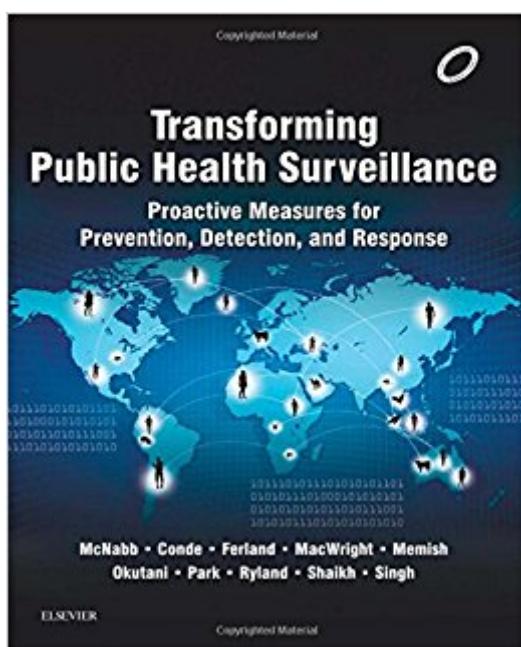


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# Transforming Public Health Surveillance: Proactive Measures For Prevention, Detection, And Response, 1e



## 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. Describes 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.

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