Record Nr. UNINA9910783780403321 **Titolo** Health risks from exposure to low levels of ionizing radiation : BEIR VII, Phase 2 [[electronic resource] /] / Committee to Assess Health Risks from Exposure to Low Levels of Ionizing Radiation, Board on Radiation Effects, Research Division on Earth and Life Studies. National Research Council of the National Academies Washington, D.C., : National Academies Press, c2006 Pubbl/distr/stampa **ISBN** 1-280-44717-6 9786610447176 0-309-53040-7 1 online resource (423 p.) Descrizione fisica Disciplina 363.17/99 Soggetti Ionizing radiation - Toxicology Ionizing radiation - Physiological effect Ionizing radiation - Dose-response relationship Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali This is the seventh in a series of reports from the National Research Council prepared to advise the U.S. government on the relationship between exposure to ionizing radiation and human health. Includes bibliographical references and index. Nota di bibliografia ""Front Matter""; ""Preface""; ""Reviewers""; ""Units Used to Express Nota di contenuto Radiation Dose"": ""Contents"": ""Public Summary"": ""Executive Summary""; ""1 Background Information""; ""2 Molecular and Cellular Responses to Ionizing Radiation""; ""3 Radiation-Induced Cancer: Mechanisms, Quantitative Experimental Studies, and the Role of Genetic Factors""; ""4 Heritable Genetic Effects of Radiation in Human Populations""; ""5 Background for Epidemiologic Methods""; ""6 Atomic Bomb Survivor Studies""; ""7 Medical Radiation Studies""; ""8 Occupational Radiation Studies"" ""9 Environmental Radiation Studies"""10 Integration of Biology and Epidemiology""; ""11 Risk Assessment Models and Methods""; ""12 Estimating Cancer Risk""; ""13 Summary and Research Needs""; ""Appendixes""; ""A Basic Biological and Genetic Concepts""; ""B Commentary on Radiation from Medical Procedures in the Pathogenesis

of Cancer and Ischemic Heart Disease: Dose- Response Studies with

Physicians per 100,000 Population""; ""C Issues Raised by the Institute for Energy and Environment Research (IEER)""; ""D Hormesis""; ""E Fifteen-Country Workers Study""; ""References""; ""Glossary"" ""Committee Biographies"""Index""