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2020 YEAR IN REVIEW

Trauma and Burn Centers

At Children's Hospital Colorado



Children's Hospital
Colorado

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From the Desks of Our Trauma Medical Directors

Dear colleagues,

Our Trauma and Burn Centers 2020 Year in Review highlights some of the extraordinary work carried out every day by our prehospital partners, physicians, nurses, therapists and staff. We combine outstanding care, cutting-edge science, education and advocacy to provide optimal outcomes for our patients and yours. Whether you need a quick phone consult or an immediate referral for a pediatric patient, we're here to help. Our in-house pediatric surgeon is available for phone consultation at any time, day or night, through OneCall at 720-777-3999. You can reach me or any of the other physicians or services highlighted in this report by calling the Trauma and Burn Center at 720-777- 6282 between 7 a.m. and 5 p.m., Monday through Friday.

Find more information at childrenscolorado.org/trauma and childrenscolorado.org/burn. Your questions, comments and suggestions are always welcome.



Steven L. Moulton, MD

Director, Trauma and Burn Services

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720-777-3625

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For injured children, seconds matter and miles equal minutes. That is why the opening of the new Children's Hospital in Colorado Springs was such an extraordinary milestone for pediatric trauma care in Southern Colorado. By building a state-of-the-art facility, and staffing it with pediatric-specialty trained providers, Children's Colorado has dramatically extended its reach to care for injured children in need.

For children in Southern Colorado and Northern New Mexico, our facility anchors a trauma program capable of providing comprehensive pediatric trauma care within close proximity. The care we provide covers the full spectrum of medical specialties, including general and trauma surgery, anesthesia, critical care, emergency medicine, orthopedics, neurosurgery, otolaryngology, radiology, and rehabilitative medicine. All of these pediatric specialists work in close concert with a nursing and technician staff who exclusively care for children. Understanding that caring for children means caring for their families as well, our hospital also provides compassionate, supportive, social services to the parents and families of our patients.

Our hospital's governing board, executive leadership, administrative and medical staffs are working tirelessly to ensure that we provide the highest level of pediatric trauma care at our southern flagship location. By partnering with emergency medical and prehospital providers in our area, and leveraging the combined talents of the hundreds of people who work exclusively at our Colorado Springs hospital, we have produced outstanding outcomes for thousands of children who have required emergency medical care, while providing educational outreach and advocacy services to the communities that we serve.

We are here to help care for any injured child or adolescent on a 24/7, 365 basis. All of the resources of Children's Hospital Colorado – Colorado Springs can be at your disposal and immediately available through our OneCall triage and referral lines at 719-305-3999.



John F. Bealer, MD

Trauma Medical Director

Children's Hospital Colorado – Colorado Springs

john.bealer@childrenscolorado.org



State and ACS-Verified Level 1 Pediatric Trauma and Burn Center on the Anschutz Medical Campus

Our multidisciplinary Level I Regional Pediatric Trauma and Burn Center provides timely, comprehensive, cost-effective care for children with single or complex multisystem trauma and burn-related injuries.

We are the only American College of Surgeons-verified Level I Pediatric Trauma Center in Colorado and the seven-state Rocky Mountain region. As a regional resource center, we set the standard for pediatric trauma and burn care.

We treat children with traumatic injuries such as:

- Epidural or subdural hematoma
- Thoracic or cardiac injuries
- Solid organ injuries
- Pelvis or femur fractures
- Non-accidental trauma
- Burn injuries

We coordinate pediatric transport within our statewide and regional trauma systems, equipping our dedicated 24/7 pediatric specialty transport team with critical care air and ground ambulances. Our nurse, respiratory and emergency medicine technician teams are the only teams in the entire multistate region offering high-frequency ventilation and nitric oxide therapies.

Regional trauma and burn center 2020 referrals

1,092
Colorado

71
Wyoming

26
Nebraska

22
Kansas

7
South Dakota

3
Montana

2
New Mexico

1
Minnesota

1
North Dakota

1,225
Total

State-Verified Level 2 Trauma Center at Children's Hospital Colorado – Colorado Springs

When time is critical, comprehensive trauma care is now much closer for children in southern Colorado and northern New Mexico. Our state-verified Level 2 Trauma Center can provide immediate, life-saving care for the severest of injuries and can support a child or adolescent and their family throughout their recovery. We treat the full spectrum of injury including:

- Severe closed and penetrating head injuries (such as epidural and subdural hematomas)
- Thoracic and abdominal injuries (such as liver and spleen laceration)
- Non-accidental trauma or neglect
- All varieties of fracture management including pelvis and long-bone fractures
- Sports injuries

Colorado Springs trauma center 2020 referrals

359
Colorado

1
Wyoming

1
New Mexico





Our Pediatric Trauma Subspecialty Team

- | | |
|------------------------|---------------------------------------|
| 9 Trauma surgeons | 15 Otolaryngologists |
| 16 Orthopedic surgeons | 3 Hand surgeons |
| 4 Cardiac surgeons | 4 Plastic surgeons |
| 5 Urologists | 26 Critical care intensivists |
| 9 Ophthalmologists | 66 Emergency medicine physicians |
| 3 Gynecologists | 11 Rehabilitation medicine physicians |
| 9 Neurosurgeons | |

Trauma Centers

The Children’s Colorado Trauma System serves a large geographic area extending from the Canadian border through Montana, Wyoming, North and South Dakota, Western Nebraska, Kansas, New Mexico and the entire state of Colorado.

8 years

Mean age

The mean age of children treated at Children’s Colorado is younger than comparative hospitals reporting to the American College of Surgeons Trauma Quality Improvement Program (ACS TQIP).

0.68%

Mortality rate

The overall rate of death for injured children ages 0 to 18 is lower at Children’s Colorado than at other hospitals across the nation that submit data to the ACS TQIP database.

