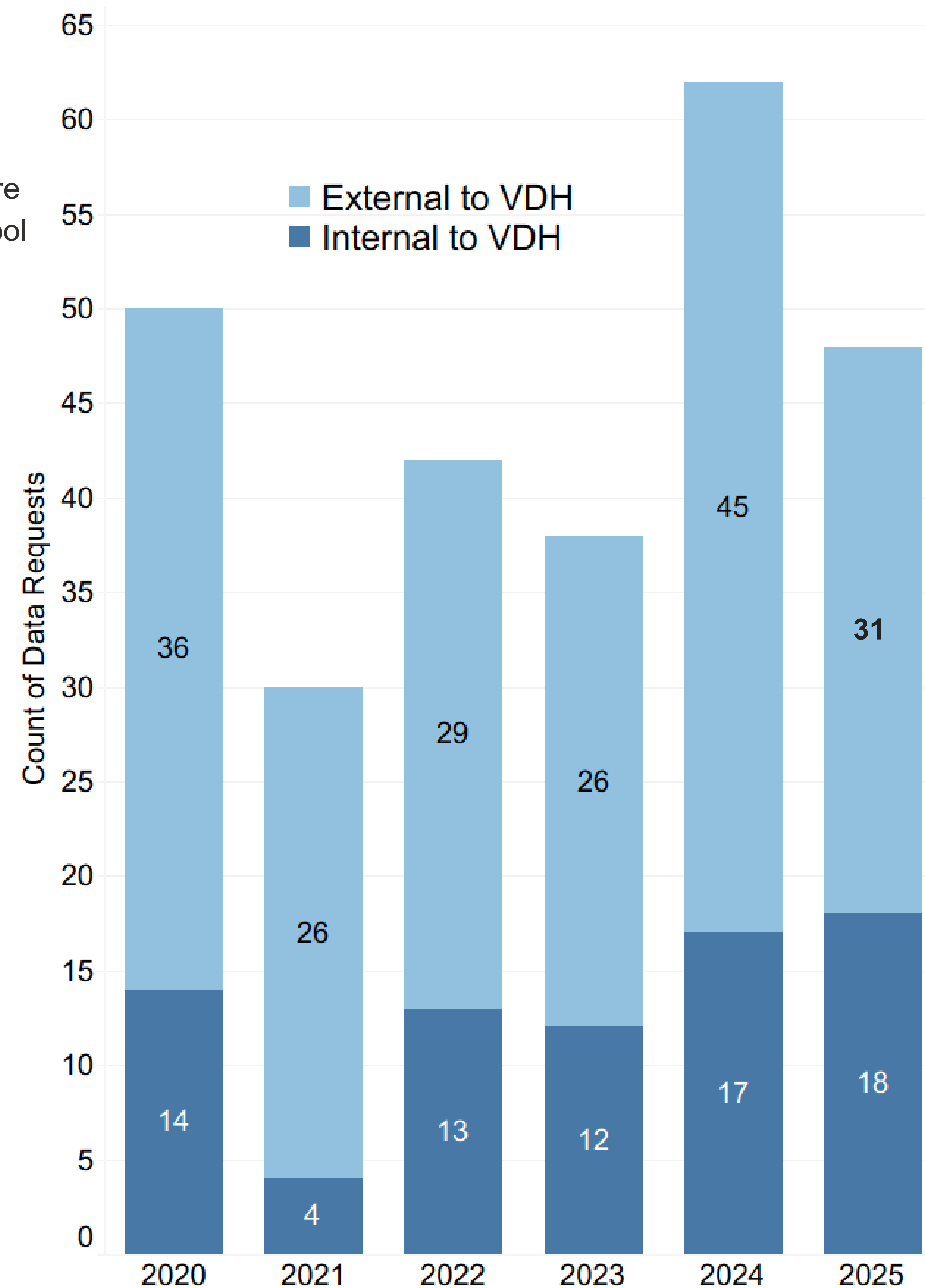
Data Request Topics

EMS System Operations	69
Traumatic Brain Injury	48
Overdose/Substance Use	44
Hospital Trauma Operations	23
Prehospital Clinical Care	20
Acute Medical Emergencies	17
Trauma Performance	16
Maternal & Child/ Pediatric	13
Environmental Health	8
Mental Health/ Behavioral	5
Motor Vehicle Crash	5
Special Populations	3
Grand Total	271

Summary of OEMS Data Requests, 2020-2025

Total Data Requests	271
Number of Unique Requesting Organizations	81
Mean Time Spent on Requests Per Year (in work weeks)	28
Busiest Month	March

Volume and Trends of Data Requests by Year



KEY TAKEAWAYS

- Gained hands-on experience working with large EMS datasets and identifying meaningful patterns.
- Strengthened skills in data visualization using Tableau.
- Improved my ability to translate complex data into clear, accessible communication materials.
- Learned how to manage data request workflows and troubleshoot technical challenges.
- Learned the value of EMS data and how it can be applied in real-world public health work.

OUTPUTS

- Surveyed 127 EMS data requesters via REDCap to assess user experience and needs.
- Designed and built eight interactive Tableau visualizations to enhance data interpretation.
- Created a quick-reference summary of past EMS data requests to support communication and future planning.

ACKNOWLEDGEMENTS

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