

## Special Issue

# Big Data for the Advancement of Health Equity

### Message from the Guest Editor

Research harnessing expansive and relatively untapped big data resources, including social media data, health insurance claims, medical records, Google street view images, police and court records, video surveillance, banking, and land use reports, explores an under-used source of data for the purposes of improving public health. Big data resources can be used to collect timely information to complement traditional data sources such as clinical trials or observational cohort studies, which are expensive, may include less diverse study participants, may be geographically restricted, and may involve a substantial delay between when the data are collected and when they become available for researchers. Big data can be used to answer a host of critical research questions related to health equity based on race, social class, and sexual orientation, across and within nations. This includes research to document existing health inequities, research to investigate the drivers of health inequities such as racism, as well as interventions to reduce these health inequities. We invite submissions covering any of these areas related to the use of big data to advance health equity.

### Guest Editor

Dr. Thu T. Nguyen

Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland, College Park, MD 20742, USA

### Deadline for manuscript submissions

closed (30 November 2022)



## International Journal of Environmental Research and Public Health

an Open Access Journal  
by MDPI

CiteScore 8.5  
Indexed in PubMed



[mdpi.com/si/74219](https://mdpi.com/si/74219)

*International Journal of  
Environmental Research and  
Public Health*

Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijerph@mdpi.com](mailto:ijerph@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[ijerph](https://ijerph)





# International Journal of Environmental Research and Public Health

---

an Open Access Journal  
by MDPI

---

CiteScore 8.5  
Indexed in PubMed



[mdpi.com/journal/  
ijerph](https://mdpi.com/journal/ijerph)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Paul R. Ward

School of Society and Culture, Adelaide University, Adelaide 5001,  
Australia

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q1 (Public Health, Environmental and Occupational Health)