

Elvis Presley
TRAUMA CENTER
REGIONAL ONE HEALTH



2024 ANNUAL BURN/TRAUMA
STATISTICS & REPORT

CONTENTS

WELCOME	4-5
ABOUT REGIONAL ONE HEALTH	8-9
MEET OUR TEAM	10-13
BY THE NUMBERS – TRAUMA	14-19
BY THE NUMBERS – BURN	20-23
BACK FOR A ROLE REVERSAL	24-26
DONORS SUPPORT LIFESAVING CARE	27
COMMUNITY OUTREACH & INJURY PREVENTION	28
PREPARATION & PLANNING	29
TRAUMA & BURN CONFERENCE	30-31
IMPROVING CARE FOR PATIENTS EVERYWHERE	32-35
RESEARCH & PUBLICATIONS	36-37

A WORD FROM OUR LEADERS

TRAUMA TEAM IS ALWAYS PREPARED FOR WHAT NO ONE CAN EXPECT.

As the only level one trauma center in a 150-mile radius of Memphis, the Elvis Presley Trauma Center is always ready to provide lifesaving care when an unexpected crisis strikes. Over the past year, we've cared for nearly 13,000 trauma patients, and I'm proud to say our team continues to improve upon the exceptional care and service that we're known for throughout the world.

In 2024, Regional One Health significantly improved its Leapfrog score, earning a B. Leapfrog grades are based on patient safety, patient experience, and quality care, and the fact that we earned such a high score while caring for the most severely injured patients is a testament to our entire team. For Regional One Health, the score means the patient-focused procedures we have put in place are working. For patients, it means we provide top-quality care, a safe environment, shorter length of stay, and a chance to heal and get back to their loved ones.

At the trauma center, those impressive results are due to state-of-the-art resources and an expert multidisciplinary team that is available 24/7 to care for critically injured patients from all over the Mid-South. Our goal is to help more patients receive expert trauma care within 60 minutes of their injury, which significantly improves their chances of a positive outcome.

As we continue to work toward building an academic medical center to meet our region's growing needs for trauma care and comprehensive medical services, our trauma team will focus on staying on the cutting edge of medicine while always remembering the human side of patient care. We are proud to provide a beacon of hope and healing in times of unexpected crisis.

Sincerely,

ANDREW KERWIN, MD, FACS

Trauma and Surgical Critical Care Division Chief and Trauma Medical Director



2024: A YEAR OF CHANGE, GROWTH AND EXCELLENCE

What a year 2024 has been for our Elvis Presley Trauma Center and Firefighters Burn Center.

We kicked off 2024 by moving our daily “Trauma Turnover” meeting to our beautiful Trauma Auditorium. Every day, 365 times a year, our residents, fellows, advanced practice providers and attending surgeons gather to discuss the patients they have cared for the previous day and turn over that care to the next shift. This space is outfitted with state-of-the-art audiovisual equipment including a high-definition LED screen that allows our team to review medical images such as CT, MRI and X-rays to assist in making the best plan for care and educate the next generation.

We hosted our first annual Trauma and Burn Conference in March, with over 100 participants. Our group learned a lot about conference planning and took feedback for the 2025 event, which will occur on April 24.

In May, we moved our trauma and burn administrative teams into our renovated space located in the Chandler Tower of Regional One Health. This move allowed us to bring together members of the team who had been spread out across different buildings and floors of the hospital into a collaborative and functional environment that helps us deliver on our different missions.

Just this December, we had an intensive review from the Mississippi Department of Health to successfully renew our Mississippi state trauma designation as a level-one trauma center. I was so very proud of both our trauma administration team and the multidisciplinary group that makes trauma run so effectively at Regional One Health. The reviewers were highly impressed with our quality of clinical care and the national impact of the Elvis Presley Trauma Center.

I'm looking forward to two big events in 2025. Our Firefighters Burn Center will be evaluated for its fifth American Burn Association (ABA) verification in April and our trauma program will have its initial verification from the American College of Surgeons (ACS) in August.

It has been quite the year of change, but change is good and important to our growth as a pillar of excellence in the Mid-South.

JOSHUA DUGAL, MBA, BSN, RN, EMT-P, TCRN
Senior Director of Trauma and Burn Services





FIREFIGHTERS BURN CENTER PROVIDES BENEFITS TO PATIENTS & THE COMMUNITY

When an individual is injured by a burn, it is often a life-changing experience. Whether the burn involves a hand, foot, face, or the majority of the body, it is imperative that the injured patient has access to the best burn care possible in order to make the best recovery. Regional One Health's Firefighters Burn Center is here to provide that care and serve as a vital resource for the community.

The Firefighters Burn Center plays a critical role in providing specialized care to individuals suffering from burn injuries across the Mid-South region, but the center's importance extends beyond its immediate medical services – it is a hub for advanced burn treatment, rehabilitation, research and community outreach.

First and foremost, the Firefighters Burn Center provides lifesaving acute care, employing a multidisciplinary team of surgeons, critical care physicians, advanced practice providers, nurses, and therapists who specialize in burn management. This ensures that patients receive tailored treatment plans, including wound care, pain management, and reconstructive surgery, maximizing their chances of recovery. The center's advanced technology and expertise are crucial in treating severe burns that may otherwise have limited treatment options.

Additionally, the Burn Center offers comprehensive rehabilitation services, helping patients regain functionality and adjust emotionally to the challenges posed by burn injuries. It supports patients through a range of therapies, from physical rehabilitation to psychological counseling, which are essential for long-term recovery.

Finally, the Firefighters Burn Center is a hub for education and research, training future health care professionals in the complexities of burn care and advancing medical knowledge through clinical studies. In this way, the Firefighters Burn Center not only benefits individual patients but also contributes to improving burn care on a broader scale. Our mission also includes educating all members of our community about burn prevention through a variety of programs and public outreach activities. By helping people make their homes and workplaces safer, we hope to stop burn injuries before they even happen.

It's an honor to be able to provide these services to the community.

TRAVIS WEBB, MD, MHPE, FACS
Firefighters Burn Center Medical Director

A LOOK AT HOW THE FOUNDATION & DONORS HELPED SHAPE CARE

It takes an intense commitment and good partnership to become one of the busiest and most recognized trauma and burn hospitals in the country. The Regional One Health Foundation is an important partner in providing generous support for the exceptional care delivered at the Elvis Presley Trauma Center and Firefighters Burn Center.

In health care, philanthropy is truly transformative, and the generosity of Foundation donors has allowed us to advance care through enhanced training, technology and other resources. In 2024, one of the major projects supported by the Foundation involved renovating our Trauma Auditorium. These essential enhancements have created a professional, welcoming space that is used frequently by our trauma and burn teams, as well as other groups. In the past six months, the auditorium has already hosted over 300 gatherings:

- 182 daily trauma turnover meetings
(medical staff review of the previous day's patients)
- 24 trauma resident education sessions
- 30 morbidity and mortality meetings
(24 trauma, 6 burn)
- 6 trauma peer review meetings
- 6 trauma operations meetings

- 2 organ donation meetings
- 2 grand rounds speakers
- 6 nursing council meetings
- 6 trauma nursing meetings
- 78 radiology resident training sessions

As we look to the future, continued donor support for the Elvis Presley Trauma Center and Firefighters Burn Center will be crucial. The population of our service area continues to grow and rates of injury continue to rise. At the same time, state funding is falling, causing small hospitals to close and more patients to be diverted to Regional One Health.

With the Foundation's support, we look forward to meeting our community's critical care needs while working to advance trauma and burn care for patients everywhere through research and innovation. Learn more about the Foundation and how to support a team that is "Specializing in Tomorrows" for patients all over the Mid-South.

Scan the QR code to donate
to the Foundation.



Regional One Health plays a unique and critical role in the Mid-South.

Exceptional health care is measured not by the patients we see, but the people who walk out our doors. We are dedicated to delivering lifesaving and life-changing care with a personalized approach and to advancing medicine for our community and beyond.



LIFESAVING CENTERS OF EXCELLENCE

Our health system is a beacon of hope, using world-class resources and elite expertise to care for patients with the most critical injuries and complex medical needs.

Elvis Presley Trauma Center

Our **Elvis Presley Trauma Center**, the only level-1 trauma center in a 150-mile radius, is ready 24/7 with a multidisciplinary team and dedicated assessment, operating, recovery, and blood bank resources.

Firefighters Burn Center

As the only verified full-service facility for 400 miles, our **Firefighters Burn Center** provides acute and critical care, specialized rehabilitation, and outpatient treatment to save lives and provide optimal function.

High-Risk Obstetrics

Our **Center for High-Risk Pregnancy** maternal fetal medicine specialists offer the most advanced level of care available in the region for complex pregnancies. Through skill and compassion, we provide optimal outcomes for both moms and babies.

Sheldon B. Korones Newborn Center

Our **Sheldon B. Korones Newborn Center NICU** was founded on the belief that every baby deserves a healthy start to life. We provide expert medical care for premature and critically ill infants and support and education for their families.

NEXT-LEVEL CARE

At Regional One Health, services of choice range from personalized primary care for the entire family to comprehensive specialty care for chronic medical conditions. Our health care system is built to make it easy for patients to access the screening and preventative care they need to avoid serious illness as well as the advanced medical, surgical, pharmacy and rehabilitation services that allow us to treat illness and injury in a manner that promotes quality of life.