Traumatic injuries treated at Anschutz



Traumatic injuries treated at Colorado Springs





Emergency Medical Services

We build relationships with emergency medical services providers to ensure the best outcomes in pediatric trauma care. Our Transfer Center facilitates communication between prehospital providers, emergency medicine physicians and trauma surgeons, so that we can anticipate each patient's unique needs prior to arrival.



Transport Modes in 2020 to Children's Colorado Trauma Centers

Level 1 RPTC

Anschutz

52% Ambulance

7% Aircraft

41% Privately owned vehicle

Level 2 TC

Colorado Springs

42% Ambulance

7% Aircraft

51% Privately owned vehicle

Pediatric Emergency Medicine

Our Emergency Departments are the point of entry for our trauma centers. Our emergency medicine physicians, advanced practice providers and more than 400 nurses and ancillary staff deliver high-quality emergent and urgent care to children of all ages, around the clock, serving an enormous geographic area that encompasses Colorado, Wyoming, Montana, North and South Dakota, Western Nebraska, Kansas and New Mexico.

Our full-time emergency medicine faculty members are board-certified in pediatric emergency medicine. We care for a wide array of acuities and conditions, in addition to directing Flight For Life pediatric transports and providing 24/7 phone consultation for primary care providers and emergency departments throughout the region.

The Anschutz Pediatric Emergency Medicine Team

- Kathleen Adelgais, MD,
Trauma Liaison

Michelle Alletag, MD

Lalit Bajaj, MD

Cortney Braund, MD

Alison Brent, MD

Kristina Brumme, MD

Ryan Caltagirone, MD

Kevin Carney, MD

Beth D'Amico, MD

Julia Freeman, MD

Timothy Givens, MD

Joe Grubenhoff, MD

Maya Haasz, MD

Sarah Halstead, MD

Matthew Harris, MD

Jonathan Higgins, MD

Bernadette Johnson, MD

Peter Kazura, MD

Jill Keyes, MD
- Kristin Kim, MD

Patrick Mahar, MD

Maria Mandt, MD

Marilyn Marr, MD

Dyllon Martini, MD

Marcy Mendenhall, MD

Jeffrey Michael, MD

Megan Mickley, MD

Rakesh Mistry, MD

Nidhya Navanandan, MD

Tara Neubrand, MD

Jonathan Orsborn, MD

Arleta Rewers, MD

Mark Roback, MD

Laura Rochford, MD

Kelley Roswell, MD

Mary Saunders, MD

Sarah Schmidt, MD

Jessica Schnell, MD

Halden Scott, MD
- Eika Sidney, MD

Marion Sills, MD

Jennifer Smedley, MD

Summer Smith, MD

Stephanie Staab, MD

Melisa Tanverdi, MD

Irina Topoz, MD

Tien Vu, MD

George Wang, MD

Joseph Wathe, MD

Keith Weisz, MD

Alexandria Wiersma, MD

Kim Zimmerman, MD

The Colorado Springs Pediatric Emergency Medicine Team

- David Listman, MD,
Trauma Liasion

Bob Kelly, MD, EMS Liason

Jenn Bellis, MD

James Brown, MD

Chris Cavagnaro, MD

Mike DiStefano, MD

Katherine Huston, MD

Ashley Mazo, MD

Sarah Mellion, MD

Eric Nau, MD

Jonathan Reeves, MD

Miguel Sandoval, MD

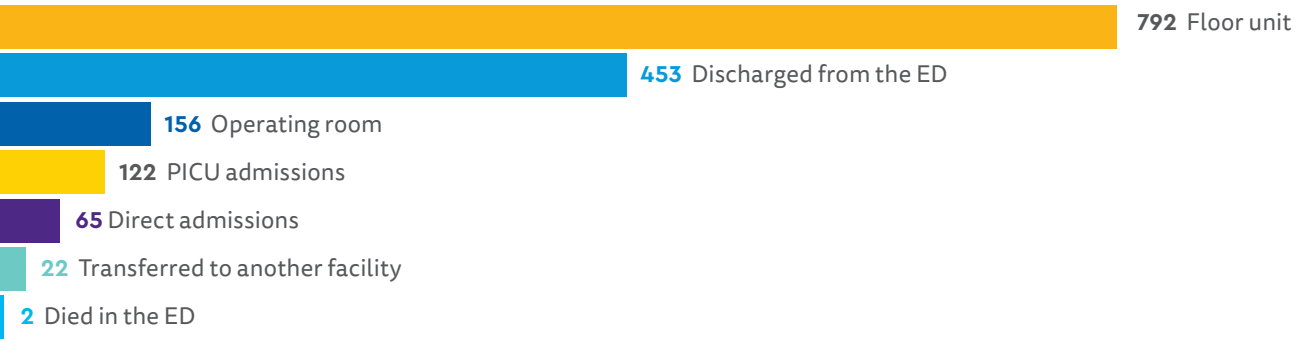
Lillie Sarraff, MD

Paul Szeffler, MD

Anschutz Volume



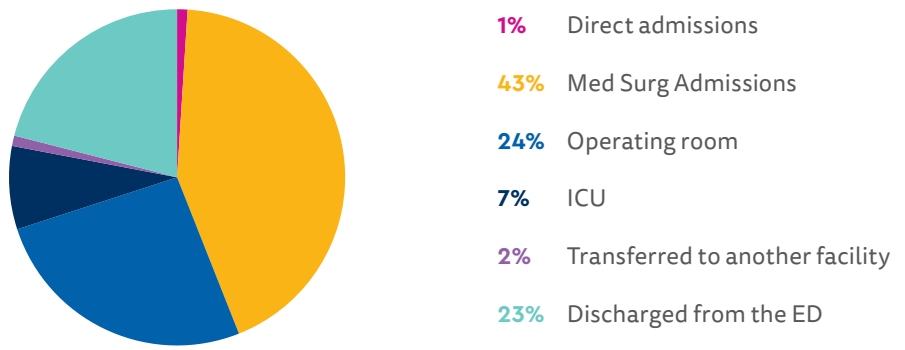
Trauma Patient Disposition in 2020 at Anschutz



Colorado Springs Volume



Trauma Patient Disposition in 2020 at Colorado Springs





Pediatric Surgery

As a consistently top-ranked pediatric hospital, we offer several nationally recognized surgical procedures and programs for young patients. Our pediatric trauma surgeons provide 24/7, in-house coverage for immediate trauma and burn care.

