

Scientific Workshop 6

Using Health-Related Databases for Research: Introduction for Absolute Beginners to Use Big Data

Date & Time: 2024/11/7 9:00-10:30

Venue: Venue 9 (2F 206)

Estimated capacity: 30

Lecturer:

Kaori Yamaguchi (Department of Health and Welfare Services, National Institute of Public Health, Japan /Japanese Society of International Rehabilitation)

Phyo Thant Maw (Daina Rehabili-Clinic, Daina medical corporation)

Makoto Kono (School of Health Sciences at Odawara, International University of Health and Welfare/ Japanese Society of International Rehabilitation)

Akane Katsuda (Himeji Dokkyo University)

Kiyoshi Ishii (International University of Health and Welfare)

Learning Objectives

This workshop aims to enable participants to 1) Learn about the significance and global trends in the use of health-related databases in research, and 2) Learn the rudiments of research methods using databases through simple practice.

Outline

Using health-related databases (e.g., big data, real-world data, census data) for research has been globally promoted (WHO, 2008; MHLW, 2017) and is expected to contribute to developing evidence. That also could be beneficial in the field of occupational therapy.

The workshop consists of a lecture and group work. The title of the lecture is "Introduction to research using health-related databases in Japan", which includes global trends of using databases for research and its example in Japan. Regarding group work, we prepare materials with available data on several countries in advance. All groups select countries and variables from the prepared materials according to their interests. After organizers provide them with the results of simple analyses of each group's selected data (e.g., simple aggregation, correlation), group members discuss the result. After discussion, all or some groups make presentations about their work. There would be 5-6 persons per group.

We assume beginners in this area to be participants. Any beginners who are interested in using databases are welcome.