

The National Center for Disaster Medicine and Public Health **2022** Annual Report



Empowering Scientists and Educators
to Protect Our Nation's Health from Disasters

NCDMPH



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Services
University

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In coordination with the Uniformed Services University of the Health Sciences (USU), this report fulfills the requirements between USU and the Assistant Secretary of Defense for Health Affairs. The views within this report are solely those of the authors and do not reflect the view of USU, and the U.S. Department of Defense.

Report Design

Henry M. Jackson Foundation
for the Advancement of Military Medicine
(hjf.org)

Letter from the Director

We have all learned important, often sad lessons about disaster health from our long COVID-19 winter. The National Center for Disaster Medicine and Public Health (NCDMPH or National Center) is applying these lessons and many more to improve our nation's health care readiness for future pandemics, disasters and conflicts.

With this Annual Report, I am delighted to highlight the National Center's accomplishments and share some of our aspirations for the next year. We have returned to a hybrid office model as our activities, staff and responsibilities continue to grow to meet critical federal and local health care preparedness needs. We have worked closely with our interagency partners, planned and executed national programs, conducted webinars and published scientific papers and health care guidelines. To summarize a few of our accomplishments:



Operations—Health Care Preparedness Activities

- We completed the first year of the five-year, congressionally-mandated National Disaster Medical System (NDMS) Pilot program, identifying critical weaknesses and opportunities at five sites – Sacramento, San Antonio, Denver, Omaha, and the National Capital Region.
- From in-depth analysis, we produced a master implementation plan and five site-specific implementation plans that will guide operational interventions to improve our nation's health care preparedness.
- Working with our partners, we produced reports on Health Care System Capacity Modeling, COVID-19 Lessons Learned and a Legislative Landscape Review.

Research Activities

- We continued to publish in quality peer-reviewed journals, with 12 peer-reviewed papers, editorials, and book chapters to add to disaster scientific knowledge.
- Our publication, Mass Shootings in America: Consensus Recommendations for Healthcare Response, was a ground-breaking contribution to preparing health care facilities for the ongoing and frequent tragedies of mass shootings.
- We continued to collaborate with researchers and educators around the nation to advance our scientific agenda.

Education Activities

- The Stop the Bleed training initiative continued to reach thousands of people through the mobile application and our collaboration with the American Red Cross.
- We initiated a project to update the Disaster Health Core Competencies to better meet the needs of health care workers affected by COVID-19.
- We worked with the Department of Defense and our federal agency partners to identify and address critical disaster health education needs.

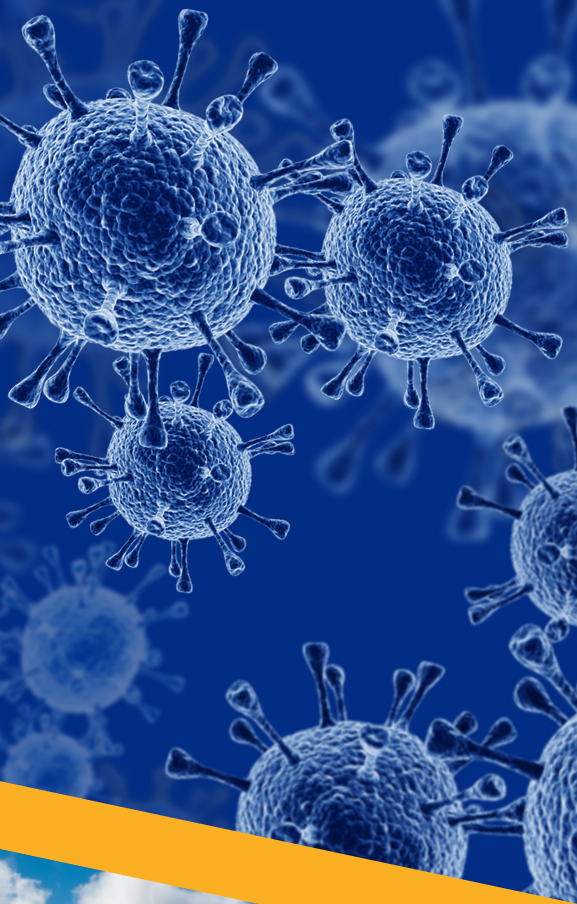
The activities in this report are the bedrock on which we develop our research and education initiatives – always with the collaborative spirit that makes up the National Center's DNA. We look forward to a bright future in 2023 when we apply our knowledge to make tangible improvements in NDMS and our nation's overall health care readiness.

Thank you for supporting the National Center. We stand ready to engage the opportunities that lie ahead and look forward to working with our existing and future partners.

Sincerely,

A stylized, handwritten signature in black ink, appearing to read 'TKirsch'.