Pediatric Surgeons

Steve Moulton, MD, Medical Director,
Trauma and Burn Programs Anschutz
John Bealer, MD, Trauma Medical Director, Colorado Springs*
Thomas Inge, MD
Shannon Acker, MD
Denis Bensard, MD
David Bliss, MD*
Jose Diaz-Mirron, MD
Frederick Karrer, MD
Ann Kulungowski, MD
Kenneth Liechty, MD
David Partrick, MD
Jonathan Roach, MD
Stig Somme, MD
Katie Wiggins-Dohlvik, MD*

*Colorado Springs Team

Pediatric surgery advanced practice providers

Angela Drelles, PNP
Stephanie Fingland, CRNP
Richele Koehler, PA-C, Lead at Anschutz
Amanda Rutherford, PA-C
Elise Van Etten, PA-C
AnnaMaria Salas, PA-C
Lauren Hill, PNP
Katie Wagenman, PNP
Christianna Kaczmarek, PA*
Teren Culbertson, PA*
Karisa Reynolds, PA*
Doug Haase, PA*
Justin Alldredge, PA*
Brandy Ramos, NP*
Starla Eubanks, NP*

Orthopedic Surgery

Our pediatric orthopedic surgery and rehabilitation medicine physicians and staff are leaders in innovative research and superior care for children and young adults, ensuring the best possible outcomes for our patients, families and communities. We provide integrated orthopedic, surgical and rehabilitation care across a broad spectrum of conditions that affect growing joints and bones, from common breaks and sprains to the most complex musculoskeletal deformities and traumatic injuries. No other program in the nation offers our level of integrated, multidisciplinary care.

Our physicians also offer consultations for simple and complex pediatric orthopedic problems.

Pediatric Orthopedic Surgeons

Julia Sanders, MD, Trauma Liaison
Jay Albright, MD
Aaron Boyles, MD*
Sayan De, MD
Nathan Donaldson, DO
Mark Erickson, MD
Sumeet Garg, MD
Gaia Georgopoulos, MD
Nancy Hadley-Miller, MD
Lori Karol, MD

Travis Murray, MD, Trauma Liaison*
Jason Rhodes, MD
Frank Scott, MD
Courtney Selberg, MD
Brian Shaw, MD*
Sarah Sibbel, MD

*Colorado Springs Team



Neurosurgery

Our Pediatric Neurosurgery Program offers integrated, comprehensive care for all types of disorders affecting the nervous system and skull, including traumatic injury, epilepsy, hydrocephalus, brain tumors and facial and skull deformities.

Our fellowship-trained and board-certified pediatric neurosurgeons offer more than 60 years of combined experience and focus solely on the care of children with neurosurgical problems.

Pediatric Neurosurgeons

- | | |
|-----------------------------------|-----------------------------------|
| Brent O'Neill, MD, Trauma Liaison | Thomas Ridder, MD Trauma Liaison* |
| Allyson Alexander, MD | John McVicker, MD* |
| Krista Greenan, MD* | Yasunori Nagahama, MD |
| Michael Handler, MD* | Charles Corbett Wilkinson, MD |
| Todd Hankinson, MD | |

*Colorado Springs Team



Otolaryngology

As one of the largest groups of fellowship-trained pediatric otolaryngologists in the western U.S., our 15 pediatric ENT specialists offer 125 years of combined post-fellowship pediatric experience, seeing more than 18,000 patients annually.

Pediatric Otolaryngology Surgeons

- | | |
|--------------------------------------|----------------------|
| Peggy Kelley, MD, Trauma Liaison | Brian Hermann, MD |
| Gregory C. Allen, MD | Steven Leoniak, MD* |
| Kenny H. Chan, MD | Stephen Newton, MD* |
| Allison Dobbie, MD* | Jeremy Prager, MD |
| Christian Francom, MD | Melissa Scholes, MD |
| Norman R. Friedman, MD | Todd Wine, MD |
| Sarah Gitomer, MD | Patricia J. Yoon, MD |
| Steven Hamilton, MD, Trauma Liaison* | |

*Colorado Springs Team

Critical Care Medicine

The Children's Colorado Pediatric Intensive Care Unit is the largest and most technologically advanced PICU in the region. Our private intensive care rooms offer patients and families state-of-the-art monitoring and critical care equipment in a private setting, with nursing stations and critical care staff just a few feet from each patient's bed.

Our PICU staff provide comprehensive services for children with single or multiorgan system failure or severe chronic illness, as well as those recovering from complex cardiac, orthopedic, neurologic and general surgeries, and patients undergoing solid organ transplantation.

Pediatric Intensive Care Unit Providers

- | | | |
|--|-----------------------|-------------------------|
| Todd Carpenter, MD Trauma Liaison | Ryan Good, MD | Imran Sayed, MD* |
| Joseph Albietz, MD | Eva Nozik, MD | Carleen Schneider, MD |
| Jonah Attebery, MD* | Cameron Gunville, DO | Kurt Stenmark, MD |
| Tellen Bennett, MD | Brian Jackson, MD | Erin Stenson, MD |
| Amanda Carmean, MD* | Michelle Loi, MD | Christine Vohwinkel, MD |
| Amy Clevenger, MD | Aline Maddux, MD | Michael Wittkamp, MD* |
| Patrick "Jake" Cripe, MD Trauma Liaison* | Blake Martin, MD | Sarah Young, MD* |
| Angela Czaja, MD | Leslie Ridall, MD | |
| Gina DeMasellis, MD | Monique Robles, MD* | |
| | Christopher Ruzas, MD | |

*Colorado Springs Team

Child Advocacy and Protection Team

Our Child Advocacy and Protection Team provides comprehensive medical evaluations in our weekly outpatient clinic and through inpatient and emergency department consultations.

