Introducing Rehabilitation Outcome Measures

KFLA Outcome Measures Workshop

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Introducing Outcome Measures - Outline

What is an Outcome Measure?
Considerations for Use
Why use Outcomes Measures?
Best Practice Recommendations
National Consensus Panel
What is an Outcome Measure?
What is an Outcome Measure?

- A standardized assessment tool
- Can also be a screening tool
- Researched to have good measurement properties
- Designed to measure a particular domain or aspect of function
Considerations for use of Outcome Measures
Considerations for use: Measurement Properties

- **Reliable** – consistent test-retest, inter-rater and intra-rater reliability across measurements and across users

- **Valid** – has been researched to show that this tool really measures what you think it is measuring

- **Responsive to change** - in what context
  - NB - Floor or ceiling effects – clinically relevant change may occur above or below the ability of the instrument to detect that change.

- **Predictive ability**

- **Clinically meaningful**
Considerations for use: Feasibility and Context

- **Feasibility**
  - Time to administer
  - Training required
  - Equipment needed
  - Cost
  - How often will you be able to administer the measure? e.g. at admission, at discharge, periodically?

- **Why are you using it, what is the context?**
  - What part of care continuum?; across care continuum?
  - Triage?; Clinical treatment planning?; monitoring or predicting outcome?
  - For interprofessional or intersectoral communication?
  - Who else is using it?
  - For research?
Why use 
Outcome 
Measures?
How are Outcome Measures used?

- to **screen and triage** to various aspects of care
  
  (e.g. screen for a swallowing or mood disorder; access - triage to inpatient or outpatient rehabilitation)

- **to objectively assess and to guide clinical practice**
  
  (e.g. does this person have language deficits, perceptual deficits, balance deficits that require treatment?...what is the extent of the deficit?)

- **to objectively monitor progress in one individual**

- **to communicate** assessment findings in an objective manner using standardized scores
How are Outcome Measures used?

- to promote **interprofessional collaboration** - understanding of roles, trust and respect
- to **compare progress between individuals, groups, across sites**
- to **predict** outcomes; assist in planning care
- to **standardize measurement of research outcomes**
2010 Canadian Best Practice Recommendations for Stroke Care

www.strokebestpractices.ca
Clinicians should use standardized, valid assessment tools to evaluate the patient’s stroke related impairments and functional status.
Measuring the Outcomes of Stroke Rehabilitation

Results of a Canadian Stroke Strategy/Heart and Stroke Foundation National Consensus Panel
Objective of the Consensus Panel

“To prioritize a set of outcome measures in the various domains of the International Classification of Functioning that could be used to evaluate the outcomes of stroke rehabilitation in Canada.”
International Classification of Functioning - Domains

(Health condition)

Body Functions & Structure

Activity

Participation

Environmental Factors

Personal Factors

WHO International Classification of Functioning and Disability, ICF
(International Classification of Impairments, Disabilities and Handicaps, ICIDH)
National Survey: What measures are Canadian Clinicians using?

- Nicol Korner Bitensky et al surveyed about 1800 rehabilitation clinicians in Canada by telephone.
- Asked to answer scenarios concerning typical stroke patients.
- Asked about what measures they used.
Most common:
Berg Balance Scale
Most common:
- Boston Diagnostic Aphasia exam
- Boston Naming Test
- Western Aphasia Battery
OT Use of Visual Perception Assessments

Most common: OSOT MVPT

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Summary of National Survey

- Inconsistent use of measures
- Frequently used only at admission and not at discharge
- Not necessarily using measures tested for responsiveness
National Consensus Panel
Recommended Measures

See table
handout in your package

Listing of Recommended Outcome Measures by Domains
Outcome Measures are a part of Best Practice across the Continuum of Care

Community Stroke Survivor and Family Health Care Team

Outcome Measures can promote Interprofessional and Intersectoral collaboration
Useful Websites

- StrokEngine
  [http://strokengine.ca](http://strokengine.ca) - See StrokEngine - Assess

- Evidence Based Review of Stroke Rehabilitation
  [www.ebrsr.com](http://www.ebrsr.com)

- 2010 Canadian Best Practice Recommendations for Stroke Care
  [www.strokebestpractices.ca](http://www.strokebestpractices.ca)

- All these can be found via:
  [www.strokenetworkseo.ca](http://www.strokenetworkseo.ca)

- NOTE: New provincial website:
  [www.ontariostrokenetwork.ca](http://www.ontariostrokenetwork.ca)
Thank you!
Questions?