

Paul Barach, MD, MPH, Major (ret.), is a double boarded and active anesthesiologist and critical care physician-scientist, Clinical Professor at Wayne State University School of Medicine, and Children's Hospital of Michigan. Paul received his MD and MPH degrees from the Hebrew University in Jerusalem. He volunteered to the paratrooper forces in the IDF as a military doctor and after four years of intensive military service including treating wounded soldiers and working under fire, he started his residency at the Massachusetts General Hospital affiliated with Harvard Medical School. He is Lecturer and senior advisor to Dean, Jefferson College of Population Health. He holds adjunct academic appointments and teaches in several universities in Europe, Australia and in US. Paul is an elected member of the lead honorary society the Association of University Anesthesiologists.

Dr. Barach is deeply committed to translating research into health systems safety and public health strategies for ensuring safe surgical care, systems strengthening, health protection, and population health. Paul has more than 25 years of experience as a practicing public health physician and physician executive in the military and in academic medical centers and integrated delivery systems. He is a formally trained health services researcher, with advanced post graduate training in advanced medical education and assessment methods from the Harvard Medical School Josiah Macy Program medical education, lean six sigma, quality improvement and lean techniques at Intermountain Healthcare. He has had additional training in epidemiology and statistics including both methodological as well as applied HTA research.

Paul was Chief Quality and Safety Officer, and associate Dean for Patient Safety at the University of Miami. Paul has held a variety of leadership positions in organized medicine including the American Medical Association, Massachusetts Medical Society, and the American Society of Anesthesia. He leads the Patient Safety Commission for the World Society of Intravenous Anesthesia. He is a board member of the International Academy for Design and Health focusing on innovation and facility design and is advisor to the Canadian health accreditation agency. He has an extensive track record of improving interprofessional training, health service and medical education delivery in US, Australia, GCC and Europe. He was the founder of the Miami Center for Patient Safety and Simulation and was associate dean for safety and quality.

Theories and ideas he has helped shape and provided research findings for, are now in common use as a result of his work: TeamSTEPPS-surgical team training; human factors common cause adverse event analysis tools; Adverse event disclosure and apology; multi-method, triangulated approaches to research, governance of health systems, and interprofessional learning and culture change to achieve safe and reliable outcomes. His work has led to over \$14,000,000 in federal competitive grant funding including as Principal investigator from the US NIH/AHRQ, EC FP-7, Australian NHMRC and Norwegian Federal Agencies.

He had long history of editing and leading medical journals, including being member on the Mass Medical Society Committee overseeing the New England Journal of Medicine and as Editor of the British Medical Journal Safety and Quality. He has published more than 300 scientific papers, 5 books, 48 chapters and numerous government reports. He has presented at or chaired international and national conferences, workshops, symposia and meetings on more than 500 occasions, including over 60 keynote addresses.