



HARBORVIEW
INJURY PREVENTION
& RESEARCH CENTER

UNIVERSITY of WASHINGTON

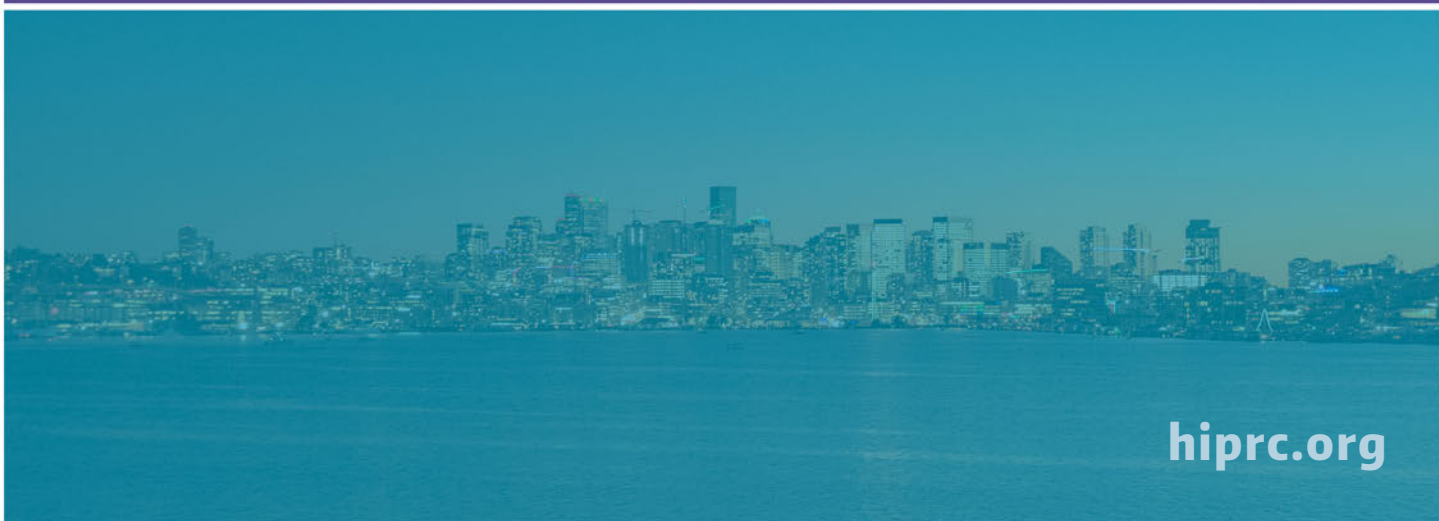
Presenting our

2023

YEAR IN REVIEW



Together, we have the power to prevent injury & violence.



hiprc.org

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Dear HIPRC Community,

I want to take this opportunity to share my gratitude for the University of Washington (UW) Harborview Injury Prevention & Research Center (HIPRC) community, including each of you. The work that you do is incredible and contributes to our shared goals to prevent injury and violence and improve equitable care and outcomes for those who have been injured.

At the HIPRC, we collaborate across disciplines, in our local communities, across the WWAMI region, across the country, and across the globe. We center the voices of those most impacted by injury and violence in our work. Our commitment to community engagement and equitable injury research serves as the foundation for the innovative and impactful contributions that we highlight in this annual report.

As I reflect on the past year at the HIPRC, I am hopeful for the direction of the Center. The HIPRC has been a leader in injury prevention and injury care research for over 40 years. We continue to serve critical roles in community service, research training, and in efforts to achieve injury-related health equity across the country. Support and commitment remain strong from the School of Medicine, Harborview Medical Center and our other partner schools and departments across the UW. As so many across the country and globe continue to experience harm from injury and violence, the importance of our mission has never been more clear.

In 2024, you can expect to see exciting new opportunities to collaborate and share your vision for this new season at the HIPRC. We have launched the HIPRC Speaker Series webinar to bring leading researchers, advocates, practitioners, and community leaders to the HIPRC to share their innovative work. We provide tailored, collaborative research consultations. We continue to provide quantitative and qualitative research methods training, technical expert research and grant support, and journal clubs. In addition, we are planning new training opportunities, community outreach activities, and research grant applications in 2024. We will host listening and visioning sessions to learn how the HIPRC can best adapt to our community's needs.