We offer the only hospital-based multidisciplinary child abuse program in Colorado, proudly meeting the designation criteria of the Children's Hospital Association as a Child Abuse Center of Excellence. Our physicians were among the first in the country — and among the only in Colorado — to be board-certified in Child Abuse Pediatrics by the American Board of Pediatrics.

Family and child evaluation for suspected maltreatment includes family support and education. We offer best-practice care and treatment in a sensitive and family-centered manner.

Child abuse is the #1 cause of trauma related death at Children's Hospital Colorado Anschutz and Colorado Springs.

Top 5 Mechanisms of Injury at Children's Hospital Colorado Trauma Centers

Anschutz

- 27% Fall
- 12% Bike/Pedestrian
- 6% Motor vehicle crash
- 5% Abuse
- 5% Burn

Colorado Springs

- 29% Fall
- 13% Sports and Bicycle injuries
- 12% Abuse
- 9% Motor vehicle crash
- 7% Animal Bites

Rehabilitation Medicine

The primary goal of our Rehabilitation Program is to optimize each child’s ability to adapt to the environment, to ease the effects of disability on the child’s development, and allow the child to be fully included in community living. A child’s success in the program results from the collaboration of rehabilitation staff, the child’s primary care physician and the child’s family — all integral components of the child’s care team.

Anschutz discharge disposition

- 98% Home
- 1% Rehabilitation
- 1% Transfer to another facility

Colorado Springs discharge disposition

- 97% Home
- 1% Rehabilitation
- 1% Social services
- 1% Transfer to another facility

Rehabilitation Providers

Susan Apkon, MD
Michael Dichiaro, MD, Trauma Liaison
Dennis Matthews, MD
Pamela Wilson, MD

Joyce Oleszek, MD
Anne Stratton, MD
Matthew Mayer, MD
Kilby Mann, MD

Wendy Pierce, MD, Trauma Liaison*
Amy Kanallakan, MD
Aaron Powell, MD
Kim Sawyer, PNP

Outreach and Education

Children’s Hospital Colorado COS has reached over 1,000 participants with the COS Pediatric Grand Rounds series since it’s inception September 2020 with specialties ranging across the spectrum of care.

Western Pediatric Trauma Conference

July 18 to 20, 2020 • 22 abstracts received

The Western Pediatric Trauma Conference is a nationally renowned pediatric trauma conference led by Children’s Colorado, Phoenix Children’s Hospital, Primary Children’s Hospital, Children’s Hospital Los Angeles and Stanford Children’s Hospital to improve outcomes in pediatric trauma care worldwide. This conference was canceled in 2020 due to Covid-19 restrictions, however, it will resume virtually in 2021.

Colorado Pediatric Trauma Conference

November 20 to 21, 2020 • 250 virtual attendees

The annual pediatric trauma conference provides education on state-of-the-art care of the pediatric trauma patient. This conference is attended by regional and national physicians, nurses and ancillary providers.

Emergency Trauma Outreach Symposium

266 virtual attendees • Scottsbluff, NE; Fort Collins, CO; Alamosa, CO

Our Emergency Trauma Outreach Symposia brought educational events to physicians, nurses and prehospital providers throughout Colorado and the surrounding region.

Multidisciplinary Trauma Lecture Series

This lecture series supports our multidisciplinary trauma providers by highlighting recent advances in specialty care — including plastic surgery, critical care, orthopedics and other subspecialties — using case-based discussions, care protocols and patient outcomes. This conference was canceled in 2020 due to COVID-19 restrictions.

Partnership in Outstanding Pediatric Prehospital Care

635 virtual attendees

This series offers free pediatric education to prehospital professionals on a monthly basis.

Trauma Video Review

187 virtual attendees

Trauma Video Review is a monthly educational series for trauma team members from pediatric emergency medicine, surgery, nursing and ancillary staff, to critically review challenging trauma cases. Each video is critiqued for team preparation, communication, and adherence to role responsibilities, as well as timeliness and appropriateness of interventions. Quality of care issues are foremost and can lead to changes in trauma-related policies and procedures. Attendees receive 1.0 AMA PRA hours of Continuing Medical Education.

Colorado Springs Pediatric Grand Rounds Series

Colorado Springs has reached over 1,000 participants with Pediatric Grand Rounds series since its inception in September 2020 with specialties ranging across the spectrum of care. This series is offered the 1st and 3rd Tuesday of each month.

Colorado Springs Helmet Initiation

CSH implemented a bicycle helmet program through support of Borealis Bikes. One helmet is donated for every bike sold.

Firearm Injury Prevention Workgroup

Credit: Maya Haasz, MD

The Children’s Hospital Colorado Firearm Injury Prevention Workgroup was established in 2019 in response to an increasing number of firearm injuries and deaths affecting Colorado youth. Notably, most firearm deaths (68%) are due to suicide. This multi-disciplinary group includes medical trainees, practicing physicians, and research and administrative staff from various medical and surgical specialties.

Our primary objective is to decrease firearm injuries among youth in Colorado by improving safe storage of firearms in homes with children, particularly those at risk for suicide, along with other injury prevention measures.

We are taking a multifaceted approach to address these complex issues, with some examples below.

Research

We are examining the circumstances and outcomes of firearm injuries in Colorado to better understand how we can prevent them. We are also exploring ways to improve firearm safe storage, as well as violence prevention initiatives for adolescents.

Advocacy

Physicians from our group testified and wrote letters in favor of statewide safe storage legislation. We also played an important role in securing support for this legislation from the Colorado chapters of the American Academy of Pediatrics and the Committee on Trauma, and from Children’s Hospital Colorado.

