

1. Record Nr.	UNINA9910823140403321
Autore	Luber George
Titolo	Global Climate Change and Human Health : From Science to Practice
Pubbl/distr/stampa	New York : , : John Wiley & Sons, Incorporated, , 2015 ©2015
ISBN	9781118603581 9781118505571
Edizione	[1st ed.]
Descrizione fisica	1 online resource (707 pages)
Altri autori (Persone)	LemeryJay
Disciplina	615.9/02
Soggetti	Global warming - Health aspects Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Title Page -- Copyright -- Dedication -- Introduction -- Acknowledgments -- The Editors -- The Contributors -- Part 1: Our Changing Planet: Emergent Risks for Human Health -- Chapter 1: Primer on Climate Science -- Scientific Consensus -- Weather, Climate Variability, Climate Change, and Scientific Theory -- Energy Balance -- Evidence of a Changing Climate -- Climate Models -- Projected Future Climate Changes -- Conclusion -- Chapter 2: Extreme Weather Events: The Role of Public Health in Disaster Risk Reduction as a Means for Climate Change Adaptation -- Disasters Caused by Extreme Weather Events -- Scope of the Problem -- Public Health Impact of Extreme Weather Disasters -- Managing the Public Health Risk of Extreme Weather Disasters -- Conclusion -- Chapter 3: Extreme and Changing Meteorological Conditions on the Human Health Condition -- Social, Environmental, and Individual Factors within Well-Known Climate-Related Health Risks -- Case Study -- Conclusion -- Part 2: The Health Consequences of Climate Change -- Chapter 4: Changes in Hydrology and Its Impacts on Waterborne Disease -- Changes in Hydrology due to Climate Change -- Waterborne Pathogens -- Other Infectious Diseases -- Adaptation Strategies -- Conclusion -- Chapter 5: Ozone, Oppressive Air Masses, and Degraded Air Quality -- Climate Change and Air Quality -- Air Pollution-Vulnerable Populations -- Future

Projections of Climate Change's Effects on Air Pollution -- Mitigation: Health Benefits of Reducing Carbon Pollution and Associated Co-Pollutant Air Pollution -- Adaptation: Climate Health Preparedness and Reducing Air Pollution Vulnerability -- Conclusion -- Chapter 6: Effects of Climate Change on Noninfectious Waterborne Threats -- Harmful Algal Blooms -- Climate Change and Harmful Algal Blooms -- Conclusion.

Chapter 7: Climate Change, Carbon Dioxide, and Public Health: The Plant Biology Perspective -- Direct Consequences -- Indirect Consequences -- Uncertainties and Research Priorities -- Conclusion -- Chapter 8: Climate and Its Impacts on Vector-Borne and Zoonotic Diseases -- Malaria -- The Recent Expansion of Dengue -- The Sudden Emergence of West Nile Virus-Associated Illnesses -- Lyme Disease in the United States -- Rabies in Wild Carnivores and Bats -- Conclusion -- Chapter 9: Addressing the Challenges of Climate Change to Food Security, Safety, and Nutrition -- Climate Change and Food Security: Impacts on Availability, Stability, Access, and Food Utilization -- Climate Change Impacts on Food Stability and Access -- Climate Change and Food Safety -- Agriculture Impacts on Climate Change -- Biofuel Production Challenges for Food Security and Nutrition -- Climate Change and Undernutrition -- Nutrition-Sensitive Climate Change Adaptation -- Nutrition-Sensitive Climate Change Mitigation -- Implications of Dietary Patterns to Climate and Nutrition -- Cobenefits of Sustainable Food Production, Sustainable Food Consumption, and Food Waste Reduction -- Policy Coherence and Good Governance for Climate Change and Nutrition -- Conclusion -- Chapter 10: Climate Change and Population Mental Health -- Mechanisms -- A Disproportionate Burden -- Conclusion -- Part 3: The Public Health Approach to Climate Change -- Chapter 11: Improving the Surveillance of Climate-Sensitive Diseases -- Environmental Monitoring -- Health Surveillance for Climate Risks -- Risk Mapping Approaches -- Pollens and Allergies -- Decision Making from Surveillance Information -- Effectiveness of Prevention and Adaptation Measures -- Identification and Ranking of Hazardous Situations -- Communication -- Future Improvements to Be Promoted -- Conclusion.

Chapter 12: Climate and Health Vulnerability Assessments: A Practical Approach -- What Health Issues Should a Vulnerability and Adaptation Assessment Cover? -- What Other Nonclimate Factors Should Be Considered? -- Vulnerability and Adaptation Assessment -- Understanding Future Impacts on Health -- Identifying and Prioritizing Health Adaptation Measures -- Integration, Implementation, and Iteration -- Conclusion -- Chapter 13: Climate Change Health Impact Projections: Looking into the Future -- A Conceptual Overview of Climate Change Health Impact Projections -- Merging Data Streams in the Climate Change Health Impact Model -- Frontiers in Climate Change Health Impact Projection -- Conclusion -- Chapter 14: Community-Based Sentinel Surveillance as an Innovative Tool to Measure the Health Effects of Climate Change in Remote Alaska -- The Public Health Context: Sentinel Surveillance and Community-Based Research in Public Health -- Climate and Health in the Far North -- What We Did and Why -- Findings, Reporting Back to the Community, and Adaptation Plans -- Conclusion -- Chapter 15: Protecting Environmental Justice Communities from the Detrimental Impacts of Climate Change -- Climate Resiliency and Environmental Justice -- Heat Waves, Environmental Justice, and Climate Change -- Extreme Weather Events and Environmental Justice -- Indigenous Rights and Climate Change -- Summary and Recommendations -- Conclusion -- Chapter 16: Climate Change Communication -- Public Understanding

of Climate Change and Principles of Climate Change Communication -- Communicating the Impacts of Climate Change -- Communicating Climate Change through a Focus on Health -- Conclusion -- Part 4: Taking Action: Adaptation, Mitigation, and Governance -- Chapter 17: International Perspective on Climate Change Adaptation -- Historical Perspective -- Framework for Adaptation. Assessing Adaptation Needs and Options -- National Adaptation Programmes of Action and National Adaptation Plans -- Adaptation Options -- Conclusion -- Chapter 18: Health Cobenefits of Climate Mitigation Strategies -- Climate Change Impacts, Mitigation Strategies, and Cobenefits -- Conclusion -- Chapter 19: Mitigation: International Institutions and Global Governance -- The Climate Threat for Human Health -- Climate Change Governance -- UNFCCC and Health -- Beyond the UNFCCC Process -- Public Health Governance -- Clinical Correlations -- Disaster Relief/Migration: UN Office for the Coordination of Humanitarian Affairs -- Way Forward -- Conclusion -- Chapter 20: Climate Change and the Right to Health -- What Is the Right to Health? -- Climate Change and Its Impact on the Right to Health -- Human Rights-Based Approaches to Climate Change -- Conclusion -- Index -- End User License Agreement.

---