



# R ADAMS COWLEY SHOCK TRAUMA CENTER

UNIVERSITY OF MARYLAND

## FACTS

For more than 50 years, the R Adams Cowley Shock Trauma Center has been a worldwide leader in trauma care. Shock Trauma is the heart of Maryland's exceptional Emergency Medical Services (EMS)—the first coordinated system in the country and a national model of excellence. To date, more than **200,000 people** have been cared for at Shock Trauma.



### WHEN LIFE IS ON THE LINE...

“The R Adams Cowley Shock Trauma Center is Maryland’s Primary Adult Resource Center (PARC) serving more than 7,000 critically ill and severely injured people each year. These are people who get up each day, leave their home for work or school and end up here at Shock Trauma. Our team is committed to giving every person a second chance.” **THOMAS M. SCALEA, MD, FACS, MCCM**

**WE HEAL** At one of the highest-volume trauma centers in the United States, teams of providers are standing by 24/7 to receive, resuscitate, stabilize and treat those whose lives are threatened by time-sensitive injury, including: acute complex orthopaedic injury, spinal injuries, brain injury, facial trauma, multiple organ dysfunction, respiratory failure, soft-tissue infection and sepsis.

**WE TEACH** The Shock Trauma/Surgical Critical Care Fellowship is the largest and one of the most prestigious programs of its kind. The goal of the fellowship is to produce physician leaders in academic surgery who specialize in critical care and trauma.

**WE DISCOVER** The Shock Trauma research program aims to become the benchmark for national and international trauma research that addresses issues of injury prevention, patient care, delivery of care, public policy and financing of trauma care and systems of care. The program includes: clinical research trials, a place to test emergency technologies and a collaboration with the U.S. Air Force through the C-STARS-MD program.

**WE CARE** In keeping with the mission of preventing severe injury and death, teams from Shock Trauma conduct a variety of prevention programs in collaboration with schools, community groups and the court system. The programs target adolescents and adults on topics including seatbelt use, violence prevention and safe driving strategies focused on eliminating distracted or impaired driving. For more information, email [prevention@umm.edu](mailto:prevention@umm.edu).



### QUICK NUMBERS

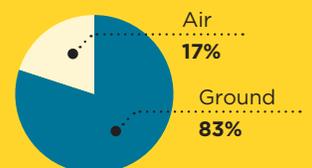
#### ADMISSIONS

**7,113** Patient Encounters

#### MECHANISM OF INJURY

- 38%** Motor Vehicle Collisions
- 39%** Falls
- 20%** Violence
- 3%** Other

#### GROUND VS. AIR ADMISSIONS



### MISSION

To serve as a multidisciplinary clinical, educational and research institution dedicated to world-class standards in the prevention and management of critical injury and illness and its consequences.



**INJURY IS A DISEASE THAT HAS NO AGE, GENDER, RACIAL, SOCIAL OR ECONOMIC BOUNDARIES.**

**R Adams Cowley Shock Trauma Center:**

We are the designated **trauma hospital** in Maryland to treat the most severely injured and critically ill patients.

Approximately **96%** of patients brought to Shock Trauma survive their injuries.

**Falls and motor vehicle collisions** are the leading cause of injury among Shock Trauma patients.

The Trauma Center maintains an **advanced resuscitation team** capable of responding to the scene of seriously injured patients. This physician-led Go-Team complements first responders by providing critical care and surgical services typically considered beyond the scope of pre-hospital emergency care providers.

The **Center for Injury Prevention and Policy** offers programs for violence and injury prevention reaching over 29,000 Marylanders through more than 1,900 events.

Shock Trauma's **Center for Critical Care and Trauma Education** has a 10,000-square-foot medical simulation area with four reconfigurable labs and three adjacent classrooms and debriefing areas. The simulation center will support the development, implementation, and continuous evaluation of many courses related to trauma and critical care management including ATLS, ATCN, ATOM, CALS and BEST.

The **Critical Care Resuscitation Unit (CCRU)** is a state-of-the-art 6-bed unit. Each year, the CCRU sees more than 1,900 critically ill patients with neurosurgical, neurological, vascular, cardiac and medical emergencies.

The **Lung Rescue Unit** is a state-of-the-art 6-bed unit. The Unit opened in August 2014 and offers comprehensive treatment for patients with acute cardiac and respiratory failure and patients in need of extracorporeal membrane oxygenation (ECMO).



**R ADAMS COWLEY, MD**

Known as the "Father of Trauma Medicine," Dr. Cowley was the pioneer who first proposed the Golden Hour concept, which describes the first 60 minutes following injury when definitive care is crucial to trauma patients' survival. He was among the first to perform open heart surgery and lobby for helicopter evacuations. He also invented a surgical clamp that bears his name and helped develop a prototype pacemaker.

**SHOCK TRAUMA LEADERSHIP**

**Thomas M. Scalea, MD, FACS, MCCM**, the Honorable Francis X. Kelly Distinguished Professor of Trauma Surgery, Physician-in-Chief and Director of the Program in Trauma

**Jose J. Diaz, MD**, Professor of Surgery, Chief of Acute Care Surgery

**Ronald Tesoriero, MD**, Assistant Professor of Surgery, Chief of Trauma Critical Care

**Deborah Stein, MD, MPH**, the inaugural R Adams Cowley Professor of Shock and Trauma, Chief of Trauma and Medical Director of the Neurotrauma Critical Care Unit

**Jay Menaker, MD, FACEP**, Professor of Surgery and Emergency Medicine and Medical Director, Lung Rescue and Critical Care Resuscitation Units, Physician Director of Quality Management

**Karen Doyle, MBA, MS, RN, NEA-BC, FAAN**, Senior Vice President Nursing and Operations, Care Management, University of Maryland Medical Center

**Kristie Snedeker, DPT**, Director of Care Management and Clinical Operations

**Tara Reed Carlson, MS, RN**, Director Community Outreach and External Affairs

**Karen McQuillan, MS, RN, CNS-BC, CCRN, CNRN, FAAN**, Clinical Nurse Specialist Lead

**Carla Aresco, MSL, MS, CRNP**, Trauma Program Manager

Referring patients to Shock Trauma takes just one call to **Maryland ExpressCare at 410-328-1234.**