Thomas D. Kirsch, M.D., M.P.H., FACEP
Professor and Director, NCDMPH



About NCDMPH

MISSION: The Mission of the National Center for Disaster Medicine and Public Health is to improve the United States disaster health readiness through advancements and improvements in education, research, practice, and policy.

VISION: The National Center for Disaster Medicine and Public Health will be the United States' academic center of excellence leading disaster health education and research. In collaboration with our federal partners, we will facilitate science and education to inform policy, operations, and funding decisions that improve our readiness, save lives and mitigate injuries in disasters.

NCDMPH is uniquely positioned as a bridge between federal agencies and academia.

Homeland Security Presidential Directive 21 established NCDMPH in 2007 to be an academic center of excellence in disaster medicine and public health under five federal agency partners: the Department of Defense, Department of Health and Human Services, Department of Homeland Security, Department of Transportation, and Department of Veterans Affairs. NCDMPH is both a federal organization and an academic center located in the Uniformed Services University of the Health Sciences working with military, nonprofit, private and federal collaborators to advance the mission.

NCDMPH:

- **Leads** and collaborates with strategic partners to advance disaster medicine and public health education and research agendas.
- **Serves** as a neutral coordinator across federal, state, tribal, and local governments; non-government associations and organizations; and academia.
- **Convenes** experts from diverse backgrounds to define disaster health issues and recommend policy solutions.
- **Provides** expert consultation to all strategic partners regarding disaster health education, training and science.





Disaster Education

NCDMPH identifies disaster medicine and public health preparedness educational needs and creates educational content and courses to increase national preparedness.

How it's done:

- Lead the national disaster health and public health education agenda by creating evidence-based curricula objectives and content with academic partners and validating training activities.
- Create collaborative and coordinated activities with academic partners, professional organizations and the private sector.
- Integrate NCDMPH educational activities into the national health care preparedness and response framework.

Disaster Health Core Curriculum

The NCDMPH Disaster Health Core Curriculum is a cornerstone of health care preparedness education. The burden of the COVID-19 pandemic led many health care professionals to seek further disaster health training through this free resource. The course has been included in formal training across all ten Medical Reserve Corps regions, regional and local health departments, nursing schools, Centers for Disease Control and Prevention, and Emergency Medical Services programs nationwide.

To learn more about the Disaster Health Core Curriculum, watch the introduction at:

<https://ncdmph.usuhs.edu/education/core-curriculum>

I will use the guidelines of personal safety in case of any conventional or non-conventional threats to stay safe. I will also teach my family members on how they can do the same.



Today, COVID is real. Before and during COVID-19, my family and I were scared with little to no knowledge on what to do. This helped me know what to do now and in the future.

I will apply the lessons learned in surge capacity to activate the disaster response plan in my hospital, provide the necessary emergency treatment for the injured, triage cases, and organize for patients whom the hospital cannot accommodate or who require specialized attention.

STOP THE BLEED Initiative

The Stop the Bleed (STB) initiative trains, equips, and empowers laypersons to stop bleeding in emergencies. Key accomplishments and activities include:

STOP the Bleed Mobile Application

The free STB app was launched in May 2018, and its use continues to grow. It walks people through each step needed to stop bleeding in an emergency.

play.google.com/store/apps/details?id=edu.usuhs.stb

itunes.apple.com/us/app/stb/id1336173602?mt=8

STOP the Bleed Education Consortium (SBEC)

SBEC is an internationally-recognized group of experts led by NCDMPH who set standards for bleeding control education. The group published the first national education standards for hemorrhage control training in 2022.

ncdmph.usuhs.edu/research/stop-the-bleed/education-consortium

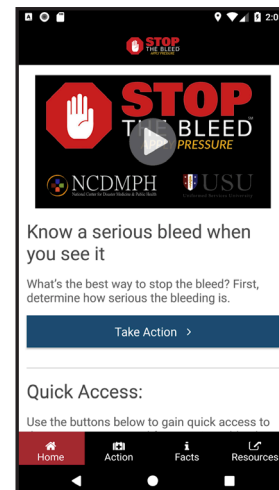
Research, Statistics, and a Tourniquet

The STOP THE BLEED® podcast

Presenter: Craig Goolsby, M.D.