Our six primary care offices are spread out across Memphis to make sure everyone has access to quality preventative care and treatment for routine illnesses. We give patients choices so they can find care that matches their lifestyle and build meaningful relationships that enhance the care we provide. We have providers who specialize in seeing children, adults, seniors, and multiple generations of the same family, and we offer a midwifery program specializing in patient-centered, empowering care for routine well-woman and pregnancy care.



Through our partnership with University of Tennessee Health Science Center, we offer specialist care in countless disciplines. Our physicians include world-renowned experts in the treatment of various cancer diagnoses, inflammatory bowel disease, sickle cell disorder, complex gynecologic conditions, and much more. Our integrated system allows patients to seek whole-person care all in one place from providers who understand their medical history, needs and goals.

OUR COMMITMENT TO EXCEPTIONAL CARE

Regional One Health has touched countless lives in the Mid-South, and we continue to do so through our commitment to exceptional, compassionate care. We're proud to provide the essential care that improves individual health and the health of our community, and to play a pivotal role in building a bright future for health care.

A legacy of service...

Chartered in 1829, Regional One Health is the oldest hospital in Tennessee and oldest business in Shelby County. It has served as a children's hospital, military hospital, maternity hospital, hospital for tuberculosis patients, and more. Today, we are forging a legacy of enhancing health for patients of all walks of life by improving access to advanced medical care.

A bridge to the future...

We are proud to train the next generation of health care providers, with many physicians in Tennessee doing at least part of their training at Regional One Health. Being an academic hospital not only lets us help ensure a bright future for health care, it brings in new perspectives and keeps us on the cutting edge of the latest advances in medicine.

New ways of delivering care...

We are committed to expanding initiatives that make sure all patients have access not only to good health care, but to good health. Our ONE Health program is a national model for complex care, offering a new way to support vulnerable patients by addressing both their medical needs and social determinants of health. Our Center for Innovation partners with disruptive thinkers to ideate and test products and delivery models that can benefit patients everywhere.

Specializing in
TOMORROWS



Regional One Health

MEET OUR TEAM

The Elvis Presley Trauma Center and Firefighters Burn Center are home to an exceptional team of professionals who have dedicated their careers to ensuring world-class care is available for critically injured patients. Our team includes administrative leaders, surgeons, and advanced practice practitioners who specialize in the delivery of trauma and burn care.

TRAUMA ADMINISTRATION

ERICA NEISSER, Trauma Program Manager

The trauma program manager helps drive the development, implementation and evaluation of the trauma program and maintains evidence of educational preparation, certification and clinical experience in trauma care. They lead performance improvement activities along with national, state and local outreach, education and injury prevention initiatives. They are responsible for managing the trauma registry; supporting research, analysis and protocol development; and serving on hospital and state committees to enhance care delivery and patient management.



PATRICK BROCKWAY, Burn Program Manager

The burn program manager is responsible for overseeing the operations of the Firefighters Burn Center and ensuring the highest level of patient care. Their roles include directing clinical services and participating in research, resources management, providing data analysis and reporting, overseeing regulatory compliance, and managing the burn registry. They play a key role in the development and implementation of the burn program, including outreach and prevention at the local, regional, and state level, and also collaborate with other departments throughout the hospital to make sure patients have access to the full continuum of care.



Trauma Performance Improvement Coordinators

The trauma performance improvement coordinators collaborate with the trauma medical director and program manager to monitor and improve structures, processes and outcomes. They use their clinical nursing expertise to perform detailed case reviews to help the team improve care for future patients. They assist with loop closing any opportunities for improvement across both internal and external multidisciplinary groups.

Community Outreach/Injury Prevention Coordinator

The community outreach/injury prevention coordinator helps the trauma center serve as a community and regional resource, which is integral to our lifesaving mission. They develop and lead outreach programs based on the needs and resources of our region and ensure that our public awareness, injury prevention education and professional education initiatives are designed to improve outcomes and prevent injury. They also lead public and professional dissemination of information, facilitate access to our clinical and educational resources, and represent the trauma center on various community and state committees.

Hospital Violence Intervention Program Liaisons

Hospital Violence Intervention Program liaisons support patients who present at the trauma center due to gunshot wounds, stab wounds and serious assaults. They assess each patient's needs and connect them with appropriate resources including education, job readiness training, ongoing health care services, and community organizations that support positive life choices. The goal is to reduce retaliation levels, prevent repeat injury, and help clients achieve personal goals.

Trauma and Burn Registry Professionals

Trauma and Burn Registry professionals abstract, enter and analyze data for our Trauma and Burn Registries, which is used for ongoing research and internal performance improvement processes. Data is also reported to the National Trauma Data Bank, Burn Center Quality Program and State Trauma Registries. These professionals capture the entire continuum of a critically injured patient's care, including data from before their arrival, during their care at the trauma or burn center, and finally their discharge.

Traumatic Brain Injury Coordinator

The Traumatic Brain Injury (TBI) Coordinator works to connect individuals who reside in Fayette, Haywood, Lauderdale, Shelby and Tipton counties who have suffered a brain injury. The TBI Coordinator provides case management and resource connection to help those with brain injuries adjust and thrive in their new normal post injury.

Senior Director of Trauma and Burn Services

This role provides leadership and oversight to both the Trauma and Burn service lines, which share common goals of providing lifesaving care to those injured across the Mid-South. The Senior Director assists in developing strategic vision and operational goals to both continue and grow the service lines. With this leadership, the Elvis Presley Trauma Center and Firefighters Burn Center will remain well prepared to provide the exceptional services we are known for.

MEDICAL LEADERSHIP



ANDREW KERWIN, MD, FACS, Chief of Trauma, Chief Medical Director

Dr. Kerwin is board certified in general surgery and surgical critical care. He earned his medical degree at Southern Illinois University School of Medicine and completed an internship at Loyola University Medical Center in Maywood, IL. He then completed his residency at the Medical College of Ohio and a fellowship in trauma and critical care at the University of Tennessee Health Science Center. He is the Division Chief for Trauma and Surgical Critical Care in the Department of Surgery at UTHSC, as well as a professor in the Department of Surgery.



SASKYA BYERLY, MD, FACS, Associate Trauma Medical Director

Dr. Byerly is a board-certified general and critical care surgeon. She earned her medical degree and completed her residency in general surgery at Keck School of Medicine at University of Southern California. She completed fellowships in trauma research at Los Angeles County Medical Center/University of Southern California Division of Trauma and Critical Care and in surgical critical care and trauma at Jackson Memorial Hospital. She is an assistant professor in trauma and critical care at University of Tennessee Health Science Center. "Caring for patients with traumatic injuries on potentially the worst day of their lives is a privilege," she said. "I'm proud to work with an excellent team and love to see our patients survive and recover."



TRAVIS WEBB, MD, MHPE, FACS, Burn Medical Director, Professor of Surgery

Dr. Webb is board certified in general surgery and surgical critical care. He earned his medical degree at Southern Illinois University School of Medicine in Springfield and completed his residency in general surgery and fellowship in surgical critical care at Medical College of Wisconsin in Milwaukee. He is a professor of surgery in trauma and critical care at University of Tennessee Health Science Center. "Burn injuries are often a life-changing experience, and it is imperative that patients have access to the best care possible in order to recover," he said. "By providing specialized care at every step of a patient's journey, our burn center offers a vital resource in the Mid-South."

TRAUMA SURGEONS



YASMIN ALI, MD, Assistant Professor of Surgery



KENDRA BLACK, MD, Assistant Professor of Surgery



THOMAS EASTERDAY, MD, Assistant Professor of Surgery



CORY EVANS, MD, Assistant Professor of Surgery



DINA M. FILIBERTO, MD, MS, Associate Professor of Surgery



EMILY LENART, DO, Assistant Professor of Surgery



SARA SOULE, MD, FACS, Assistant Professor of Surgery



VICKI SCHLANSE, DO Professor of Surgery

ADVANCED PRACTICE PRACTITIONERS



VICTORIA MILLIGAN, MSPAS, PA-C, Trauma and Critical Care APP Lead



AMY K. WILSON, APRN, DNP, AGACNP-BC, FNP-BC, Trauma ICU APP Liaison



RACHAEL CHAPPLE, MSN, APRN, FNP-C, ENP-C



TAYLOR COLLINS, MMSPAS, PA-C



LAKEICHA GUNTER, AGACNP-BC



DENISE KNIGHT, PA-C



KRISTOPHER MADAY, PA-C, DFAAPA



SUZANNE MOYER, DNP, APRN, AG-ACNP - BC, RNFA



BRITINI PATTERSON, MSN, APRN, FNP-BC



DIANA RAMIREZ, MSPAS, PA-C



AMY M. ROST, MSN, APRN, FNP-BC



SHAY WHITE, MSPAS, PA-C



BENTA OPIDO, ACNP



VICTORIA K. JOHNSON, DNP

LEVEL-ONE TRAUMA CARE: A CRITICAL RESOURCE FOR OUR COMMUNITY

The Elvis Presley Trauma Center, which is one of the busiest trauma centers in the nation, serves a region that spans Memphis, 54 counties and four states and includes urban, suburban, and rural areas. Patients present with critical injuries caused by car crashes, violence, farming and workplace accidents, falls, and more. Despite our patients having the most severe, complex injuries, 97 percent survive. This is due to the unique facilities and expertise at the trauma center, where a multidisciplinary team is available 24/7 to jump into action at a moment's notice.