Clinical Approaches

The workgroup has prioritized initiatives such as improving firearm safety education in our primary care clinics. With the support of generous donors, we have also successfully expanded a lockbox distribution program to multiple clinics and the Emergency Department.



NON-ACCIDENTAL TRAUMA

Meeting the Community's Needs

Credit: John Bealer, MD and David Listman, MD

Colorado Springs our goal is to not only maintain the highest level of preparedness for injured children, but to tailor that care to the special and specific needs of our community.

With that goal in mind, we constantly monitor and analyze our patient population, searching for opportunities to better meet the needs of Southern Colorado and Northern New Mexico’s children. Through those efforts we identify regional specific issues upon which to focus our resources. Issues that can dramatically affect not only the clinical care we provide, but also shapes our efforts in injury prevention and advocacy. This year we focused our efforts on the sobering topic of non-accidental trauma (NAT).

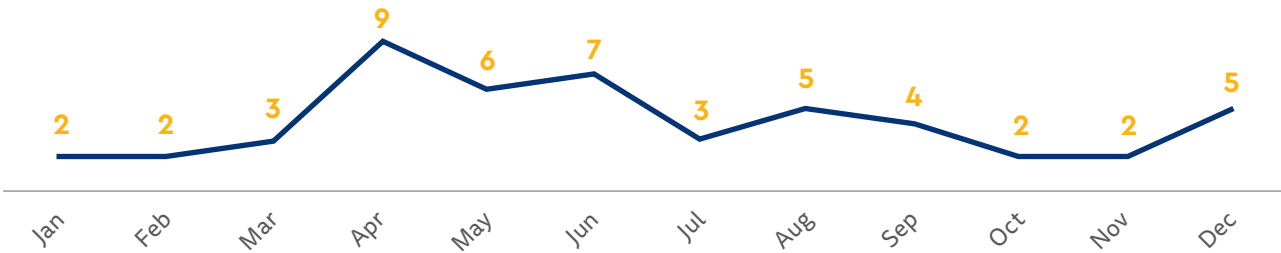
NAT, commonly referred to as child abuse, occurs when children are intentionally victimized and assaulted. It is the second leading cause of death for infants and children in the US and an escalating problem in Southern Colorado. Beginning with the COVID pandemic in March of 2020, the incidence of NAT for Colorado’s Southern region nearly doubled above historic norms. That heightened incidence has been maintained throughout the pandemic period in our region, and now accounts for roughly half of all new cases seen in the state.

Our response to the surge of NAT cases in the Southern region has been multifaceted. First, under the direction of our prevention coordinator, Amanda Abramczyk-Thill, we launched a media campaign through various regional

news agencies calling the community’s attention to the issue and highlighting community resources. Secondly, to ensure that we were not under appreciating the scope and scale of the problem in our community, we launched an objective NAT screening program for all children ages 4 and younger seen in our emergency department. This program, directed by Kelly Beach, RN, Clinical Manager and Dr. David Listman, director of emergency medical services at Children’s Hospital Colorado-Colorado Springs, not only helps protect the children of our region but is also a major research initiative for the department. Finally, we have secured funds from the Children’s Hospital Foundation to purchase educational materials to help sponsor parenting classes throughout the region. As part of this educational program, we have obtained a “shaken baby” doll for hands on demonstrations to graphically illustrate the types of severe brain injury that occurs when shaking an infant.

At Children’s Colorado we understand that serving our community begins with understanding the specific needs of the community we serve. Through this understanding, we can strategically focus efforts and resources to provide the most impactful care possible to the children of Southern Colorado and Northern New Mexico.

