

Special Issue

Big Data in Public Health: Challenges and Opportunities

Message from the Guest Editor

Big data is one element that has consistently helped to achieve public health goals through its ability to deliver to practitioners a variety of structured or unstructured data not previously possible. Big data has enabled more widespread and specific research and trials of stratifying and segmenting populations at risk for a variety of health problems. The challenges and opportunities for big data in public health in modern society are more complex and diverse than in the past. There are many ways to predict and analyze the phenomena. The current era of the fourth industrial revolution is experiencing innovative changes as cutting-edge information and communications technology are incorporated into all areas of the economy and society, for example, big data, artificial intelligence (AI), the Internet of Things, and mobile technology. Researchers play a very important role in this process. They create or assemble high-quality data that can be used to train machine-learning systems, find machine-learning algorithms that are suitable for the data, and perform modeling. This Special Issue will introduce the challenges and opportunities in big data in public health.

Guest Editor

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

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