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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Foreword""; ""Reference""; ""Preface""; ""Structure and Objective of This Book""; ""Acknowledgements""; ""Contents""; ""Contributors""; ""Part I: Context for Public Health Informatics""; ""Chapter 1: Introduction to Public Health Informatics""; ""Introducing Public Health Informatics""; "" Principles of Public Health""; ""History of Public Health""; "" Public Health Strata in the United States""; "" The Purpose of Public Health""; "" Public Healtha€?s Unique Challenges and the Promise of Public Health Informatics""; "" Principles of Public Health Informatics""; ""History and Background"" "" Challenges of Public Health Informatics"""" Change Is a Constant: The Future of Public Health Informatics""; ""Driver for Change: Health Reform""; "" Driver for Change: Advances in Information Technology""; "" Driver for Change: Big Data""; "" Driver: Disruptive Innovation""; "" Conclusion""; ""References""; ""Chapter 2: History and Significance of Information Systems and Public Health""; ""Introduction""; "" Data, Information, and Knowledge""; "" The Development of Counting and Counting Machines""; ""Development of Mechanical Counting Devices"" "" The Development of Modern Mechanical Measuring Devices"""" Stages in Development of Public Health Information Management Systems""; ""The Age of Observation""; "" The Age of Analysis""; "" The Origin of Modern Public Health Informatics""; ""The Cholera Outbreaks in

England"; "" Public Health Data Collection in the United States"; "" The Three Waves of Federal-State System Development"; ""The First Wave: Independent Systems Development"; "" The Second Wave: Federal Funding of State-Level Systems""  
""Fundamentals of the Policy Process in the United States""""  
Organization and Authority of the Legislative Branch"; "" Organization and Authority of the Executive Branch"; "" Private Sector Role in Policy Development and Implementation"; ""The Policy Environment for Public Health Informatics""; ""Health Insurance Portability and Accountability Act (HIPAA)""; "" National Electronic Disease Surveillance System (NEDSS) and the Health Alert Network (HAN)""; "" National Agenda for Public Health Informatics""; ""Office of the National Coordinator for Health Information Technology (ONC)""  
"" Current Policy Context for Public Health Informatics""

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#### Sommario/riassunto

This totally revised edition of a classic textbook covers the context and background of public health informatics, explores the technology and science underlying the field, discusses new challenges and emerging solutions, reviews many key public health information systems, and includes practical, case-based studies to guide the reader through the topic. The editors have expanded the text into new areas that have become hugely important since the original edition due to changing technologies and needs in the field, as well as updating and augmenting many of the original core tenets. It contains learning objectives, overviews, and review questions to assist readers to engage with this vast topic. The Editors and their team of well-known contributors have built upon the foundation established by the first edition and provided the reader with a comprehensive introduction to the subject of public health informatics. The breadth of material in Public Health Informatics and Information Systems, 2nd edition makes it suitable for both undergraduate and graduate coursework in public health informatics, enabling instructors to select chapters that best fit their students' needs.

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