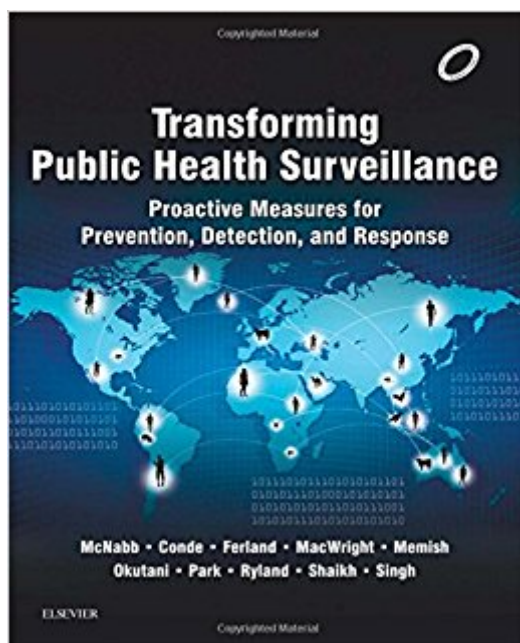


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# Transforming Public Health Surveillance: Proactive Measures For Prevention, Detection, And Response, 1e



## Synopsis

Public Health Surveillance (PHS) is of primary importance in this era of emerging health threats like ebola, MERS-CoV, influenza, natural and man-made disasters, and non-communicable diseases. Transforming Public Health Surveillance is a forward-looking, topical, and up-to-date overview of the issues and solutions facing PHS. It describes the realities of the gaps and impediments to efficient and effective PHS, while presenting a vision for its possibilities and promises in the 21st century. The book gives a roadmap to the goal of public health information being available, when it is needed and where it is needed. Led by Professor Scott McNabb, an international team of the top-notch public health experts from academia, government, and non-governmental organizations provides the most complete and current update on this core area of public health practice in a decade in 31 chapters. This includes the key roles PHS plays in achieving the global health security agenda and health equity. The authors provide a global perspective for students and professionals in public health. Five case studies aid the understanding of the context for the lessons of the book, and a comprehensive glossary, questions, bullet points, and learning objectives make this book an excellent tool for the classroom. Describes lessons learned in international health crises, the context and development of existing governance documents guiding public health surveillance in the light of global health security concerns, and provides advice on how to construct a modern framework to provide efficient, effective, and equitable global response Describes enriched collaborations between military, clinical practice, societies, communities, and governmental and non-governmental organizations and discusses challenges and opportunities Describes informatics approaches to enable and support data sharing, analytics, and visualization through interoperability that will adapt to meet the challenges of the changing field of public health surveillance Discusses challenges of modern public health surveillance, and discusses potential solutions, and actions and ideas for the way forward Describes how transformed surveillance systems can contribute to better monitoring and guiding of the post 2015 development goals and can further progress the universal goal of health equity Includes five case studies exploring the lessons of the book under different contexts including Antimicrobial Resistance, MERS-CoV, Pandemic Influenza, Refugee Surveillance, and Measles

Table of Contents: 1. Past Contributions to Public Health Surveillance 2. CDC Perspectives and Strategy on Emerging Public Health Surveillance Issues and Opportunities 3. Models of Public Health Surveillance 4. Integrated Versus Vertical Public Health Surveillance 5. Reactive Versus Proactive Public Health Surveillance 6. New Public Health Surveillance Evaluation Model 7. New Matrix for Evaluation of Public Health Surveillance 8. Economics of Public Health Surveillance 9. Supply and Demand of the Public Health Workforce

10. Policies, Standards, and Best Practices for Public Health Surveillance 11. Keeping Our World Safe by Integrating Public Health and Global Security 12. Smart Governance of Public Health Surveillance 13. Achieving the Right Balance in Governance of Public Health Surveillance 14. One Health in the 21st Century 15. Collaboration for a Biosurveillance 16. Contributions of Military Public Health Surveillance to Global Public Health Security 17. Nonprofit Associations and Cultivating Collaboration to Advance Public Health Surveillance 18. Linking Clinical Medicine Data with Public Health Surveillance for Mutual Benefit 19. Engaging Communities to Transform Public Health Surveillance 20. Art and Science of Interoperability to Create Connections 21. Data Storms are Growing, Everywhere, and Have to Work Together 22. Surveillance Informatics Builds and Ecosystem for Transformation 23. The Human Interaction Required for Visualizing and Manipulating Information 24. Necessary Challenge of Verifying and Validating Public Health Data 25. Public Health Modeling and Data Mining 26. Using Genetic Sequence Data for Public Health Surveillance 27. New Approaches to Analyzing Public Health Data 28. Applied Interdisciplinary Translational Research in Public Health Surveillance 29. Transforming Public Health Surveillance to Measure Progress Towards Health and Equity Through the Millennium Development Goals 30. Research and Innovations Guiding Public Health Surveillance in the 21st Century 31. Improving Health Equity and Sustainability by Transforming Public Health Surveillance

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