

STSM visit “Determining the metrics, models and measurements for large scale testing of innovative health care system”

Researcher prof. dr. Dalia Kriksciuniene from Vilnius University, Lithuania was visiting Voivodeship Rehabilitation Hospital for Children in Ameryka, Poland during the period of 12/01/2018 to 21/01/2018. The STSM visit was hosted and supervised by the CEO of the hospital Dr. Eng. Roman Lewandowski.

The visit was targeted to pursuing main objectives of the WG3 of the COST action: 1) to define the key evaluation criteria that are necessary to evaluate large scale testing of new health care systems that set out to reduce costs while maintaining quality of care and 2) to determine the accompanying metrics, models and measurements that will need to be developed and used for these evaluations.

During the STSM prof. Dalia Kriksciuniene was awarded a possibility to get acquainted to the facilities, activities and medical care processes carried out at the host institution. The in-depth information was investigated about the rehabilitation procedures, their organization from the perspectives of the patient types, treatment procedures selection, and state financing requirement framework. The treatment outcome evaluation practices, and the possible measures and metrics for characterizing efficiency of the institution processes were discussed.

The fruitful discussion and brainstorming for application of Lab concept was held, including the possibilities to acquire data for measuring its efficiency were among the main discussion topics as well.

The host institution has great experience of collecting and consistent analysis of patient care survey report data since 2003. The possibilities for data extraction for analysis of the performance of the hospital have been analysed from the perspectives of exploring the interrelationships and influences of the managerial change and outcomes of patient reporting. Different intelligent computation methods and efficiency analysis models which could utilise the expertise of prof. Dalia Kriksciuniene and the research questions and possible outcomes of extensive investigation of the data from the efficiency evaluation perspectives were explored and tested. The translation from Polish and data set formation procedures were put into process, in order to prepare for the joint research, experimental modelling and potential publication of joint articles.