

The Action Collaborative on Disaster Research *Symposium on Pediatric Disaster Science*

AGENDA

August 1, 2022, 8:00 A.M. - 4:30 P.M. ET

August 2, 2022, 8:00 A.M. – 3:15 P.M. ET

Purpose:

To convene broad representation of federal and non-federal stakeholders, and subject matter experts, to scope perspectives, experiences, information, and scientific needs related to disasters affecting child populations. Meeting outcomes will result in high-level prioritization of pediatric disaster science foci; opportunities for alignment and synergy of scientific efforts to collective and effectively advance pediatric disaster science; and set the stage for capacity building around evidence-based practices and scientific discovery to improve outcomes of children.

[For the purposes of this meeting, *pediatric* refers to population of infants, children, and adolescents, aged 0-21 years¹ of all sociodemographic backgrounds; physical and intellectual abilities; access, functional and healthcare needs; and linguistic preferences.]

“...we owe it to the youngest members of our communities to learn from each event, to fill in our critical knowledge gaps, and to do so through ethically sound research during public health emergencies.”

- 2016 Pediatrics Perspectives “Planning for Research On Children During Public Health Emergencies”



MONDAY, AUGUST 1, 2022
Identifying the Pediatric Disaster Science Domains and Approaches

SESSION I: **Welcoming Remarks and Reflection**

8:00 A.M. Welcome and Agenda Overview (10 minutes)

Cinnamon Dixon, 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*

Richard Kwok, Co-Chair

*Program Director, Office of Scientific Coordination, Planning, and Evaluation
National Institute of Environmental Health Sciences, National
Institutes of Health*

8:10 A.M. Opening Remarks (15-20 minutes)

Steven Krug

*Chairperson, Council on Children and Disasters
American Academy of Pediatrics
Professor of Pediatrics, Division of Emergency Medicine
Lurie Children's Hospital of Chicago*

Rohan Hazra

*Director, Division of Extramural Research
Eunice Kennedy Shriver National Institute of Child Health
and Human Development, National Institutes of Health*

Sara Kinsman

*Director, Division of Child, Adolescent, and Family Health
Health Resources and Services Administration*

SESSION II: **Setting the Stage for Disaster Science**

*Moderator: **Michael Anderson**, Senior Advisor, Assistant Secretary for
Preparedness and Response*

8:30 A.M. Why Pediatric Disaster Research Overview (20 minutes)

Debra Weiner

*Attending Physician Emergency Medicine, Boston Children's Hospital
Director, Pediatric Disaster Beth Israel Deaconess Medical Center Disaster
Fellowship
Assistant Professor Pediatrics, Harvard Medical School*

Jeffrey Upperman
Professor and Chair, Department of Pediatric Surgery
Surgeon-in-Chief, Monroe Carell Jr. Children's Hospital
Vanderbilt University Medical Center

Karen Koski-Miller
Lead, Disaster Mental Health
National Headquarters
American Red Cross

Q & A (10 minutes)

9:00 A.M. Pediatric Disaster Research Over the Ages (pre-recorded) (15 minutes)

Lori Peek (virtual)
Professor and Director, Natural Hazards Center
Institute of Behavioral Science
University of Colorado-Boulder

David Abramson (pre-recorded)
Director, Population Impact, Recovery and Resilience (PiR2)
Clinical Associate Professor, Social and Behavioral Sciences
School of Global Public Health
New York University

Current Gaps and Opportunities in Pediatric Disaster Science (15 minutes)

Cullen Clark (virtual)
Director of Disaster Preparedness, Division of Emergency Medicine
Nationwide Children's Hospital
The Ohio State University College of Medicine

David Schonfeld
Chair, National Advisory Committee on Children and Disasters
Director, National Center for School Crisis and Bereavement
Children's Hospital Los Angeles
Professor of Clinical Pediatrics, USC Keck School of Medicine

Q & A (10 minutes)

9:40 A.M. Session II Discussion (15 minutes)

9:55 A.M. Break (10 minutes)

SESSION III: Prioritizing Research Throughout Disaster Management Cycles for Children in Disasters

Emergency Planning, Preparedness, and Response

*Moderator: **Jeremy Brown**, Director, Office of Emergency Care Research, National Institutes of Health*

10:05 A.M.

