

1. Record Nr.	UNINA9910784676203321
Autore	Wigle D. T
Titolo	Child health and the environment [[electronic resource] /] / Donald T. Wigle
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2003
ISBN	0-19-773748-X 1-280-47339-8 9786610473397 0-19-974888-8 1-60256-981-9
Descrizione fisica	1 online resource (417 p.)
Disciplina	615.9/0083
Soggetti	Pediatric toxicology Environmentally induced diseases in children Children - Health risk assessment
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine generated contents note: 1. Environmental Threats to Child Health: Overview, 1 -- Environmental Health Concerns About Children, 2 -- Children's Vulnerabilities, 7 Risk Management Issues, 14 -- 2. Environmental Epidemiology, 27 -- Epidemiology, 27 -- Study Types, 34 -- 3. Risk Assessment, 47 -- Risk Assessment Framework; 47 -- Selected Risk Assessment Practices, 58 -- 4. Metals-Lead, 71 -- Health Effects, 72 -- Exposures, 79 -- Risk Management, 82 -- 5. Metals-Mercury, Arsenic, Cadmium, and Manganese, 99 -- I. Mercury, 100 -- Methylmercury, 100 -- Elemental and Inorganic Mercury, 113 -- II. Other Metals and Metalloids, 117 -- Arsenic, 117 -- Cadmium, 121 -- Manganese, 125 -- 6. PCBs, Dioxins, and Related Compounds, 136 -- Health Effects, 137 -- Exposures, 149 -- Risk Management, 150 -- 7. Pesticides, 162 -- Health Effects, 163 -- Exposures, 171 -- Risk Management, 173 -- 8. Hormonally Active Agents, 189 -- Normal Endocrine Function, 192 -- Mechanisms of Environmental Hormonally Active Agents, 201 -- Health Effects, 208 -- Exposures, 214 -- Risk Management, 215 -- 9. Radiation, 229 -- I. Ionizing Radiation, 230 --

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Sommario/riassunto

This is the first textbook to focus on environmental threats to child health. It will interest professionals and graduate students in public health, paediatrics, environmental health, epidemiology, and toxicology. The first three chapters provide overviews of key children's environmental health issues as well as the role of environmental epidemiology and risk assessment in child health protection. Overarching themes are the susceptibility of the rapidly developing fetus and infant to environmental toxicants, the importance of modifying factors (e.g. poverty, genetic traits, nutrition), the role of health outcome and exposure monitoring, uncertainties surrounding environmental exposure limits, and the importance of timely intervention. Later chapters address the health effects of metals, PCBs, dioxins, pesticides, hormonally active agents, radiation, indoor and outdoor air pollution, and water contaminants. In analyzing potential environmental hazards, the book addresses both biologic and epidemiologic evidence, including the likelihood of causal relationships. Among the health outcomes he discusses are developmental, reproductive, and neurobehavioral effects, respiratory disease, cancer, and waterborne infectious diseases. These discussions cover environmental exposure sources/indicators, interventions, and standards, and conclude with a summary of calls for an improved science base to guide public health decisions and protect child health.