Responding to traumatic injuries is an enormous, resource-intensive undertaking. Our trauma center has four shock trauma bays, 13 trauma ER beds, four trauma operating rooms, 22 trauma ICU beds, 18 critical care beds, 28 trauma step-down beds, and robust blood bank facilities. Patients receive care from an expansive team of trauma surgeons, surgical specialists, anesthesiologists, emergency medicine specialists, radiologists, cardiologists, hospitalists, trauma nurse practitioners and physician assistants, pharmacists, CRNAs, ICU nurses, surgical nurses, perioperative nurses, surgical techs, respiratory therapists, physical therapists, occupational therapists, speech therapists, orderlies, x-ray techs, lab techs, etc. Regional One Health also offers onsite specialist clinics, imaging, pharmacy, subacute care, extended care, and inpatient and outpatient rehabilitation.

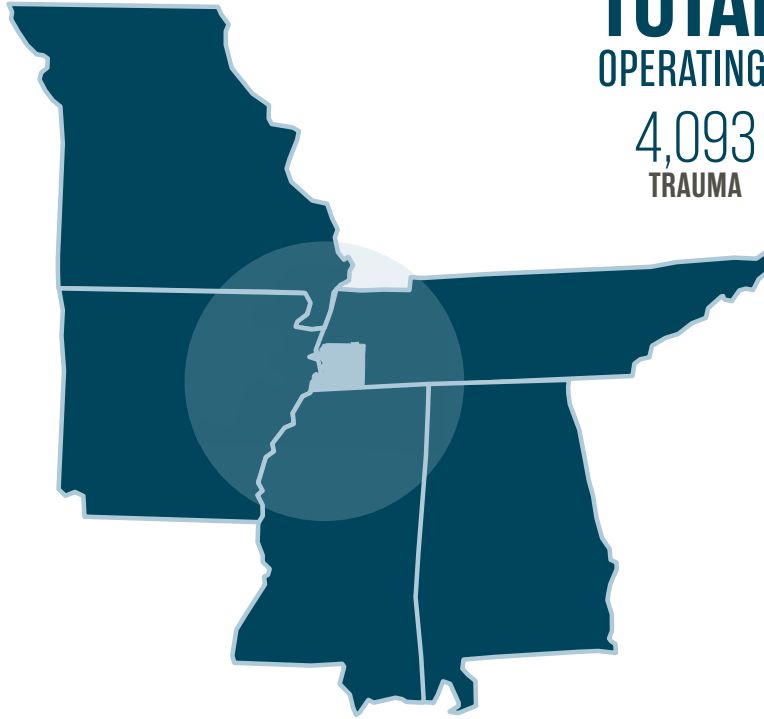
The Elvis Presley Trauma Center's impact on Memphis and the Mid-South is clear every time we look at the data that drives our operations. The numbers show that having level-one trauma care available in our community saves lives. They also tell us that we consistently deliver on our promise of providing lifesaving, life-changing care and restoring health so patients can return to their families and our community. This is what Dr. Timothy Fabian envisioned when he came to Memphis in 1980 to start the trauma program and build the trauma center. We look forward to carrying on Dr. Fabian's legacy and continuing to meet the needs of our patients through world-class medical care, research, innovation, and by training the next generation of trauma professionals.



Regional One Health's perioperative nursing team, which cares for patients before, during and after surgery, staffs four trauma ORs 24/7 every day of the year. Over 30 percent of the operations performed at the hospital are for patients with traumatic injuries.

WHO WE SERVE

The Elvis Presley Trauma Center is the only Level-1 Trauma Center in a 150-mile radius of Memphis. Our service area includes four states (Tennessee, Mississippi, Arkansas and Missouri) and is home to 2.8 million people. We also care for patients from outside our direct service area.



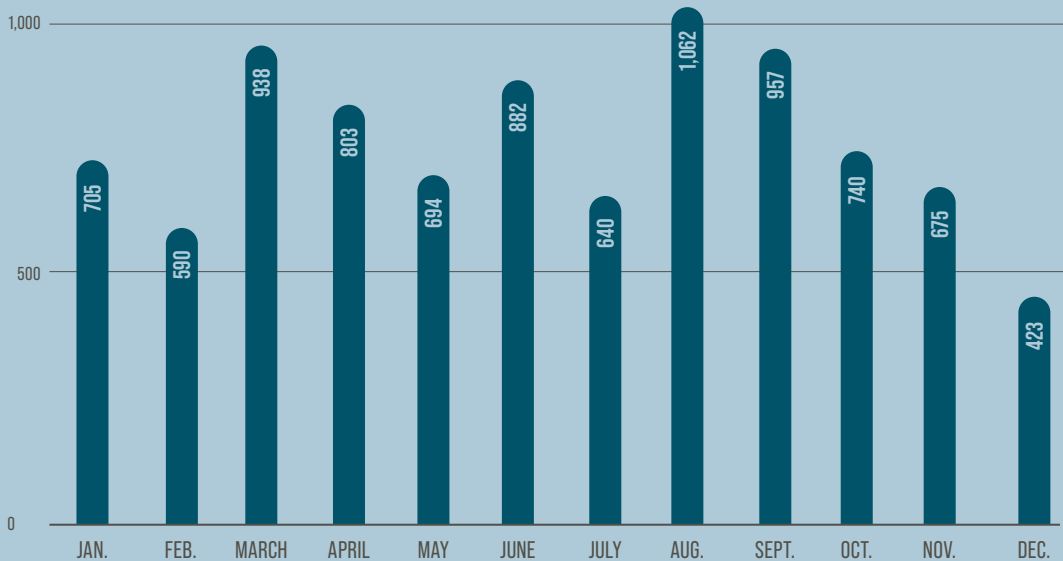
TOTAL: 5,102
OPERATING ROOM CASES

4,093
TRAUMA

1,009
BURN

BLOOD PRODUCTS

Every month, hundreds of patients receive lifesaving blood transfusions. In 2024, we utilized **9,109** units of blood in the trauma center.

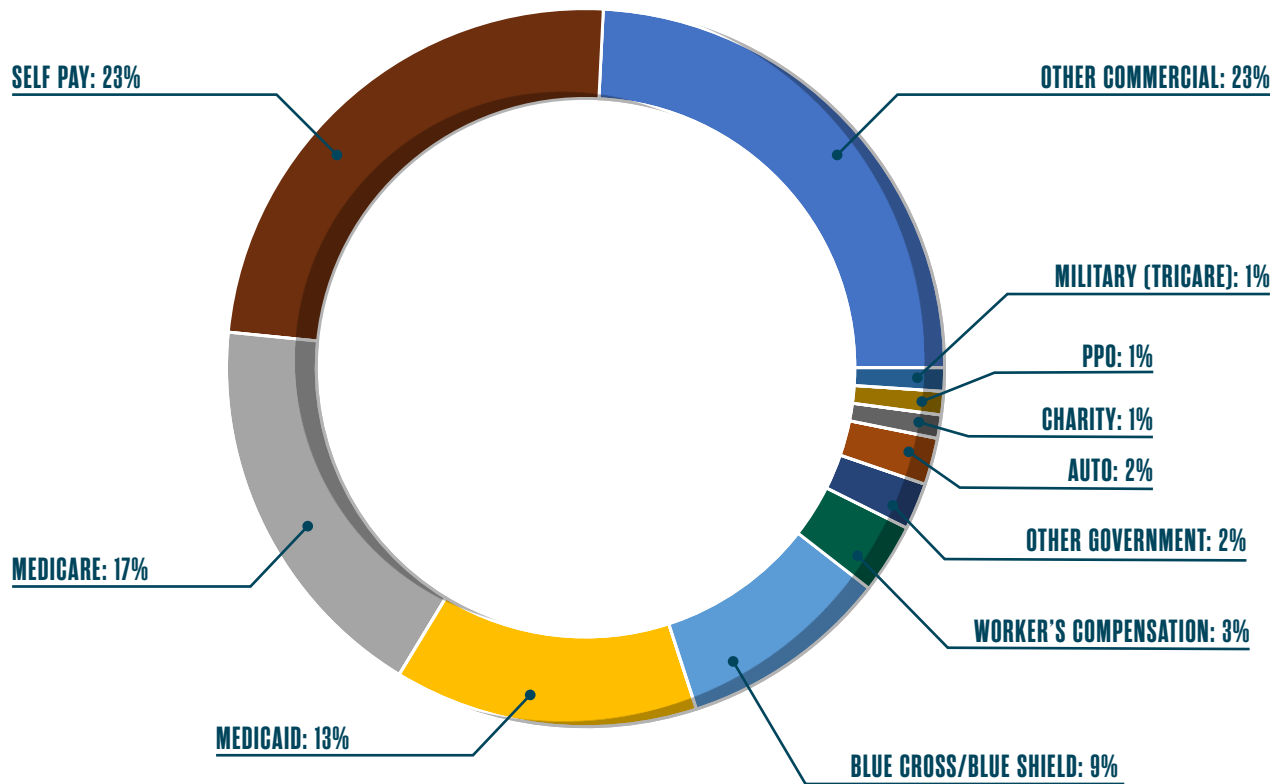


CRITICAL CARE ASSESSMENT VOLUME

Our Critical Care Assessment (CCA) is the dedicated emergency room for the Elvis Presley Trauma Center. In 2024, **12,855** patients were treated in CCA.

