



NATIONAL REGISTRY OF EMTs RESEARCH KEY INITIATIVE

Key Takeaways

- ✱ As a core component of the National Registry’s mission, research advances our vision of a safer, healthier world by ensuring that every patient is served by competent, certified EMS Clinicians.
- ✱ National Registry research safeguards the public by generating evidence across three critical domains: EMS education, clinical care, and workforce.

EMS RESEARCH

The National Registry of EMTs created the Research Team to contribute scientific knowledge nationwide and globally for the well-being of EMS clinicians and their patients. In 2001, the National EMS Research Agenda identified a lack of career EMS researchers to contribute to nationwide scientific knowledge for the betterment of EMS clinicians and systems. Responding to this call, the National Registry of EMTs created the EMS Research Fellowship within a dedicated Research Team to prepare academically prepared researchers through partnership with The Ohio State University College of Public Health’s doctoral training programs.

From these beginnings, the Research Team has evolved into a national EMS research leader featured in high impact peer-reviewed journals like JAMA Network, The Center for Disease Control and Prevention’s Morbidity and Mortality Weekly Report, Journal of the American College of Emergency Physicians OPEN, Prehospital Emergency Care, and Resuscitation. The Research team supports EMS stakeholders by generating insights that inform national efforts to understand and enhance the EMS workforce, EMS education, and clinical care. Using replicable, reliable, and peer-reviewed methods, this work contributes to the broader scientific knowledge base supporting EMS clinicians and systems nationwide.



Our key areas of work provide evidence-based rigor to the activities and processes of the National Registry. Our focus areas include:

*** Education/Clinician Competency:**

Above, the research team is always mentioned in third person, this is written as first person. make consistent throughout.

*** Clinical Care:**

This is also not just evidence based guidelines. Evaluate current clinical care practices to identify areas for improvement and support efforts to align EMS practice with current research.

*** Workforce:**

Again, keep first/third person consistent throughout. Take out educational process statement. This would fall under Education/Clinician Competency.

What You Need To Know

* The National Registry's Research Team, and EMS Research Fellowship, was designed to create and promote responsible research for the advancement of the EMS profession. The team consists of our Research Director, a board-certified physician in emergency medicine and emergency medical services, Dr. Ashish Panchal. He is supported by our Research Manager, EMT and public health-trained epidemiologist, Shea van den Bergh. A key part of the team are our EMS fellows who are earning a funded PhD at The Ohio State University. We also partner with the United States Army through their Training With Industry program for a rotating Army Officer every other year.

* The National Registry's Research Team collaborates with researchers and institutions from across the nation like Harvard Medical School, The Center for Fire, Rescue, and EMS Health Research, The National Association of State EMS Officials (NASEMSO), The National Association of EMS Physicians (NAEMSP), and the Committee on Accreditation for the EMS Professions (CoAEMSP).





Focus Areas And Highlighted Work

Our key areas of work provide evidence-based rigor to the activities and processes of the National Registry. Our focus areas include:

* Clinical Care

Understanding EMS clinical care is critical for the development of valid and reliable competency assessments. Through the National Registry's Practice analysis work and evaluation of national data sources (e.g. ESO, ImageTrend, NEMSIS), we define clinical care and trends in EMS practice. Additionally, leveraging this work, we help develop key evidence-based guidelines (naloxone, pain, airway management) to inform EMS protocols.

* Education and Clinician Judgment

Establishing a strong foundation for EMS clinicians begins with rigorous, evidence-based education and assessment. Our work focuses on defining the essential knowledge, skills, and abilities required for safe practice by contributing to national practice analyses and understanding the evolving dynamics of EMS educational programs. To ensure Clinicians are prepared for real-world demands, we leverage the EMS clinical judgment framework to develop sophisticated assessment items that reflect current standards. Through collaboration with educators and stakeholders, we continuously refine the certification process, ensuring that every examination is a true reflection of professional readiness.

* Workforce

The LIFE Study is an initiative led by the National Registry, in collaboration with national EMS stakeholders, EMS agencies, and academic institutions to longitudinally follow firefighters and EMS clinicians and collect data on occupational exposures and health outcomes. By tracking first responders over time, the study seeks to generate critical insights into cumulative health risks and inform future policy, prevention strategies, and interventions. This initiative reflects the Research Team's commitment to advancing evidence-based knowledge and improving the health and wellbeing of the first responder workforce.





Questions

Q- How can I work with the National Registry's Research Team?

A- Work with us at research@nremt.org.

For all non-research requests, please email support@nremt.org.

Q- Is your data available for use to the public?

A- Our data is not available for use by the public, but for good reason. Some of our data sources have requirements that prohibit sharing to limit the potential of harm to research participants. We do have available methodologies of data collection and analysis, as well as tools such as surveys to enable replication of our work.

Q- Where can I find the latest information on the National Registry's Research Team?

A- We post important and new research information across our social media channels nearly every Friday. We call it #ResearchFridays. You will find videos, links to research work, podcasts and more! Find us on all of your favorite social media channels, including [Facebook](#), [Instagram](#), [LinkedIn](#), [Bluesky](#), and [TikTok](#).

Be sure to also check out our new podcast, [From Science to the Scene](#), where the team breaks down the latest EMS research into clear, practical insights you can use in the field.

Q- Where can I find your previous work?

A- You can find it on National Registry website, [here](#).

Q- How are you helping the challenges of the EMS workforce?

A- We have to know how to measure a problem before meaningful action can be taken. We want to be intentional about defining the EMS workforce through replicable methodologies that allow for consistent reporting and evaluation.

Q- What is the LIFE Study?

A- In response to the growing concern over the health and wellness of firefighters and emergency medical services (EMS) clinicians, a groundbreaking initiative is underway to comprehensively evaluate the occupational risks associated with their daily activities. This landmark project, known as the Longitudinal Inquiry into Fire and EMS Health Study (LIFE Study), kicked off in late 2023 with its initial funding. You can learn more [here](#).