<https://open.spotify.com/episode/7pCT9bgs7aodkY4Gv7Xyee>

[comepisode/7pCT9bgs7aodkY4Gv7Xyee](https://open.spotify.com/episode/7pCT9bgs7aodkY4Gv7Xyee)



FAST™

First Aid for Severe Trauma

First Aid for Severe Trauma™ (FAST) is the first national STOP THE BLEED® course designed specifically for high school students. NCDMPH developed and launched FAST in collaboration with the American Red Cross, with funding from the Department of Homeland Security. FAST teaches the knowledge and skills necessary to save lives in the minutes after a severe injury – before help can arrive. FAST is now available from the Red Cross in three formats: instructor-led, web-only, and blended to allow maximum flexibility for students and teachers.

new instructors trained to teach FAST	32
instructors bridged into FAST	773
instructors crossed over into FAST	133
students trained (instructor-led)	1848
students trained (blended)	613
students trained (online)	740
TOTAL TRAINED	4139



redcross.org/fast



[dhs.gov/science-and-technology/
first-aid-severe-trauma](https://dhs.gov/science-and-technology/first-aid-severe-trauma)



ncdmph.usuhs.edu/fast



Disaster Science

NCDMPH's scientific strategic mission is to conduct, translate, and propagate research that informs disaster health readiness practice and policy.

How its done:

- Collaborate with public and private sector partners to develop and drive a coordinated national disaster science and research agenda.
- Translate disaster-related research to solve practical problem sets and inform policy solutions for federal, state, tribal and local partners.
- Build a base of science and education evidence to improve the nation's disaster health preparedness.

Military-Civilian NYC COVID-19 Response Workshop

In collaboration with the Icahn School of Medicine at Mount Sinai (MSSM), NCDMPH hosted a Military-Civilian Health Care Integration Delphi Conference to evaluate the military response to COVID-19 in New York City. MSSM and NCDMPH teams, along with military and civilian health care professionals, identified key issues from the military-civilian response to the COVID-19 pandemic in NYC during Spring 2020. NCDMPH conducted pre-conference interviews with these individuals before hosting the conference virtually in April 2022. The conference gathered civilian and military health care professionals to discuss lessons learned and develop recommendations for patient care transitions.



Transforming Technology for the Warfighter (TTW) Program



Evaluating the Functionality of a Novel Layperson Tourniquet: A Doppler Study

NCDMPH, in collaboration with partners at Brigham & Women's Hospital/Harvard Medical School, InnoVital Systems, Inc., Mayo Clinic, and Linköping University, developed and tested the Layperson Audiovisual Assist Tourniquet (LAVA TQ). The LAVA TQ enables untrained people to stop severe bleeding by walking them through its use with audiovisual instructions. NCDMPH and InnoVital Systems, Inc. also collaborated to develop a tourniquet testing fixture that measures surface pressure and indicates when the artery is occluded and the bleeding stopped.



Publications

1. **Kirsch TD, Lee CJ, Kimball MM, Gill KB, Sison AR, Sizemore WL, Adeniji AA, Klimczak VL, Deussing EC.** Opportunities to Strengthen The National Disaster Medical System: The Military-Civilian NDMS Interoperability Study. *Health Security*, 2022.
2. **Kirsch TD.** Heroism is not a Plan – From ‘Duty to Treat’ to ‘Risk and Rewards.’ *American Journal of Bioethics*, 2022.
3. Basaglia A, van de Lindt J, **Kirsch TD**, Spacone E. A Discrete-event Simulation Model of Hospital Patient Flow Following Major Earthquakes. *Intl J of Disaster Risk Reduction*, 2022.
4. Malcolm T, **Quintanilla N**, Plotkin I, **Kirsch TD.** Utilization of the TRAIN Learning Network for Online Disaster Medicine and Public Health Training During the COVID-19 Pandemic. *Disaster Medicine and Public Health Preparedness*, 2022.
5. **Goolsby C, Schuler K**, Krohmer J, Gerstner D, Weber N, Slattery D, Kuhls D, **Kirsch TD.** Mass Shootings in America: Consensus Recommendations for Healthcare Response. *Journal of the American College of Surgeons*, 2022.
6. Miller-Hooks E, TariVerdi M, Prentiss D, **Kirsch TD.** A Flatter Curve Affords Hospitals Greater Time to Prepare and Improved Response to a Pandemic Surge. *International Journal of Medical Informatics. SSRN Electronic Journal*, 2022.
7. Cole R, Rudinsky S, Conley S, Votja L, Kwon S, Garrigan A, Proseck E, **Goolsby C.** The Impact of Medical School on Military Physicians’ Readiness for Their First Deployment. *Military Medicine*, 2022.
8. Shahverdi B, Miller-Hooks E, TariVeri M, Prentiss D, **Kirsch TD.** Models for Assessing Strategies for Improving Hospital Capacity for Handling Patients during a Pandemic. *Disaster Medicine and Public Health Preparedness*, 2022.
9. **Lee CJ**, Allard RJ, **Adeniji AA, Quintanilla N, Kirsch TD.** The National Disaster Medical System and Military Combat Readiness: A Scoping Review. *Journal of Trauma Acute Care Surg.* 2022; 93(2S): S136-S146.
10. Cole R, Garrigan A, Peters S, Conley S, Rudinsky S, Tilley L, Votja L, Schwartz J, Weston C, **Goolsby C.** The Impact of Operation Bushmaster on Medical Student Decision-Making in a High-Stress, Operational Environment. Accepted for publication in *Military Medicine*.
11. **Goolsby C**, Lala V, Gebner R, **Dacuyan-Faucher N**, Charlton N, **Schuler K.** Emergency Physician Risk of Occupational Mortality: A Scoping Review. *Journal of the American College of Emergency Physicians*, 2021.
12. Wycoff M, **Goolsby C** et al. 2021 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations: Summary From the Basic Life Support; Advanced Life Support; Pediatric Life Support; Neonatal Life Support; Education, Implementation, and Teams; First Aid Task Forces; and the COVID- 19 Working Group. Co-published in the journals *Circulation and Resuscitation*, 2021.