Emergency Planning Research to Equitably Identify and Prepare for Hazards
(15 minutes)

Andrew Garrett

*Section Chief, Emergency Health Operations
Associate Professor, George Washington University School of Medicine
and Health Sciences*

Natalie Grant (virtual)

*Director, Office of Human Services Emergency Preparedness and Response
Administration for Children and Families*

Trauma and Medical Preparedness and Response Science for Better Physical
Outcomes (15 minutes)

Craig Newgard (virtual)

*Professor and Director for the Center for Policy and Research
Emergency Medicine
Oregon Health & Science University*

Steve Krug

*Chairperson, Council on Children and Disasters
American Academy of Pediatrics
Professor of Pediatrics, Division of Emergency Medicine
Lurie Children's Hospital of Chicago*

Q & A (15 minutes)

Reunification, Recovery, and Resilience

*Moderator: **Rosalind King**, Associate Director for Prevention, Eunice Kennedy Shriver
National Institute of Child Health and Human Development, National Institutes of Health*

10:50 A.M.

Optimizing Reunification Science to Prevent Lost Children (15 minutes)

Sarita Chung

*Director of Disaster Preparedness, Division of Emergency Medicine
Boston Children's Hospital
Harvard Medical School*

Elizabeth Barnert

Associate Professor of Pediatrics
David Geffen School of Medicine
University of California Los Angeles

Behavioral Interventions and Mental Health Research with Life Course Lens
(15 minutes)

David Schonfeld

Chair, National Advisory Committee on Children and Disasters
Director, National Center for School Crisis and Bereavement
Children's Hospital Los Angeles
Professor of Clinical Pediatrics, USC Keck School of Medicine

Melinda Baldwin

Chief, Child, Adolescent, and Family Branch
Center for Mental Health Services
Substance Abuse and Mental Health Services Administration

Short and Long-Term Recovery Science and Resilience Building for Stronger Communities (15 minutes)

Jonathan White

Director of Community Mitigation and Recovery
Office of the Assistant Secretary for Preparedness and Response
U.S. Department of Health and Human Services

Ann Masten (virtual)

Regents Professor
Institute of Child Development
University of Minnesota

Q & A (20 minutes)

11:55 A.M.

Session III Discussion (25 minutes)

12:20 P.M.

Lunch and Open Sharing of Resources (60 minutes)

SESSION IV:

Fostering the Full Spectrum of Translational Research in Pediatric Disaster Management Plans and Activities

Type 1 Translational Research – From Basic Science to Clinical Effectiveness

Moderator: Robert Tamburro, Senior Advisor for Clinical Research, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health

1:20 P.M.

Cultivating Discovery Through Basic, Epidemiologic, and Exposomic Science
(15 minutes)

Robert Wright (virtual)

Professor and System Chair
Environmental Medicine and Public Health
Co-Director; Institute for Exposomic Research
Icahn School of Medicine at Mount Sinai

Yvonne [Bonnie] Maldonado

Senior Associate Dean for Faculty Development
Diversity Taube Endowed Professor of Global Health and Infectious
Diseases, Professor; Pediatrics and Epidemiology and Population Health
Stanford University School of Medicine

Trials and Mechanistic Science to Increase the Rigor of Pediatric Disaster
Research (20 minutes)

Nathan Kuppermann

Distinguished Professor and Chair
Bo Tomas Brofeldt Endowed Chair
Emergency Medicine
University of California, Davis School of Medicine

Christopher Horvat

Assistant Professor, Pediatric Critical Care Medicine
Director of Clinical Informatics, Department of Critical Care Medicine
University of Pittsburgh

Perdita Taylor-Zapata

Program Officer, Obstetric and Pediatric Pharmacology and
Therapeutics Branch
Eunice Kennedy Shriver National Institute of Child Health and Human
Development, National Institutes of Health

Q & A (15 minutes)

Type 2 Translational Research – From Practice to Communities

*Moderator: Lorah Ludwig, Lead Public Health Analyst, Division of Child, Adolescent,
and Family Health; Health Resources and Services Administration*

2:10 P.M.

