

## **Data analysis and interpretation for health professionals**

Sucre, Bolivia - 2015

The workshop "Data Analysis and Interpretation" for Health professionals was one of the projects funded through the Network funds 2015 of the Center for International Health, Ludwig Maximilians University. The workshop was aimed at health professionals working in health services of the public or private sector, training centers for health professionals, health providers, and institutions with research activities. It aims to strengthen the capacities of statistical analysis of the information produced for the continuous improvement of public health programs, epidemiological surveillance systems, and research that support public health decisions.

The workshop was developed during five months, with face-to-face meetings and with virtual support (Moodle), and had a total workload of 100 academic hours distributed in five modules: 1) basic principles of quantitative research; 2) design of instruments and construction of databases; 3) descriptive statistics; 4) inferential statistics (up to multiple logistic regression models) and; 5) results reporting. Participation was limited to 30 professionals.

Collaborative learning processes were considered, including teaching methods as problem-based learning, group work, panel discussion, and practical classes, especially for the management of the EpiInfo statistical program.

The development of the workshop was evaluated positively, mainly due to the personalized support, and an important practical component for the entire development of the investigative process, from the elaboration of the protocol, the design of instruments, and the use of the EpiInfo for the analysis. Unfortunately, due to the workload of the participants, especially those working in the public sector, there were delays in the fulfillment of activities and difficulties in managing virtual platforms.

The training of health professionals is framed considered one of the World Health Organization priorities, the United Nations post-2015 Agenda and the UNESCO "Post-2015 Education" Agenda. The workshop had the institutional support of the Regional Health Service (SEDES Chuquisaca), the Regional Medical College and the Bolivian Society of Public Health — Chuquisaca, and the Center for International Health of the Ludwig Maximilians Universität (CIH<sup>LMU</sup>). It was an excellent example of collaborative activities at the local and international level.

The CIH<sup>LMU</sup> is funded by the German Federal Ministry for Economic Cooperation and Development (BMZ), the German Academic Exchange Service (DAAD), through the Center for International Health of the Ludwig Maximilians Universität (CIH<sup>LMU</sup>), one of the five centers of excellence within the EXCEED initiative.

Photo 1: Welcome dynamic in the first face-to-face meeting



Photo 2: Face-to-face meeting, Module I

