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Nota di contenuto	Part I. Burden of Disease, Health Equity and Social Determinants of Health -- Chapter 1. The Double Burden of CDs and NCDs in Developing Countries -- Chapter 2. The Alarming Increase of NCDs in the Arab -- Chapter 3. Health Inequity and Territorial Disparity -- Chapter 4. Social Determinants of Health in People with Diabetes in Four Countries of the Gulf -- Chapter 5. Socioeconomic Inequalities, Health Inequity and Territorial Disparity in Morocco -- Chapter 6. Under-Five Mortality in Sudan: Social Determinants and Health Equity -- Chapter 7. The Evidence Based Applied to Cancer Prevention -- Chapter 8. The Role of Environmental Health in Reducing Chronic or Non-communicable Diseases Through a Healthy Lifestyle: Case of Morocco -- Chapter 9. Overweight and Obesity Among Various Age Groups in North African Region: The Role of Physical Inactivity and Sedentary Behaviour as Key Contributing Factors -- Chapter 10. Challenges of Sustainable Development in Developing Countries -- Chapter 11. Health Equity: a Challenge of the 21st Century -- Part II.

Mathematical Modelling, Epidemiological Studies and Estimation of Direct and Indirect Cost of Diseases -- Chapter 12. A Review of Mathematical Models Used in Diabetology -- Chapter 13. Modelling for Growth Hormone, Beta-cells, Glucose, Insulin and FFA -- Chapter 14. : A Discrete Mathematical Model of Tumour Therapy -- Chapter 15. A Model of Dengue Fever: An Optimal Control Approach -- Chapter 16. Analysis of Data on Diabetes from the Gulf COAST Database -- Chapter 17. Statistical Analysis of Health in Arab Countries -- Chapter 18. Epidemiology and Cost of Diabetes in Arab Countries.

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### Sommario/riassunto

This book brings together two important discussions in public health in developing countries: an understanding of the burden of disease, health equity and social determinants of health; and biomathematical models, epidemiological studies and estimation of the direct and indirect cost of disease. The empirical chapters in the first part discuss aspects of disease prevention and health promotion in developing countries, with a particular focus on countries that are part of the World Health Organization's Eastern Mediterranean Region and the African Region. World. Health equity and social determinants of health constitute a cornerstone of this book, with the widespread recognition that addressing the social determinants of health is crucial not only for improving general health but importantly for reducing unfair and remediable health inequalities. Using mathematical models, epidemiological studies and statistical estimation of costs, the second part of this book shows the opportunities that exist for developing countries to prevent disease and promote health by adopting cost-effective strategies and cost-benefit analyses.

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