





An Abstraction Layer for Assessments in Physiotherapy – The Brandenburg Patient Profile for Health Services Research

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Problem

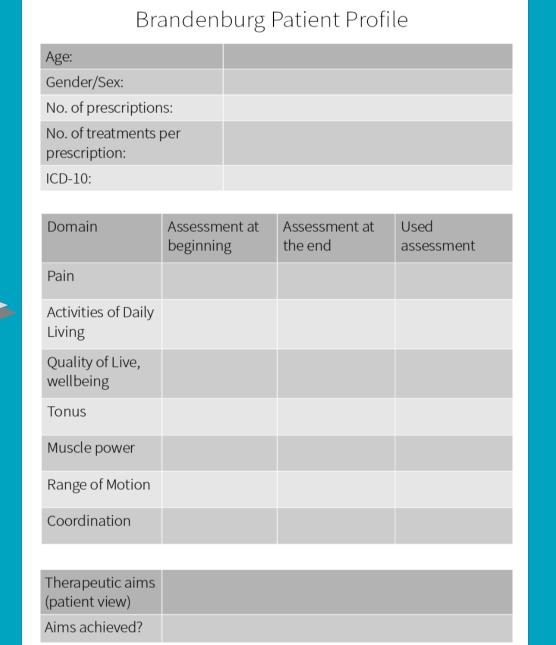
There is a great need to establish measurements and methods for analyzing the effects of physiotherapy under the conditions of Health Services research. This requires a follow up of many patients in hospitals as well as in ambulant services to proof the potency of physiotherapeutic interventions. There is a great variety of assessments for detecting any kind of specific changes but it seems to be very difficult to find out if these changes have a positive impact on the daily routine of the patient.

Solution

Delphi-Method: 25 physiotherapists

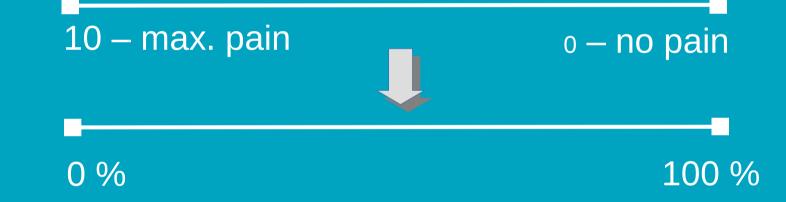
What are the general aims of physiotherapeutic interventions?

- Reduction of pain
- Improvement of daily activities
- Improvement of quality of life
- Improvement of tone
- Improvement of muscle power
- Improvement of range of motion
- Improvement of coordination



Examples of normalisation transformation

Pain-Scale: Numeric Rate Scale

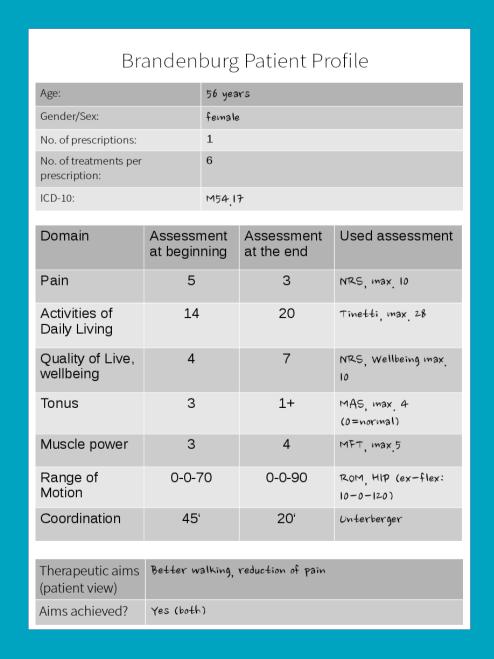


Range of Motion: e.g. hip ext/flex 10-0-130°

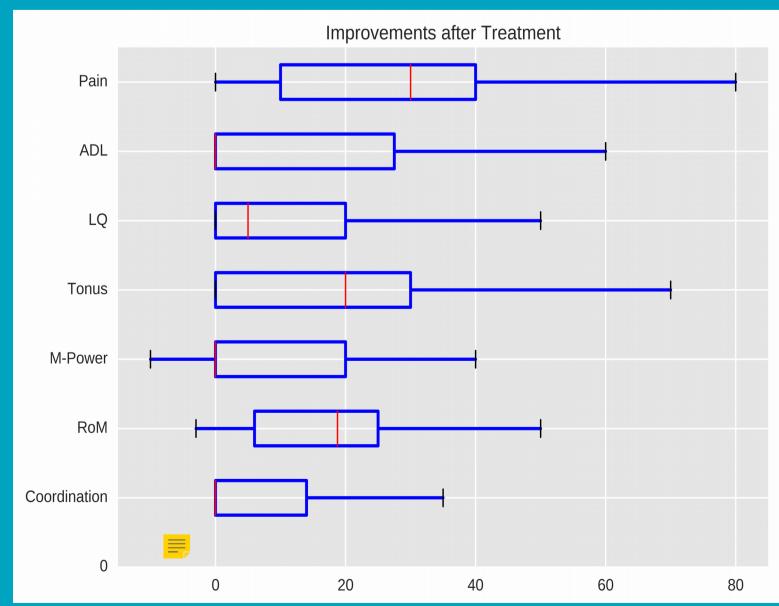
10 + 130 = 140 = 100%

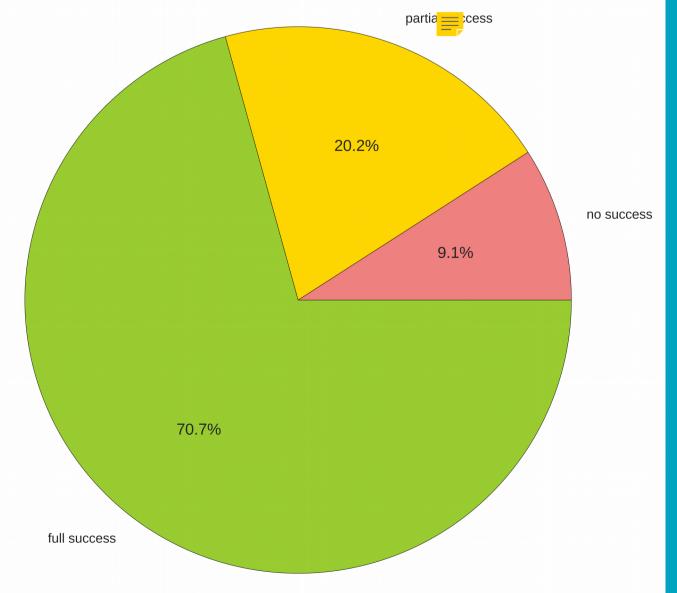
To use this Patient Profile we developed a survey including information about the ICD-10 Code, age, sex, amount of therapeutic intervention interventions and the aim of therapeutic intervention from patient's viewpoint. The physiotherapist uses specific assessments at the beginning and at the end of a therapy.

Study



Collection of 99 surveys about the treatment (from hospital, rehabilitation center and ambulant services).





Evaluation of data:

- Distribution of improvements
- Distribution of treated diseases
- Relation of diseases/ problems
- Relation of diseases/satifaction

The usage of BPP allows a broader analysis and an easier monitoring of physiotherapeutic treatment in hospital and ambulant services. This helps to proof not only the effects but also the success and misses in physiotherapy.