To learn more about NCDMPH’s research efforts or view links to previously published articles, visit
usuhs.edu/ncdmph/research

Presentations

The National Disaster Medical System (NDMS) Pilot Program: From pandemics to near-peer conflict, how do we prepare our nation for tomorrow's medical surge event?

AMSUS Annual Meeting, February 2022

Presenter: **CAPT. Eric Deussing**

A Comprehensive Approach to Large-Scale Pandemic Surge: Mt Sinai Health System Response to COVID-19
Preparedness Summit, April 2022.

Presenter: **Adeteju Adeniji**

Military and Civilian Partnerships to Address Large-Scale Medical Surge: The NDMS Pilot Program
Preparedness Summit, April 2022.

Presenter: **Kimberly Gill, Ph.D.**

How to Respond to 21st Century Threats: Healthcare System Readiness and Emergency Preparedness
SAEM22, May 2022

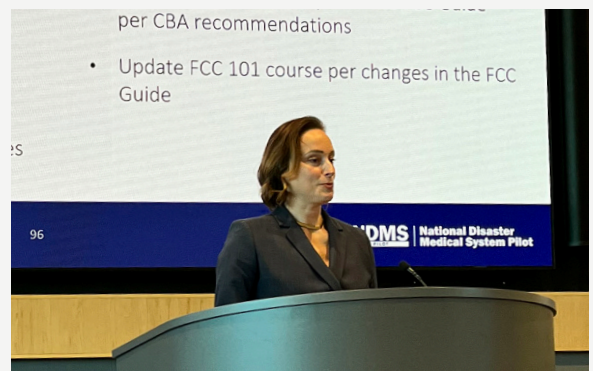
Presenter: **Thomas Kirsch, M.D.**

Improving Definitive Care for Wounded Warriors in a Near-Peer Conflict: The Military-Civilian National Disaster Medical System Interoperability Study (MCNIS)
Military Health System Research Symposium, September 2022

Presenter: **CAPT. Eric Deussing**

The National Disaster Medical System (NDMS) Pilot Program: Enhancing Capacity, Capability, and Interoperability across the NDMS Definitive Care Network
California Hospital Association Disaster Planning Conference, September 2022

Presenter: **Gabriela Paszt**



Operations–Health Care Preparedness

The DoD National Disaster Medical System (NDMS) Pilot Program

NCDMPH expanded the Pilot team to meet the needs of the increasingly complex project, adding operational staff and a program evaluation science team at each site to assess the effectiveness of the Pilot. The team led a broad range of Year-1 activities – building regional coalitions and plans, targeted sub-studies, and direct support for NDMS activities – all based on the foundational results of the 2021 Military Civilian NDMS Interoperability Study (MCNIS).

The primary focus of the Pilot's first year was to build civilian-federal collaborations at each of the five sites by engaging the Federal Coordinating Centers, emergency management, and dozens of public, private, and non profit health care organizations at the local and state levels. Through these partnerships, the Pilot's field teams conducted a comprehensive, multi-step analysis of the most pressing needs of NDMS.



Baseline Capabilities Survey & Landscaping Analysis

Gather information from stakeholders on present capabilities via a web-based survey



Peer Collaboration Forum (PCF)

Facilitate collaboration between stakeholder groups through discussions and gather information to inform implementation



Site Implementation Planning

Compile a document that recommends prioritized opportunities to enhance regional NDMS programs based on stakeholder feedback



Federal NDMS Tabletop Exercise

Understand the existing capabilities of the Pilot sites to benchmark enhanced capacity, capability, and military-civilian interoperability. Refine and validate plans

Each site developed a detailed site implementation plan that laid out specific activities and changes needed to strengthen health care system preparedness in the region.

Examples include:

- Increase bed capacity
- Improve interoperability
- Enhance medical surge capability

The Pilot also developed a master implementation plan of strategic, national-level NDMS opportunities for DoD and federal interagency partners. This plan aggregated elements of the site-specific plans that have a national scope, focusing on coordination and collaboration across federal, state, regional, and local partners.