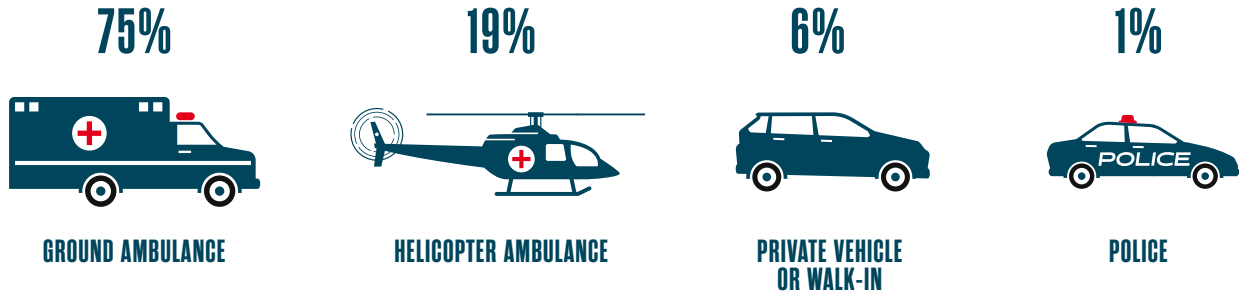
PRIMARY PAYOR

As an essential access hospital, our trauma center serves all patients, regardless of ability to pay.



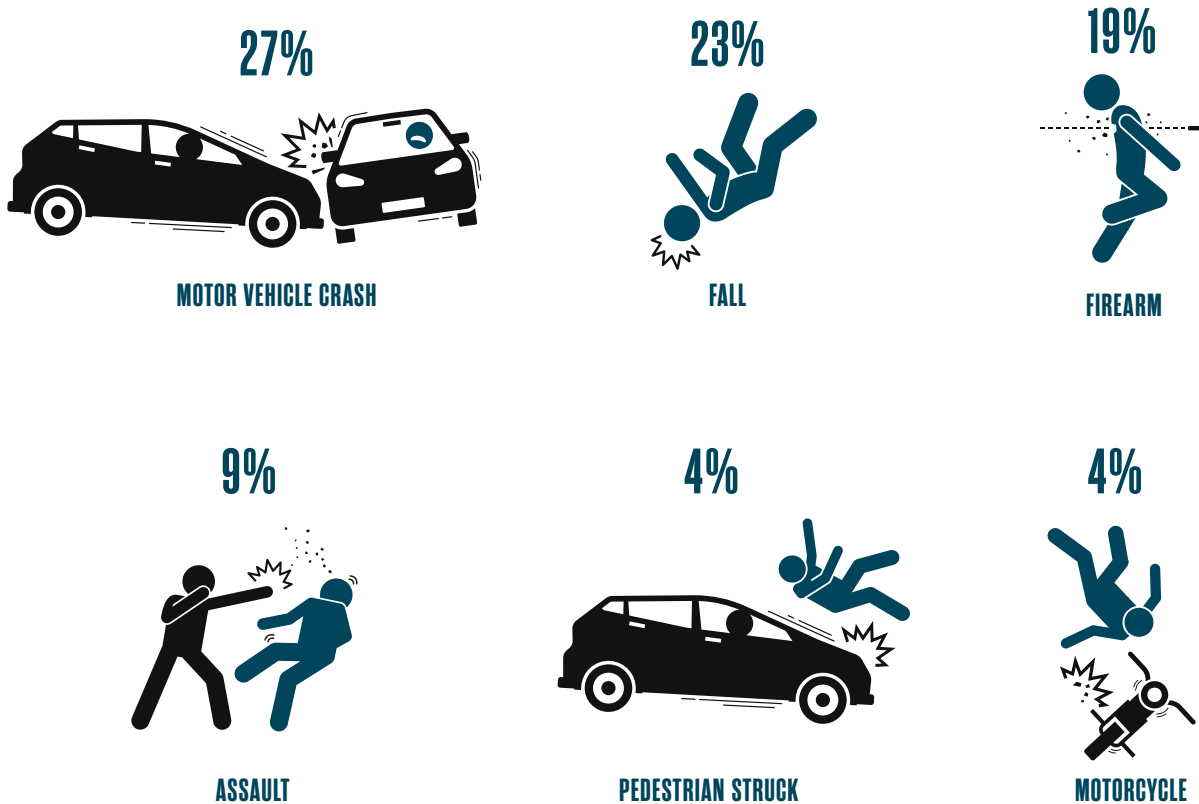
HOW PATIENTS ARRIVE

Patients come via ground ambulance, helicopter ambulance, police transport and private vehicle or walk-in.



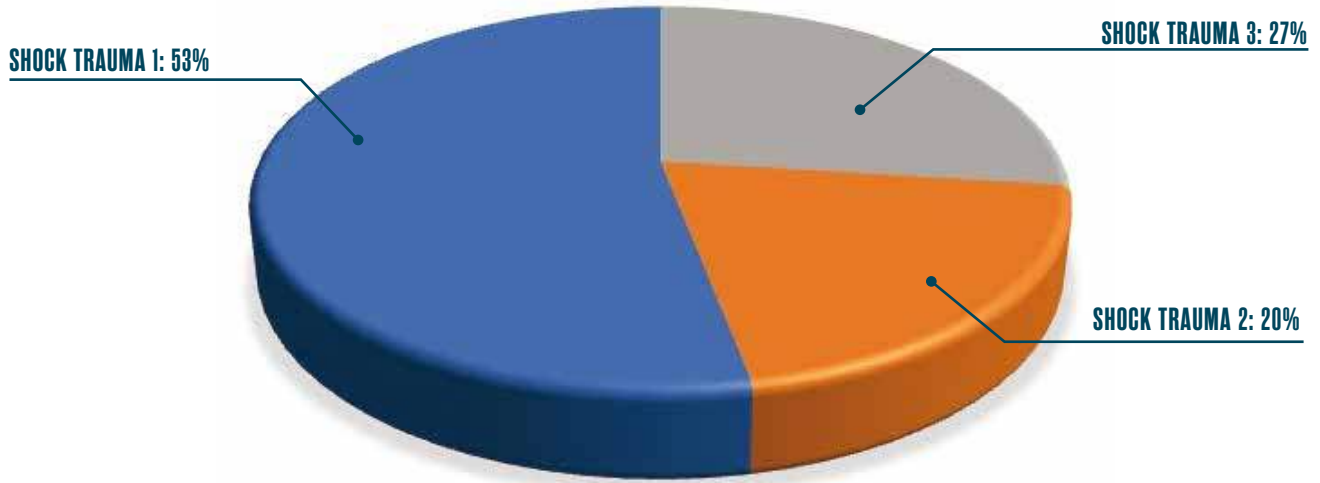
TYPES OF INJURY

The Elvis Presley Trauma Center serves a major city, suburban areas and towns, and rural areas which surround Memphis, which means we treat an extremely diverse range of injuries.



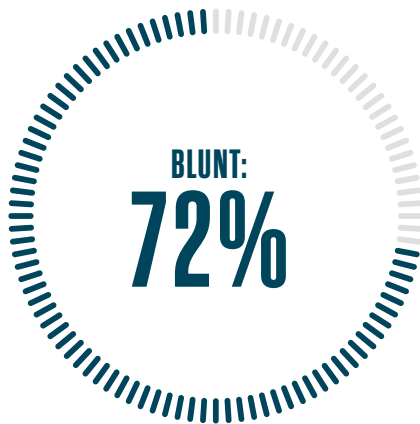
ACTIVATION CLASS

Activation details allow us to prepare for patients prior to their arrival. Shock Trauma 1 is the highest level representing immediately life-threatening injuries. Shock Trauma 2 is for injuries that are serious but not immediately life-threatening. Shock Trauma 3 patients typically have single system injuries such as a broken leg or facial fracture, or have been involved in a car crash or fall with high chance of injury but are currently stable.



BLUNT/PENETRATING INJURIES

Blunt injuries include car accidents and falls, while penetrating injuries include gunshot wounds, stab wounds and lacerations.



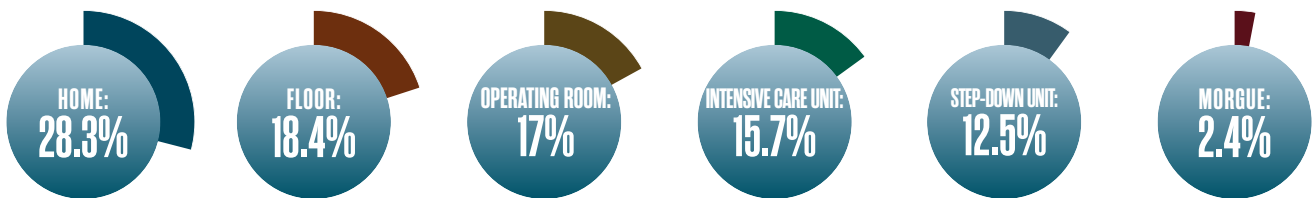
ADMISSION SERVICE

The majority of patients are admitted under the care of a trauma surgeon, highlighting our role as the region's leading providing of critical care. In 2024, there were 4,800 total trauma patient admissions.



EMERGENCY DEPARTMENT DISPOSITION

After patients leave Critical Care Assessment, they typically go straight to the ICU or Operating Room, which speaks to the severity of injuries our trauma center treats.