2020 Non-Accidental Trauma Trends

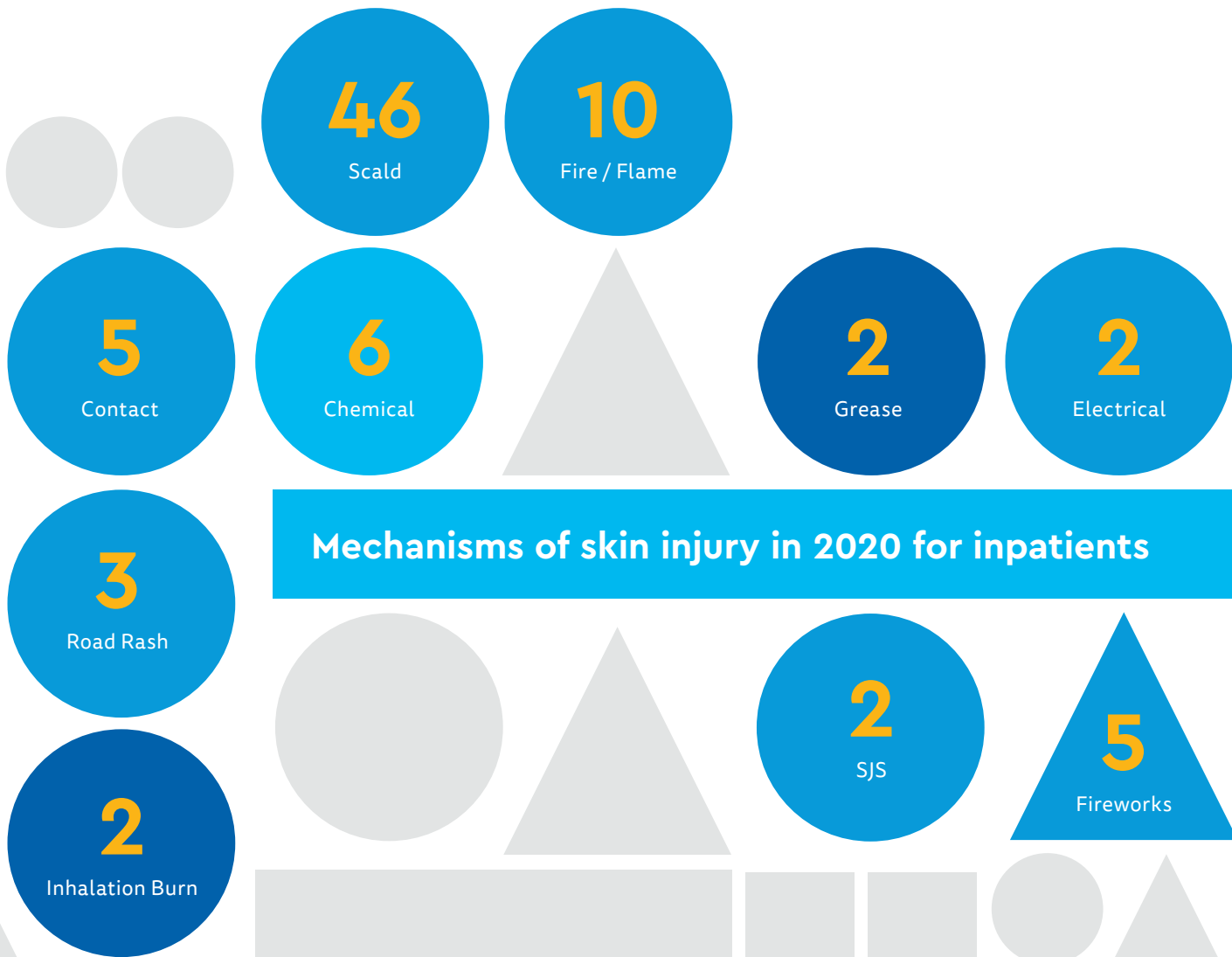


Regional Pediatric Burn Center

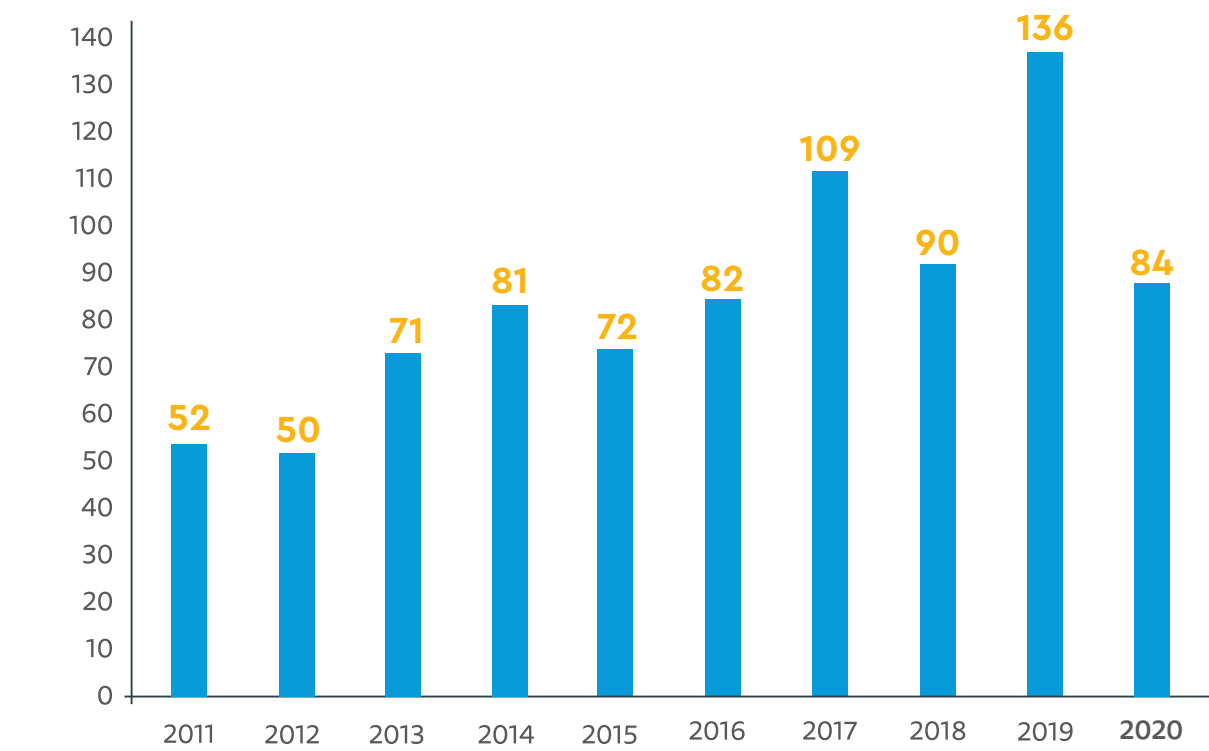
Our Burn Center was established in 1974. We deliver the highest standard of treatment for burn-injured children of all ages. Our transfer center arranges transfers as necessary to ensure every child receives optimal treatment of their burn injuries.

Our team cares for patients throughout their entire recovery journey, from acute inpatient care to the outpatient and rehabilitative settings. We also offer consultations for other skin injuries including exfoliative dermatoses (such as Stevens Johnson Syndrome and toxic epidermal necrolysis), IV infiltrates and traumatic abrasions.

