



Trauma Outcomes Committee

COMMITTEE CO-CHAIRS

Carol Immermann, BSN, RN

Nursing Manager, Trauma, Critical Care and General Surgery, Mayo Clinic
Rochester, MN

Carol Immermann, BSN, RN, has over 25 years of experience working in emergency care, trauma, and disaster planning. She is a staunch advocate for the trauma quality model and has seen its success in all levels of trauma care from the small one room rural emergency departments to a large academic Level 1 center. Ms. Immermann has been an invited speaker at a number of national conferences including Trauma Quality Improvement Program (TQIP) and the Society of Trauma Nurses (STN) where she has presented on Rural Trauma Systems and Performance Improvement topics. Current work with the American College of Surgeons (ACS) Performance Improvement and Patient Safety (PIPS) Committee includes creation of a trauma taxonomy that provides objective measures and language for performance improvement programs.

Avery Nathens, MD, MPH, PhD, FACS

Medical Director, ACS Trauma Quality Programs, American College of Surgeons
Chicago, IL

Avery Nathens, MD, MPH, PhD, FACS, is Chief of Surgery and Medical Director of Trauma at Sunnybrook Health Sciences Center in Toronto and Professor of Surgery at the University of Toronto, with a cross appointment in the Institute of Health Policy, Management and Evaluation. He is a trauma surgeon and epidemiologist with a focus on trauma systems and trauma quality improvement. He was the medical director of the American College of Surgeons (ACS) Trauma Quality Improvement Program since its inception in 2010 and has held the position as Medical Director of Trauma Quality Programs at the American College of Surgeons since 2016.

COMMITTEE MEMBERS

Robert Bass, MD, FACEP

Director Emeritus, Maryland Institute for EMS Systems
Annapolis, MD

Robert R. Bass, MD, served as the Executive Director of the Maryland Institute for EMS Systems, the state agency responsible for the oversight of Maryland's trauma and EMS system, from 1994 until 2014. He is currently a private consultant on emergency medical services and systems of emergency care, such as trauma, stroke, and STEMI (heart attacks). Prior to completing his undergraduate education, he was employed as a police officer in Chapel Hill, NC, and served as a volunteer member of the South Orange Rescue Squad. He completed an internship and residency

in the United States Navy and is a Life Fellow of the American College of Emergency Physicians. He has served as a medical director for emergency medical services (EMS) systems in Charleston, SC, Houston, TX, Norfolk, VA, and Washington, DC. Dr. Bass is a past-president of the National Association of State EMS Officials, a past-president of the National Association of EMS Physicians, and a past-chair of the EMS Committee of the American College of Emergency Physicians.

From 2007 to 2013, he was a member of the Federal Interagency Committee on EMS and from 2004 until 2014, he served as a member of the Expert Panel on Field Trauma Triage as well as the Expert Panel on Advanced Automatic Crash Notification for the Centers for Disease Control and Prevention (CDC), Division of Injury Response. Most recently, he has chaired a federally funded national initiative, EMS Compass, to develop performance measures for emergency medical services. He has also consulted with the state of Maine to assess its regional EMS programs and with the Southeast Ambulance Trust in the United Kingdom on quality improvement issues.

Derek Bergsten, Paramedic, CFO, CEMSO, CTO

Chief, Rockford Fire Department
Rockford, IL

Derek Bergsten was sworn in as the tenth Chief of the Rockford Fire Department on November 14, 2008. After joining the department, Chief Bergsten continued to further his education obtaining both a bachelor's degree in business and organizational development from Western Illinois University and a master of public administration from Northern Illinois University. Chief Bergsten is also designated as a Chief Fire Officer and Chief EMS Officer from the Center for Public Safety Excellence. The department is one of five departments nationally to be dual-accredited by the Center for Public Safety Excellence (CPSE) and the Commission for the Accreditation of Ambulance Services (CAAS).

