Module 1: An Introduction to Measurement in Rehabilitation Practice



Course Objectives, continued

- 4. Critically evaluate measurement properties of existing outcome measures for application in clinical practice, including validity, reliability, responsiveness, and clinical utility.
- 5. Identify strategies to facilitate the use of outcome measures in clinical practice.
- 6. Identify strategies to overcome common barriers to implementing outcome measurement in clinical practice.
- 7. Effectively sustain outcome measurement use across his or her practice, and across practice sites or programs.



Module 1

Introduction: Why Measure?

Objective 1: Classification Systems

Module 2

Objective 2: Interpret and document outcomes in clinical practice

Objective 3: Facilitate skills to access web-based databases and to select measures

Module 3

Objective 4: Measurement properties

Module 4

Objective 5: Strategies to facilitate use of measures

Objective 6: Strategies to identify and overcome barriers

Objective 7: Sustaining measurement in practice



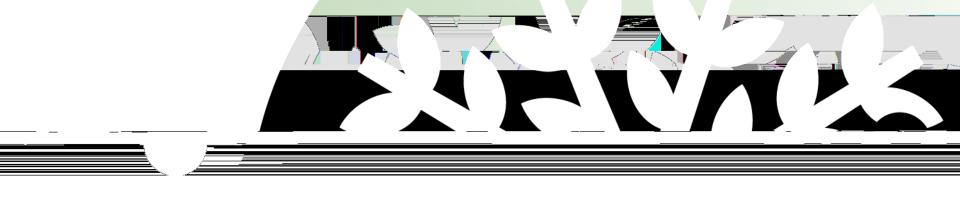
Module I: Introduction

- 1. Definitions
- 2. Benefits of measurement
- 3. Barriers to measurement
- 4. Outcomes classification system (ICF)

1. Definitions

- What is an outcome?
 - A measurable individual, family, or community state, behavior or perception that is measured along a continuum and is responsive to clinical interventions.
- What is an outcome measure?

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2. Benefits of Outcome Measurement

	Individual	Group/ Organization
Health Professionals	Clinical Decisions & Competence	Accountability
Colleagues/ Referral Sources	Communication	Efficiency
Patients	Communication & Engagement	Effectiveness
Insurers/Payers	Communication & Claim decisions	Value
Scientists		

Facilitators of Outcome Measurement

Individual Practioners

- Positive attitude: to measurement and change, convinced of benefits
- Flexibility: room for personal considerations
- Practicality: immediacy, negotiate with insurers, quality improvement
- Consistency of treatment

External

- Access to resources about a range of measures
- Support: from colleagues (opinion leaders) and organization
- Guidance in selection, administration, scoring, and interpretation

(Swinkels 2011, Jette 2009, Finch 2002, Kay 2001, Cole 1994)

3. Barriers to Outcome Measurement

- Time: to search, administer, score, interpret
- Knowledge: to select, interpret
- Resources too few available, too many to choose, difficult to set up, equipment required, unclear instructions, difficult to interpret
- Competence: education, routine, experience
- Attitude: belief that outcome measures are unnecessary, skepticism, feeling overwhelmed, lack confidence in use

Organizational

- Time and Cost: investment required, no compensation
- Policy: no policy, poor adherence/compliance
- Culture: congruence/conflict at micro and macro levels
- Lack of consensus: No guidance from professional or advocacy groups

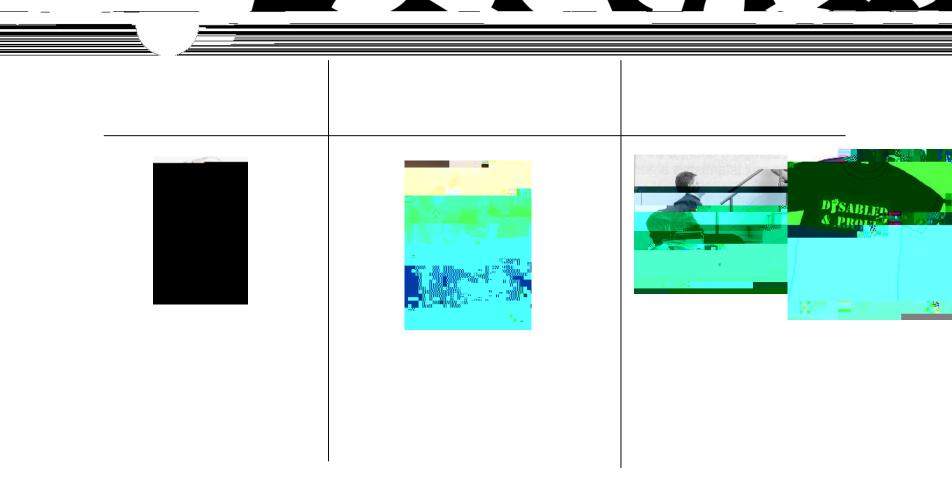
(Swinkels 2011, Jette 2009, Finch 2002, Kay 2001, Cole 1994)

4. Outcomes Classification System

International Classification of Functioning, Disability and Health



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Interactions among ICF Components

Body Functions and Structures

Body Functions

- Chapter 1 Mental Functions
- Chapter 2 Sensory Functions and Pain
- Chapter 3 Voice and Speech Functions
- Chapter 4 Functions of the Cardiovascular, Hematological, Immunological and Respiratory Systems
- Chapter 5 Functions of the Digestive, Metabolic, and Endocrine Systems
- Chapter 6 Genitourinary and Reproductive Functions
- Chapter 7 Neuromusculoskeletal and Movement-related Functions
- Chapter 8 Functions of the Skin and Related Structures

Body Structures

- Chapter 1 Structures of the Nervous System
- Chapter 2 The Eye, Ear and Related Structures
- Chapter 3 Structures Involved in Voice and Speech
- Chapter 4 Structures of the Cardiovascular, Immunological and Respiratory Systems
- Chapter 5 Structures Related to the Digestive, Metabolic, and Endocrine Systems
- Chapter 6 Structures Related to the Genitourinary and Reproductive Systems
- Chapter 7 Structures Related to Movement
- Chapter 8 Skin and Related Structures



Activities and Participation

Activities and Participation

- Chapter 1 Learning and Applying Knowledge
- Chapter 2 General Tasks and Demands
- Chapter 3 Communication
- Chapter 4 Mobility
- Chapter 5 Self-care
- Chapter 6 Domestic life
- Chapter 7 Interpersonal Interactions and Relationships
- Chapter 8 Major Life Areas
- Chapter 9 Community, Social and Civic Life



Outcome Measures Across the ICF

- Outcome measures exist across the ICF levels
 - This enables health care professionals to quantify the various ways a health condition impacts an individual and assures a comprehensive approach to patient care

- Body function and structure
 - Mini Mental Status Examination: a screening tool for cognition
- Activity
 - Functional Independence Measure: used in inpatient rehabilitation facilities to measure a variety of functional tasks and capabilities



- What is an outcome measure?
- Why measure patient characteristics using standardized outcome instruments?
- What are the benefits of outcome measurement using standardized instruments?
- What are some barriers to outcome measurement?
- What facilitates outcome measurement?
- What classification systems are available to guide thinking about outcomes?



Questions and Discussion





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