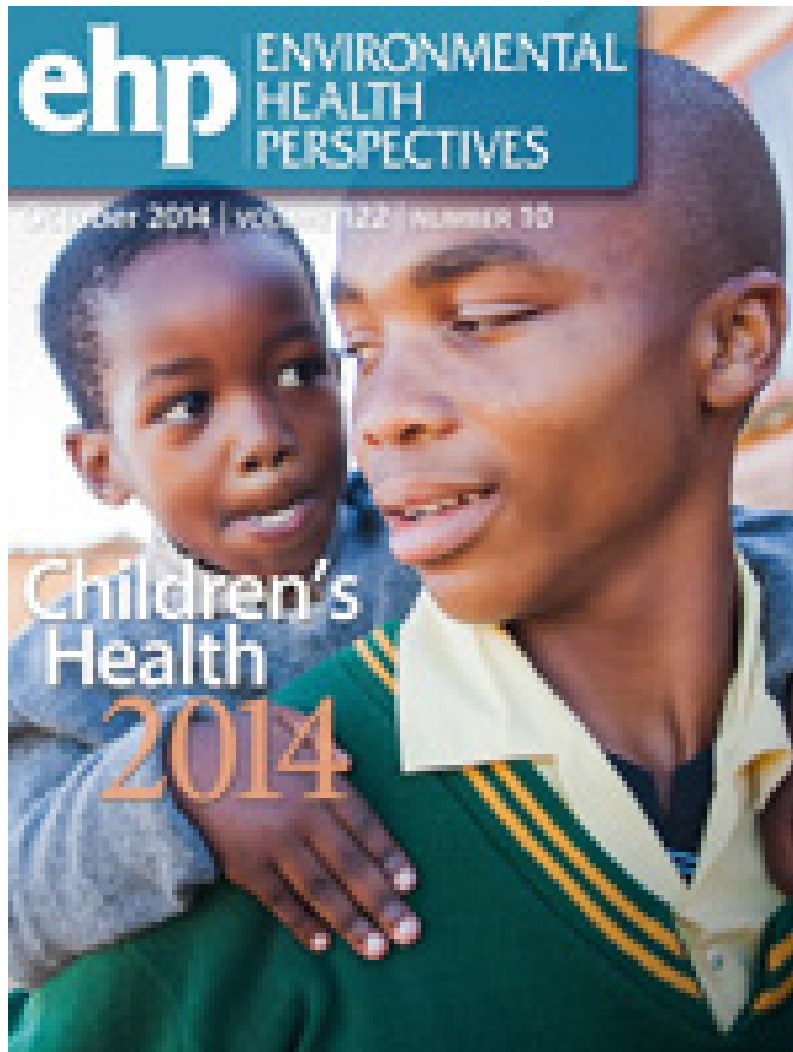


ENVIRONMENTAL HEALTH PERSPECTIVES,

október 2014, ročník 122, číslo 10



ON THE COVER

CHILDREN'S HEALTH 2014

FOCUS

Remote-Sensing Applications for Environmental Health Research

Nate Seltenrich | A268

Scientists and government agencies worldwide already use satellite data to monitor air pollutants, infectious disease epidemics, harmful algal blooms, climate change, and more. But that's only the beginning of what we can do with remote-sensing technology.

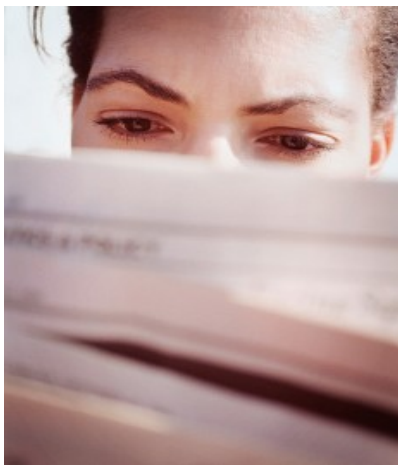


SPHERES OF INFLUENCE

Risk Perception: It's Personal

Valerie J. Brown | A276

In a regulatory or research setting, risk assessment typically entails a four-step process: hazard identification, hazard characterization, exposure assessment, and risk characterization. Individuals mentally assess risk in a similar way, but risk perception is shaped by several largely unconscious emotional processes shared by scientists and nonscientists alike.