Bryan Collier, DO

Section Chief of Acute Care Surgery; Medical Director of Trauma and Surgical Critical Care, Carilion Clinic
Roanoke, VA

Bryan Collier, DO, is the Section Chief of Acute Care Surgery where he also is the Medical Director of Trauma and Surgical Critical Care. In addition, he is a Professor of Surgery, at Virginia Tech Carilion School of Medicine. Dr. Collier is a recognized national leader in quality and patient safety in trauma, having served at Vanderbilt University and now leading Carilion Clinic's trauma center. He is a Trauma Site Surveyor for the commonwealths of Virginia and Pennsylvania as well as the state of Maryland. He serves on numerous regional and national boards of directors. He has published widely on topics relevant to trauma epidemiology and outcomes. In summary, Dr. Bryan Collier is an experienced trauma clinician, investigator, and administrator.

Joseph Cuschieri, MD

Professor of Surgery, Harborview Medical Center, University of Washington
Seattle, WA

Joseph Cuschieri, MD, is a Professor of Surgery, Adjunct Professor of Neurosurgery and Adjunct Professor of Orthopedics and Sports Medicine at the University of Washington, School of Medicine in Seattle. He is medical director of the Trauma Surgical Intensive Care Unit at Harborview Medical Center. Additionally, he is the Program Director for Surgical Critical Care at

the University of Washington. He is board certified by the American Board of Surgery in both surgery and surgical critical care. Dr. Cuschieri has served on the American College of Surgeons Committee of Trauma (COT) as previous state chair for Washington, and currently serves on the executive committee for the COT. Dr. Cuschieri participates in NIH and industry funded research, reviews clinical trials and grants for the NIH, and has served on NIH and industry sponsored DSMBs.

James Eubanks, MD, FACS

Chief, Division of Pediatric Surgery, Le Bonheur Children's Hospital
Memphis, TN

James Eubanks, MD, FACS, was trained at the Dallas Children's Hospital in pediatric surgery, and began working at Le Bonheur Children's Hospital. He now serves as the Medical Director of Trauma, and in 2011, successfully led Le Bonheur to ACS Level 1 Pediatric Trauma Center ACS verification. Regionally, Dr. Eubanks has served on state trauma committees in Tennessee, Arkansas, and Mississippi to improve regional trauma outcomes. Nationally, he has served trauma committees for Eastern Association for the Surgery of Trauma (EAST) and the Trauma Center Association of America (TCAA). Dr. Eubanks is a founding member of the Pediatric Trauma Society and was recently elected to the Board of Directors of TCAA.

Alexander Garza, MD, MPH

Chief Quality Officer, SSM Health
St. Louis, MO

Alexander Garza, MD, MPH, began his career as an EMT, working in every level of emergency medicine in the Washington Hospital System and elsewhere. He served as a Colonel in the U.S. Army Reserves and has paramedic and flight medic experience; he received numerous awards for his service. He is considered an expert in national security health threats, having written and lectured extensively on the subject, and he was CMO for the U.S. Department of Homeland Security. He served as Associate Dean, Public Health Practice at St. Louis University. Currently, he oversees safety, quality, and clinical outcomes across SSM hospitals.

Michael Gonzalez, MD, FACEP, FAAEM

Associate Medical Director, Emergency Medical Services, Houston Fire Department
Houston, TX

Dr. Michael G. Gonzalez, MD, FACEP, FAAEM, is Associate Medical Director for the City of Houston Fire Department/EMS Division, Director of the ETHAN (Emergency Tele-Health and Navigation) Project, and is an assistant professor of emergency medicine with Baylor College of Medicine. Dr. Gonzalez is a native Texan and graduate of Rice University, the University of Texas Medical School at Houston. A veteran of the U.S. Air Force, with tours of duty in support of Operations Enduring Freedom, Iraqi Freedom, and New Dawn, Dr. Gonzalez has served as Chief of Emergency Services, Landstuhl Regional Medical Center, Germany, as well as Deputy Director & Lead Physician for Critical Care Air Transport Team (CCATT) operations, U.S. Armed Forces Europe and Bagram Air Base, Afghanistan. He lectures nationally and internationally with research interests in pre-hospital airway management, telemedicine, critical care transport, and trauma.

