

Injury & Violence Prevention Center

colorado school of public health

ANNUAL REPORT



2021

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LETTER FROM THE DIRECTOR

Over the past year, and despite the continued challenges we all faced during this second year of the pandemic, the Injury and Violence Prevention Center has made strides toward our mission of facilitating scientific discovery and evidence-based practice that reduces injury and violence. This report highlights a selection of the remarkable work of our membership over the past year, including new grants awarded, features in the news and media, and numerous research publications.

We have continued to grow our membership during 2021 and have expanded our advisory structure by creating an External Advisory Committee, which is featured in this report. We look forward to their feedback on our work and priorities for the future.

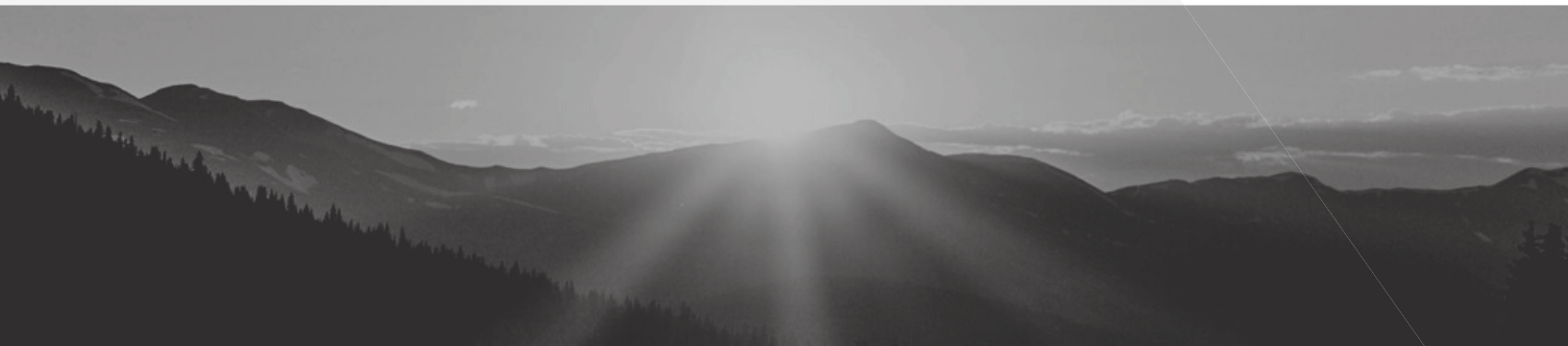
We are also excited to strengthen the pipeline of future researchers and practitioners in injury and violence prevention by funding student research, administering the Hoffman Scholarship for Firearm injury prevention, and assisting

students in experiential learning placements with partner organizations. In the coming year we will continue to expand our student training opportunities.

Looking ahead, we are excited to announce that the Injury & Violence Prevention Center was chosen to host the SAVIR 2024 Annual Conference! We look forward to welcoming researchers and practitioners from across the U.S. to Colorado for the opportunity to showcase injury and violence prevention work in the Rocky Mountain Region.

In 2022 I look forward to continuing this important work with you. I want to extend my thanks to our members and partners for your commitment to preventing injuries and violence in the Colorado, the Mountain West Region, the nation and the world.

Ashley Brooks-Russell, PhD, MPH





Ashley Brooks-Russell PhD, MPH

Center Director

Associate Professor in the Department of
Community and Behavioral Health



Marian (Emmy) Betz, MD, MPH

**Center Deputy Director and Director of
Firearm Injury Prevention Initiative**

Professor of Emergency Medicine



Sara Brandspigel, MPH

Center Director of Outreach

Research Instructor in the Department of
Community & Behavioral Health



Ashley Pennington, MPH (c)

