



AMA Research Challenge Abstract Topics and Descriptions

Please refer to the AMA Research Challenge Official Rules for further details on abstract submission requirements: ama-assn.org/researchchallenge

An abstract submission must address one of the Challenge topics:

Basic Science

Submissions in Basic Science must relate to molecular, pharmacologic, or physiologic mechanisms of disease or treatment. Includes studies that utilize human tissue or animal models to address disease or therapeutic mechanisms, as well as basic studies examining fundamental aspects of molecular and cellular regulation and genetics studies.

Clinical and Translational Research

Submissions in Clinical and Translational Research must center around human subject research aimed towards prevention, diagnosis, or treatment of disease processes either fully in the clinical setting, or as a bridge between the lab and clinical practice.

***Clinical Vignettes**

Submissions in Clinical Vignettes are patient-related cases and scenarios that have educational value for a wider audience. A Clinical Vignette should: a) describe clinical conditions that illustrate unique or important teaching points, b) provide insight into clinical practice, education, or research in either outpatient or hospital settings, c) illustrate important clinical problems commonly encountered by physicians (i.e., diagnostic, therapeutic, management dilemmas,) and d) include a background and discussion of relevant literature.

*This Challenge topic is not eligible for the Semifinals or Final round but is eligible for the Poster Symposium.

Health Systems Science

Submissions in Health Systems Science must relate to the broader system of health care. Includes studies that utilize principles of policy & economics, population health management, interprofessional collaboration, behavioral and social determinants of health and health system improvement. This topic also includes bioinformatics.

Medical Education

Submissions in Medical Education must relate to research centered around medical student/resident/fellow wellbeing, professionalism/professional formation, communication, simulation, quality improvement, and patient safety. This topic also includes diversity, equity, and inclusion; wellness; and telemedicine.

Public Health and Health Policy

Submissions in Public Health and Health Policy must relate to the science of protecting and improving the health of people and their communities. This work is achieved by promoting healthy lifestyles, researching disease and injury prevention, and detecting, preventing, and responding to infectious diseases. This topic also includes studies on COVID-19, vaccinations, and health equity.