

Fifth Biennial Scientific Symposium: Blueprint for Children's Health in the Built Environment

October 30 & 31, 2008
Barr Mansion • Austin, Texas



Photo Courtesy of David Shiflet, Architect

Offering 12.25 AMA PRA
Category 1 Credits™, including 2.25
hours of ethics and/or professional
responsibility education for physicians.

Child Care Professionals may claim 11
hours (1.1 CEUs) of training.

Architects may claim credit hours
through self-reporting to the AIA or
tracking credits on a CEPH log.

THE CHILDREN'S ENVIRONMENTAL HEALTH INSTITUTE

The Children's Environmental Health Institute (CEHI) is a non-profit organization committed to decreasing environmentally related childhood diseases primarily through initiatives that focus on children, prenatal to five years old. The Children's Environmental Health Institute seeks to support collaborative efforts in scientific research, environmental education, and public policy designed to identify, develop and promote practices that accurately assess and manage environmental health risks to children. Please join with us at the 2008 Symposium to engage in this important dialogue between private and public sectors to secure a better future for children.

TARGET AUDIENCE

The primary target audience includes: physicians and other health professionals; architects, engineers and others in the built industry; school boards, administrators, educators; city planners and faith communities; childcare administrators/staff and child advocates.

PURPOSE OF THE SYMPOSIUM

The Fifth Biennial Scientific Symposium and Policy Forum: Blueprint for Children's Health and the Built Environment addresses the environmental part of the continuing nature-nurture debate over the competing roles of genetic and environmental factors in the causation of childhood diseases. In most cases both factors play a role, but even as the science of genetics races ahead, it is increasingly evident that the environment is changing more rapidly than the gene pool and that more and more disease in children is the result of environmental factors and environment-gene interactions. Aside from issues of fuel efficiency and sustainability, the built environment is critical to maintaining health and preventing disease. Building materials, furnishings and ventilation systems affect concentrations of indoor pollutants and children spend most of their time indoors.

Environmental health exposures often start with fetal development and evidence continues to mount that environmental factors play an important role in childhood diseases. Proportional to body weight, children eat, breathe and drink more than adults and take in far higher concentrations of the toxins in our environment. Because environmental toxicants are ubiquitous in air, water, food and products, we have seen a global rise in environmentally related diseases. However, in terms of the extent of the effects of exposures, we are seeing only the tip of the iceberg, warns Dr. Martin Lorin, pediatrician and member of the Children's Environmental Health Institute Board of Directors.

Our understanding of how the environment impacts children's health is no longer limited to concern about chemicals, pollutants and toxicants. We now recognize that the built environment—buildings, neighborhoods and communities—also have a powerful influence on both health and disease. Nature-deficit disorder is the term coined by Richard Louv in his book *Last Child in the Woods*, referring to a wide range of behavioral problems that may be due, at least in part, to children spending less time outdoors in natural surroundings. In the past, children explored the outdoors and played in the woods, but children of the digital age have become increasingly separated from the natural world with implications for both their physical and mental health. The 2008 Symposium and Policy Forum will provide the latest evidence-based information needed to understand, recognize and prevent children's exposure to environmental toxicants in the environment where they live, learn and play.

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TIME & PLACE

The Symposium begins at 8:00 a.m., Thursday, October 30, and ends at 5:30 p.m. The Policy Forum begins at 8:00 a.m., Friday, October 31 and ends at 2:30 p.m. Both will take place at the Barr Mansion, located 5.8 miles from Habitat Suites. The street address for the Barr Mansion is 10463 Sprinkle Road, Austin, TX. To learn more about the Barr Mansion, go to www.barrmansion.com

ACCREDITATION

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Texas Medical Association and Children's Environmental Health Institute, Inc. Texas Medical Association is accredited by the ACCME to provide continuing medical education for physicians.

HOURLY DESIGNATION

Texas Medical Association designates this educational activity for a maximum of 12.25 **AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Texas Medical Association designates the following presentations in medical ethics and/or professional responsibility: National Children's Study (1 credit) and How Should Science Drive New Policy Regarding Known or Suspected Health Risks in Children's Products? (1.25 credits).

Architects may claim credit hours through self-reporting to the AIA or tracking credits on a CEPH log. Documentation of attendance/participation is required. For HSW credit, at least 75% of the presentation content must relate to a health, safety or welfare topic within the Architect Registration Examination (ARE).

Child Care Professionals may claim 11 hours (1.1 CEUs) of training.

REGISTRATION & HOUSING

The registration fee includes a continental breakfast, lunch and reception/buffet for the Symposium and a continental breakfast and lunch for the Policy Forum.

To register by mail, complete the form on the back of this brochure and mail it to P.O. Box 50342, Austin, TX 78763-0342. To register on-line, go to www.cehi.org. A block of rooms under the name Children's Environmental Health Institute is being held until September 29, 2008, at the Habitat Suites, located 5.8 miles from the Barr Mansion. The address is 500 East Highland Mall Blvd. Room prices are \$109 for a single room or \$139 for a two-bedroom suite. Call 1-800-535-4663 to reserve a room. ***In order to receive the discounted rate you must register by phone and use the group code "CEHI."***



To view the list of Symposium Speakers, complete with credentials and organizations, the list of the Children's Environmental Health Institute Board of Directors and the 2008 Symposium Advisory Committee, please go to cehi.org.

