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FOCUS

Does the Smoke Ever Really Clear? Thirdhand Smoke Exposure Raises New Concerns

Adrian Burton
A70–A74 | <http://dx.doi.org/10.1289/ehp.119-A70>

Countless studies have confirmed the health risks associated with smoking and secondhand smoke exposure. Now, new research is bringing attention to potential health risks associated with so-called thirdhand smoke, the mixture of tobacco smoke toxicants that lingers in the air and on surfaces after the smoke itself dissipates.

FORUM

Global Estimate of SHS Burden

Naomi Lubick
A66–A67 | <http://dx.doi.org/10.1289/ehp.119-A66>

Acrolein and Neuro Disorders

Bob Weinhold
A68 | <http://dx.doi.org/10.1289/ehp.119-A68a>

A Second Look at Sea Lice

David A. Taylor
A69 | <http://dx.doi.org/10.1289/ehp.119-A69>

The Beat

Erin E. Dooley
A68–A69 | <http://dx.doi.org/10.1289/ehp.119-A68b>

SPHERES OF INFLUENCE



Avoiding Health Pitfalls of Home Energy-Efficiency Retrofits

John Manuel
A76–A79 | <http://dx.doi.org/10.1289/ehp.119-A76>

Done correctly, residential energy-efficiency retrofits can save homeowners hundreds of dollars annually through reduced electricity use. But energy-efficiency measures can backfire when they are improperly performed or are unnecessary for a specific home.

SCIENCE SELECTIONS

Thyroid Hormone Understanding Branches Out: Insights into PBDE Impacts on Brain Development

Kellyn S. Betts
A80–A81 | <http://dx.doi.org/10.1289/ehp.119-A80a>

Beastly Beauty Products: Exposure to Inorganic Mercury in Skin-Lightening Creams

Cynthia Washam

A80 | <http://dx.doi.org/10.1289/ehp.119-A80b>

Heat Effects Are Unique: Mortality Risk Depends on Heat Wave, Community Characteristics

Tanya Tillett

A81 | <http://dx.doi.org/10.1289/ehp.119-A81>

COMMENTARIES

Contamination of U.S. Butter with Polybrominated Diphenyl Ethers from Wrapping Paper

Arnold Schecter, Sarah Smith, Justin Colacino, Noor Malik, Matthias Opel, Olaf Paepke, Linda Birnbaum

151–154 | <http://dx.doi.org/10.1289/ehp.1002604>

The Dichloroacetate Dilemma: Environmental Hazard versus Therapeutic Goldmine—Both or Neither?

Peter W. Stacpoole

155–158 | <http://dx.doi.org/10.1289/ehp.1002554>

REVIEW

Occupational Benzene Exposure and the Risk of Lymphoma Subtypes: A Meta-analysis of Cohort Studies Incorporating Three Study Quality Dimensions

Jelle Vlaanderen, Qing Lan, Hans Kromhout, Nathaniel Rothman, Roel Vermeulen

159–167 | <http://dx.doi.org/10.1289/ehp.1002318>

RESEARCH

Disruption of Thyroid Hormone Receptor-Mediated Transcription and Thyroid Hormone-Induced Purkinje Cell Dendrite Arborization by Polybrominated Diphenyl Ethers

Kingsley Ibhazehiebo, Toshiharu Iwasaki, Junko Kimura-Kuroda, Wataru Miyazaki, Noriaki Shimokawa, Noriyuki Koibuchi

168–175 | <http://dx.doi.org/10.1289/ehp.1002065>

Long-Term Inhalation Exposure to Nickel Nanoparticles Exacerbated Atherosclerosis in a Susceptible Mouse Model

Gi Soo Kang, Patricia Anne Gillespie, Albert Gunnison, Andre Luis Moreira, Kam-Meng Tchou-Wong, Lung-Chi Chen

176–181 | <http://dx.doi.org/10.1289/ehp.1002508>

Polymorphisms in Arsenic(+III Oxidation State) Methyltransferase (AS3MT) Predict Gene Expression of AS3MT as Well as Arsenic Metabolism

Karin Engström, Marie Vahter, Simona Jurkovic Mlakar, Gabriela Concha, Barbro Nermell, Rubhana Raqib, Alejandro Cardozo, Karin Broberg
182–188 | <http://dx.doi.org/10.1289/ehp.1002471>

Home Characteristics as Predictors of Bacterial and Fungal Microbial Biomarkers in House Dust

Joanne E. Sordillo, Udeni K. Alwis, Elaine Hoffman, Diane R. Gold, Donald K. Milton
189–195 | <http://dx.doi.org/10.1289/ehp.1002004>

