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Special Issue: Effects of the Environment on the Health of Women and Infants

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An Upstream Perspective on Maternal–Child Environmental Health

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Use of Publicly Available Data in Perinatal and Women's Health Nursing Research

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Extreme Heat During Pregnancy

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Role of the Nurse in Addressing Health Risks Related to Wildfire Smoke Exposure During Pregnancy and Childhood

Need for Nursing Advocacy to Address the Effects of Climate Change on Maternal and Neonatal Care



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EDITORIALS

1 **Call to Action for Nurses to Lead the Charge for Healthier Environments**

The guest editors encourage nurses to obtain the knowledge, evidence, and tools necessary to mitigate the effects of the environment on the health of their patients and introduce the articles in this series.

Katie Huffling and Ruth McDermott-Levy

4 **An Upstream Perspective on Maternal–Child Environmental Health**

Environmental protection is in peril, and policies that address climate change, plastics reduction, and air quality are under specific threat.

Patricia Butterfield

COLUMNS

STATISTICS FOR NURSING RESEARCH

7 **Use of Publicly Available Data in Perinatal and Women’s Health Nursing Research**

The author describes national databases and registries that may be useful for nursing research and quality improvement initiatives.

Oliwier Dziadkowiec

CURRENT EVIDENCE TO GUIDE PRACTICE, POLICY, AND RESEARCH

13 **Extreme Heat During Pregnancy**

The author provides current evidence on the consequences of extreme heat during pregnancy on maternal and infant health.

Summer S. Hawkins

SERIES

CRITICAL ANALYSIS OF U.S. HEALTH CARE POLICY

28 **Environmental Deregulation and Emerging Risks for Maternal and Child Health**

Policy and practice recommendations to strengthen environmental health protections and safeguard maternal and child health amid ongoing deregulation are suggested.

Roberta Lavin, Mindy B. Tinkle, Mary Pat Couig, Heidi Honegger Rogers, Hector A. Olvera-Alvarez, and Xi Gong

RESEARCH

43 **Associations Among Exposure to Wildfire Smoke In Utero and Neonatal Outcomes**

The effects of in utero exposure to wildfire smoke on select neonatal outcomes were not clinically significant in this study.

Tara Marko, Ekaterina Burduli, Lois James, Von Walden, Mohammadamin Vahidi Ghazvini, Patricia Butterfield, Solmaz Amiri, and Julie Postma

PRINCIPLES & PRACTICE

57 **Prevention of Lead Exposure in the Perinatal Period**

Prevention of lead exposure in the perinatal period requires nurses to understand potential lead sources and to recommend universal lead screening during pregnancy.

Lois Wessel

Continued

69 **Climate Change in Clinical Practice**

Nurses must be knowledgeable in health effects of climate change to provide optimal care for pregnant women and their developing fetuses.

Ruth McDermott-Levy, Katie Huffling, Michelle M. Kelly, and Susan Rubinstein

CRITICAL COMMENTARY

80 **Strategies to Reduce the Risk-Adverse Reproductive Outcomes Related to Hazardous Drugs**

Because hazardous drugs can cause adverse health outcomes, awareness and clear strategies are needed to minimize exposure for all health care workers.

AnnMarie L. Walton and MiKaela M. Olsen

89 **Role of the Nurse in Addressing Health Risks Related to Wildfire Smoke Exposure During Pregnancy and Childhood**

Exposure to wildfire smoke can have harmful health effects in vulnerable populations, and nurses should be equipped with information and guidance to share with patients to improve health outcomes.

Mary K. Cardon and Catherine J. Karr

98 **Need for Nursing Advocacy to Address the Effects of Climate Change on Maternal and Neonatal Care**

Nurse advocacy can reduce climate-related environmental exposures and support better maternal health outcomes.

Sarah B. Bucic