Thanks to everyone who contributed to the research, outreach, training and education highlighted in this report—I am honored to be part of a committed and inspired community of injury prevention champions!

Onward we go,

Megan Moore, PhD, MSW

INTERIM CENTER DIRECTOR /

Harborview Injury Prevention & Research Center (HIPRC)

Sidney Miller Endowed Associate Professor in Direct Practice / UW School of Social Work

For more information about our Center or to join these happenings, email hiprc@uw.edu.



2023 brought us closer together with community through inspiring events, celebrations & conferences.

Click  each photo to learn more!





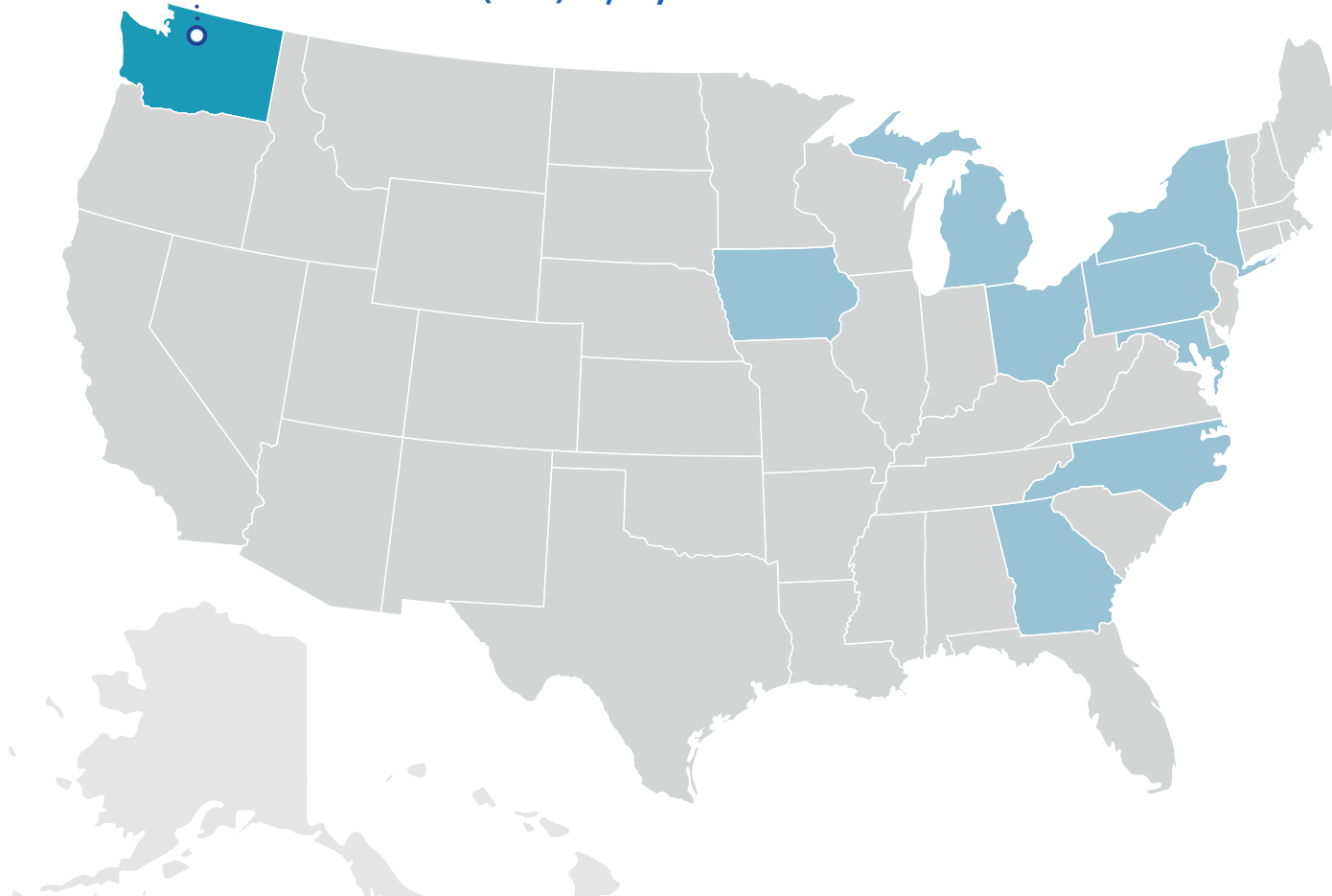
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Founded in 1987 by pediatrician Dr. Abraham B. Bergman and surgeons Drs. Ronald Maier and Clifford Herman, the University of Washington (UW) Harborview Injury Prevention & Research Center (HIPRC) was one of the original four **Centers for Disease Control and Prevention (CDC) Injury Control Research Centers**.