SCIENCE SELECTIONS

Pesticides and Autism Spectrum Disorders: New Findings from the CHARGE Study

David C. Holzman | A280

Also see *Shelton et al.*, [p. 1103](#)

Beyond Spatial Relationships: Residential Greenness and Birth Outcomes

Wendee Nicole | A281

Also see *Hystad et al.*, p. 1095

Zeroing In on a Risk Factor? PBDE Exposure and Acute Lymphoblastic Leukemia

Tanya Tillett | A282

Also see *Ward et al.*, p. 1110

The Navigation Guide: Systematic Review for the Environmental Health Sciences

Julia R. Barrett | A283

Also see

Woodruff and Sutton, p. 1007

Kouostas et al., p. 1015

Johnson et al., p. 1028

Lam et al., p. 1040

REVIEWS

The Navigation Guide—Evidence-Based Medicine Meets Environmental Health: Systematic Review of Nonhuman Evidence for PFOA Effects on Fetal Growth

Erica Kouostas, Juleen Lam, Patrice Sutton, Paula I. Johnson, Dylan S. Atchley, Saunak Sen, Karen A. Robinson, Daniel A. Axelrad, and Tracey J. Woodruff | 1015

Also see *Science Selections*, p. A283

The Navigation Guide—Evidence-Based Medicine Meets Environmental Health: Systematic Review of Human Evidence for PFOA Effects on Fetal Growth

Paula I. Johnson, Patrice Sutton, Dylan S. Atchley, Erica Kouostas, Juleen Lam, Saunak Sen, Karen A. Robinson, Daniel A. Axelrad, and Tracey J. Woodruff | 1028

Also see *Science Selections*, p. A283

The Navigation Guide—Evidence-Based Medicine Meets Environmental Health: Integration of Animal and Human Evidence for PFOA Effects on Fetal Growth

Juleen Lam, Erica Kouostas, Patrice Sutton, Paula I. Johnson, Dylan S. Atchley, Saunak Sen, Karen A. Robinson, Daniel A. Axelrad, and Tracey J. Woodruff | 1040

Also see *Science Selections*, p. A283

RESEARCH

Effects of in Utero Exposure of C57BL/6J Mice to 2,3,7,8-Tetrachlorodibenzo-p-dioxin on Epidermal Permeability Barrier Development and Function

Clarisse S. Muenyi, Sandra Leon Carrion, Lynn A. Jones, Lawrence H. Kennedy, Andrzej T. Slominski, Carrie H. Sutter, and Thomas R. Sutter | 1052

Long-Term Exposure to Low-Level Arsenic in Drinking Water and Diabetes Incidence: A Prospective Study of the Diet, Cancer and Health Cohort

Elvira Vaclavik Bräuner, Rikke Baastrup Nordsborg, Zorana Jovanovic Andersen, Anne Tjønneland, Steffen Loft, and Ole Raaschou-Nielsen | 1059

Lead Exposure, B Vitamins, and Plasma Homocysteine in Men 55 Years of Age and Older: The VA Normative Aging Study

Kelly M. Bakulski, Sung Kyun Park, Marc G. Weisskopf, Katherine L. Tucker, David Sparrow, Avron Spiro III, Pantel S. Vokonas, Linda Huiling Nie, Howard Hu, and Jennifer Weuve | 1066

Proximity to Traffic, Ambient Air Pollution, and Community Noise in Relation to Incident Rheumatoid Arthritis

Anneclaire J. De Roos, Mieke Koehoorn, Lillian Tamburic, Hugh W. Davies, and Michael Brauer | 1075

Daily Mean Temperature and Clinical Kidney Stone Presentation in Five U.S. Metropolitan Areas: A Time-Series Analysis