Dissemination and Implementation, and Community-Engaged Research, to Broaden
Reach and Impact of Evidence-Based Interventions (15 minutes)

Joelle Simpson

Division Chief, Emergency Medicine
Medical Director, Emergency Preparedness
Children's National

Betty Lai

Associate Professor

Department of Counseling, Developmental and Educational Psychology
Boston College

Improvement, Systems and Applied Sciences for Comprehensive Pediatric Disaster
Management Activities and Regulations (20 minutes)

Charles Macias

Chief Quality Officer/Vice Chair Quality

Division Chief, Pediatric Emergency Medicine

University Hospitals Rainbow Babies and Children's Hospital

Jeffrey Schlegelmilch

Director, National Center for Disaster Preparedness

Columbia Climate School, Columbia University

Debbie Malone

Program Coordinator, Child Care Aware Northwest Arkansas

Q & A (25 minutes)

3:10 P.M.

Session IV Discussion (25 minutes)

3:35 P.M.

Break (10 minutes)

SESSION V:

Day One Recap and Prioritization Activities

Moderators:

Michael Anderson, *Senior Advisor, Assistant Secretary for Preparedness and Response*

Sara Kinsman, *Director, Division of Child, Adolescent, and Family Health; Health Resources and Services Administration*

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

3:45 P.M.

Facilitated Discussion of Day One and Prioritization Exercises (45 minutes)

4:30 P.M.

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END OF DAY 1

TUESDAY, AUGUST 2, 2022
Building the Pediatric Disaster Science Enterprise

SESSION VI: **Welcome Remarks**

8:00 A.M.

Welcome and Agenda; Day One Reflections (10 minutes)

Cinnamon Dixon, 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*

Richard Kwok, Co-Chair

*Program Director, Office of Scientific Coordination, Planning, and Evaluation
National Institute of Environmental Health Sciences, National
Institutes of Health*

8:10 A.M.

Opening Remarks (15 minutes)

Karen Remley

*Director, National Center of Birth Defects and Developmental Disabilities
Centers for Disease Control and Prevention*

Meg Sullivan

*Chief Medical Officer
Office of the Assistant Secretary for Preparedness and Response*

Valerie Maholmes (virtual)

*Chief, Pediatric Trauma and Critical Illness Branch
Eunice Kennedy Shriver National Institute of Child Health and Human
Development, National Institutes of Health*

SESSION VII: **Preparing the Foundation to Conduct Pediatric Disaster Research**

*Moderator: **Karen Remley**, Director, National Center of Birth Defects and Developmental
Disabilities, Centers for Disease Control and Prevention*

8:25 A.M.

Developing Pediatric-Specific Disaster Science Protocols and Appropriate Instruments,
and Incorporating Common Data Elements (30 minutes)

Robert Tamburro

*Senior Advisor for Clinical Research, Eunice Kennedy Shriver National Institute
of Child Health and Human Development, National Institutes of Health*

Erika Felix

Professor

Department of Counseling, Clinical, & School Psychology

University of California, Santa Barbara

Richard Kwok

Program Director, Office of Scientific Coordination, Planning, and Evaluation

National Institute of Environmental Health Sciences, National Institutes of Health

Shan Ward (virtual)

Assistant Professor of Pediatrics

University of California, San Francisco

Human Subjects Protections and Rapid Review Considerations in Disaster Science (20 minutes)

Bruce Gordon

Assistant Vice-Chancellor for Regulatory Affairs

Executive Chairman, Institutional Review Boards

Professor, Pediatrics Hematology/Oncology

University of Nebraska Medical Center

Megan Singleton

Associate Dean, Human Research Protections

Director, Human Research Protections Program

Johns Hopkins University School of Medicine

Calvin Keene

Pastor, Memorial Baptist Church, Baltimore

*Member, Johns Hopkins Medicine IRB Committee # 5 and Emergency
Response IRB*

Q & A (20 minutes)

9:35 A.M.

Session VII Discussion (20 minutes)

9:55 A.M.

Break (10 minutes)

SESSION VIII:

Developing and Maintaining a Registry of Networks and Scientists

*Moderator: **Robert Tamburro**, Senior Advisor for Clinical Research, National
Institute of Child Health and Human Development, National Institutes of Health*

10:05 A.M.