[Dr. Abraham “Abe” B. Bergman](#) recently passed away in November 2023. He spent his career working on the prevention of injuries to children. “He was a major force in the community working to address injuries and disparities,” says Dr. Frederick Rivara, HIPRC Core Faculty.

For 37 years, the HIPRC has conducted rigorous research in injury prevention, injury care, and the public health consequences of violence. Our Center is a leader in interdisciplinary, socially diverse, and inclusive training of public health professionals and has trained over 150 injury

control researchers, most who work in academic settings.

The HIPRC’s work results in effective policy, drives public health practice, and leads to transformational changes in the way we provide health care to injured patients.

The Center collaborates locally, regionally, nationally, and internationally with other leading institutions and organizations dedicated to the same goals.

The HIPRC embeds **health equity** considerations into all of its efforts.

Injury-Related Health Equity Across the Lifespan (iHeal) is the first initiative of its kind to leverage existing partnerships and build new coalitions to collaborate on the national agenda for health equity.

We continue to expand our work toward measurable, large-scale, and sustained impact in reducing injury and violence. iHeal efforts are integral to shaping the HIPRC's center-wide activities addressing health equity across the lifespan.

Together, we have the power to prevent injury and violence.

The HIPRC is committed to creating a respectful workspace as we seek to identify and correct structural biases that perpetuate inequities in health and well-being. We aim to dismantle biases based on age, disability, religion, ethnicity and race, social class, sexual orientation, indigenous group membership, national origin, gender identity, and linguistic differences. ***Join us!***

Featured: (Right) High school student watches [King County Medic One](#) demonstrate [Stop the Bleed](#) techniques and proper wound care at the HIPRC's Outreach Learning Series event, hosted at Harborview Medical Center.

HEALTH EQUITY



Our Mission

To reduce impact of injury & violence on people's lives.



Our Vision

To achieve health equity across all ages & groups through interdisciplinary research, training, education, & public awareness.



Core Achievements:

The **HIPRC Administrative Core** provides an infrastructure and communications network that supports the Center's mission and goals, while bridging all Center functions. The Core provides oversight and ensures equitable strategic, academic, and fiscal responsibility and accountability for all Center activities and strives to be an active and interactive nexus for the Internal, External, and Community Advisory Boards that support the Center's work. The Core continuously works to ensure sustainability, growth, flexibility, and impact by expanding, strengthening, and diversifying partnerships.

Core Highlights:



• Swim Seattle initiative »

In April 2023, in collaboration with Mayor Bruce Harrell, City of Seattle Parks and Recreation Department, and a host of community partners, the HIPRC took part in launching the [Swim Seattle initiative](#). Swim Seattle, a new pilot program, was designed to reduce drownings and remove barriers that have historically prevented youth and families from accessing swim lessons.

Swimming is an essential life skill that must be taught to *all children*. Swim Seattle provides FREE swim lessons so that families can enjoy water safely. The pilot program successfully served 250 low-income youth with the hope of expanding lessons citywide and throughout the WWAMI region in 2024.



• CDC Summer Intern »

Hannah Scheuer, MSW, LICSW, HIPRC Trainee, was selected for the Center's summer internship with the [National Center for Injury Prevention and Control, Centers for Disease Control and Prevention](#).