SYMPOSIUM AGENDA

<p>8:00 - 8:30 Registration & Continental Breakfast 8:30 - 9:00 Welcoming Remarks & Program Overview Fernando Guerra, MD, Director of Health, SAMHD; Chair, Children's Environmental Health Institute</p> <p>9:00 -10:00 Making the Connections: The Built Environment, Children's Health and Community Wellness Donald R. Mattison, MD, Senior Advisor to the Directors of the National Institute of Child Health and Human Development and the Center for Research for Mothers and Children (CRMC); Chief of the Obstetric and Pediatric Pharmacology Branch in the CRMC</p> <p>10:00 -10:30 Questions from Audience 10:30 -10:45 Break 10:45 -12:00 Panel: What Does Green Mean to My Practice/ Business - Why Concern for Children's Health and Well-Being? Gary Cohen, Co-Executive Director, Health Care Without Harm Steve McDowell, FAIA, Principal, BNIM Architects</p> <p>12:00 -12:30 Questions from Audience 12:30 -1:15 Lunch on the Grounds 1:15 - 2:30 Panel: Creating Livable Communities- Lessons from the Field on Protecting the Health and Well-Being of Children Howard Frumkin, MD, DrPH, Director, National Center for Environmental Health, Agency for Toxic Substances and Disease Registry, Centers for Disease Control John Porretto, Co-Founder and Chairman, VerdeCapital; Founder and President, Sustainable Building Solutions</p>	<p>2:30 - 3:00 Questions from Audience 3:00 - 5:00 Option One Panel: How Unrestricted Patterns of Sprawl, Congestion and Suburban Development Impact the Physical and Mental Well-Being of Children Dr. Debra Cherry, MD, MS, Medical Consultant to the Southwest Center for Pediatric Environmental Health; Assistant Professor, Occupational Health Sciences, University of Texas Health Center at Tyler Molly Stevens, BA, Executive Director, Westcave Preserve, Austin, Texas; Coordinator, The Austin Children in Nature Community E. Lee Walker, MBA, Immediate Past Chairman of the Board, Capitol Metro Transit Authority; Professor, Plan II Honors Program at The University of Texas at Austin; Founder, Community Investments Corporation; Former President, Dell Computers Corporation; Founding Board Member, Founding President, Entrepreneurial Excellence</p> <p>Option Two Guided Tour of the Dell Children's Medical Center (The tour will be limited to 55 participants)</p> <p>5:00 - 5:30 Summary and Overview of Day Two Policy Forum Martin Lorin, MD, Professor, Texas Children's Hospital, Baylor College of Medicine; Children's Environmental Health Institute Board Member</p> <p>5:30 -7:00 Reception on the Grounds of Barr Mansion</p>
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POLICY FORUM

- 8:00 - 8:15** Welcome and Acknowledgements
Janie D. Fields, MPA, Executive Director, Children's Environmental Health Institute
- 8:15 - 9:15** National Children's Study
Phil Landrigan, MD, Professor and the Chair of the Department of Community and Preventive Medicine at the Mount Sinai School of Medicine; Director, Mount Sinai Center for Children's Health and the Environment
- 9:15 - 9:45** Questions from Audience
- 9:45 - 10:00** Break
- 10:00 - 11:15** Panel: Need for Environmental Health Standards in Schools for Early Childhood, Pre-K and for Child Care Centers
Clifford S. Mitchell, MS, MD, MPH, Director, Environmental Health Coordination and Preventive Medicine/Public Health Residency Programs for the Maryland Department of Health

Mike Wells, AIA, Principal, The Early Childhood Studio; Children's Environmental Health Vice-Chair
Claire Barnett, MBA, Executive Director, Healthy Schools Network, Inc.

- 11:15 - 11:45** Questions from Audience
- 11:45 - 12:15** Lunch
- 12:15 - 1:30** Panel: How Should Science Drive New Policy Regarding Known or Suspected Health Risks in Children's Products?
Steven Gilbert, PhD, DABT, Director, Institute of Neurotoxicology and Neurological Disorders
Kristen Welker-Hood, ScD MSN RN, Director, Environment and Health Programs Physicians for Social Responsibility
Anila Jacob, MD, MPH, Senior Scientist, Environmental Working Group
- 1:30 - 2:00** Questions from Audience
- 2:00 - 2:30** Closing

PRIMARY PROGRAM OBJECTIVES

KEYNOTE ADDRESS

Making the Connections: The Built Environment, Children's Health and Community Wellness

- Recognize primary consequences of toxic exposures in the built environment on childhood life-cycle physiology and specific windows of vulnerability.
- Define a hierarchy of health needs for children in built environments.
- Describe the need for policymakers to address health issues related to the built environment to ensure that health and safety policies protect children.