As the year ended, the Pilot conducted tabletop exercises at each site to validate the plans and identify new issues. The exercise used a theoretical scenario of 1,000 combat casualties arriving in the U.S. every day for 100 days to test the regional health care response capacities, communications and organization. More than 200 leaders from across the local stakeholder network participated in the exercises.

Targeted Sub-Studies

COVID-19 Leading Practices

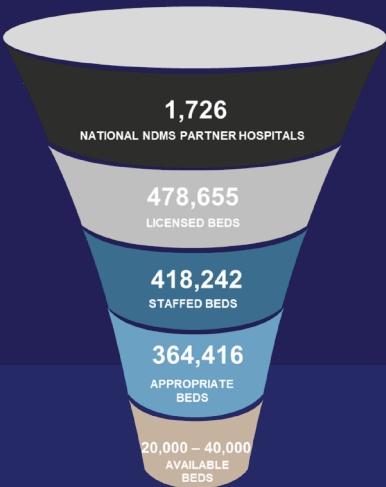
This study focused on capturing the knowledge and experience of how health care systems at each of the five sites adapted to the almost overwhelming surge of COVID-19 patients during the prior two years.

NDMS Federal Legislative Landscape Analysis

The Pilot conducted this analysis to identify significant opportunities to strengthen NDMS authorities, policies, and federal coordination.

NDMS Medical Surge Modeling Tool

The Pilot team led efforts to quantify the number of available medical surge beds in the NDMS definitive care network and model availability by illness/injury categories, care type, clinical specialty, bed type, and occupancy days.



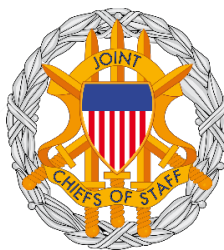
Example of NDMS Available Bed Estimates



Direct DoD Support - Joint Staff and US Northern Command (NORTHCOM) Collaboration

Figure 10: Capabilities of NDMS Medical Bed Estimates

At the beginning of Year 1, NORTHCOM began updating the plan to guide the effective distribution of patients to U.S. hospitals from a large-scale combat event. To support NORTHCOM's efforts while integrating the Pilot's advancements into this overarching medical surge plan three staff members were hired to integrate the Pilot's expertise and advancement into this overarching medical surge plan.



Site Partner Projects: Local Innovations

A final Year-1 activity was the announcement of almost \$5 million in Request for Proposals (RPP) grants to support operational research efforts by civilian NDMS partners in each of the five Pilot sites. The grant awardees will have 12 months to complete their projects. The Pilot announced almost \$5 million in Request for Proposals (RPP) grants to support operational research efforts by civilian NDMS partners in each of the five Pilot sites. Nearly two dozen proposals were received and reviewed by an interagency review panel composed of DoD, HHS/ASPR and VA staff. Grants will be awarded in 2023.

Site Partner Projects: Local Innovations

Site Partner Projects: Medical Surge Focus Areas



Staffing



EMS Capacity



Regional Patient Regulation



State Integration



Training & Education



Economic Modeling



Post-Acute Care

Looking Forward—2023 Priorities

Science

To lead the charge in disaster science, NCDMPH will:

- Pursue grant opportunities to further conduct research and develop tools for disaster science and education as well as related public health efforts
- Develop a Pilot scientific strategy
- Grow the team and focus on surge capacity and health care capacity modeling

Education

To continue offering our partners high-impact disaster education resources, NCDMPH will:

- Evaluate the current disaster medicine and public health core competency sets and form a Working Group of subject matter experts with unique and insightful experiences to focus on the strengths, weaknesses, and opportunities of the current disaster core competencies
- Continue to participate in the Stop the Bleed Education Consortium and promote FAST implementation in schools across the United States
- Identify and host Disaster Science Student Rotation and Visiting Scholars to provide opportunities to collaborate and engage with recent graduates and practicing professionals

Operations - Health Care Preparedness

To increase the United States' health care system preparedness and response, NCDMPH will:

- Work with Field Implementation Teams to implement Phase III of the Pilot, making system-wide changes to create best health care preparedness practices for the nation
- Plan for Pilot expansion in other NDMS locations
- Provide almost \$5 million in research grants to seed health care preparedness activities
- Conduct a disaster health care information system analysis and an NDMS incentives analysis
- Support US Northern Command's (USNORTHCOM) development of the Integrated CONUS Operations Plan (ICMOP)



2022 Digital Highlights



Disaster Health Core curriculum:
more than **8,000** page views.