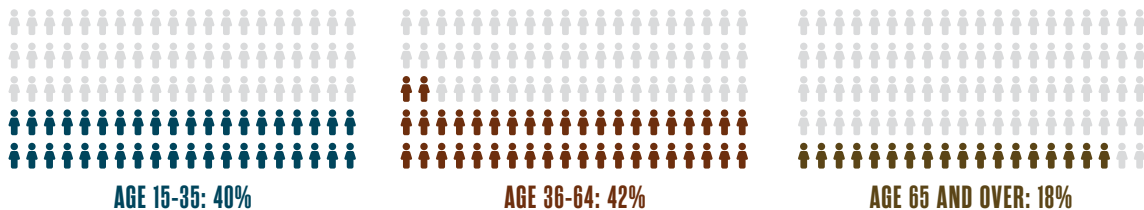
PATIENT ARRIVALS

Our strong partnerships with emergency medical services and other hospitals in our region lets us prepare for patients prior to their arrival.



AGE RANGE

Our trauma center serves patients age 15 and older.



*Data is from January-December 2024

ENSURING ACCESS TO WORLD-CLASS BURN CARE IN THE MID-SOUTH

The Firefighters Burn Center is the only full-service burn center verified by the American Burn Association in a 400-mile radius of Memphis. As a full-service facility, it provides the entire continuum of care for patients with the most severe burn injuries. This includes emergency care, acute care, acute burn surgery, reconstructive surgery, wound care, laser procedures, and both inpatient and outpatient burn rehabilitation therapy. The Firefighters Burn Center is home to the only burn-specific inpatient rehabilitation unit in the United States, and our Wound Care Center offers the only multi-place hyperbaric oxygen therapy chamber in Tennessee.

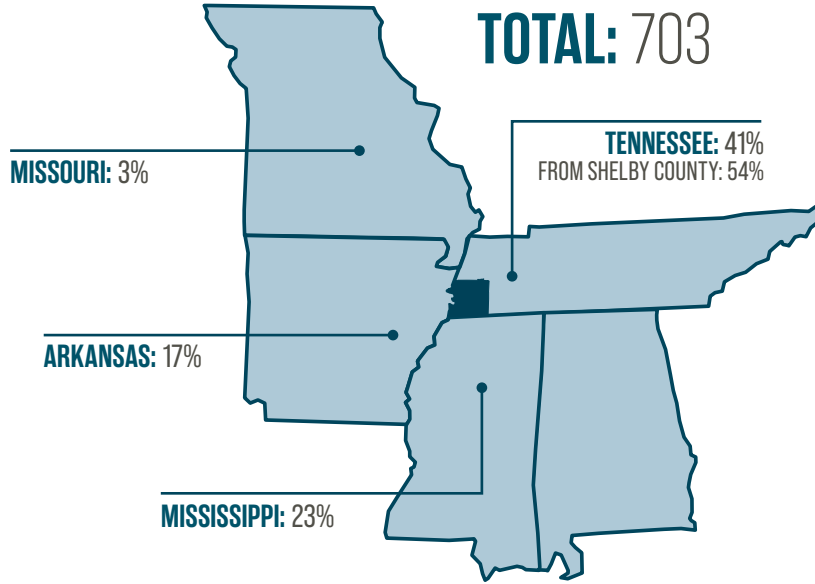
Patients at the Firefighters Burn Center receive comprehensive care in a facility designed around the unique needs of burn patients. Located in Turner Tower on Regional One Health's downtown Memphis main campus, the burn center has dedicated facilities including a three-bed emergency room, seven-bed burn intensive care unit, seven-bed burn stepdown unit, post anesthesia recovery area, and two-room operating suite. Along with the in-house rehabilitation facility and wound care center, patients have convenient access to our outpatient plastic surgery & laser clinic, which is also located on the main campus. Patients are cared for by an expert team that stays by their side for their entire treatment journey. Surgeons provide procedures that both save lives and protect function, form, and quality of life. Our advanced practitioners, nurses, therapists, and other providers are specialists in burn care, allowing them to address the unique challenges that come with these complex injuries.

Since opening the Mid-South's first burn referral unit in 1985, Regional One Health has worked diligently to ensure access to advanced burn care. The Firefighters Burn Center has been at the forefront of that mission since its opening in 1993, and we have extended our reach beyond our walls as home to ROH Burn App, a smartphone app that lets burn care providers from all over the area consult with our experts. We look forward to continuing to serve as the Mid-South's leader in burn care and to a bright future at the Firefighters Burn Center. Along with earning four re-verifications from the American Burn Association, we are pursuing accreditation from the American College of Surgeons. Most importantly, our team is excited to continue helping patients reclaim their independence and return to their loved ones and the activities they enjoy.



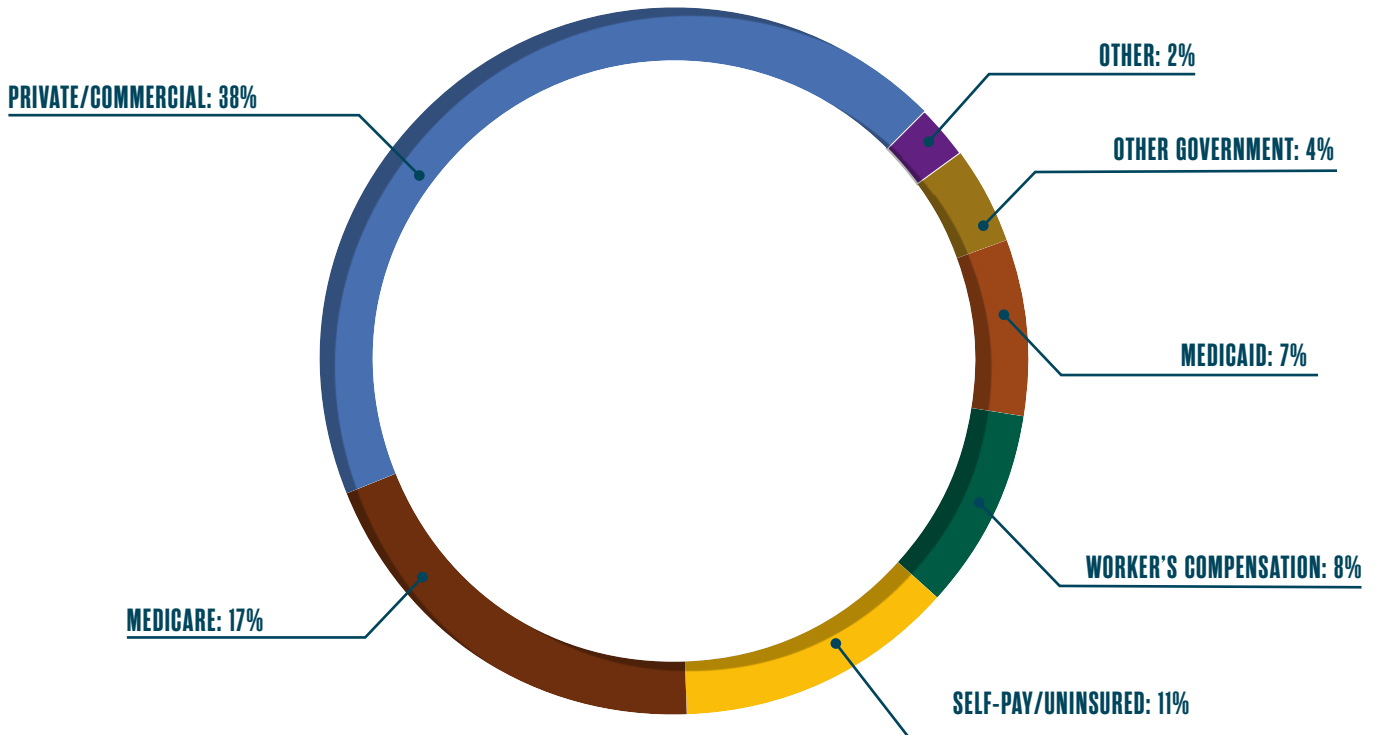
WHO WE SERVE

As the only American Burn Association-verified burn center in 400 miles of Memphis and the only ABA-verified facility in Tennessee, the Firefighters Burn Center cares for the most critically injured burn patients in the Mid-South. In 2024, we treated 703 patients in our burn emergency department, and 352 patients were admitted to the Firefighters Burn Center.



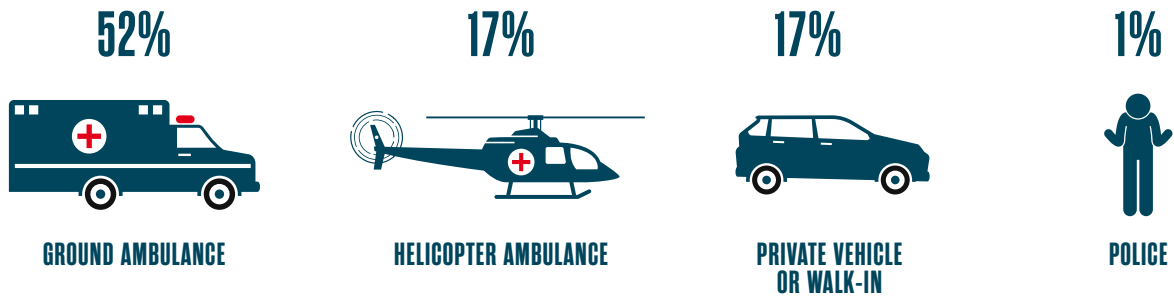
PRIMARY PAYOR

As an essential access hospital, our trauma and burn centers serve all patients, regardless of ability to pay.