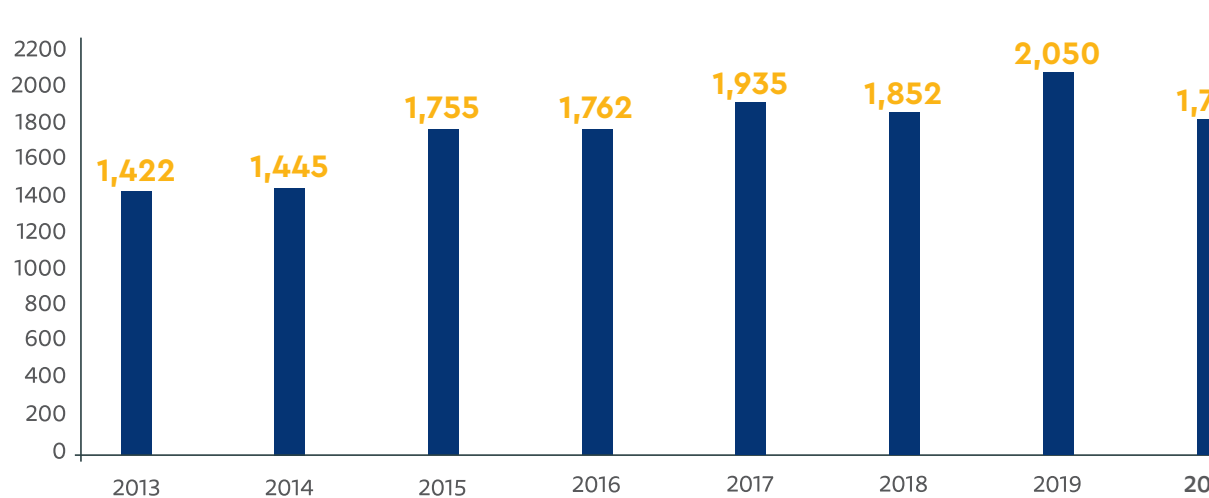
We offer education and family-centered care through peer support groups, community gatherings, a school re-entry program, and our burn camps program. For questions or patient transfers, call OneCall at 720-777-3999 or our burn nurse cell phone at 303-549-4636.



Inpatient Burn Volumes



Outpatient Burn Volumes





Burn Camps Program

Tim Schuetz and Trudy Boulter

The Children's Colorado Burn Camps Program provides a no-cost camp experience for 150 burn survivors each year.

The Children's Hospital Colorado Burn Camps Program is an American Camp Association accredited suite of programs structured to meet the rehabilitative and psychosocial needs of children who have sustained a burn injury. The burn camp program started in 1983. It is designed to meet the individual-specific needs of children who have sustained a burn injury by providing a residential camp program with professional camp staff, dedicated staff from referring burn units, and community service partners. The scope and sequence of the Burn Camps Program provides the building blocks for each camper to build on their successes and reflect on the process.

Our program provides an opportunity for pediatric burn survivors to begin to heal the trauma that a burn injury can cause. We work to provide intentional and individualized programming to address each child's goals while working collaboratively with families and referring burn units. We tailor a growth plan specific to each camper's needs. Goals focus on social skill development, body image, challenging negative and limiting beliefs, appropriate risk-taking, and overcoming challenges in a supportive community. Through guided reflection, campers translate experience into skill. The lessons learned at camp are unique and build lifelong bridges to future successes.

2020 was unlike any year in our 37-year history. In early Spring 2020 we knew that we would need a new strategy to connect our campers, families and our community. We began creative brainstorming on how we could bring the spirit of camp to our campers. This required a novel approach to help our campers connect, grow, and experience the magic that is camp. Virtual Summer Burn Camp was held from August 10th - 14th and was developed with a three-pronged approach in mind: live Zoom sessions, pre-recorded videos, and mailing each camper their customized "Camp In A Box." The "Camp In A Box" was filled with room decorations, stickers, fun summer activities, craft activities, camp gear, snacks, and a gift card to provide one meal for the family for the week. All campers who registered received the "Camp In A Box." This provided all campers, regardless of whether they were able to attend Virtual Camp, the opportunity to be a part of the Summer Burn Camp community until we can see them again at Cheley Colorado Camps in Estes Park.

We are incredibly proud of how successful 2020 Virtual Summer Burn Camp was. As documented from camper, staff, and parent testimonials, we were able to virtually recreate the feeling of being at camp for those five days last August. Our goal for 2020 Virtual Burn camp was to build a bridge from 2019 to 2020. The reality was much more powerful. Campers were engaged, on time, present in front of their screens and in discussions, and made every attempt to soak in all of the programming provided to them. It's incredibly rewarding to know that with teamwork, creativity and strong conviction, this team is able to not only pivot and adapt but reach our goals in a way that exceeds expectations.

We are also incredibly proud of the community support that has built up around our camp program, which allows us to provide these opportunities to pediatric burn survivors at no cost to them or their families. We had nearly 40 staff members step up and take time out of their busy lives to make this week a reality for our burn survivors. Additionally, we had donors say to us, what do you need to make this happen? This program is built 100% on donations and people believing in what we're doing. It sets us apart and makes us proud of what we do every day.



97

Different locations across the country logged into the same Zoom session

105

Campers and Staff attended Virtual Summer Burn Camp

150

"Camp in a Box" boxes mailed out to campers and staff across the country to participate in virtual camp

100%

Dedicated to supporting our pediatric burn survivors, even during unprecedented times

76,440

Goldfish S'mores crackers mailed out between Virtual Burn Camp and Virtual Creating Ties Fundraiser

Philanthropic Support

Our work would not be possible without the philanthropic support of multiple partner organizations and individuals. Thank you to our corporate partners who contributed \$2,500 or more in 2020. We appreciate their volunteer efforts and financial contributions, which contribute to the growth and development of our Trauma and Burn Program and our Burn Camps Program.



Keating Wagner Polidori Free

The Wiczuk Family

Creating Ties

Creating Ties is the signature event of the Children’s Hospital Colorado Burn Camps Program. The event raises critical funds and was named Creating Ties to highlight the importance we each have in building a community that works together to support young burn survivors and their families achieve their highest potential.

In the spirit of 2020, Creating Ties was held virtually on Saturday, November 14, 2020. The theme of this year’s event was Creating Connection & Community and while the program was digital, we were able to build community and create lasting connections in support of the Burn Camps Program. Along with either dry goods, or delicious food from Maggiano’s, we provided a bit of fun and fancy with the “Dinner In A Box” and created a similar atmosphere in guests’ homes we’ve grown to love in years past. Boxes included a tablecloth, centerpiece, wine, metal wine glasses, stickers, and camp fun! This virtual event allowed us to bring our camp program into homes nationwide.

Thank you to our 2020 table sponsors.