Stop the Bleed:
2.7K App downloads



Stop the Bleed:
23,500 website views



Stop the Bleed:
158,741 YouTube video views



More than **3,200** Twitter followers,
500+ LinkedIn connections,
733 Facebook followers,
792 YouTube subscribers

For more information about NCDMPH, visit -
ncdmp.hus.edu, follow on social media, or subscribe to Listserv:
Twitter, Facebook, LinkedIn, Listserv or YouTube



[Twitter.com/ncdmp](https://twitter.com/ncdmp)



linkedin.com/in/ncdmp/



facebook.com/NCDMPH1

Visiting Scholars

Rita Burke, Ph.D., M.P.H. is an Assistant Professor of Research Surgery and Preventive Medicine at the Keck School of Medicine at the University of Southern California and the Division of Pediatric Surgery at Children's Hospital Los Angeles. Dr. Burke's research focuses on pediatric disaster preparedness and injury prevention. Her work includes evaluating gaps and identifying barriers in health and school systems to meet the needs of children, particularly those with access and functional needs, in a disaster. She is also the co-chair of the Los Angeles Children in Disasters Working Group and member of the Scientific Advisory Council for the American Red Cross.



Matthew Levy, D.O., M.Sc. is an Associate Professor of Emergency Medicine at the Johns Hopkins University School of Medicine with leadership roles with the Johns Hopkins Emergency Medicine's Division of Special Operations, as well as the Johns Hopkins EMS Fellowship, and the Johns Hopkins Center for Law Enforcement Medicine. Dr. Levy is also a Clinical Associate Professor and the Medical Director of the UMBC Department of Emergency Health Services. Dr. Levy brings to NCDMPH his experiences with multiple local, state, federal and international elements related to emergency medical, tactical and disaster medicine.



Partners

Interagency collaboration is a foundational aspect of the NCDMPH mission. The following depicts a snapshot of NCDMPH's partners.

INTERNAL - USU

- ▶ Department of Military and Emergency Medicine
- ▶ Department of Preventive Medicine and Biostatistics
- ▶ Center for Health Professions Education
- ▶ Center for Human and Military Performance
- ▶ Center for the Study of Traumatic Stress
- ▶ Leadership Education and Development Program

EXTERNAL

Federal government

- ▶ Department of Defense
 - Office of the Assistant Secretary of Defense for Health Affairs
 - Office of the Assistant Secretary of Defense for Homeland Defense and Global Security
 - Defense Health Agency
 - Services: Army, Navy, and Air Force Offices of the Surgeons General
 - National Guard Bureau
 - USNORTHCOM
 - USTRANSCOM
- ▶ Department of Health and Human Services
 - Administration for Strategic Preparedness and Response
 - National Library of Medicine
- ▶ Veterans Administration
 - ▶ Office of Emergency Management Veterans Health Administration
 - Veterans Emergency Management Evaluation Center
 - Veterans Health Administration
 - Office of Employee Education
 - VA Office of Emergency Management
- ▶ DHS
 - Office of Health Security
 - Office of Science and Technology
- ▶ Department of Transportation
 - National Highway Traffic Safety Administration
- ▶ Department of Commerce
 - National Institute of Standards and Technology

Academic institutions

- ▶ Arizona State University Public Health Law and Policy Program
- ▶ Aultman College, Survival Behaviors Lab
- ▶ Brigham and Women's Hospital, Department of Emergency Medicine
- ▶ Cedars Sinai Medical Center
- ▶ Children's National Hospital

- ▶ Columbia University, National Center for Disaster Preparedness
- ▶ George Washington University, Department of Emergency Medicine
- ▶ Johns Hopkins School of Public Health, Center for Humanitarian Health
- ▶ Johns Hopkins Applied Physics Laboratory
- ▶ Linköping University
- ▶ Mayo Clinic
- ▶ National Center for Trauma and Emergency Medicine Research, Gertner Institute for Epidemiology & Health Policy Research
- ▶ University of Colorado, Natural Hazards Center
- ▶ University of Delaware, Disaster Research Center
- ▶ University of Nebraska Medical Center
- ▶ University of Virginia, Department of Emergency Medicine
- ▶ University of Southern California, Keck School of Medicine

Professional associations

- ▶ American Academy of Pediatrics
- ▶ American College of Emergency Physicians
- ▶ American College of Surgeons
- ▶ American Public Health Association
- ▶ Association of State and Territorial Health Officials
- ▶ HOSA: Future Health Professionals
- ▶ National Association of County and City Health Officials

Other partners

- ▶ American Red Cross
- ▶ Center for Disaster Philanthropy
- ▶ Henry M. Jackson Foundation for the Advancement of Military Medicine
- ▶ InnoVital Systems, Inc.
- ▶ The Mayo Clinic Kern Center for the Science of Health Care Delivery
- ▶ National Academies of Sciences, Engineering, and Medicine
- ▶ Trust for America's Health
- ▶ South Texas Regional Advisory Council

NCDMPH Team

Federal Leadership

Thomas Kirsch, M.D., M.P.H., FACEP, Professor and Director



Email: thomas.kirsch@usuhs.edu

Dr. Kirsch leads NCDMPH's strategic, collaborative, preparedness and research efforts. He is a globally-recognized disaster and austere medicine expert with over 30 years of domestic and global disaster health and public health response, research and education experience.