Center Graduate Student Assistant

Colorado School of Public Health MPH
Student

**2021 LEADERSHIP
TEAM**



Carol Runyan
Founding Director



Carolyn Diguisseppi,
MPH, PhD, MD
Associate Dean for
Faculty, Professor



Sabrina Arredondo-
Mattson
Senior Research
Associate



Maya Haasz, MD
Assistant Professor



Christine Baugh,
PhD, MPH
Assistant Professor



Jason Hoppe, DO
Associate Professor



Lisa Brenner, PhD
Professor



David Howell, PhD,
ATC
Assistant Professor



Dawn Comstock,
PhD
Adjunct Professor



Erin Kelly, DrPH, MA
Research Associate

2021

FACULTY
MEMBERS



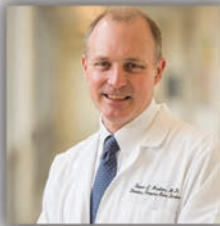
Beverly Kingston,
PhD
Senior Research
Associate & Director



Nee Kofi Mould-
Millman, MD
Associate Professor



Angela Lee-Winn,
PhD, MA
Assistant Professor



Steven Moulton, MD
Professor



Terri Lewis
Associate Professor



David Olds, PhD
Professor



Daniel Lindberg, MD
Associate Professor



Rebecca Orsi, PhD
Research Assistant
Professor



Nathaniel Mohatt
Assistant Professor



Eric Sigel, MD
Professor

2021

FACULTY
MEMBERS



Joseph Simonetti,
MD, MPH
Assistant Professor,
Clinical Instructor



Catherine
Velopulos, MD,
MPH
Associate Professor



Talia Spark, PhD,
MS
Adjunct Assistant
Professor



Erik Wallace, MD
Associate
Professor



Lorann Stallones,
PhD
Professor



Kathryn Wells, MD
Associate
Professor



Gregory Tung, PhD,
MPH
Associate Professor



Christina
Yannetsos, MD
Professor

2021

FACULTY
MEMBERS



**Melissa
Anderson MBA,
BSN, RN**

Children's Hospital
Colorado



**Laurie
Lovedale, MPH**

UCHealth



**Jennifer Boggs,
PhD, MSW**

Kaiser Permanente
Institute for Health
Research



Ali Maffey, MSW

Colorado
Department of
Public Health &
Environment



**Colleen
Kapsimalis
Doyle, MPH, CPH**

Colorado
Department of
Public Health &
Environment

2021

**PRACTICE
MEMBERS**



HIGHLIGHTS OF 2021

A LOOK BACK AT KEY
MOMENTS AND
ACTIVITIES IN 2021

Highlights of 2021

We Welcomed New Members and Held Our Annual Member Meeting

In 2021, we welcomed 12 new faculty and affiliate members to the Injury Center. Faculty members hold appointments at the Colorado School of Public Health, the Colorado School of Medicine, and other Colorado University (CU) branch campuses. Affiliate members hold positions in public health organizations across the state of Colorado. We hosted all of our members in November at the Annual (virtual) Member Meeting, presenting our mission for the coming year and presenting opportunities to become involved with the center.

Funded Student Projects

Twice a year, the Injury Center opens the call for student research grant applications. The goal of the award is to attract and support student pursuing research and evaluation projects in the field of injury and violence prevention in Colorado and the Rocky Mountain region. A total of 6 students were awarded the grant in 2021 (3 in the Spring semester, 3 in the Fall semester). Students will have the opportunity to present their research during 2022 at a Research2Practice webinar.

Participated in National Injury Prevention Day

November 18th is recognized nationally as National Injury Prevention Day. To raise awareness in Colorado and to recognize the work being done by organizations in our state and city, the City and County of Denver recognized our formal request to officially recognize November 18, 2021 as “Injury Prevention Day”. We also joined forces with Injury Free Coalition for Kids and other injury centers across the nation on November 18 for a twitter chat, discussing the urgent need to prevent injuries and what roles we must play. Look back on the conversation on twitter by searching the hashtag #BeInjuryFree.



Copy of the 2021 City and County of Denver Injury Prevention Day Proclamation

Established our External Advisory Committee

In October 2021, the Injury Center generated a call for nominations for a new External Advisory Committee. The committee serves to enhance the ability of the center to achieve its aims in reducing injury and violence in Colorado, the Rocky Mountain region, the nation, and the world. After an extensive review of applicants by the center’s reviewing committee, seven public health experts were selected and accepted their nomination to serve on the committee.