Centers for Disease
Control and Prevention
National Center for Injury
Prevention and Control

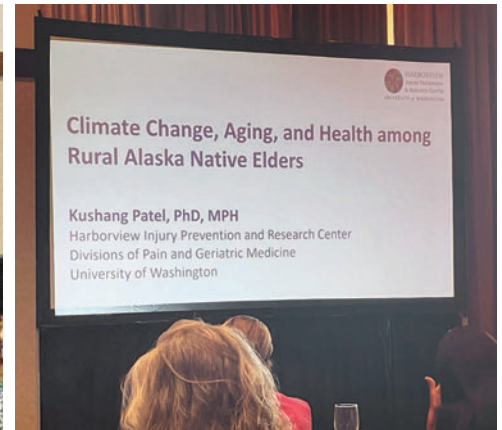
During her time working with the Division of Injury Prevention's (DIP) health equity unit on a project entitled, "*Understanding Health Equity in Injury Prevention*" Scheuer developed the Continuum of Health Equity Practice and Science, a new framework that helped the DIP health equity unit understand the breadth of health equity work occurring across the division and inform decision-making.

Scheuer's internship was extended into the fall, providing her the opportunity to present her work at the Safe States conference in Denver, Colorado.

Featured: (Top) Swim Seattle logo courtesy of [Seattle Parks & Recreation](#).

(Bottom) Hannah Scheuer, MS, LICSW, HIPRC Trainee, selected as the only UW intern for the 2023 CDC Summer Internship.

Core Highlights:



• CDC Core SIPP & ICRC Joint Awardee Meeting »

The National Center for Injury Prevention and Control's Division Injury Prevention, Core State Injury Prevention Program (Core SIPP) and the Injury Control Research Center (ICRC) Program jointly hosted a Reverse Site Visit in September of 2023 to bring partners together to discuss their work and research.

Members of the HIPRC and Washington State Department of Health (WA DOH) served on the *"Building Capacity and Implementing Injury and Violence Prevention Related Health Equity Work Panel"* and, jointly, shared experiences and lessons learned from collaborating on projects to advance health equity through the HIPRC's [Return-to-Learn \(RTL\) program implementation for students with concussion](#).

• New IVP Topics resource page »

The HIPRC Communications team launched an Injury and Violence Prevention (IVP) Topics resource page (hiprc.org/topics) equipped with easy-to-use Search and Filter features to help quickly locate information by topic, category, or alphabetical order. This new online resource allows users to quickly find and review expert information from Washington state resources; regional Washington, Wyoming, Alaska, Montana, Idaho (WWAMI) resources; and national and international resources.

Featured: (Top Left) Aspen Avery, MPH, HIPRC Research Scientist, answers questions on panel alongside, Dr. William Hitchcock, WA DOH Health Services Consultant. (Not Shown at Right) Kushang Patel, PhD, MPH, HIPRC Associate Director and Research Core Director presents the HIPRC's Year 5 Mentorship Project entitled, *"Climate Change, Aging, and Health among Rural Alaska Native Elders."*





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Core Achievements:

The HIPRC [Research Core](#) is dedicated to leading and supporting injury and violence prevention research. We join our communities in this endeavor, including the University of Washington, local and regional partners, and colleagues across the country and around the world. Research spans the continuum of injury prevention and response. Our work includes epidemiological research to determine injury causes and risk factors. When injury does occur, we study the spectrum of acute, rehabilitation, and long-term recovery care in the hospital, home, and community. We are actively engaged in expanding our capacity in both innovative qualitative and quantitative approaches, as well as applying community-engaged and equity-informed research methods.

Core Highlights:



Logo: Courtesy of JAMA Network | Open
(jamanetwork.com/journals/jamanetworkopen).



Logo: Courtesy of Center for Alaska Native Health Research (canhr.uaf.edu).

• Defining Posttraumatic Sepsis for Population-Level Research »

New research published January 2023 in [JAMA Network Open](#) examines how well commonly used administrative data methods capture sepsis events in critically ill patients with traumatic injury. The study found current administrative methods misclassify and underestimate sepsis events. These results indicate that new analytic approaches, such as automated classification using clinical data from electronic health records, are needed to identify sepsis among severely injured patients with trauma. The study was led by researchers from the Division of Trauma, Burn, and Critical Care in the Department of Surgery at the University of Washington School of Medicine and the Harborview Injury Prevention & Research Center.

