Record Nr. UNINA9910143721203321 Disease surveillance [[electronic resource]]: a public health informatics **Titolo** approach / / edited by Joseph S. Lombardo, David L. Buckeridge Pubbl/distr/stampa Hoboken, N.J.,: Wiley-Interscience, c2007 **ISBN** 1-118-56905-9 1-280-85517-7 9786610855179 0-470-13188-8 0-470-13187-X 1 online resource (484 p.) Descrizione fisica Altri autori (Persone) LombardoJoseph S. <1946-> BuckeridgeDavid Llewellyn <1970-> Disciplina 362.1 614.4072 Soggetti Public health surveillance Medical informatics Electronic books. 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. DISEASE SURVEILLANCE: A Public Health Informatics Approach; Nota di contenuto Contents; Contributors; Preface; Acknowledgments; 1 Disease Surveillance, a Public Health Priority; 1.1 Introduction; 1.2 The Emerging Role of Informatics in Public Health Practice; 1.3 Early Use of Technology for Public Health Practice; 1.3.1 Early Use of Analytics, Visualization, and Communications: 1.3.2 Early Informatics Applications in Medicine & Public Health; 1.3.3 Public Health Records Archiving; 1.4 Guiding Principles for Development of Public Health **Applications** 1.5 Information Requirements for Automated Disease Surveillance 1.6 Historical Impact of Infectious Disease Outbreaks; 1.6.1 Smallpox; 1.6.2 Plague: 1.6.3 Spanish Influenza, 1918: 1.6.4 Influenza Pandemics after 1918; 1.7 Disease as a Weapon; 1.7.1 Bioterrorism; 1.8 Modern Disease Surveillance Applications; 1.8.1 Components of an Early Recognition Disease Surveillance System: 1.8.2 Modern Surveillance

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Sommario/riassunto

An up-to-date and comprehensive treatment of biosurveillance techniques With the worldwide awareness of bioterrorism and drugresistant infectious diseases, the need for surveillance systems to accurately detect emerging epidemicsis essential for maintaining global safety. Responding to these issues, Disease Surveillance brings together fifteen eminent researchers in the fields of medicine, epidemiology, biostatistics, and medical informatics to define the necessary elements of an effective disease surveillance program, including research, development, implementation, and operations. The sur