**Melissa Anderson,
MBA, BSN, RN**

*Trauma Program
Director, Children's
Hospital Colorado
Aurora, CO*



Holly Billie, MPH

*Injury Prevention
Specialist, Centers
for Disease Control
and Indian Health
Service
Atlanta, GA*



Paul Bonta, MA

*Director of
Government
Relations, Safe
States Alliance
Breckenridge, CO*



**Kari Commerford,
MA**

*Juvenile Services
Director, Gunnison
County
Gunnison, CO*



**Colleen Kapsimalis
Doyle, MPH, CPH**

*Program Integration
& Evaluation Unit
Supervisor, CDPHE
Denver, CO*



**Laurie Lovedale,
MPH**

*Injury Prevention
Specialist,
University of
Colorado Hospital
Aurora, CO*



Rick Padilla

*Suicide Prevention
Administrator, City &
County of Denver
Department of Public
Health and Environment
Denver, CO*

2021

**EXTERNAL
ADVISORY
COMMITTEE**



News

THE CENTER IN THE NEWS

2021 NEWS ARTICLES
FEATURING CENTER
MEMBERS

NEWS STORIES FROM 2021

Injury Center faculty member, Christina Yannetsos, MD, represented Team USA and CU Anschutz as a member of the medical staff at the 2021 Olympic games in Tokyo, Japan. [Read her featured article here.](#)



Christina Yannetsos at the 2021 Olympic Games

Deputy Director of the Injury Center, Emmy Betz, MD, MPH, explained why gun violence prevention research and adequate funding for it is critical in the JAMA article, [Gun Violence Researchers Are Making Up for 20 Years of Lost Time.](#)

Eric Sigel, MD was featured in the CPR News article “[More Kids In Juvenile Courts Are There For Violent Crimes. Anger Management Classes Can Help Low-Level Offenders, But Others Need More Intervention](#)” for the development of the screener VIPERS, the Violence Injury, Protection, and Risk Screen Tool.

Injury Center faculty member, David Howell, MD, was featured in 5280 Magazine article “[Concussion Treatment is Suffering from the Nocebo Effect](#)”.



Dr. David Howell overseeing work in the laboratory at Children's Hospital Colorado.

Emmy Betz was quoted in the [Denver Post: Mass shootings spur new gun policies](#). The lack of federal research makes it tough to know if they work.

Injury Center founding director Carol Runyan was featured in [Stopping Harm Before it Starts](#), an article describing the history of the University of North Carolina Injury Prevention Research Center that she co-founded in 1987.



Carol Runyan and Patricia Waller in the late 1980s

Emmy Betz, MD, MPH and Megan Ranney, MD, MPH, of the Brown University School of Public Health, advocated for a public health approach to address gun violence, [in an op-ed in, The Hill](#).

Injury Center member, Lisa Brenner, discussed how similarities between post-traumatic stress disorder and other major disorders can lead to misdiagnosis in [this video published with Consultant 360](#).

Injury Center Member, Maya Haasz, MD, testified on behalf of Children's Hospital Colorado and the Colorado Chapter of the American Academy of Pediatrics at the U.S. Senate Committee on the Judiciary, Subcommittee on The Constitution hearing entitled ["Stop Gun Violence: Safe Storage"](#).



Maya Haasz testifying in front of the Senate Judiciary Committee



CENTER RESEARCH

CENTER MEMBER
PROJECTS & GRANTS IN
2021

RESEARCH & GRANTS OF 2021

Empowering Youth to Realize Equity and Prevent Violence

Injury Center members Beverly Kingston, Sabrina Arredondo-Mattson, and Eric Sigel received a \$6 million cooperative agreement from the Centers for Disease Control and Prevention's National Youth Violence Prevention Centers of Excellence to implement and evaluate three youth violence prevention strategies, which will include a Youth Advisory Council to oversee project activities, and funding to build a pipeline of early youth violence prevention researchers from communities most impacted by youth violence through partnerships with Aurora Community College and Metro State University.

Towards a Full Spectrum Violence Prevention and Intervention Program at Childrens Hospital Colorado

Injury Center faculty member, Eric Sigel, MD, was awarded a \$1 million dollar grant by the U.S. Department of Justice Office of Justice Programs. Funding will be used for the At Risk Intervention and Mentoring (AIM) program at Children's Hospital Colorado, violence interruption, hospital-based violence intervention, will serve youth presenting with an assault injury.

