

EMR 499 EM Research

Research in Emergency Medicine

Emergency Medicine research is scientific investigation to develop new knowledge in emergency situations to improve the care of prehospital and Emergency Department care. This research spans the entire spectrum of research including basic science, translational, clinical, and outcomes, as well as Emergency Medicine teaching and education.

Students will be exposed to the critical elements in conducting Emergency Medicine research. Students are typically partnered with an Emergency Medicine faculty (mentor) to work on a project planned by that faculty. In some instances, medical students may come with their own project idea and be paired with a faculty (mentor) with expertise in that area. Research activities are dependent on the stage of the project but may include IRB submission, database development, data collection/entry, patient enrollment, medical record abstraction, data analysis and manuscript writing. Students meeting accepted requirements for authorship will be included as authors on papers from their research experience. Dependent on status and work on the project, students (in conjunction with their mentor) may also submit this work for presentation at scientific meetings.

In addition, students will be exposed to the daily operations of the Emergency Medicine research division. This will include attending biweekly research meetings, monthly Research in Progress (RIP) meetings, monthly Journal Club, working with the research coordinators, and interactions with the Department's Emergency Medicine Research Associates Program (EMRAP). Finally, students are provided with important research articles (primarily focused on methodology) for reading during their rotation.

Prior to involvement in human subjects research, student are required to complete the CITI Human Research Protections Training course (<https://www.citiprogram.org/>). Students involved in clinical trials will additionally be require to complete the Good Clinical Practice (GCP) training offered by CITI.

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