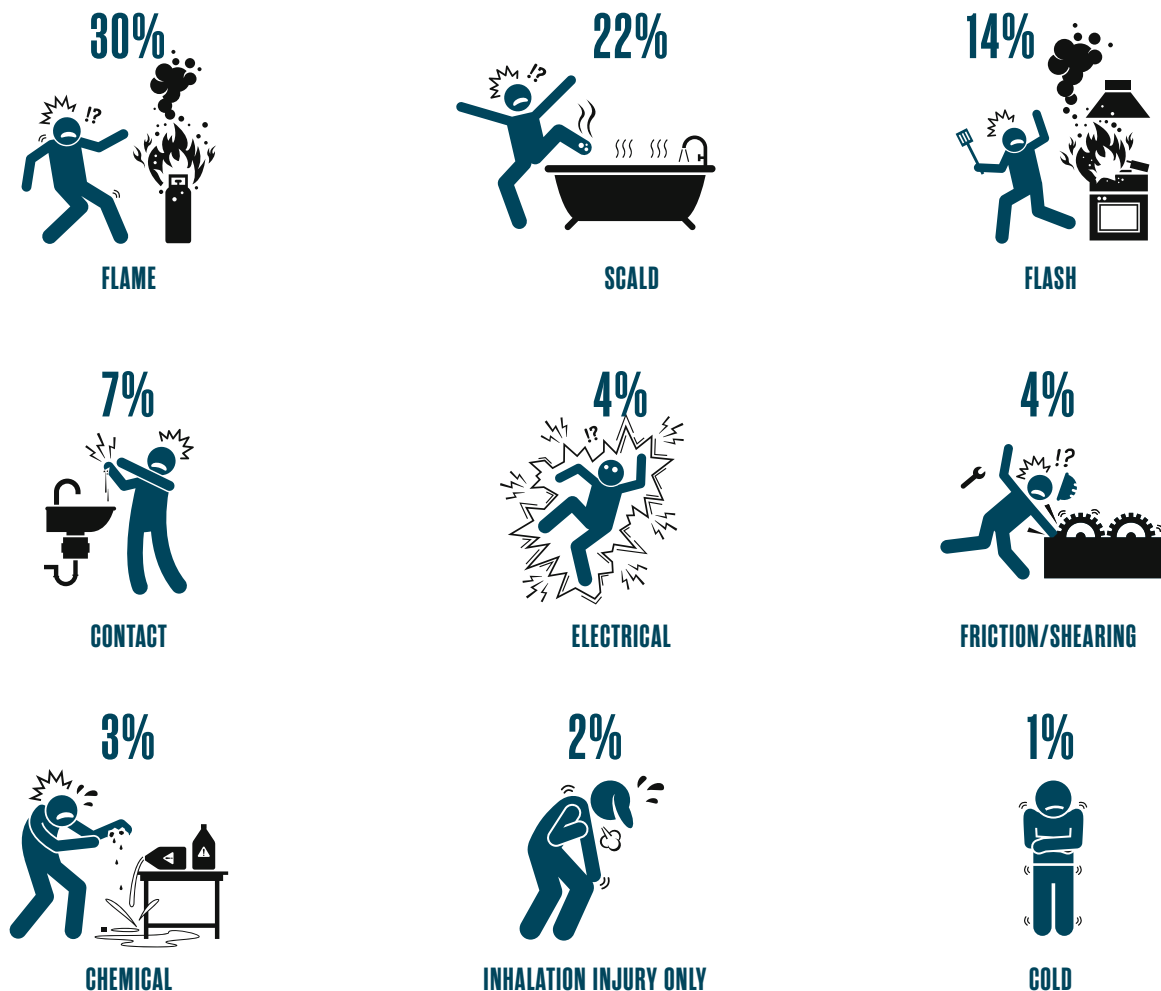
HOW PATIENTS ARRIVE

Patients come via ground ambulance, helicopter ambulance, police transport and private vehicle or walk-in.



TYPES OF INJURY

Burn injuries come from a variety of sources. Our team has the medical resources and expertise to care for all types of burns.



DESCRIPTION OF INJURIES

Burn injuries are categorized based on the Total Body Surface Area (TBSA) of the burn injury. Inhalation injuries are also classified as burn injuries.

INHALATION INJURIES: 7%	30 TO 39% TBSA: 2%	70 TO 79% TBSA: <1%
0 TO 9% TBSA: 62%	40 TO 49% TBSA: 2%	80 TO 89% TBSA: <1%
10 TO 19% TBSA: 11%	50 TO 59% TBSA: 1%	90 TO 100% TBSA: <1%
20 TO 29% TBSA: 4%	60 TO 69% TBSA: <1%	

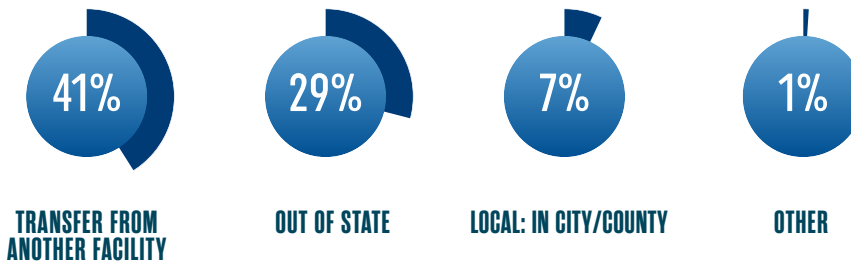
ADMISSION SERVICE

Because the Firefighters Burn Center has its own dedicated emergency department, the vast majority of our patients are admitted directly through our facility. We also admit patients through Regional One Health's Elvis Presley Trauma Center.



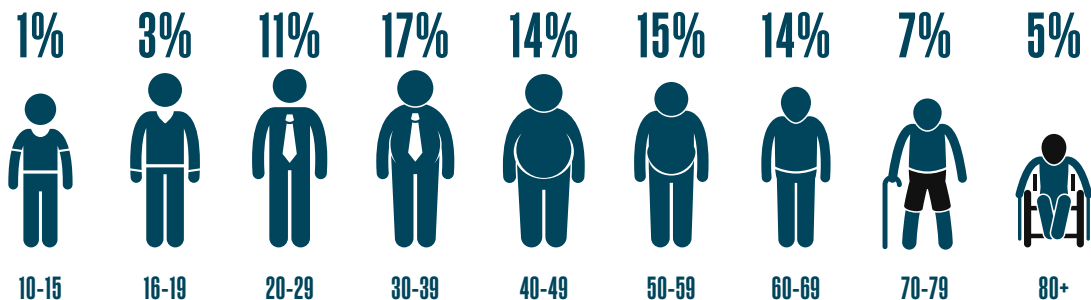
PATIENT ARRIVALS

We work closely with hospitals throughout our region to ensure the successful transfer of burn patients who require advanced care at the Firefighters Burn Center.



AGE RANGE

The Firefighters Burn Center cares for patients age 10 and older.



*Data is from January-December 2024. Some December numbers were incomplete at the time of publication.



BACK FOR A ROLE REVERSAL

After a two-month stay at the Firefighters Burn Center, Anton Hill Jr. is back — this time to care for patients as a medical professional

When Anton Hill Jr. cares for a burn patient at Regional One Health's Firefighters Burn Center, he relies on his training and experience as a medical care technician.

Hill, 24, also draws on something more personal: his own months as a patient after he suffered serious burns while working as a firefighter for the Memphis Fire Department.

"I understand no one comes in here having a great day. It's their worst day," Hill said. "I've got a soft spot for my patients because I've been there."

Hill, who was born and raised in Memphis, was working an overnight shift July 18, 2023 when his crew was called to respond to a house fire at around 11 p.m.

"I was inside the house, and the next thing you know, something from the ceiling fell," he said. "It threw me to the ground, and then the whole house ended up collapsing."

Hill was buried under debris, and for 30 terrifying minutes, he remained trapped while his fellow firefighters continued to battle the blaze, which kept reigniting. He remembers feeling the steam around him as water from their hoses hit the flames.

His colleagues were eventually able to free him, and rushed him to the Firefighters Burn Center with second and third degree burns to his legs, arm and abdomen.

As the only full-service burn center verified by the American Burn Association within a 400-mile radius of Memphis, the Firefighters Burn Center has a multidisciplinary team ready around the clock to treat the most serious burn injuries. Burns are unique and complex injuries that impact multiple systems in the body, often requiring surgery, intensive medical care, specialized rehabilitation therapy, and follow-up treatment such as wound care and laser therapy.

For Hill, that expert treatment not only helped him make a remarkable recovery, it helped define his journey for the future.

He had always wanted to go back to school to get his nursing degree, and was leaning toward specializing in pediatrics. But as he underwent care at the burn center, enduring four surgeries, he found himself curious about every aspect of his treatment.

He asked a lot of questions and learned about his injuries, and was able to relate to his nurses, many of whom were around his age and one of whom was even a former classmate. "My nurses were great – day shift and night shift. I have no complaints. I definitely had great care," he said.

As he grew stronger, he started thinking about his next steps.