An Evaluation of the Gun Shop Project: Suicide Prevention Led by the Firearms Community

Injury Center members Sabrina Arredondo Mattson, Beverly Kingston, and Erin Kelly received a \$2 million grant from the Centers for Disease Control and Prevention to fund their study evaluating the role that gun shops can play in reducing gun suicide.

Development and Testing of a Veteran-Centered Lethal Means Safety Suicide Prevention Intervention

Injury Center faculty member, Joseph Simonetti, received a 4 year grant from the National Institute of Health for work related to firearm injury prevention and addressing gaps in Veteran Health Affairs (VHA) suicide prevention efforts.

2022 Pediatric Research in Sports Medicine (PRiSM) Annual Conference

Injury Center faculty member, David Howell, PhD, ATC, was awarded an NIH grant in 2021 to support student travel opportunities for the 2022 PRiSM conference in Houston, TX. The conference focuses on advancing interdisciplinary knowledge on pediatric sports medicine.

Observational study of the effects of acute cannabis use on ocular activity relevant to driving

Injury Center Director, Ashley Brooks-Russell, PhD, MPH, received funding from the Institute of Cannabis Research at CSU Pueblo to enhance data collection for her continuing NIH funded project, leveraging the operational driving simulator lab to study eye movement and eye tracking during driving.

Integrating signals of suicide risk from DoD and VHA data to improve upon suicide risk prevention strategies for combat Veterans

Injury Center faculty member, Lisa Brenner, PhD, received an NIH grant to conduct a study that is first to facilitate the merging of large data sets from the Department of Defense (DoD) and Veterans Health Administration (VHA) to identify factors associated with suicide risk.

Integrating signals of suicide risk from DoD and VHA data to improve upon suicide risk prevention strategies for combat Veterans

Injury Center faculty member, Lisa Brenner, PhD, received an NIH grant to conduct a study that is first to facilitate the merging of large data sets from the Department of Defense (DoD) and Veterans Health Administration (VHA) to identify factors associated with suicide risk.

Influence of Prenatal and Early Childhood Home-Visiting by Nurses on Development of Chronic Disease: 29-year Follow-Up of a Randomized Clinical Trial


Injury Center member, David Olds, PhD, received continued funding from the NIH to conduct a 29-year follow-up study of participants in a randomized clinical trial of a program of prenatal and infant/toddler home-visiting by nurses for low-income women with no previous live births. It will examine program effects on maternal and offspring development of chronic disease and premature mortality.

"Safety in Dementia": An Online Caregiver Intervention

Injury Center Deputy Director and Director of the Firearm Injury Prevention Initiative, Emmy Betz, MD, MPH and team were awarded \$1.7 million from the National Institute of Health for their national study designed to improve firearm safety for people with Alzheimer's disease and related dementias.

CAPNET- Building Research Capacity in Child Abuse Pediatrics

Injury Center faculty member, Dan Lindberg, MD, was awarded an NIH grant in 2021 to leverage the accomplishments of CAPNET, a sustainable research network created by the child abuse pediatrics community. The project will create a sustainable data resources to launch CAPNET as a resource for the wider abuse research community.



WEBINARS: KEEPING SCHOLARS CONNECTED VIRTUALLY

LOOK BACK AT CENTER'S
3 WEBINAR SERIES IN
2021

RESEARCH 2 PRACTICE WEBINAR SERIES

Our monthly Research2Practice webinar series is held on the second Tuesday of the month at 12:00pm mountain time and is free to the public. Seminar speakers include injury and violence prevention researchers and practitioners that focus on highlighting how to translate research topics to practice.



