



Lighthouse Project Hand ICF Implementation

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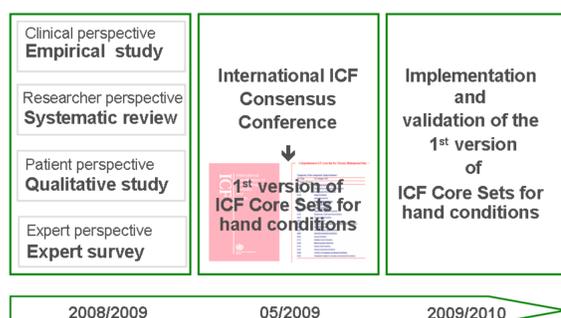
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Abstract This poster reports on the rationale and project outline of the project "Implementation and use of the ICF Core Sets for hand conditions in clinical practice, rehabilitation and research: Lighthouse Project Hand" which started in 2012. The aim of this project is to operationalize, implement and use the ICF Core Sets for hand conditions as a monitoring tool in the rehabilitation of persons with hand conditions in the institutions of the statutory accident insurance in Germany.

Introduction

In 2009, the formal consensus process that integrated evidence from four preparatory studies and expert appraisal at the consensus conference¹ led to the formal adoption of a first version of ICF Core Sets for hand conditions:

- (1) a **Brief ICF Core Set** as a minimal standard to describe functioning and
- (2) a **Comprehensive ICF Core Set** covering all aspects of functioning potentially relevant to individuals with hand conditions.



In 2010, the validation process of these ICF Core Sets was finalized and the revised versions of the ICF Core Sets for hand conditions were adopted.

To implement the ICF Core Sets in clinical practice and research, the project "**Implementation and use of the ICF Core Sets for hand conditions in clinical practice, rehabilitation and research: Lighthouse Project Hand**" was started in 2012.



It is a cooperation project between the German Social Accident Insurance (DGUV), the Department of Hand Surgery, Plastic- and Microsurgery, Burns Unit, BG Trauma Hospital Hamburg (BUKH), and the Chair for Public Health and Health Services Research, Ludwig-Maximilians-University (LMU) Munich.

Methods & Materials

The **aim** of the project is to operationalize, implement and use the ICF Core Sets for hand conditions as a monitoring tool in clinical practice and rehabilitation of persons with hand conditions as well as in health research, statistics and documentation.

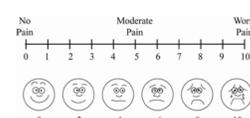
The following **methods** are used:

- (1) literature reviews and an expert survey to identify adequate assessment instruments to operationalize the ICF categories of the ICF Core Set for hand conditions

Brief ICF Core Set for Hand Conditions

ICF code	Title
b152	Emotional functions
b265	Touch function
b279	Sensory functions related to temperature and other stimuli
b289	Sensation of pain
b719	Mobility of joint functions
b715	Stability of joint functions
b730	Muscle power functions
s129	Control of voluntary movement functions
s128	Protective functions of the skin
s129	Splinal cord and related structures

Defining assessment instruments



- (2) a cross-sectional multicenter study to develop indices and scores for assessing functioning

Brief ICF Core Set for Hand Conditions

ICF code	Title	Score
b152	Emotional functions	4
b265	Touch function	5
b279	Sensory functions related to temperature and other stimuli	5
b289	Sensation of pain	5
b719	Mobility of joint functions	4
b715	Stability of joint functions	5
b730	Muscle power functions	6
s129	Control of voluntary movement functions	6
s128	Protective functions of the skin	2
s129	Splinal cord and related structures	2

Functioning index

Developing indices and scores

- (3) a decision-making process to develop treatment guidelines
- (4) a longitudinal multicenter study to implement and evaluate these indices and scores as well as the treatment guidelines in clinical practice.

Results

Within the Lighthouse Project Hand we will ...

- (1) use the ICF as a basis for communication among...
 - health professionals involved in the treatment and rehabilitation of patients with hand conditions along the continuum of care
 - researchers and health scientists in the field of hand conditions
 - medical document specialists and statisticians
 - rehabilitation managers
 - members of (health) insurance companies and services
- (2) develop ICF-based instruments and treatment guidelines for clinical practice in institutions of the statutory accident insurance in Germany along the continuum of care from the acute phase to the (re-)integration into work
- (3) implement ICF-based documentation modules to improve communication among hospitals, clinical departments and the statutory accident insurance institutions
- (4) develop teaching materials, manuals and an (e-)learning tool for clinical practice and research.

Conclusions

The Lighthouse Project Hand is the first project aiming to develop and implement ICF-based instruments, documentation forms and treatment guidelines along the continuum of care. It will be the case in point for the institutions of the statutory accident insurance in Germany to implement the ICF in clinical practice, documentation, health statistics and clinical research of other health conditions.

¹ The project to develop the *ICF Core Sets for hand conditions* was a cooperative effort of (1) the German Social Accident Insurance, (2) the Institution for Statutory Accident Insurance and Prevention in the Health and Welfare Services (BGW) (Germany) and (3) the Institute for Health and Rehabilitation Sciences at Ludwig-Maximilian University (LMU) Munich (Germany) (now: Department of Medical Informatics, Biometry and Epidemiology – IBE).