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	Nota di contenuto	Public Health Informatics: an Introduction -- History of Public Health Information Systems and Informatics -- Public Health Informatics in the Larger Context of Biomedical and Health Informatics -- Governmental and Legislative Context for Informatics -- Role of Informatics in Bridging Public and Population Health -- Information Infrastructure to Support Public Health -- Data Sources and Data Tools: Preparing for the Open Data Ecosystem -- Public Health Information Standards -- Privacy and Confidentiality of Public Health Information -- Health Systems Security -- Electronic Health Records: Origination, Adoption, and Progression -- Public Health Analytics and Big Data -- Project Management and Public Health Informatics -- Informatics in Disease Prevention and Epidemiology -- Public Health Laboratories -- The US National Vital Statistics System -- Syndromic Surveillance – a Practical Application of Informatics -- New Means of Data Collection and

Accessibility -- Interoperability and Health Information Exchange for Public Health -- Geographic Information Systems -- Public Health Decision Support Systems -- Local and Regional Public Health Informatics -- Public Health Informatics and the American Indian/Alaska Native Populations: Improving Community Health Despite Challenges -- Advancing Informatics Policy and Practice: A State Perspective -- National Public Health Informatics, United States -- Perspectives on Global Public Health Informatics -- Improving immunization through informatics: Perspectives from the BID Initiative Partnership with Tanzania and Zambia -- Public Health Informatics: the Path Forward.

Sommario/riassunto	This 3rd edition of a classic textbook examines the context and background of public health informatics, explores the technology and science underlying the field, discusses 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 important since publication of the previous two editions due to changing technologies and needs in the field, as well as updating and augmenting much of the core content. The book contains learning objectives, overviews, future directions, 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 previous editions to provide the reader with a comprehensive and forward-looking review of public health informatics. The breadth of material in Public Health Informatics and Information Systems, 3rd 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.