January 2021

Aligning Programmatic and Research Goals in Hospital-Based Violence Intervention Programs

Presented by: Catherine G. Velopulos MD, MHS, FACS, Laurie Lovedale BS, MPH, and Anna Cleveland MSW, LCSW

February 2021

The First Year of Colorado's 'Red Flag' Extreme Risk Protection Order

Presented by: Leslie Barnard MPH & Adam Rice JD

March 2021

From the Drawing Board to the Bedside: Fall prevention Research and Practice

Presented by: Cathy Bodine PhD and Rebekah Griffith DPT

Co-hosted by: the Multidisciplinary Center on Aging

April 2021

ED Screening and Initiation of Treatment for Opioid Use Disorder

Presented by: Jason Hoppe DO and Angela Khoshnoud AM, LCSW

May 2021

School Policies & Practices for Violence Prevention

Presented by: Theresa Cruz PhD & Katie Lohmiller DrPH

Co-hosted by: the Department of Emergency Medicine

June 2021

From Frameworks to Families: Understanding the Impact of Early Life Stress and Resiliency.

Presented by: Hector Alvarez, PhD,PE, Aaron Miller, MSW, and Esmeralda Santillano, MA

Co-hosted by: the Department of Emergency Medicine and College of Nursing

July 2021

Safer Slopes: EMS and Trauma Data and Ski Patrol Perspectives on Preventing Ski and Snowboard Injuries

Presented by: Lauren Pierpoint, PhD, Amber Viitanen, MPH, and Scott Beckley, PhD

August 2021

Using a Positive Youth Development Approach to Foster Healthy Futures for Maltreated Youth: Challenges and Opportunities in Community-based Implementation

Presented by: Heather Taussig PhD & Megan McLean LCSW

Co-hosted by: The Kempe Center for the Prevention and Treatment of Child Abuse and Neglect

September 2021

Advancing Athlete Health: Its a Team Effort

Presented by: Christine Baugh PhD, MPH & David Bruton Jr

Co-hosted by: The Center for Bioethics and Humanities

October 2021

Climate Change & Workplace Injury

Presented by: Miranda Dally MS & Cecilia Sorensen MD

Co-hosted by: the Center for Health, Work & Environment

November 2021

Strengthening Trauma Care with Pragmatic Research Approaches

Presented by: Nee-Kofi Mould-Millman MD & Vik Bebarta MD

Co-hosted by: the COMBAT Center

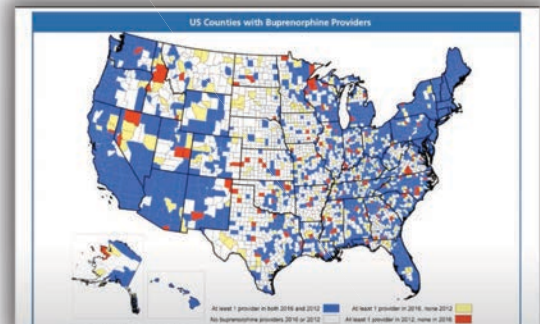
December 2021

**Advancing Upstream Prevention of Youth Violence and Injury:
Mobilizing Communities to Action**

Presented by: Erin Wright-Kelly DrPH, MA, James Roy II & Sarah Martinez, MS



December 2021 webinar: Framework on engaging the community



April 2021 webinar: Map of US counties with Buprenorphine Providers

PATHWAYS TO PREVENTION WEBINAR SERIES

In 2021, the Injury Center partnered with the Kempe Center to form the monthly Pathways to Prevention webinar series, connecting prevention workers with the latest science on protecting children. Featured speakers include researchers currently working in the space of primary prevention as well as Adverse Childhood Experiences (ACEs). Webinars are held on the third Wednesday of the month at 11 a.m MT.



September 2021

The Empower Action Model: A Framework for the prevention of ACEs through the promotion of equity, resilience, and well-being

Presented by: Aditi Srivastav Bussells PhD, MPH & Dana Powell MEd

October 2021

Indigenous Connectedness for Child Wellbeing

Presented by: Jessica Saniguq Ullrich, Inupiaq, MSW, PhD of the University of Alaska Anchorage School of Social Work

November 2021

Substance Use Among Pregnant and Parenting People: Research and Interventions to Promote Wellbeing

Presented by: Anna Austin

December 2021

Building a Trauma-Informed Community: The San Antonio Experience

Presented by Colleen Bridger PhD, MPH

Firearm Injury Prevention Initiative Webinars

The Firearm Injury Prevention Initiative webinar series hosts educational events to coordinate, synergize, and stimulate collaborative approaches to firearm injury prevention.