Adil Haider, MD, MPH, FACS

Kessler Director, Center for Surgery and Public Health at Brigham and Women's Hospital, Harvard Medical School
Boston, MA

Adil Haider, MD, MPH, FACS, is an active trauma and acute care surgeon, prolific researcher, and the Kessler Director for the Center for Surgery and Public Health. He is credited with uncovering racial disparities after traumatic injury and establishing the field of trauma disparities research. He is regarded as one of the foremost experts on trauma outcomes, trauma center benchmarking, and trauma quality metrics in the United States. He has formally mentored more than 100 research trainees, published more than 250 peer reviewed papers and currently serves as principal investigator (PI) on extramural grants worth more than 12 million dollars.

Kurt Hoppe, MD

Consultant, Mayo Clinic
Rochester, MN

Kurt Hoppe, MD, has served as a medical director and practiced post-acute care settings. Dr. Hoppe was an insurance medical director for quality and utilization performance reporting and has participated on the measurement reporting committee for the Minnesota insurance exchange. He has been active on numerous technical expert panels and focus groups nationally, including development of the MSPB measure for post-acute care, served as chair of the Minnesota Medical Association's Quality Committee, and as representative to the Physician Consortium for Performance Improvement (PCPI).

Elliott Haut, MD, PhD, FACS

Associate Professor of Surgery, Anesthesiology & Critical Care Medicine, and Emergency Medicine, Johns Hopkins University School of Medicine
Baltimore, MD

Elliott Haut, MD, PhD, FACS, is Vice Chair of Quality, Safety, & Service in Surgery and Associate Professor of Surgery, Anesthesiology & Critical Care Medicine, and Emergency Medicine at The Johns Hopkins University School of Medicine. He is Associate Professor at The Bloomberg School of Public Health and core faculty at the Armstrong Institute for Patient Safety and Quality. Dr. Haut was lead author of "Military Trauma Care's Learning Health System: The Importance of Data Driven Decision Making" commissioned by the National Academies of Medicine. Dr. Haut is President-Elect of the Eastern Association for the Surgery of Trauma (EAST).

Gregory Hawryluk, MD, PhD, FRCSC

Assistant Professor of Neurosurgery, University of Utah
Salt Lake City, UT

Gregory Hawryluk, MD, PhD, FRCSC, is currently an Assistant Professor of Neurosurgery and an Adjunct Assistant Professor of Neurology at the University of Utah where he serves as the Director of Neurotrauma. Dr. Hawryluk practices as both a neurointensivist and general neurosurgeon. He runs a basic scientist laboratory pursuing a theory for the cause of Chronic Traumatic Encephalopathy. He has been a long-standing member of the American Association of Neurological Surgeons/Congress of Neurological Surgeons (AANS/CNS) Joint Guidelines Committee, and he contributes to traumatic brain and spinal cord injury practice guidelines.

David Livingston, MD

Wesley J. Howe Professor, Chief of Trauma and Surgical Critical Care, Rutgers New Jersey Medical School
Newark, NJ

David Livingston, MD, is Professor and Chief of Trauma and Surgical Critical Care at Rutgers-New Jersey Medical School and Director of the NJ Trauma Center in Newark. He graduated from Albany Medical College, and did his surgical residency at NYU and fellowship in trauma at University of Louisville. He has served in leadership positions in the Western Trauma Association and American Association for the Surgery of Trauma. He is vice-chair of the NJ State Trauma System Advisory Council. He has been funded from the NIH and AHCPR, and most recently for developing a trauma survivorship program to improve outcomes following severe injury.

