Record Nr. UNINA9910815161503321 Air pollution and health / / Jon Ayres, Robert Maynard, Roy Richards **Titolo** [editors] Pubbl/distr/stampa London, : Imperial College Press Hackensack, N.J., : distributed by World Scientific, c2006 **ISBN** 1-281-86741-1 9786611867416 1-86094-923-1 Edizione [1st ed.] Descrizione fisica 1 online resource (264 p.) Collana Air pollution reviews;;3 Altri autori (Persone) AvresJ. G MaynardRob RichardsRoy 615.902 Disciplina Soggetti Air - Pollution - Physiological effect Particles - Physiological effect Aerosols - Physiological effect Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto **CONTENTS CONTRIBUTORS** : Preface ; 1 The Role of the Nose in Health and Disease : 2 The Nose as a Defender of the Airway : 1 Introduction ; 2.1 Filtration of Suspended Particulate Matter 2.2 Humidincation of Inspired Air ; 2.3 The Nose as a Heat Exchanger 2.4 Mucociliary Clearance 2.5 Innervation of the Nose and Nasal Reflexes : 3 Effects of Pollutants on the Nose : 3.1 Effects on ; 3.2 Effects on Mucociliary Sensory Nerves Clearance ; 3.3 Effects on Epithelial Cells ; 3.4 Effects on Immune System : 3.5 Rhinitis and Air Pollution 4 Summary References : 2 Cardiovascular Effects of **Particles** ; 1 Introduction ; 2 **Epidemiology** ; 2.1 Air Pollution and Mortality

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Sommario/riassunto

This invaluable volume, the third in the series <i>Air Pollution Reviews</i>, addresses particular questions relating to air pollution and its effect on health. It deals with the impact of nasal disease on lung exposure, how pollutants are distributed within the lung, and the uncertainties with regard to defining the dose to the lung. It takes a tangential look at the lung dose by exploring the possibility of obtaining clues from occupational medicine. Toxicologically, the book examines the possible methodology for exploring how particles and their toxicity can be investigated, and looks int