Rather than dwell on the challenges of a long hospital stay, he spent the time setting goals. First, he wanted to finish the classes he was currently taking. Then, he'd take the classes he needed to be eligible for a nursing program. Finally, he'd apply and get accepted to nursing school.

“I’ve got a soft spot for my patients because I’ve been there.”

— ANTON HILL



“I couldn’t go back to firefighting because of my injuries, and my ultimate goal had always been to become a nurse,” he said. “I started thinking about burn.”

So, while continuing with outpatient rehab and laser treatments, Hill was also getting certified as a medical care technician. In 2024, he joined the team at the burn center, where he is responsible for performing wound care, providing hydrotherapy to clean burns, and assisting nurses.

He’s starting nursing school in January 2025 with plans to graduate in late 2026. After that, he wants to continue working at the Firefighters Burn Center as a burn ICU nurse.

“It’s been cool because everything that was done to care for me, I understand more why it was done,” he said. “You’re always learning. Every burn is different; every treatment is different. But fortunately, for a lot of our patients, the outcome is the same.”

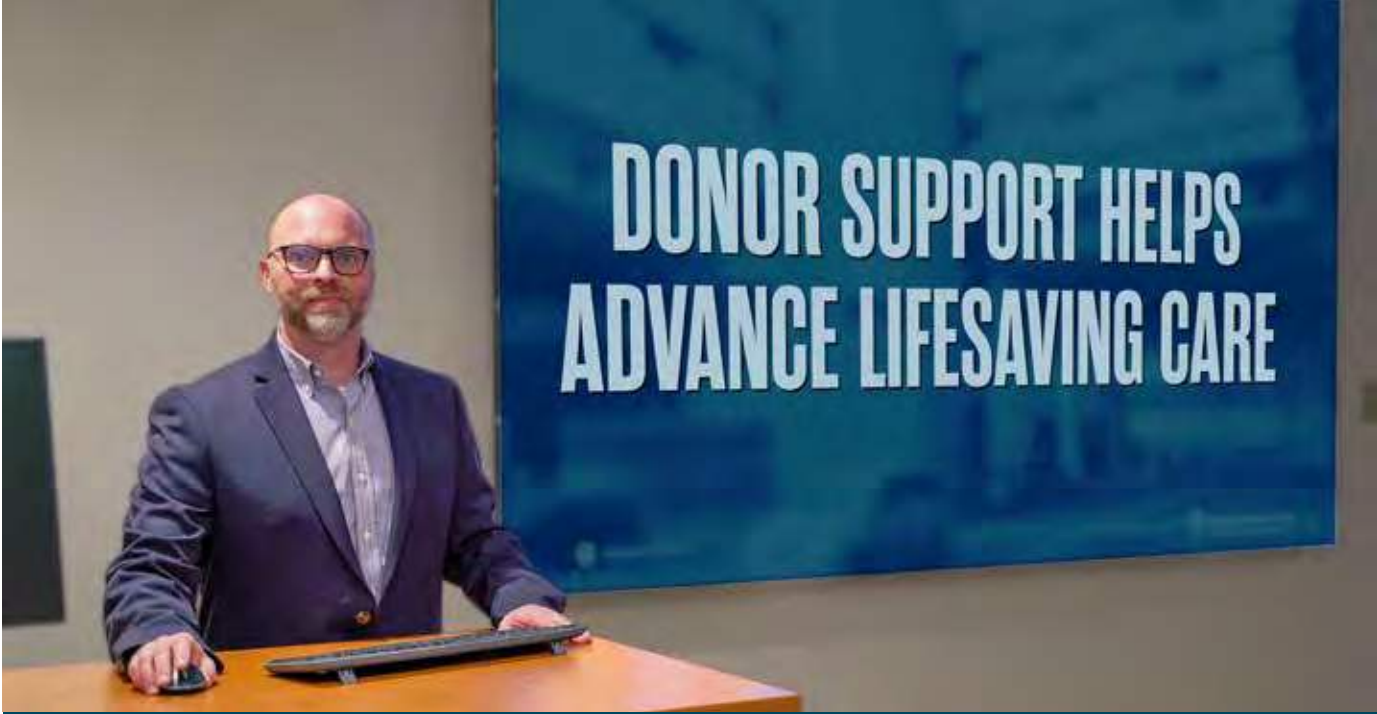
Indeed, the Firefighters Burn Center has a documented track record of not only helping patients survive serious injuries, but getting them back to the activities they enjoyed before their injury. They accomplish this thanks to world-class resources and the highest level of expertise delivered by a team of surgeons and specialized nurses, advanced practitioners, therapists, pharmacists, etc. who focus on helping patients regain independence and function.

For Hill, it offered a chance not only to fulfill his own dreams, but to help others fulfill theirs.

Professionally, he’s putting his passion for serving his hometown to work at the burn center and looking forward starting nursing school. Personally, he’s enjoying time with family and sharpening his cooking skills: “That’s been my hobby lately. I’m always looking for something new to try,” he said.

Meanwhile, watching his patients get back to their own families, hobbies and careers is humbling, and Hill is grateful that he can be a source of hope by sharing his own story with the people he cares for. “I like that I can do the job and also say I’ve been through it before,” he said. “I can be empathetic and sympathetic.”

Learn more about the burn center at
www.regionalonehealth.org/firefighters-burn-center



It takes an intense commitment and good partnership to become one of the busiest and most recognized trauma centers in the country. The Regional One Health Foundation is an important partner in providing generous support for the exceptional trauma care delivered at the Elvis Presley Trauma Center.

In health care, philanthropy is truly transformative, and the generosity of Foundation donors has allowed our trauma team to advance care through enhanced training, technology and other resources. During fiscal year 2023, the Foundation helped us purchase several pieces of ultrasound equipment to help guide the resuscitation of critically injured trauma patients in the ICU and renovate our auditorium to provide a high quality space for educating future trauma providers so we can excel on our educational mission.

As we look to the future, continued donor support for the Elvis Presley Trauma Center will be crucial. The population of our service area continues to grow and rates of traumatic injury continue to rise. At the same time, state trauma funding is falling, causing small hospitals to close and more patients to be diverted to Regional One Health.

With the Foundation's support, we look forward to meeting our community's critical care needs while working to advance trauma care for patients everywhere through research and innovation.

Learn more about the Foundation and how to support a team that is "Specializing in Tomorrows" for patients all over the Mid-South.



Scan the QR code to donate to the Foundation.





COMMUNITY OUTREACH AND INJURY PREVENTION PROGRAM

At the Elvis Presley Trauma Center and Firefighters Burn Center, our mission is to protect life, health, and safety in our community. While we are proud to offer the resources and expertise to provide lifesaving medical care for critical injuries, it is always best to prevent those injuries in the first place. That is why our education, outreach, and injury prevention initiatives are a core part of our mission.

Our robust Community Outreach/Injury Prevention Program is designed around the needs of our service area. Along with offering outreach and education through social media, traditional media, community events and other channels, we provide evidence-based onsite training for medical professionals, civic groups, churches, schools, businesses, etc. These programs help members of our community protect themselves and their loved ones from common causes of injury.

Regional One Health is also home to "The Bridge," the Mid-South region's burn app. This unique service allows medical personnel at hospitals throughout our service area who are caring for burn patients to communicate with our experts via smartphone.

- **Hospital Violence Intervention Program:** HVIP Liaisons work with patients who present with gunshot wounds, stab wounds, and injuries from assaults to assess their needs and connect them with resources such as education, job training, health care, and community organizations that support positive choices. When patients are approached at the "teachable moment" following a violent injury and accept assistance it has been shown to decrease reinjury and retaliation.
- **Stop the Bleed:** Stop the Bleed is registered program of the American College of Surgeons that gives bystanders evidence-based, step-by-step instructions to render first aid for severe bleeding.
- **Fall Prevention:** This class educates high-risk individuals, especially the elderly, to prevent falls at home and work.
- **Be SMART:** This training, created by Everytown for Gun Safety, promotes responsible gun ownership, safe gun storage, and awareness about preventing child gun deaths.
- **Distracted Driving and Violence Prevention (DDVP):** Taught by state troopers, this class teaches teens about the dangers of impaired driving.
- **Professional Education:** Trauma education for medical professionals is always in high demand. Regional One Health is committed to offering these courses and presentations both regionally and nationally.
- **American Burn Association:** As an ABA-certified facility, the Firefighters Burn Center has full access to education, prevention and support resources offered by the ABA.

To learn more or schedule, contact traumaoutreach@regionalonehealth.org.



PREPARATION, PLANNING SAVES LIVES IN MASS DISASTERS

As a level-one trauma center and American Burn Association-certified burn center, part of our mission at Regional One Health is to be ready for anything. That includes the type of mass disasters no one wants to think about but too many communities find themselves facing. Violence, extreme weather, transportation incidents, etc. can send numerous severely injured patients to the hospital simultaneously. While we all hope this never happens, our critical care professionals are always ready to respond with expertise and skill.

“If anything occurs where there are a lot of serious injuries, they’re coming to Regional One Health,” Director of Safety and Emergency Management Ashton Anderson said. “We are going to take care of them. We don’t just hope for the best, we have a plan and we test it.”

We prepare year-round for mass casualty events to achieve a constant state of readiness. Led by Anderson, our team tests and refines our emergency response plan through quarterly drills, including an annual countywide event that lets us work with medical, law enforcement, and emergency medical services partners. We practice implementing every phase of our plan, how to respond under pressure, and how to best manage resources. We look for what needs to be refined so we can fix problems in a mock emergency and avoid them during a real crisis.

