

1. Record Nr.	UNINA9910739446003321
Titolo	Epidemiology : principles and practical guidelines // Jan Van den Broeck and Jonathan R. Brestoff, editors
Pubbl/distr/stampa	New York, : Springer, 2013
ISBN	94-007-5989-4
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (621 p.)
Altri autori (Persone)	BroeckJan Van den BrestoffJonathan R
Disciplina	614.4
Soggetti	Epidemiology Epidemics
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	Preface -- Part I Introduction.- Definition and Scope of Epidemiology. - Basic Concepts in Epidemiology.- Roots and Future of Epidemiology -- Part II Study Design.- General Study Objectives -- The Specific Aims -- General Study Designs.- Study Size Planning. Sponsoring and Stakeholder Involvement.- The Recruitment and Enrollment Plan.- The Measurement Plan.- The Quality Assurance and Control Plan.- The Data Management Plan.- The Analysis Plan -- Ethics Support -- Part III Study Conduct.- Training and Study Preparations.- Managing the Informed Consent Process.- Accrual, Retention and Adherence. - Questionnaires.- Maintaining Data Integrity.- Data Cleaning.- Good Clinical Practice -- Part IV: Study Analysis.- Statistical Estimation. - Statistical Testing.- Statistical Modeling.- Systematic Reviews and Meta-analyses.- The Ethics of Study Analysis -- Part V Study Reporting. - Interpretation of Findings.- Scientific Writing.- Reporting Data Quality.- Dissemination to Stakeholders.- The Ethics of Study Reporting -- Bibliography -- Subject Index.
Sommario/riassunto	This textbook presents epidemiology in a practical manner, contextualized with discussions of theory and ethics, so that students and professionals from all academic backgrounds may develop a deep appreciation for how to conduct and interpret epidemiological research. Readers will develop skills to: · Search for and appraise literature critically · Develop important research questions · Design,

plan, and implement studies to address those questions · Develop proposals to obtain funding · Perform and interpret fundamental statistical estimations, tests, and models · Consider the ethical implications of all stages of research · Report findings in publications · Advocate for change in the public health setting

Epidemiology is and will remain a discipline in motion, and this textbook aims at reflecting this dynamism and keeping pace with its momentum. This textbook is not only a classroom tool with high utility but also an essential reference and guide for those engaging in research involving human subjects.