*Leveraging Centers, Networks, and Consortia to Deploy and Implement Disaster
Science Studies (30 minutes)*

Sara Kinsman

*Director, Division of Child, Adolescent, and Family Health
Health Resources and Services Administration*

Nathan Kuppermann

*Distinguished Professor and Chair
Bo Tomas Brofeldt Endowed Chair
Emergency Medicine
University of California, Davis School of Medicine*

Lori Peek (virtual)

*Professor and Director, Natural Hazards Center
Institute of Behavioral Science
University of Colorado-Boulder*

Kenneth Mandl (virtual)

*Director, Computational Health Informatics Program (CHIP)
Donald A.B. Lindberg Professor of Pediatrics and Professor
Biomedical Informatics
Harvard Medical School*

Building a Pipeline of, and the Capacity for, Pediatric Disaster Scientists (15 minutes)

Craig Newgard (virtual)

*Professor and Director for the Center for Policy and Research
Emergency Medicine
Oregon Health & Science University*

Betty Lai

*Associate Professor
Department of Counseling, Developmental and Educational Psychology
Boston College*

Q & A (20 minutes)

11:10 A.M.

Session VIII Discussion (15 minutes)

SESSION IX:

Leveraging Big Data for Pediatric Populations

*Moderator: **Meg Sullivan**, Chief Medical Officer, Assistant Secretary for
Preparedness and Response*

11:25 A.M.

Real-time Data Sharing, Technology, and Mathematical Modeling (15 minutes)

Christopher Horvat

*Assistant Professor, Pediatric Critical Care Medicine
Director of Clinical Informatics, Department of Critical Care Medicine
University of Pittsburgh*

Kenneth Mandl (virtual)
Director, Computational Health Informatics Program (CHIP)
Donald A.B. Lindberg Professor of Pediatrics and Professor
Biomedical Informatics
Harvard Medical School

Data Harmonization and Interoperability of Existing Data Repositories (20 minutes)

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

Adam Resnick
Co-Executive Director, Center for Data Driven Discovery in
Biomedicine (D3b)
Children's Hospital of Philadelphia

Leremy Colf (virtual or pre-recorded)
Donna L. Wong Professorship of Pediatric Nursing
Senior Advisor and Research Liaison, Health Informatics
University of Oklahoma Health Sciences Center

Q & A (15 minutes)

12:15 P.M. Session IX Discussion (15 minutes)

12:30 P.M. Lunch and Open Sharing of Resources (45 minutes)

SESSION X: **Funding Streams and Regulations to Help Bridge Scientific Gaps**

*Moderator: **Richard Kwok**, Program Director, Office of Scientific Coordination, Planning, and Evaluation, National Institute of Environmental Health Sciences, National Institutes of Health*

1:15 P.M. Funding Streams to Expedite Pediatric Disaster Research Science (20 minutes)

Jacqueline Meszaros
Science and Technology Advisor for Natural Hazards, Disasters, and Resilience
Division of Civil, Mechanical, and Manufacturing Innovation
National Science Foundation

Diana Rutberg
Chief Grants Management Officer, Grants Management Branch
Division of Extramural Activities
National Institute of Dental and Craniofacial Research, National
Institutes of Health

Terrance Perry
Director, Office of Grants Services
Office of Financial Resources
Centers for Disease Control and Prevention

Understanding Pediatric Disaster Research with a Lens on Policy (15 minutes)

Jeffrey Schlegelmilch
Director, National Center for Disaster Preparedness
Columbia Climate School, Columbia University

Erika Felix
Professor
Department of Counseling, Clinical, & School Psychology
University of California, Santa Barbara

Q & A (15 minutes)

2:05 P.M.

Session IX Discussion (15 minutes)

SESSION XI:

Day Two Recap and Prioritization Activities

Moderators:

Cinnamon Dixon, *Medical Officer, Pediatric Trauma and Critical Illness Branch*
Eunice Kennedy Shriver National Institute of Child Health, National Institutes of Health

Karen Remley, *Director, National Center of Birth Defects and Developmental*
Disabilities, Centers for Disease Control and Prevention

Debra Weiner, *Attending Physician Emergency Medicine, Boston Children's Hospital*
Director Pediatric Disaster Beth Israel Deaconess Medical Center Disaster Fellowship
Assistant Professor Pediatrics, Harvard Medical School

2:20 P.M.

Facilitated Discussion and Prioritization Exercises (45 min)

3:05 P.M.

CLOSING REMARKS (10 min)

Richard Kwok, Co-Chair
Program Director, Office of Scientific Coordination, Planning, and Evaluation
National Institute of Environmental Health Sciences, National
Institutes of Health

Cinnamon Dixon, 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

END OF DAY 2