Christopher Brown, Chief of Staff



Email: christopher.brown@usuhs.edu

Mr. Brown oversees the daily operations of NCDMPH while strategically expanding its research, educational and technical advisory support to federal partners. He is a retired US Navy Captain with 28 years of service including several tours and deployments.

Craig Goolsby, M.D., M.Ed., FACEP, Science Director*



Dr. Goolsby leads the research portfolio including Stop The Bleed, positioning NCDMPH as a leader in the field. He is an Air Force combat veteran with extensive experience in battlefield medicine, field training, and medical education.

Captain Eric Deussing, M.D., M.P.H., FACPM, MC, US Navy, Pilot Director



Email: eric.deussing@usuhs.edu

CAPT Deussing leads the Pilot Program, guiding the team's collaborative work with federal partner agencies and private sector health care stakeholders. He has over 20 years of health care leadership experience, overseeing enterprise-wide programs in emergency preparedness and public health response.

Commander Mike Klemann, MSC, US Navy, Pilot Principal Deputy Director



Email: michael.klemann@usuhs.edu

CDR Klemann is the Principal Deputy Director for the Pilot Program. He has served in strategic, operational, and joint roles, developing and overseeing integrated global response capabilities, as well as medical operations at the Navy Medicine Headquarters.

Staff

Henry M. Jackson Foundation Employees

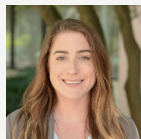
Adeteju Adeniji, M.P.H., Research Coordinator



Email: adeteju.adeniji.ctr@usuhs.edu

Ms. Adeniji provides administrative support and aids in scoping and fulfilling research activities for the Pilot Program. She brings an abundance of state-level public health emergency preparedness experience to her role.

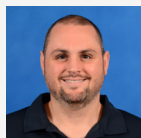
Audrey Berard, M.B.A., Senior Program Manager



Email: audrey.berard.ctr@usuhs.edu

Ms. Berard provides administrative project oversight to maximize the effective use of program resources. She is responsible for budgeting/accounting, space management, personnel management, contracts and purchasing. She also participates in research and educational programmatic activities.

Graham Button, M.A., M.Ed., Program Manager



Email: graham.button.ctr@usuhs.org

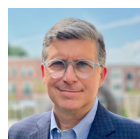
Mr. Button is the Program Manager for the Pilot Program. He has a varied background including teaching, training, Peace Corps EMT and more.

Nicole Dacuyan, M.P.H., Project Manager*



Mrs. Dacuyan supports activities to develop a research-informed novel hemorrhage control device. She came from the Center for the Study of Traumatic Stress, where she worked in research focused on military mental health.

Jonathan Freed, Chief Strategic Communications Officer*



Mr. Freed leads strategic communications for NCDMPH. He has served as a communications executive, trusted adviser, and national spokesperson at Fortune 30 - 250 companies, including insurance, airlines, banking and utilities.

Kimberly Gill, M.A., Ph.D., Senior Research Scientist III*



Dr. Gill is Senior Research Scientist on the Pilot Program tasked to implement and coordinate quantitative, qualitative, and mixed methods research. She is a sociologist with 20 years of research, evaluation, teaching and applied experience.

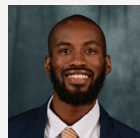
David Green, Ed.D., Education Director



Email: david.green.ctr@usuhs.edu

Dr. Green guides the education team by championing innovation during curricular design, development, and evaluation. He partners with external stakeholders to provide thought partnership and strategic thinking while crafting novel educational experiences based on the science of learning principles.

Aaron Hinton, Executive Assistant



Email: aaron.hinton.ctr@usuhs.edu

Mr. Hinton provides programmatic and administrative support to NCDMPH leaders and other senior technical and professional staff.

Staff

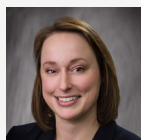
Henry M. Jackson Foundation Employees

Daphne Hurlock, M.A., Strategic Planning Specialist



Email: daphne.hurlock.ctr@usuhs.edu
As a Strategic Planning Specialist with the Pilot Program, Ms. Hurlock provides analysis, evaluation, and recommendations for improvement on various projects, as well as develops plans and specifies measurable outcomes in a strategic planning process.