• Alaska Native Elder Perspectives on Climate Change, Aging, and Injury Risk »

The HIPRC is excited to partner with Dr. Stacy Rasmus and the Center for Alaska Native Health Research at the University of Alaska Fairbanks. Drs. Patel and Rasmus are collaborating to investigate Alaska Native elder perspectives on climate change, aging, and injury risk. This [qualitative study](#) aims to engage with Alaska Native elders to gain insights on community adaptation to climate change and potential mitigation of climate-related health risks.

Core Highlights:

• New Grant from the Washington Traffic Safety Commission (WTSC) »



Researchers at the HIPRC have received funding from the WTSC to examine electric scooter (e-Scooter) related injuries in Washington State and estimate the potential impact of e-Scooter share programs on injuries. This project is led by Drs. Xinyao de Grauw and Kushang Patel and is estimated to be [completed late 2024](#).



Logo: Courtesy of Washington Traffic Safety Commission ([WATC](#)). **Images:** Courtesy of Adobe Stock.



OUR CENTER'S SIGNATURE CDC PROJECTS:

► Return to Learn after Traumatic Brain Injury,

M.S. Vavilala, MD (PI),
M. Moore, PhD,
E. Kroshus, ScD, MPH,
B. Weiner, PhD,
A. Glang, PhD.

► Collaborative Opioid Taper after Trauma,

M. Sullivan, MD (PI),
L.M. Baldwin, MD, MPH,
D. J. Tauben, MD,
D. Gordon, DNP,
S. Arbabi, MD, FACS.

► Evaluation of a Healthcare Provider Suicide Prevention Training Program in WA,

A. Rowhani-Rahbar, MD, PhD, MPH (PI),
P. Borghesani, MD, PhD,
J. Stuber, PhD,
A. Ratzliff, MD,
F. Rivara, MD, MPH.

► Development and Testing of a Toolkit to Prevent Falls in Long Term Care Facilities,

H. Thompson, PhD, RN, ARNP, CNRN, AGACNP-BC, FAAN (PI),
K. Patel, PhD, MPH (Co-PI),
E. Phelan, MD, MS,
E. McGough, PT, PhD.



Centers for Disease
Control and Prevention
National Center for Injury
Prevention and Control

Core Achievements:

The HIPRC [Training & Education Core](#) supports skilled, insightful, diverse, and productive learners, researchers, and practitioners who have an interest in advancing the field of injury and violence prevention. The Core seeks to improve equity in training and education access among underrepresented populations.

In collaboration with the HIPRC's Research and Outreach Cores, the Training & Education Core strives to develop technically adept researchers who are responsive to community needs and priorities.

Core Highlights:

- **INSIGHT Programs: Serving students from across the U.S. and Globe »**

In 2023, the HIPRC'S three INSIGHT Programs increased national and international engagement:

our INSIGHT [Summer Research](#) Program's applicant pool had over 430 applicants, with 18 accepted interns. Our virtual, robust INSIGHT [High School](#) Program included 47 students. And, our FREE virtual extension program, INSIGHT [REACH](#), included over 45 students!

Collectively, the HIPRC's INSIGHT Programs are supported by the HIPRC faculty and staff, in addition to researchers and health professionals from within, and outside, the University of Washington who provide state of the art training and education in areas of injury and violence prevention.

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INSIGHT Program

OUR 2023 INSIGHT PROGRAM INCLUDED:

UNDERGRADUATE »

- **430 Applicants**
from over 150 schools
- **22% Applicants**
Underrepresented Minority (URM)
- **22% Applicants**
First Generation
- **18 Accepted Trainees**
- *Applicants from **40 U.S. States***

HIGH SCHOOL »

- **48 Participants**
from nine U.S. states & China
- **13 Scholarships Awarded**
- **Five Community Partners:**
 - » PEMCO
 - » foundry10: education research
 - » Rainier Beach High School
 - » Franklin High School
 - » AAA Washington

REACH »