Gregory E. Tasian, Jose E. Pulido, Antonio Gasparrini, Christopher S. Saigal, Benjamin P. Horton, J. Richard Landis, Rodger Madison, and Ron Keren for the Urologic Diseases in America Project | 1081

Associations between Arsenic Species in Exfoliated Urothelial Cells and Prevalence of Diabetes among Residents of Chihuahua, Mexico

Jenna M. Currier, María C. Ishida, Carmen González-Horta, Blanca Sánchez-Ramírez, Lourdes Ballinas-Casarrubias, Daniela S. Gutiérrez-Torres, Roberto Hernández Cerón, Damián Viniegra Morales, Francisco A. Baeza Terrazas, Luz M. Del Razo, Gonzalo G. García-Vargas, R. Jesse Saunders, Zuzana Drobná, Rebecca C. Fry, Tomáš Matoušek, John B. Buse, Michelle A. Mendez, Dana Loomis, and Miroslav Stýblo | 1088

CHILDREN'S HEALTH

Residential Greenness and Birth Outcomes: Evaluating the Influence of Spatially Correlated Built-Environment Factors

Perry Hystad, Hugh W. Davies, Lawrence Frank, Josh Van Loon, Ulrike Gehring, Lillian Tamburic, and Michael Brauer | 1095

Also see [Science Selections](#), p. A281

Neurodevelopmental Disorders and Prenatal Residential Proximity to Agricultural Pesticides: The CHARGE Study

Janie F. Shelton, Estella M. Geraghty, Daniel J. Tancredi, Lora D. Delwiche, Rebecca J. Schmidt, Beate Ritz, Robin L. Hansen, and Irva Hertz-Picciotto | 1103

Also see [Science Selections](#), p. A280

Residential Levels of Polybrominated Diphenyl Ethers and Risk of Childhood Acute Lymphoblastic Leukemia in California

Mary H. Ward, Joanne S. Colt, Nicole C. Deziel, Todd P. Whitehead, Peggy Reynolds, Robert B. Gunier, Marcia Nishioka, Gary V. Dahl, Stephen M. Rappaport, Patricia A. Buffler, and Catherine Metayer | 1110

Also see [Science Selections](#), p. A282

Sources of Fine Particulate Matter and Risk of Preterm Birth in Connecticut, 2000–2006: A Longitudinal Study

Gavin Pereira, Michelle L. Bell, Hyung Joo Lee, Petros Koutrakis, and Kathleen Belanger | 1117

Environmental Tobacco Smoke Exposure and Children's Intelligence at 8–11 Years of Age

Subin Park, Soo-Churl Cho, Yun-Chul Hong, Jae-Won Kim, Min-Sup Shin, Hee Jeong Yoo, Doug Hyun Han, Jae Hoon Cheong, and Bung-Nyun Kim | 1123

Perfluoroalkyl Chemicals and Asthma among Children 12–19 Years of Age: NHANES (1999–2008)

Olivier Humblet, Ledif Grisell Diaz-Ramirez, John R. Balmes, Susan M. Pinney, and Robert A. Hiatt | 1129

Blood Lead Concentration and Thyroid Function during Pregnancy: Results from the Yugoslavia Prospective Study of Environmental Lead Exposure

Linda G. Kahn, Xinhua Liu, Biljana Rajovic, Dusan Popovac, Sharon Oberfield, Joseph H. Graziano, and Pam Factor-Litvak | 1134

Asthma in Inner-City Children at 5–11 Years of Age and Prenatal Exposure to Phthalates: The Columbia Center for Children’s Environmental Health Cohort

Robin M. Whyatt, Matthew S. Perzanowski, Allan C. Just, Andrew G. Rundle, Kathleen M. Donohue, Antonia M. Calafat, Lori A. Hoepner, Frederica P. Perera, and Rachel L. Miller | 1141

Identification of DNA Methylation Changes in Newborns Related to Maternal Smoking during Pregnancy

Christina A. Markunas, Zongli Xu, Sophia Harlid, Paul A. Wade, Rolv T. Lie, Jack A. Taylor, and Allen J. Wilcox | 1147