

SHORT TERM SCIENTIFIC MISSION (STSM) SCIENTIFIC REPORT

This report is submitted for approval by the STSM applicant to the STSM coordinator

Action number: CA 15222

STSM title: Supporting Innovative Person Centred Care in shared decision making

STSM start and end date: 11/11/2018 to 17/11/2018

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PURPOSE OF THE STSM:

Medical decision support tools can play a useful role in the shared decision making process in the person-centred care framework. Exploring possibility to use the multi-criteria tools that can be used to promote shared decision-making and enhance health care professionals-person (patient) communication. Health care professionals and patients are supported to deliberate and express their preferences and views during the decision making process. Using the Analytic Hierarchy Process (AHP), it would be possible to develop an evaluation model capable to evaluate criteria of innovative health care system, comparing to the current practice.

Purpose of this STSM was evaluation of AHP tool for identification the differences in values and preferences of person's effect on medical decision, because we know that in many cases the decision priorities of doctors and patients differ.

Also, using of multicriteria tools may be helpful to select appropriate quality metrics in health promotion and person centered care (colaboration between two sub-groups within WG3- Quality and Information Technology).

DESCRIPTION OF WORK CARRIED OUT DURING THE STSM

Institute of Social Sciences and Applied Informatics at Vilnius University has great experience in implementation multi-criteria methods in health care system.

First part of STSM was dedicated to the training about Analytic Hierarchy Process (AHP). The AHP frames a decision as a hierarchy; all inputs consist of comparisons between just two decision elements at a time; pairwise comparisons like these are generally considered to be one of the best ways to elicit judgments from person(s) and health care professionals. We considered a built-in measure of the consistency of the judgments being made which both checks the reliability of the analysis and reduces the chance of making a procedural mistake. To illustrate the process, we simulated that a decision needs to be made about which of 3 pharmacotherapies – A, B, or C – is the best option for initial treatment of a chronic medical condition.

The second part of STSM was discussion of conceptual evaluation model capable to evaluate

criteria of person-centered care system, based on shared decision making. We considered the other possible situations of person-centered care environment when share-decision making is applicable, in the Test labs:

- Choosing the best therapeutic plan
- Choosing the best screening procedure
- Choosing the best rehabilitation procedure

The third part of the STSM was dedicated to the current status of activities of WG3. We discussed “IF-THAN approach” and found out the intersection points of two sub-groups: Quality and Information Technology.

DESCRIPTION OF THE MAIN RESULTS OBTAINED

Analytic Hierarchy Process (AHP) tool is convenient for share-decision making process in the person-centered care framework. The AHP promotes shared decision making by creating a framework that is used to define the decision, summarize the information available, prioritize information needs, elicit preferences and values, and foster meaningful communication among decision stakeholders.

Simulating the share decision making process through AHP, we confirmed applicability of the method in potential Test lab.

The intersection points of Information Technology and Quality were identified in terms that Information Technology (ex. development of mobile applications, telemedicine, statistical tools...) can improve quality of health care outcomes: Clinical, Humanistic and Economic.

FUTURE COLLABORATIONS (if applicable)

Design of the study within the WG3 (*Implementing of Person- Centered Care and Share-Decision Making to Support Innovative Care systems*) among 3 partner countries: Lithuania, Serbia and Poland.

Publication in the relevant scientific journal is also planned.