Barry Markman, MD, MBA, FACS

Senior Medical Director Medicaid, Aetna
Las Vegas, NV

Barry Markman, MD, MBA, FACS graduated from Union College, Summa Cum Laude-Economics, and continued at NYU Medical School. After training at UT Southwestern, he obtained board certification in general/plastic surgery. His MBA and paralegal certificate were acquired at University of Nevada, Las Vegas. Dr. Markman is currently a Senior Medicaid Medical Director for Aetna primarily supporting the Special Investigative Unit and Contract Medical Director assignments. During his tenure in managed care, he has developed, implemented, supported, and promoted Health Services strategies, tactics, policies, and programs that drive the delivery of quality healthcare to establish competitive business advantage for Aetna. Dr. Markman brings his knowledge of complex wound injuries, as well as burns, to the Committee.

Linda Melillo, MA, MS, CPHRM, CPXP

Olanta, PA

Linda Melillo, MA, MS, CPHRM, CPXP, has been employed as a Patient and Family Experience professional for over 15 years holds a master's in forensic psychology and a master's in health law. She has led patient and family advisory councils and other forums to capture the "voice" of patients and their family members/caregivers. Linda also volunteered as a CARF International Accreditation Surveyor in both behavioral health and medical rehabilitation. Linda is a multiple trauma survivor and caregiver and believes that metrics need to be made meaningful, not only to the healthcare professional but also for the recipients of that care, the patients, and their loved ones.

Anna Miller, MD, FACS

Associate Professor, Washington University Orthopaedics
St. Louis, MO

Anna Miller, MD, FACS, is a fellowship-trained orthopaedic trauma surgeon with an interest in orthopaedic trauma clinical outcomes research and function after orthopaedic trauma. Her research background includes anatomic studies and biomechanical evaluation of orthopaedic trauma injuries and fixation. Dr. Miller is actively involved in education of orthopaedic residents and biomedical research as it pertains to orthopaedic trauma. On a daily basis she evaluates and treats patients with orthopaedic trauma of all types from high-energy acute trauma to elderly

patients with osteoporotic fractures. She has recently focused specifically on pain management after orthopaedic trauma and is currently involved in several ongoing studies in this area as well as presenting at national meetings and webinars.

Sage Myers, MD, MSCE

Assistant Professor of Pediatrics, Children's Hospital of Pennsylvania
Philadelphia, PA

Sage Myers, MD, MSCE, is a core faculty member at the Center for Pediatric Clinical Effectiveness (CPCE) and attending physician in the Department of Emergency Medicine at The Children's Hospital of Philadelphia (CHOP), and Assistant Professor of Pediatrics at the University of Pennsylvania Perelman School of Medicine. Dr. Myers received her medical degree from the University of Massachusetts Medical School in Worcester, MA, completed her pediatric internship and residency at Yale-New Haven Children's Hospital, served as chief resident, and then completed her fellowship in pediatric emergency medicine at CHOP. She also received her MSCE degree from the University of Pennsylvania. Her research interests include pediatric trauma, pediatric resuscitation and healthcare systems, with a recent focus on implementation science methodologies.

Craig Newgard, MD, MPH

Professor of Emergency Medicine, Oregon Health & Science University
Portland, OR

Craig Newgard, MD, MPH, is a Professor of Emergency Medicine at Oregon Health & Science University in Portland, Oregon. He has been a physician scientist for 18 years, with a focus on trauma care and emergency medical services. Dr. Newgard directs the Center for Policy and Research in Emergency Medicine, and he has served on many national committees. His research focuses on the evaluation of trauma systems, trauma quality metrics, quantifying blind spots in trauma systems, and improving the outcomes of injured patients.