Michelle Kimball, M.S., CEM, Deputy Director Program Operations



Email: michelle.kimball.ctr@usuhs.edu
Ms. Kimball oversees operations of the Pilot Program, including all partners and collaborators in the military, federal and civilian sectors. She has years of experience in civilian health care emergency preparedness, international disaster response, and public health emergency preparedness.

Victoria Klimczak, Program Manager*



Ms. Klimczak is responsible for budgeting/accounting, project personnel management and contracts. She contributes to numerous projects, including Crisis Symposium and Stop the Bleed Initiative.

Clark Lee, J.D., M.P.H., CPH, Research Associate III



Email: clark.lee.ctr@usuhs.edu
Mr. Lee is the lead Research Associate for the Pilot Program. He brings over 15 years of experience as a public health and safety researcher and over 12 years of experience as a public health emergency planner and preparedness consultant.

Venancio Maysonet, M.B.A., Strategic Planning Specialist



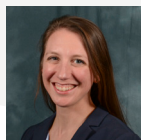
Email: venancio.maysonet.ctr@usuhs.edu
Mr. Maysonet provides support, analysis, evaluation and recommendations for improvement on various projects in the Pilot Program. He also develops outcomes to meet and measure success in strategic planning objectives. He is a former Navy health care administrator and patient administrator.

Monica Mosby, B.S., Program Coordinator



Email: monica.mosby.ctr@usuhs.edu
Ms. Mosby provides program coordination and support to operations. She supports the Project Manager with various tasks related to the implementation of the Pilot Program and operational planning. She has experience in community coordination, working to identify resources for individuals in her community.

Alison Ng, M.S., Program Evaluator III



Email: alison.ng.ctr@usuhs.edu
Ms. Ng focuses on the evaluation activities of the Pilot Program and other NCDMPH projects. She has experience evaluating a wide variety of programs, including those related to public health and academics.

Gabriela Paszt, Senior Outreach Coordinator*



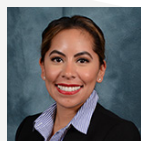
Mrs. Paszt develops and coordinates outreach strategies and events and fosters collaborative and strategic partnerships for the Pilot Program. She brings direct patient care and state-level public health program coordination experience to her role and six years of Army National Guard experience.

Emily Post, Ph.D., Research Associate III



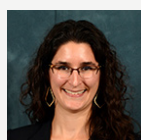
Email: emily.post.ctr@usuhs.edu
Dr. Post's research primarily focuses on the study of how humans socially adapt to environmental hazards, with her most recent fieldwork taking place in Dominica amongst communities who survived Hurricane Maria. She has experience designing and conducting mixed-methods research projects.

Norma Quintanilla, M.S., Study Coordinator II



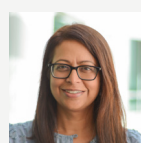
Email: norma.quintanilla.ctr@usuhs.edu
Ms. Quintanilla supports various efforts focused on disaster research and stakeholder engagements. Additionally, she organizes, plans, and executes projects related to knowledge and learning in disaster health. She remains the center's liaison for the Disaster Health Core Curriculum.

Raphaelle Rodzik, M.P.H., Project Coordinator*



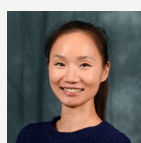
Ms. Rodzik supports NCDMPH's health and public health research efforts focused on the School Age Trauma Training (FASTTM) project.

Reena Sethi, Dr.P.H., M.H.S., Senior Lead Researcher



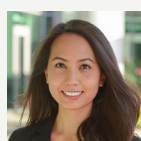
Email: reena.sethi.ctr@usuhs.edu
Dr. Sethi leads all NCDMPH research activities focusing on the Pilot Program. She has an extensive history in health care, including leading and supporting public health monitoring, evaluation, and research activities in nearly 30 countries.

Keke Schuler, Ph.D., Research Manager*



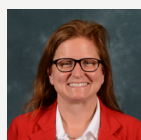
Dr. Schuler's research is multidisciplinary and employs advanced quantitative modeling approaches to study public health questions.

Allyson Sison, M.A., Special Project Administrator II



Email: allyson.sison.ctr@usuhs.edu
Ms. Sison provides a wide range of administrative duties and programmatic support for the Pilot Program. She brings local-level public health emergency preparedness experience with program coordination and response to her role.

Kimberly Stoudt Ed.D., LAT, ATC, EMT Instructional Design and Assessment Specialist



Email: kimberly.stoudt.ctr@usuhs.edu
Dr. Stoudt is a nationally certified athletic trainer and emergency medical technician with tactical training for austere environments. Dr. Stoudt lectures at the USUHS School of Medicine. She assisted in the development of First Aid for Severe Trauma (FASTTM).

*Denotes individuals who left NCDMPH in 2022 to pursue new opportunities.

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