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Retiring after 22 years of active-duty military service as a Trauma and Combat Surgeon, Dr. Bowyer remains the Ben Eiseman Professor of Surgery at the Uniformed Services University of the Health Sciences (the military medical school) in Bethesda, MD. In this role, he is responsible for the training of current and future military doctors learning to care for those in harms way. As a faculty member of Advanced Trauma Life Support, Definitive Surgical Trauma Care, Definitive Surgical Trauma Skills, Emergency War Surgery, Advanced Trauma Operative Management, and Advanced Surgical Skills for Exposures in Trauma (ASSET) courses, Dr. Bowyer is an international force in trauma education, having taught trauma skills to thousands of students around the world over the last three decades. As one of the principal architects of the ASSET course he has shepherded its promulgation to over 170 course sites in 20 countries over the last 12 years. His active practice of trauma surgery at the Washington Hospital Center in Washington DC, one of the busiest trauma centers in the United States, and experiences as “Trauma Czar” in Iraq, provide him with credible real-life experiences that he enthusiastically brings to the classroom. Dr. Bowyer has an ongoing interest and involvement in developing and validating augmented and virtual reality, as well as robust trauma, laparoscopic, acute care surgical, triage, and critical care-based simulators. As an acknowledged expert in the fields of trauma and medical simulation he is in great demand as a speaker having presented in many national and international forums. Dr. Bowyer has published widely on a diverse range of critical care, trauma, and simulation topics.