PANEL SESSION

What Does Green Mean to my Practice/Business – Why Concern for Children's Health?

- Examine how physicians, architects/builders, businesses and others can "green" their practice.
- Explain how to access resource information on alternatives to toxic compounds and products in the built environment.
- Describe models that inform physicians, architects/builders, businesses and parents about the effects of the built environment on the health of children.

PANEL SESSION

Creating Livable Communities: Lessons from the Field on Protecting the Health of Children

- Describe significant public health aspects of the built environment that expose children to environmental health risks.
- Reflect on the need for health professionals and policymakers to address environmental issues related to promoting economic growth, such as land use and urban sprawl, while ensuring that health and safety policies protect children.
- Illustrate platforms for cross-discipline discussions between members of the design/building industry and health professionals on how to work more effectively to leverage efforts to establish good environmental health practices that protect the health of children.

PANEL SESSION

Reconnecting Children to Nature: How Unrestricted Patterns of Sprawl, Congestion and Suburban Development Impact the Physical and Mental Well-being of Children

- Examine how restrictive patterns of sprawl, congestion and suburban development are impacting children's mental and physical health and have been shown to be a cause of obesity, lack of socialization, attention disorders and poor academic performance.
- Review research indicating that direct exposure to nature is essential for healthy childhood development and for the physical and emotional development of children.
- Relate how a fundamental shift away from nature toward electronic games and entertainment combined with an increase in teacher-led instruction in preschool and kindergarten has resulted in a decline in child-initiated learning and exploration.

KEYNOTE ADDRESS

National Children's Study

- Describe the National Children's Study - the largest and most ambitious study of the health and development of children and their families ever to be conducted in the United States.

- Discuss methods and measures to assess childhood environmental health risks in built environments.
- Examine the need and focus of the Study, status of planning to date and provide an overview of ethical questions inherent in such an endeavor.

PANEL SESSION

Need for Environmental Health Standards: In Schools for Early Childhood, Pre-K and for Child Care Centers

- Advance the knowledge base on the connection between the environment and the dramatic increase in neurological and developmental disabilities, asthma, obesity, diabetes and other related health concerns contributing to an increase in learning and behavioral problems, increased absentee rates in schools and escalating health care costs.
- Describe health risk factors, specific to children, in the design and building industry, and why health professionals, school/child care administrators and others need to develop policies to remove environmental contaminants from the microenvironment of children.
- Explain how architects, builders and administrators can prevent health risks to children by incorporating proven practices to protect the health of children in the environments where they live, learn and play.

PANEL SESSION

How Should Science Drive New Policy Regarding Known or Suspected Health Risks in Children's Products?

- Analyze conflicting needs of individuals, society and industry in regard to the manufacture, use and regulation of environmental toxicants.
- Summarize progress in protecting the health of children through the use of the precautionary principle in the development, manufacture, promotion and regulation of products.
- Relate model legislation to control the manufacture, distribution and sale of children's products containing contaminants that are suspected or known health hazards.
- Review the ethical responsibilities of individuals and society to ensure that all children can reach and maintain their full potential.

GUIDED TOUR OF THE DELL CHILDREN'S MEDICAL CENTER

Observe the physical layout and design for the Dell Children's Medical Center.

- Discuss the relationship of Dell Children's Medical Center design and workflow, work processes and systems, technology, and available support services.
- Describe how the design of patient rooms supports patient/family centered care and safe, efficient and effective work processes for the health care professionals at the Dell Children's Medical Center.
- Explain how the physical environment at the Dell Children's Medical Center affects the models of care delivery, e.g. decentralized or centralized work areas and nurse assignment making.
- Examine how the communication, documentation and technological systems are used to assist in providing top quality patient care at the Dell Children's Medical Center.

For more information and to register online,
visit the CEHI Web site at www.cehi.org or call
Janie D. Fields, Executive Director at (512) 657-7405




The Children's
Environmental Health Institute P.O. Box 50342
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Mark your calendars for
October 30 – 31, 2008

Biennial Scientific
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Blueprint for Children's
Health and the
Built Environment

**Barr Mansion
Austin, Texas**



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Blueprint for Children's Health in the Built Environment

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Check payable to "Children's Environmental
Health Institute" Amount: \$ _____

- \$250 Physicians/Architects/Engineers/ Business
- \$200 Nurses/Physician Assistants/Medical Professionals
- \$175 Government/Education
- \$150 Child Care Centers, Not-for-Profit and General Public
- \$ 75 Students
- Guided Tour of the Dell Children's Medical Center
Limited to 55 Participants

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Cancellations

Written notice of cancellation is required by October 16th in order to receive a symposium refund. A \$50 fee will be charged for all cancellations

* Credit card orders must include cardholder name/signature.

To register on-line go to www.cehi.org
MAIL TO: **The Children's Environmental Health Institute, P.O. Box 50342, Austin, TX 78763-0342**