- **47 Participants**
from 21 U.S. states & across the globe
- **21% Participants**
Underrepresented Minority (URM)
- **23% Participants**
First Generation
- *Participants from **Over 40 schools***

Core Highlights:

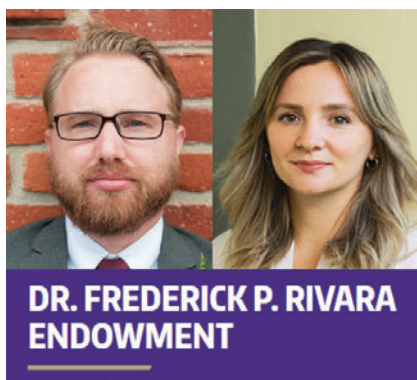
• Partnership with Northwest Indian College »

The HIPRC and the Northwest Indian College ([NWIC](https://nwic.edu)) piloted a program which provided the opportunity for two NWIC students to join our INSIGHT REACH Program and take part in a summer research experience.

The two NWIC students met regularly with two research mentors, Ms. YakaiYastai Gorman-Etl, Northwest Indian College Behavioral Health, and Dr. Theresa Hoeft, the HIPRC's Outreach Core Director of Community Engaged Research, to develop and conduct a research project leveraging Indigenous methodologies. Both students presented their research findings to the HIPRC Faculty, Staff, and Trainees at the end of the pilot program. The students also received a Certificate in Injury and Violence Prevention.



Logo: Courtesy Northwest Indian College (nwic.edu)



DR. FREDERICK P. RIVARA
ENDOWMENT

Featured: Lars Almquist, MAPJ (left)
and Aldina Mešić, MPH (right).

• Dr. Frederick P. Rivara Endowment Recipients »

The HIPRC awarded Lars Almquist, MAPJ and Aldina Mešić, MPH the [2023 Endowment](#).

This award provides resources to graduate students and postdoctoral trainee investigators looking to conduct an injury-related project that will advance knowledge of injury prevention, treatment or recovery and help with career advancement.

• T-32 Program »

The Department of Pediatrics at the UW School of Medicine and the HIPRC Training & Education Core is proud to have the only National Institute of Child Health and Human Development (NICHD) funded [Pediatric Injury T-32 Program](#), which provides funding to train pediatric injury and violence prevention researchers.

In 2023, the HIPRC was proud to have five T-32 Post-Doctoral Scholars.

2023 | T-32 POST-DOCTORAL SCHOLARS:

• Lauren Agoubi, MD, MA »

Social Determinants of Health in Traumatic Injury, Surgical Care Access

• Anna Bender, PhD, MSW »

Pediatric Injury & Violence exposure, IPV

• Chelsea Hicks, PhD, MPH »

Violence, Social vulnerability, and Disasters

• Keith Hullenaar, PhD »

Criminology and Health

• Paul Neuville, MD »

Genito-urinary Reconstruction

Core Achievements:

The HIPRC [Outreach Core](#) focuses on innovative and effective communication, equity, and impact in preventing injury and violence. The Core collaborates with the HIPRC researchers and the Research and Training & Education Cores to support the translation of research to practice. Center researchers collaborate with policy experts and community partners to conduct and disseminate research findings that aim to prevent injuries and violence. Using best practices from health education, behavioral science, social marketing, and communication, we support research that is responsive to community injury and violence prevention priorities. In partnership with the Community Advisory Board, we respectfully collaborate with our community partners and are responsive to their priorities.

Core Highlights:

• Outreach Learning Series »

Students from Rainier Beach and Franklin High School paid a visit to the HIPRC in January of 2023 for the [Outreach Learning Series: Engaging High School Students in Injury & Violence Prevention Careers](#) event. This event, supported by the HIPRC Outreach Core, hosted approximately 30 students who were interested in learning more about injury and violence prevention. Students were given a mock crisis scenario on the steps taken both pre-hospital and at a hospital and trauma center to manage and then rehabilitate a gunshot wound patient. The goal of this event was to introduce and teach high school students about potential careers in healthcare. This event provided a particular focus to careers that students might encounter at a Level 1 Trauma Center with an injury and violence prevention lens.