This advanced training and expertise allows our entire team to react effectively to mass casualty events. It starts with prompt notification from EMS, which triggers activation of our Mass Surge Plan. We call in extra staff and mobilize personnel throughout the hospital. Everyone has a role: security, nursing, physicians, respiratory therapy, X-ray techs, registration and admissions, operating room staff, environmental services, etc. Patients are relocated to make room for an influx, additional operating rooms and ICU beds are set up, blood units are prepared, etc. By the time patients arrive, we are ready to instantly provide the care they need.

In 2021, Regional One Health experienced a real-life mass surge activation after a shooting at a grocery store in suburban Collierville. “We were able to mobilize patients who were already in the hospital to free up space to assess, stabilize and treat the patients coming to us,” Andrew Kerwin, MD, Chief of Trauma and Trauma Medical Director, said. “Being prepared to serve our community is one of the key facets of the trauma center, and this situation highlights the incredible legacy here at Regional One Health in terms of serving not only the City of Memphis, but the surrounding area.”



2024 TRAUMA & BURN CONFERENCE

PROVIDING ESSENTIAL TRAINING FOR CRITICAL CARE PARTNERS

As the Mid-South's level-1 trauma center and full-service burn center, Regional One Health cares for critically injured patients from across several states – but our lifesaving mission extends even further.

The experts at our Elvis Presley Trauma Center and Firefighters Burn Center are also dedicated to sharing knowledge and experience with other providers, and that commitment was on display at the 2024 Trauma & Burn Conference March 28-29.

The conference drew more than 100 critical care professionals including physicians, nurses, and emergency medical service providers.

“As a level-one trauma center and American Burn Association-verified burn center, it is part of our commitment to provide this type of education,” said Josh Dugal, Senior Director of Trauma and Burn Services.

“It’s also the right thing to do for patients. Patients rarely come directly to our trauma center or burn center from their point of injury – they’re cared for by EMS or another hospital first. By sharing our knowledge, it means better care for these patients before they arrive at Regional One Health and better outcomes once they get here.”

Demarcus Nash, MHA, Burn and Trauma Services Client Relations Manager, said there is a significant need and desire for emergency medicine training in the Mid-South.



SAVE THE DATE!

The **2025 Trauma & Burn Conference** will be held on **Thursday, April 24** at the **Guest House at Graceland**. This full day of education will be supplemented with trauma and burn specific courses being held the days leading up to the conference.

“There are a lot of EMS, air ambulance services, and hospitals in rural areas, and we get calls all the time asking for training opportunities,” he said. “The conference is a wonderful chance for us to provide the type of information and education they’re looking for.”

The conference included hands-on training and presentations, and attendees were eligible for continuing education credits. Attendees learned about trauma resuscitation, ultrasound skills, burn care simulation, first-aid for severe bleeding, and more. It was also a chance for emergency medicine professionals to build relationships that will benefit them as they care for patients.

“As a level-one trauma center and American Burn Association-verified burn center, it is part of our commitment to provide this type of education.”

— JOSH DUGAL

“Providing hands-on training gives providers practical skills they can immediately use, and we’re happy to have a chance to offer that opportunity to the professionals who help us care for critically injured patients in our community,” Dugal said.

“This was a chance to provide experience and training for people who have been asking for it,” Nash added. “We want to build on that so we can offer more and more providers this education. We’re happy to be able to satisfy that need.”



IMPROVING BURN CARE THROUGH ROBUST RESEARCH



“Being able to help people is what we’re passionate about:” Through a robust research program, David Hill, PharmD and his team are improving burn care

Burn injuries are unique in the way they impact systems throughout the body, cause severe pain and potential for infection, and disrupt a patient’s mental health and quality of life. Therefore, burns are often left out of clinical research studies that seek new ways to care for critical injuries.

Regional One Health Critical Care Pharmacist and Director of Burn Research David Hill, PharmD, MS, FCCM, FCCP, BCPS, BCCCP and his team are out to change that with a robust research program designed to improve patient care at our Firefighters Burn Center and beyond.

“Once you start doing research, it becomes a way of thinking,” said Hill, who published his first paper while he was still a student. “I’ve always wanted to answer questions and solve problems. With research, we can help by being analytical, providing support, and finding new solutions.”

As the only full-service burn center verified by the American Burn Association in the Mid-South, the Firefighters Burn Center treats the most severe burn injuries in our region. Hill said it is an excellent environment for finding new patient care concepts to explore.

“A lot of things can spark an idea for research – direct patient care, reading someone else’s work, seeing a trend in a patient population, seeing problems on our own doorstep that we want to fix,” he said. “Everyone on our team comes up with great ideas for research.”

In the past several years, they have focused on two key issues: pain management and infection prevention and treatment.

“Finding an answer to a patient’s pain after they’re burned is something the medical community has yet to do,” Hill said. “There are medications that are still understudied that we can explore, and new pathways to discover. There are also non-medication approaches, like education and setting expectations with patients, that haven’t been fully explored.”

Meanwhile, Hill said, infection prevention and treatment is an area where many researchers are especially hesitant to include burn injuries.

“Preventing infection and source control should be our focus,” he said.

During the past year, a lot of the team’s work responded to the reality that multidrug-resistant pathogens are getting worse all the time.

“Bacteria evolve faster than we can find treatments and some even transfer resistance mechanisms to other species of bacteria,” Hill explained. “As a worldwide concern, providers often use topical antimicrobials to treat and prevent infection. We try not to use them too much in prevention, but with a very large burn topical agents can be an effective measure to limit systemic exposure. We suspect these topical medications can create superbugs and dictate what grows next, but incidence and contributing factors are underreported.”



The team published several studies, such as “A Pilot Analysis for a Multicentric, Retrospective Study on Biodiversity and Difficult-to-Treat Pathogens in Burn Centers across the United States” and a letter to the editor in the *Journal of Burn Care & Research* responding to a recent manuscript titled, “Multidrug-Resistant Organisms: The Silent Plight of Burn Patients.”

Infection and pain will continue to be areas of focus for future research, and Hill is also excited about studying techniques to improve burn shock resuscitation.

“After a big burn injury your blood vessels get little holes in them, and that doesn’t allow you to keep fluid in. You need to perfuse the organs to deliver oxygen and nutrients, but you have less volume in the vessels,” he said. “I think we’ve got some good answers on the horizon, and I look forward to continuing to study it clinically.”

For the team, research is a labor of love – and something they take on eagerly despite challenges that go beyond those in the clinical setting.

Research is not part of their formal job description, often leading to work beyond scheduled hours – meaning days spent helping care for critically-ill patients, providing medications, developing treatment plans, assisting nurses and therapists, educating students, etc. are followed by nights working on research.

Along with the actual bedside component, successful research involves designing an effective study, finding funding to support the work through grants or industry partnerships, performing statistical analysis, writing and submitting the publication, and more.

“It’s a journey,” said Hill. “It takes a lot of effort and you’ve got to want to do it. It definitely takes a team approach. For young investigators, I recommend finding a mentor or multiple mentors. Lean on others to help you – you don’t have to do everything by yourself. The team should feel empowered and take pride in owning bits and pieces of the process.”

“**Finding an answer to a patient’s pain after they’re burned is something the medical community has yet to do.**”

— DAVID HILL, PharmD

Hill has seen that mantra work wonders at Regional One Health, where he completed his pharmacotherapy and critical care residencies and has been working for the past 15 years. “One of my mentors ingrained in me to ‘Pay it forward,’” he said.

He noted patient care and research are truly a team effort at the burn center, and he and the team are proud to play a role that goes beyond providing medications.

“I love working with the multidisciplinary team at the burn center, and as pharmacists, we’re here to help any way we can. It’s not just medications, it’s problem-solving, talking to patients, helping with wound care, even grabbing a new set of sheets – anything a team member may need to care for their patients that day,” he said. “That extends to research. We’re always looking for ways to improve not only the overall care for our patients, but future patients around the world.”

“It feels very much like a second family, and we tell patients, ‘You’re our family now,’” he said. “Being able to help people is what we’re passionate about.”

ELVIS PRESLEY TRAUMA CENTER PUBMED PUBLICATIONS FOR 2024

ELVIS PRESLEY TRAUMA CENTER

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Byars VH, Byerly SE, Dong CT, Lenart EK, Evans CR, Kerwin AJ, Filiberto DM. *Am Surg*. 2024 Aug;90(8):2061-2065. doi: 10.1177/00031348241244641. Epub 2024 Apr 3. PMID: 38568507.

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FIREFIGHTERS BURN CENTER

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At the heart of our community stands Regional One Health, a beacon of hope for all – irrespective of their financial means. We are the vital lifeline for critically injured trauma patients, a significant portion of whom face the daunting reality of being uninsured. Our reach extends to 129 counties, providing world-class care for serious illnesses like cancer and heart disease to underserved populations who would otherwise have nowhere to turn.

Imagine a newborn's fragile life, hanging in the balance, now cradled in safety because of the advanced care we provide. Envision the relief of those in crisis, finding expert care and solace within our walls. By supporting us, you're not just donating to a hospital; you're fortifying the health and vibrancy of Memphis and the Mid-South.

Your contribution is a catalyst for change. It's an investment in compassionate care that tackles health disparities, cutting-edge medical innovation, and in nurturing connections that make families whole.

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