January 2021

Rethink Part 1: Talking about Firearm Injury and Gun Violence

Presented by: Fatimah Loren Muhammad MS, Jill Harkavy-Friedman Ph.D., & Rob Pincus

February 2021

The First Year of Colorado 'Red Flag' Extreme Risk Protection Order

Presented by: Leslie Barnard MPH & Adam Rice JD

March 2021

Rethink Part 2: Talking about Firearm Injury and Gun Violence

Presented by: Jill Harkavy-Friedman Ph.D., Fatimah Loren Dreier MS, & Rob Pincus

October 2021

Surgeons, Guns & Prevention: Lessons Learned from the American College of Surgeons Member Survey

Presented by: Ronny Stewart MD, Arielle Thomas MD, MPH, Brendan Campbell MD, MPH & Deborah Kuhls MD, FACS, FCCM, FRCST

November 2021

Risk Assessment and Firearm Access

Presented by: Jacquelyn Clark, Richard Martinez MD, & Michael Victoroff MD



PUBLICATIONS

2021 PUBLICATIONS
FROM CENTER
MEMBERS

PUBLICATIONS

In 2021, members of the Injury Center published 70+ journal articles, covering a range of topics including firearm injuries and prevention, intimate partner violence, suicide, adolescent injuries and violence, child maltreatment, concussions, driving injuries, opioids and marijuana use, older adult abuse, mental health, and more.

FIREARMS

- **Betz ME**, Harkavy-Friedman J, Dreier FL, Pincus R, Ranney ML. Talking About "Firearm Injury" and "Gun Violence": Words Matter. *Am J Public Health*. 2021 Dec;111(12):2105-2110.
- Polzer E, Nearing K, Knoepke CE, Matlock DD, McCourt A, **Betz ME**. "Firearm access in dementia: legal and logistic challenges for caregivers". *Int Rev Psychiatry*. 2021 Nov;33(7):653-661.
- Barnard LM, **McCarthy M**, Knoepke CE, Kaplan S, Engeln J, **Betz ME**. Colorado's first year of extreme risk protection orders. *Inj Epidemiol*. 2021 Oct 20;8(1):59.
- **Spark TL**, **Wright-Kelly E**, Ma M, James KA, Reid CE, **Brooks-Russell A**. Assessment of Rural-Urban and Geospatial Differences in Perceived Handgun Access and Reported Suicidality Among Youth in Colorado. *JAMA Netw Open*. 2021 Oct 1;4(10):e2127816.
- **Betz ME**, **Haasz M**. Divergent and Unified: A Path Forward for Firearm Injury Prevention. *J Am Coll Surg*. 2021 Oct;233(4):576-577.
- **Betz ME**, Polzer E, Nearing K, Knoepke CE, Johnson RL, Meador L, Matlock DD. Feasibility and Acceptability of a Web-Based Caregiver Decision Aid (Safety in Dementia) for Firearm Access: Pilot Randomized Controlled Trial. *JMIR Form Res*. 2021 Sep 22;5(9):e30990.
- **Brooks-Russell A**, Ma M, Brummett S, **Wright-Kelly E**, **Betz M**. Perceived Access to Handguns Among Colorado High School Students. *Pediatrics*. 2021 Apr;147(4):e2020015834.
- Polzer E, **Brandspigel S**, **Kelly T**, **Betz M**. 'Gun shop projects' for suicide prevention in the USA: current state and future directions. *Inj Prev*. 2021 Apr;27(2):150-154.
- **Betz ME**, Miller M, Matlock DD, Wintemute GJ, Johnson RL, Grogan C, Lum HD, Knoepke CE, Ranney ML, Suresh K, Azrael D. Older Firearm Owners and Advance Planning: Results of a National Survey. *Ann Intern Med*. 2021 Feb;174(2):279-282.

ADULT & ELDER VIOLENCE AND ABUSE

- **Lindberg DM**. What Will it Take to Achieve Routine Screening for Abuse? *J Pediatr*. 2021 Sep;236:10-11.