Featured: Students from Rainier Beach High School and Franklin High School paid the HIPRC a visit in January of 2023 to learn about career opportunities in healthcare.



Core Highlights:



Featured: Marie Angèle Theard, MD, Associate Director of the HIPRC's Training & Education Core, presents to the ULMS's 2023 Summer University program students.

• Summer Learning Experiences with Local High Schools »

The HIPRC collaborated with the Harborview Medical Center, Seattle Children's Hospital, Washington State University Vancouver, and Public Health – Seattle and King County in partnership with [The Urban League of Metropolitan Seattle \(ULMS\)](#) 2023 Summer University program.

The HIPRC and community partners facilitated four engaging learning sessions on injury and violence prevention topics including: *firearm violence and safety, mental illness and suicide prevention, water safety and drowning prevention, and intimate partner violence and health relationships*. This collaboration helped to provide educational opportunities to 50 students and focused on serving communities of color.

Featured: Chief Eric Hicks, King County Fire District #20 (Left) and Martine Pierre-Louis, MPH, Harborview Medical Center Interpreter Services Language Rights (Right).



• Pop-Up Traffic Garden »

The HIPRC partnered with the Harborview Medical Center to create a pop-up [Pedestrian Traffic Garden](#) at this year's King County Fire District #20's Safety Fair and 80th Birthday Celebration.

The Pedestrian Traffic Garden featured three lanes of traffic on a road with no sidewalks to help teach several safety skills including: *how to cross at a crosswalk safely; how to cross at a street where there are two lanes of traffic in the same direction; and how to walk on a road without sidewalks*. Attendees of all ages enjoyed FREE giveaways and educational activities, including "Spin the Wheel" trivia led by the HIPRC and HMC volunteers.



• Shining our light on Youth Drowning Prevention »

In honor of [2023 National Injury Prevention Day \(NIPD\)](#), the HIPRC and its Outreach Core collaborated with Seattle Children's Hospital, Public Health – Seattle & King County, [SPLASHForward](#), and Amazon to co-host a FREE Virtual Student Lifeguard Workshop.

King County High School students were introduced to lifeguarding and a "pipeline" was created in response to Seattle's lifeguard shortage. Over 50 participants attended the workshop, representing more than 27 King County high schools. Approximately 30 students will receive a scholarship towards earning a lifeguard certification.

Courtesy: THANK YOU to our NIPD panel of experts and community partners.



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We appreciate your interest in making a gift to the HIPRC. Your donation supports our mission to reduce the impact of injury and violence on people's lives in the U.S. and globally.

Donations can be made to the HIPRC through the University of Washington website at together.uw.edu.



Together, we are dedicated to reducing injury & violence in people's lives - [learn more »](#)



Thank You for **Your Support!**

We are deeply grateful to our colleagues & community partners:

CENTERS FOR DISEASE CONTROL & PREVENTION
CORE STATE VIOLENCE & INJURY PREVENTION PROGRAM (CORE SVIPP): AK, OR, MT, WA
HARBORVIEW MEDICAL CENTER
KING COUNTY DEPARTMENT OF COMMUNITY & HUMAN SERVICES
MONTANA DEPARTMENT OF PUBLIC HEALTH & HUMAN SERVICES, OFFICE OF AMERICAN INDIAN HEALTH
NATIONAL INSTITUTES OF HEALTH
NORTHWEST CENTER FOR PUBLIC HEALTH PRACTICE
NORTHWEST INDIAN COLLEGE
PUBLIC HEALTH – SEATTLE & KING COUNTY

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SEATTLE CHILDREN'S HOSPITAL
SEATTLE POLICE DEPARTMENT, COLLABORATIVE POLICING BUREAU
SEATTLE FIRE DEPARTMENT
SOUND GENERATIONS
SPLASHFORWARD
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UW MEDICINE

UW NW CENTER FOR EXCELLENCE IN MEDIA LITERACY
UW POPULATION HEALTH INITIATIVE
UW SCHOOL OF LAW
UW SCHOOL OF MEDICINE
UW SCHOOL OF NURSING
UW SCHOOL OF PUBLIC HEALTH
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WA STATE DEPARTMENT OF HEALTH
YMCA OF GREATER SEATTLE

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