

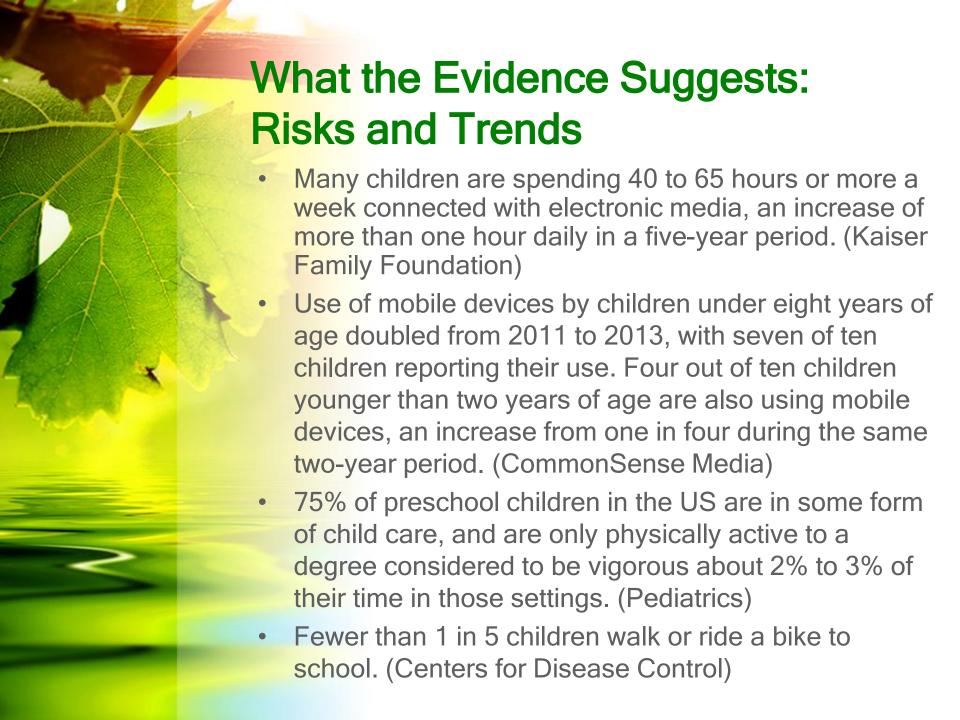


Healing the broken bond between our young and nature is in everyone's self-interest, not only because aesthetics or justice demand it, but also because our mental, physical and spiritual health depend upon it.

Richard Louv

Last Child in the Woods: Saving
Our Children from NatureDeficit Disorder





Risks and Trends, cont. There is an upward trend in high blood pressure in children ages eight to 18. (Journal of American Medical Association) Myopia or nearsightedness has become increasingly common in young children. (Opthamology) Worldwide there is a high prevalence of vitamin D deficiency in infants, children and teens, and is associated with chronic diseases. Reduced sun exposure is a risk factor for vitamin D deficiency. (Reviews in Endocrine and Metabolic Disorders) Youth spend significantly less time in moderate-tovigorous physical activity as they move from childhood to the teen years. Only17% of 15 year olds were found to get an hour a day of MVPA. (Journal of the American Medical Association)



What the Evidence Suggests: The Benefits

- Children are happier, healthier and smarter when they connect with nature.
 - Happier: Nature play increases self esteem, improves psychological health, reduces anxiety and stress, and enhances confidence. Children learn self-discipline and are more cooperative.
 - Healthier: Nature play improves physical conditioning, reduces obesity and mitigates other health risk factors.
 - Smarter: Nature play stimulates creativity, improves problem solving, and enhances executive functioning skills. Children do better in school.









Photo by Dr. Joe Baust





Photo by Dr. Milton McClaren.





Photo Nathaniel Brooks for New York Times, Waldorf School, Saratoga Springs, New York



Resilience



Photo by Brett Hochmuth, Eagle Eye Photography





Photo by Cheryl Charles.

Sense of Place



Photo by Judith Anderson.

Cooperation



Kindergarten, Germany. Wall Street Journal.

Problem Solving



Photo Courtesy of Peconic Land Trust.

Self Esteem



Photo by Judith Anderson.

Exhilaration



Photo Courtesy of Children in Nature Collaborative, Bay Area





Photo Courtesy of Cincinnati Nature Center.

Confidence



Photo by The Nature Conservancy.

Focus

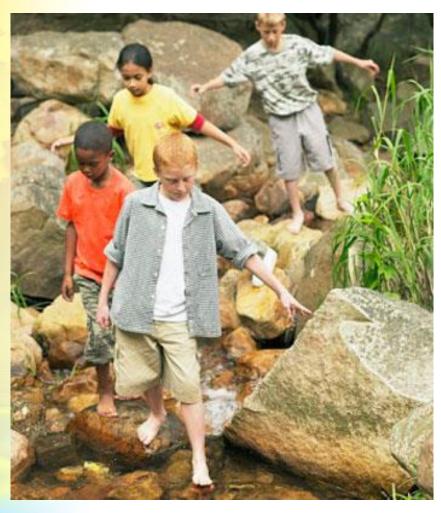


Photo Courtesy of Children in Nature Collaborative, Bay Area





Photo Courtesy of Children in Nature Collaborative, Bay Area.



Courage



Photo Courtesy of Brother Yusuf Burgess.



Wonder



Photo by Cheryl Charles.





What Teachers and Caregivers Can Do

- Open the door and go outside.
- Integrate the outdoors throughout the day care and school curricula.
- Reinstate recess where it has been eliminated.
- Affirm those teachers and caregivers who have always brought the outdoors indoors, with live plants, natural materials, ecologically-based learning laboratories and opportunities to connect with the outdoors.
- Maintain, expand or add areas of native plantings, schoolyard habitat projects, school gardens and diverse natural areas to the day care or school grounds and nearby neighborhoods.
- Get parents and the community involved—because nature-based learning is good for everyone.





For Additional Information

Cheryl Charles, Ph.D.

Research Scholar and Executive Director

Nature Based Leadership Institute

Antioch University New England

ccharles@Antioch.edu

Co-Founder, President and CEO Emerita,
Children & Nature Network
www.childrenandnature.org
Cheryl@childrenandnature.org