PLATINUM

MAGGIANO’S
LITTLE ITALY

SILVER

Keating Wagner Polidori Free

HydraMed
MOBILE IV THERAPY

KM
SALES

Strear Family Foundation
The Trentel Family

rk foundation

GOLD

DENVER FIRE FIGHTERS CHARITABLE FOUNDATION

VIRTUAL

COLORADO FIREFIGHTER CALENDAR

Schiffer Hicks Johnson PLLC

EVENT

14 Hands
Cake Heads Bakery
Coldwell Banker

We are very thankful to those who joined our program, purchased a dinner box, made a donation, sponsored the event, purchased an item, or donated to the silent auction. Through generous individuals and corporations, together we raised over \$110,000 for the Thrive Endowment, which ensures any child who has sustained a burn injury has the opportunity to attend Burn Camp long into the future.

Thrive Endowment

In 2020, we started an endowment dedicated to the lives of pediatric burn survivors and the power of camp. Keating Wagner Polidori Free PC donated seed money to the Children's Hospital Colorado Burn Camps Program to create an endowed fund. The Thrive Endowment ensures any child who has sustained a burn injury has the opportunity to attend Burn Camp long into the future.

Because an endowment is an invested pool of money that provides a reliable source of income in perpetuity, our program can count on annual distributions from the fund. This provides independence from internal and external forces, allowing us to continue to provide excellent programming to any child and/or family that has sustained a burn injury.

Because the Thrive Endowment can accept additional contributions from individuals, financial support will continue to grow over time. All gifts enable us to continue to provide camp at no cost to families in perpetuity. To donate or for additional questions about the Thrive Endowment, please contact Tim Schuetz at 720-777-6292 or tim.schuetz@childrenscolorado.org.

Community Events

We provide and participate in a wide range of events including, community, fundraising, prevention, awareness, conferences, and continuing education for medical professionals.

Annually, we host community support activities for families healing from a burn injury. In 2020, we were able to hold our annual ice skating community event at WinterSkate in Louisville, CO on February 1st. Typically we hold additional community events throughout the year at different locations around Denver. Our community events provide opportunities to connect families to other families, the fire service, and community partners.

Burn Awareness Week, organized by the American Burn Association, is observed the first full week in February and is a window of opportunity for organizations to mobilize burn, fire and life safety educators to unite in sharing a common burn awareness and prevention message in our community.



Youth Fire-setting Evaluation and Treatment Program

The Youth Firesetting Evaluation and Treatment Program was designed in response to the need for specialized community services addressing youth misusing fire. The program focuses on helping youth make safer decisions. Due to health restrictions, we were not able to conduct multifamily interventions, so met with families individually or via video and/or telehealth.

We evaluate and treat patients with injuries from the misuse of fire, candles, electricity, lightbulbs, chemicals, and fireworks, and help families develop safety plans. We receive community referrals from fire departments, schools, mental health services, juvenile justice and parents of children exhibiting high-risk fire setting behavior. Families receive mental health intervention for these high-risk behaviors to help prevent burn injuries and enhance community safety.





Research Projects with IRB Approval

1. Understanding Pediatric Pelvic Fracture Morphology, Management and Outcomes
2. Pediatric Orthopedic Trauma and Infection (CORTICES Registry)
3. Pediatric Proximal Femur Fracture and Anatomic Variation Around the Hip
4. K-Wire vs. Screw Fixation of Isolated Lateral Humeral Condyle Fractures in Children
5. Variability in Care Process, Resource Utilization and Billing Practices in Pediatric Forearm Fractures
6. A Review of Pediatric Pilon Fractures
7. Seasonal Trends in Pediatric Supracondylar Humerus and Femur Fractures at a Single Level 1 Pediatric Trauma Center
8. Intramedullary Nail Fixation of Tibial Shaft Fractures in Adolescents
9. Outcomes of Operative and Non-Operative Treatment of Displaced Proximal Humerus Fractures in Adolescents: Prospective Multicenter Study
10. Venous Thromboembolism After Pediatric Orthopaedic Surgery
11. Prospective Randomized Study Comparing Functional Bracing vs. Hip Spica Cast in Pediatric Femur Fractures
12. A Retrospective Review of Regional Variation in Pediatric Musculoskeletal Infection
13. Continuous local infusion for postoperative pain control after complex foot and ankle surgery in children.
14. CRI and Continuous Assessment of Hemodynamic Compensation in Pediatric Trauma Patients
15. Implementation of a Mandatory Screening Tool to Identify Pediatric Trauma Patients with Acute Posttraumatic Stress Symptoms at Children's Hospital Colorado
16. Cardiac and great vessel injuries in pediatric patients
17. Development and Testing of a Pediatric Cervical Spine Injury Risk Assessment Tool (C-Spine)

Publications

Child Abuse

1. Chiesa AE, Kallechey L, Harlaar N, Rashaan Ford C, Garrido EF, Betts WR, Maguire S. Intimate partner violence victimization and parenting: A systematic review. Child Abuse Negl. 2018 Jun;80:285-300. doi: 10.1016/j.chiabu.2018.03.028. Epub 2018 Apr 14. PMID: 29665506.

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Otolaryngology

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Burn

4. Shahi N, Skillman HE, Phillips R, Cooper EH, Shirek GP, Goldsmith A, Meier MR, Kaizer AM, Recicar JF, Banks A, Moulton SL. Why Delay? Early Enteral Nutrition in Pediatric Burn Patients Improves Outcomes. J Burn Care Res. 2021 Mar 4;42(2):171-176. doi: 10.1093/jbcr/iraa129. PMID: 32810219.

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Pediatric Surgery

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7. Shahi N, Phillips R, Meier M, Smith D, Leopold D, Recicar J, Moulton S. The true cost of child abuse at a level 1 pediatric trauma center. J Pediatr Surg. 2020 Feb;55(2):335-340. doi: 10.1016/j.jpedsurg.2019.10.024. Epub 2019 Nov 1. PMID: 31744603.

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Contact Us

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