Jack Sava, MD

Regional Vice Chair for Education; Regional Chief, Trauma/Burns; Program Director, General Surgery, MedStar Washington Hospital Center
Washington, DC

Jack Sava, MD, is director of the Gold Surgery team at MedStar Washington Hospital Center, where he staffs the MedStar Level-1 trauma center. Dr. Sava also serves as the Regional Chief of Trauma/Burns and Vice Chair for Education for MedStar's Department of Surgery, as well as the Program Director of MedStar Washington Hospital Center's General Surgery Residency Program. Beyond his roles with MedStar, he is an active member of the American College of Surgeons, where he currently chairs the DC Chapter's Committee on Trauma. He is widely published on topics relating to surgery and trauma care.

Andrew Schrag, MBA, MA, LPCS

Regional Director of Community Operations, Partners Behavioral Health Management
Hickory, NC

Andrew Schrag, MBA, MA, LPCS, engages with key community stakeholders, elected officials, hospital executives, and government agencies, to identify system barriers, develop solutions, and

lead Partners' efforts in those communities. He has been engaged in population health through multiple projects that address health disparities in depressed communities. He has experience in the private sector providing treatment of mental health disorders to children, adolescents, and adults.

Andrew holds a master's degree in business administration and counseling, along with a bachelor's degree in psychology. Andrew is both a Licensed Professional Counselor and Licensed Professional Counseling Supervisor in the state of North Carolina.

David Seidenwurm, MD, FACP

Quality & Safety Director, Sutter Health Group
Sacramento, CA

Dr. David Seidenwurm is a board-certified neuroradiologist in California. He is chair of the group-wide Quality Committee and the System Radiology Quality & Safety Director. Previously, he had been a neuroradiologist at Radiological Associates of Sacramento since 1991, and past Chairman of the Diagnostic Radiology Division. He has been working on measure development projects and quality committees since 1996. Dr. Seidenwurm has also published and/or collaborated on over 90 publications, as well as given over 60 presentations.

Theresa Snavelly, MSN, RN

Manager of Performance Improvement, Pennsylvania Trauma Systems Foundation
Camp Hill, PA

Theresa Snavelly, MSN, RN, currently serves in a lead role for Performance Improvement for Pennsylvania Trauma Systems Foundation (PTSF) which is the accrediting body for trauma centers in Pennsylvania. She is the staff liaison to the PTSF Outcomes Committee and PTSF Pennsylvania Trauma Quality Improvement Program Collaborative. Prior to that, Theresa was the Trauma Program Manager in a Level I trauma center and did extensive work with performance improvement in that institution.

Peter Thomas, JD

Principal, Powers Law Firm
Washington, DC

Peter W. Thomas, JD, is a principal with the Washington, DC, based law firm of Powers, Pyles, Sutter & Verville. He has been a legislative and regulatory advocate for nearly 20 years on behalf of healthcare and post-acute care providers as well as consumers with injuries, illnesses, disabilities, and chronic conditions. He serves on the American Trauma Society board of directors where he chairs the Trauma Survivors Network Committee and was a co-investigator on a team funded by PCORI to study patient-centric improvements to trauma care. He also served for three years on the Advisory Board for the Agency for Healthcare Research and Quality and for five years on the Advisory Board for the National Center for Medical Rehabilitation Research at NIH. He attended Georgetown University Law Center and Boston College, and is a member of the New York State and District of Columbia Bars.

Garth Utter, MD, MSc

Professor, University of California, Davis School of Medicine
Sacramento, CA

Garth Utter, MD, MSc, is Professor of Surgery and Chair of the Surgery Outcomes Research Group at the University of California, Davis. He completed his fellowship in trauma and surgical critical care at the University of Washington/Harborview Medical Center, earning a master of science degree in epidemiology. His research interests span a variety of clinical and health services topics, including outcomes and comparative effectiveness of interventions following acute injury, use of ICD-10-CM/PCS for research and quality measurement, and validation of the AHRQ Patient Safety Indicators. He has served on several expert panels and national committees related to outcomes measures and quality measurement.