

The Action Collaborative on Disaster Research: Symposium on Disaster Data Science

Agenda

Tuesday, April 2, 2024, 11:00 a.m. - 4:00 p.m. ET (Virtual)

Symposium Overview and Objectives

Under the auspices of the [Forum on Medical and Public Health Preparedness for Disasters and Emergencies](#) at the National Academies of Sciences, Engineering, and Medicine, the [Action Collaborative on Disaster Research](#) (Action Collaborative) is pleased to host the [Symposium on Disaster Data Science](#). This symposium aims to convene federal and non-federal stakeholders, and subject matter experts, to scope perspectives and share information related to the state of U.S. disaster data science. Drawing from several use cases, symposium participants will:

1. Discuss prevailing disaster science questions which seek to be answered using existent disaster and auxiliary data sources.
2. Share federally and non-federally supported disaster and auxiliary data sources which can be leveraged for collaboration and scientific inquiry.
3. Examine opportunities to increase access and utilization of disaster and auxiliary data sources and streamline interoperability and integration of data for science and improved understanding.

Resources and Materials (available in the [Meeting Materials](#) section on the symposium webpage)

- Speaker Bios and Symposium Planning Group
- Symposium Resource Guide

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WELCOME AND OPENING

11:00 AM

Welcome and Overview

Cinnamon Dixon, *Symposium Co-Chair*

Medical Officer

Pediatric Trauma and Critical Illness Branch

Eunice Kennedy Shriver National Institute of Child Health and Human Development

National Institutes of Health

Roberta Lavin, *Symposium Co-Chair*

Professor and Deputy Director

Center for Health Equity and Preparedness

University of New Mexico

11:05 AM

Opening Remarks

Richard Woychik

Director

National Toxicology Program

National Institute of Environmental Health Sciences

National Institutes of Health

SESSION I SETTING THE STAGE FOR DISASTER DATA SCIENCE

Roberta Lavin, *Symposium Co-Chair and Session Moderator*
Professor and Deputy Director
Center for Health Equity and Preparedness
University of New Mexico

11:15 AM Advancing Disaster Data Science

Leremy Colf
Associate Professor
Fran and Earl Ziegler College of Nursing
University of Oklahoma Health Sciences

Tony McAleavy
Assistant Professor
Division of Engineering Technology
Oklahoma State University

11:25 AM Strategies for Using Diverse Data Sources for Disaster Science

Rebecca Rosen
Director
Office of Data Science and Sharing
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institutes of Health

Discussion and Q&A

SESSION II USE CASES IN COMMUNITY SETTINGS

Natalie N. Grant, *Session Moderator*
Director
Office of Human Services Emergency Preparedness and Response
Administration for Children and Families

11:45 PM Use Case #1 - emPOWERing Communities to Protect Electricity and Health Care Dependent At-Risk Individuals in Disasters

Kristen Finne
Director, HHS emPOWER Program and Senior Program Analyst
Office of Information Management, Data and, Analytics
Administration for Strategic Preparedness and Response

Discussion and Q&A

12:15 PM

Use Case #2 - Head Start Environmental Exposure Mapping Tool and Resource Library

Pamela Winston

Senior Social Science Analyst
Office of Human Services Policy
Office of the Assistant Secretary for Planning and Evaluation
U.S. Department of Health and Human Services

Jesse Escobar

Data Analyst
Office of Head Start
Administration for Children and Families

Anne Junod

Senior Research Associate
Climate & Communities Practice Area
Urban Institute

Maretta McDonald

Social Science Analyst
Office of the Assistant Secretary for Planning and Evaluation

Discussion and Q&A

SESSION III

PERSPECTIVES FROM AN ACADEMIC DISASTER RESEARCH ENTERPRISE

Cinnamon Dixon, Symposium Co-Chair and Session Moderator

Medical Officer
Pediatric Trauma and Critical Illness Branch
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institutes of Health

12:45 PM

Understanding Diverse Disciplinary Needs and Incentivizing Data Publication and Reuse

Lori Peek

Director and Professor
Natural Hazards Center
Department of Sociology
University of Colorado Boulder

Discussion and Q&A

1:15 PM

Break

SESSION IV USE CASES IN HEALTH SYSTEM SETTINGS

Christopher Newton, *Session Moderator*

Medical Director

Trauma Care Center and Pediatric Surgery Department

UCSF Benioff Children's Hospital Oakland

1:30 PM

Use Case #3 - Data Science and Lives Saved: The Story of Emergency Department Pediatric Readiness

Craig Newgard

Professor of Emergency Medicine

Oregon Health & Science University

Discussion and Q&A

2:00 PM

Use Case #4 - Healthcare Utilization and Dissemination in Surge Contexts: Pediatric Challenges and Adaptions During the Tripledemic

Mary King

Medical Director

Pediatric Trauma Intensive Care Unit

Harborview Medical Center

Steve Mitchell

Medical Director

Washington Medical Coordination Center

Associate Professor

Department of Emergency Medicine

University of Washington

Discussion and Q&A

2:30 PM

Case #5 - Linking Climate, Environmental Exposure, and Health Data: Case Study and Data Ecosystem Development

Aubrey Miller

Senior Medical Advisor

Office of the Director

National Institute of Environmental Health Sciences

National Institutes of Health

Ann Liu

Scientific Program Manager (contractor)

Office of Scientific Coordination, Planning, and Evaluation

National Institute of Environmental Health Sciences

National Institutes of Health

Discussion and Q&A

SESSION V

FEDERAL PARTNERS DISASTER DATA SCIENCE UPDATES

3:00 PM

Cinnamon Dixon, *Symposium Co-Chair and Session Moderator*
Medical Officer
Pediatric Trauma and Critical Illness Branch
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institutes of Health (NICHD)

Adrianna Steele
Data Enablement Branch Chief
Enterprise Analytics Division
Office of Policy and Program Analysis
Federal Emergency Management Agency

Casey Zuzak
Senior Risk Analyst
Natural Hazards Risk Assessment Program
Risk Management Directorate, Resilience
Federal Emergency Management Agency

Gina Eosco
Chief
Science, Technology, and Society Division
Weather Program Office
National Oceanic and Atmospheric Administration

Jeremiah Kinsman
Emergency Medical Services Specialist
Office of Emergency Medical Services
National Highway Traffic Safety Administration
Department of Transportation

Stephen Soroka
Branch Chief (Acting), Response Analytics, Decision Support, and Surveillance
Office of Readiness and Response
Division of Readiness and Response Sciences
Centers for Disease Control and Prevention

Jane Yang
Senior Advisor for Data Analytics
Administration for Children and Families

CLOSING REMARKS

3:55 PM

Chairs' Reflections

Roberta Lavin, *Symposium Co-Chair*
Professor and Deputy Director
Center for Health Equity and Preparedness
University of New Mexico

Cinnamon Dixon, *Symposium Co-Chair*

Medical Officer

Pediatric Trauma and Critical Illness Branch

Eunice Kennedy Shriver National Institute of Child Health and Human Development

National Institutes of Health (NICHD)

End Symposium