CHILD MALTREATMENT, ADOLESCENT INJURY & YOUTH VIOLENCE

- Yuma P, **Orsi R**, Pena AA. Adult mental health and child maltreatment: An ecological study across rural-urban and economic continua with implications for post-pandemic human services. *J Community Psychol*. 2021 Nov 24.
- **Runyan CW**, **Brandspigel S**, Doyle CK, Myers L. Public Health Needs to Engage in the Primary Prevention of Child Maltreatment. *J Public Health Manag Pract*. 2021 Jan/Feb;27(1):E37-E39.

DRUG USE AND ABUSE

- **DiGuseppi C**, Crume T, Van Dyke J, Sabourin KR, Soke GN, Croen LA, Daniels JL, Lee LC, Schieve LA, Windham GC, Friedman S, Robinson Rosenberg C. Peri-Pregnancy Cannabis Use and Autism Spectrum Disorder in the Offspring: Findings from the Study to Explore Early Development. *J Autism Dev Disord*. 2021 Nov 12.
- **Brown T**, Schmitt R, Milavetz G, Gaffney G, **Brooks-Russell A**, Berka C. Cannabis use and reported effects on driving among adults in Iowa. *Traffic Inj Prev*. 2021 Oct 26:1-2.
- Hawk K, **Hoppe J**, Ketcham E, LaPietra A, Moulin A, Nelson L, Schwarz E, Shahid S, Stader D, Wilson MP, D'Onofrio G. Consensus Recommendations on the Treatment of Opioid Use Disorder in the Emergency Department. *Ann Emerg Med*. 2021 Sep;78(3):434-442.
- Franco CY, **Lee-Winn AE**, **Brandspigel S**, Alishahi ML, **Brooks-Russell A**. "We're actually more of a likely ally than an unlikely ally": relationships between syringe services programs and law enforcement. *Harm Reduct J*. 2021 Aug 4;18(1):81.
- **Brooks-Russell A**, **Brandspigel S**, Franco CY, Alishahi ML, **Lee-Winn AE**. Perceptions of Syringe Service Programs and Supervised Use Sites Among a Sample of Registered Voters in a US State. *J Public Health Manag Pract*. 2021 Jul-Aug 01;27(4):361-368.
- **Weiner SG**, **Hoppe JA**. Prescribing Naloxone to High-Risk Patients in the Emergency Department: Is it Enough? *Jt Comm J Qual Patient Saf*. 2021 Jun;47(6):340-342. doi: 10.1016/j.jcjq.2021.03.012. Epub 2021 Apr 4.
- Alishahi ML, Olson K, **Brooks-Russell A**, **Hoppe J**, **Runyan C**. Provider Reactions to Opioid-Prescribing Report Cards. *J Public Health Manag Pract*. 2021 May 13.
- Dille JA, Graves JM, **Brooks-Russell A**, Whitehill JM, Liebelt EL. Trends and Characteristics of Manufactured Cannabis Product and Cannabis Plant Product Exposures Reported to US Poison Control Centers, 2017-2019. *JAMA Netw Open*. 2021 May 3;4(5):e2110925.
- Dubowitz H, Roesch S, **Lewis T**. Child Maltreatment, Early Adult Substance Use, and Mediation by Adolescent Behavior Problems. *Child Maltreat*. 2021 May;26(2):238-248.