Electrocardiographic ST-Segment Depression and Exposure to Traffic-Related Aerosols in Elderly Subjects with Coronary Artery Disease

Ralph J. Delfino, Daniel L. Gillen, Thomas Tjoa, Norbert Staimer, Andrea Polidori, Mohammad Arhami, Constantinos Sioutas, John Longhurst
196–202 | <http://dx.doi.org/10.1289/ehp.1002372>

Population-Based Inorganic Mercury Biomonitoring and the Identification of Skin Care Products as a Source of Exposure in New York City

Wendy McKelvey, Nancy Jeffery, Nancy Clark, Daniel Kass, Patrick J. Parsons
203–209 | <http://dx.doi.org/10.1289/ehp.1002396>

Heat Waves in the United States: Mortality Risk during Heat Waves and Effect Modification by Heat Wave Characteristics in 43 U.S. Communities

G. Brooke Anderson, Michelle L. Bell
210–218 | <http://dx.doi.org/10.1289/ehp.1002313>

In Vivo Measurement of Brain GABA Concentrations by Magnetic Resonance Spectroscopy in Smelters Occupationally Exposed to Manganese

Ulrike Dydak, Yue-Ming Jiang, Li-Ling Long, He Zhu, Jian Chen, Wen-Mei Li, Richard A.E. Edden, Shuguang Hu, Xue Fu, Zaiyang Long, Xue-An Mo, Dieter Meier, Jaroslaw Harezlak, Michael Aschner, James B. Murdoch, Wei Zheng
219–224 | <http://dx.doi.org/10.1289/ehp.1002192>

Intrinsic Human Elimination Half-Lives of Polychlorinated Biphenyls Derived from the Temporal Evolution of Cross-Sectional Biomonitoring Data from the United Kingdom

Roland Ritter, Martin Scheringer, Matthew MacLeod, Claudia Moeckel, Kevin C. Jones, Konrad Hungerbühler
225–231 | <http://dx.doi.org/10.1289/ehp.1002211>

A Case-Control Study of Occupational Exposure to Trichloroethylene and Non-Hodgkin Lymphoma

Mark P. Purdue, Berit Bakke, Patricia Stewart, Anneclaire J. De Roos, Maryjean Schenk, Charles F. Lynch, Leslie Bernstein, Lindsay M. Morton, James R. Cerhan, Richard K. Severson, Wendy Cozen, Scott Davis, Nathaniel Rothman, Patricia Hartge, Joanne S. Colt
232–238 | <http://dx.doi.org/10.1289/ehp.1002106>

The Indian Ocean Dipole and Cholera Incidence in Bangladesh: A Time-Series Analysis

Masahiro Hashizume, A.S.G. Faruque, Toru Terao, Md Yunus, Kim Streatfield, Taro Yamamoto, Kazuhiko Moji
239–244 | <http://dx.doi.org/10.1289/ehp.1002302>

Fish Consumption and Mercury Exposure among Louisiana Recreational Anglers

Rebecca A. Lincoln, James P. Shine, Edward J. Chesney, Donna J. Vorhees, Philippe Grandjean, David B. Senn
245–251 | <http://dx.doi.org/10.1289/ehp.1002609>

Urinary Concentrations of Parabens and Serum Hormone Levels, Semen Quality Parameters, and Sperm DNA Damage

John D. Meeker, Tiffany Yang, Xiaoyun Ye, Antonia M. Calafat, Russ Hauser
252–257 | <http://dx.doi.org/10.1289/ehp.1002238>

CHILDREN'S HEALTH

Arsenic-Associated Oxidative Stress, Inflammation, and Immune Disruption in Human Placenta and Cord Blood

Sultan Ahmed, Sultana Mahabbat-e Khoda, Rokeya Sultana Rekha, Renee M. Gardner, Syeda Shegufta Ameer, Sophie Moore, Eva-Charlotte Ekström, Marie Vahter, Rubhana Raqib
258–264 | <http://dx.doi.org/10.1289/ehp.1102086>

Genetic, Biochemical, and Environmental Factors Associated with Pregnancy Outcomes in Newborns from the Czech Republic

Pavel Rossner, Nana Tabashidze, Miroslav Dostal, Zuzana Novakova, Irena Chvatalova, Milada Spatova, Radim J. Sram
265–271 | <http://dx.doi.org/10.1289/ehp.1002470>

Prenatal Organochlorine Compound Exposure, Rapid Weight Gain, and Overweight in Infancy

Michelle A. Mendez, Raquel Garcia-Esteban, Mónica Guxens, Martine Vrijheid, Manolis Kogevinas, Fernando Goñi, Silvia Fochs, Jordi Sunyer
272–278 | <http://dx.doi.org/10.1289/ehp.1002169>

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