DRIVING INJURIES

- **Brown T**, Schmitt R, Milavetz G, Gaffney G, **Brooks-Russell A**, Berka C. Cannabis use and reported effects on driving among adults in Iowa. *Traffic Inj Prev*. 2021 Oct 26:1-2.
 - **Brooks-Russell A**, **Brown T**, Friedman K, Wrobel J, Schwarz J, Dooley G, Ryall KA, Steinhart B, Amioka E, Milavetz G, Sam Wang G, Kosnett MJ. Simulated driving performance among daily and occasional cannabis users. *Accid Anal Prev*. 2021.
 - **Betz ME**, Omeragic F, Meador L, **DiGuseppi CG**, Fowler NR, Han SD, Hill L, Johnson RL, Knoepke CE, Matlock DD, Moran R; AUTO Research Team. The Advancing Understanding of Transportation Options (AUTO) study: design and methods of a multi-center study of decision aid for older drivers. *Inj Epidemiol*. 2021 May 3;8(1):23.
 - Di X, Shi R, **DiGuseppi C**, Eby DW, Hill LL, Mielenz TJ, Molnar LJ, Strogatz D, Andrews HF, Goldberg TE, Lang BH, Kim M, Li G. Using Naturalistic Driving Data to Predict Mild Cognitive Impairment and Dementia: Preliminary Findings from the Longitudinal Research on Aging Drivers (LongROAD) Study. *Geriatrics (Basel)*. 2021 Apr 23;6(2):45.
 - Xue Y, Chihuri S, Andrews HF, **Betz ME**, **DiGuseppi C**, Eby DW, Hill LL, Jones V, Mielenz TJ, Molnar LJ, Strogatz D, Lang BH, Kelley-Baker T, Li G. Potentially Inappropriate Medication Use and Hard Braking Events in Older Drivers. *Geriatrics (Basel)*. 2021 Feb 20;6(1):20.
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CONCUSSION AND BRAIN INJURIES

- **Howell DR**, Hunt DL, Aaron SE, Hamner JW, Meehan WP 3rd, Tan CO. Association of Hemodynamic and Cerebrovascular Responses to Exercise With Symptom Severity in Adolescents and Young Adults With Concussion. *Neurology*. 2021 Nov 30;97(22):e2204-e2212.
- Schmidt JD, **Anderson M**, Weber Rawlins M, Foster CA, Johnson BR, D'Lauro C. Number of prior concussions predict poorer concussion care seeking in military cadets. *Brain Inj*. 2021 Nov 10;35(12-13):1598-1606.
- **Howell DR**, Potter MN, Provance AJ, Wilson PE, Kirkwood MW, Wilson JC. Sleep Problems and Melatonin Prescription After Concussion Among Youth Athletes. *Clin J Sport Med*. 2021 Nov 1;31(6):475-480.
- **Mohatt NV**, Kreisel CJ, **Brenner LA**; CRITICAL Team. Engaging Those Living With Moderate to Severe TBI and Their Caregivers in Research. *J Patient Exp*. 2021 Mar 3;8:2374373521998852.
- Howell DR, Seehusen CN, Walker GA, Reinking S, Wilson JC. Neuromuscular training after concussion to improve motor and psychosocial outcomes: A feasibility trial. *Phys Ther Sport*. 2021 Nov;52:132-139.
- Brenner LA, Grassmeyer RP, Biffi S, Kinney AR, Dise-Lewis JE, Betthausen LM, Forster JE. Met and unmet rehabilitative needs among pediatric patients with moderate to severe TBI. *Brain Inj*. 2021 Aug 24;35(10):1162-1167.

SUICIDE

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- **Mohatt NV**, Kreisel CJ, Hoffberg AS, Mph LW, Beehler SJ. A Systematic Review of Factors Impacting Suicide Risk Among Rural Adults in the United States. *J Rural Health*. 2021 Jun;37(3):565-575.
- Monteith LL, Holliday R, **Brown TL**, **Brenner LA**, **Mohatt NV**. Preventing Suicide in Rural Communities During the COVID-19 Pandemic. *J Rural Health*. 2021 Jan;37(1):179-184.

MENTAL HEALTH

- **Boggs JM**, Ritzwoller DP, Beck A, Dimidjian S, Segal ZV. Cost-Effectiveness of a Web-Based Program for Residual Depressive Symptoms: Mindful Mood Balance. *Psychiatr Serv*. 2021 Jul 29
- **Brenner LA**, Betthausen LM, Penzenik M, Germain A, Li JJ, Chattopadhyay I, Frank E, Kupfer DJ, Gibbons RD. Development and Validation of Computerized Adaptive Assessment Tools for the Measurement of Posttraumatic Stress Disorder Among US Military Veterans. *JAMA Netw Open*. 2021 Jul 1;4(7)
- **Mould-Millman NK**, Dixon JM, Burkholder T, Pigoga JL, Lee M, de Vries S, Moodley K, Meier M, Colborn K, Patel C, Wallis LA. Validity and reliability of the South African Triage Scale in prehospital providers. *BMC Emerg Med*. 2021 Jan 15;21(1):8.
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