**Development of a Knowledge Translation Tool:  
The Rehabilitation Measures Database**

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October 31, 2013

Text version of PowerPoint™ presentation for SEDL’s Center on Knowledge Translation for Disability and Rehabilitation Research online conference Knowledge Translation Measurement: Concepts, Strategies and Tools. Conference information: [www.ktdrr.org/conference](http://www.ktdrr.org/conference)

Slide template: Blue bar at top with the words on the left side: Knowledge Translation Measurement: Concepts, Strategies, and Tools. Hosted by SEDL’s Center on Knowledge Translation for Disability and Rehabilitation Research (KTDRR).  On the right side, the words: An online conference for NIDRR Grantees.

Slide 1: (Title) Development of a Knowledge Translation Tool:  
The Rehabilitation Measures Database

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Slide 2: Overview of Presentation

**Description**

Development

Utilization

Sustainability

Slide 3: Objectives

1) Enhance translation of research to clinical practice:

* + Increase the availability of free measurement resources
  + Free, web-based, searchable, and specifically designed for rehabilitation providers
  + Concise summaries with psychometrics, clinical utility, link to instruments

2) Provide education on measurement of outcomes in individuals undergoing rehabilitation :

* + Free online webinars
  + Entry-level student & practicing clinician curriculum on measurement
  + Low cost CEU course in 2014
  + Information provided on the education page at www.rehabmeasures.org

Slide 4: Description

* Over 200 instrument summaries indexed:
  + Two peer reviewers
  + Updated every three years
  + Summaries include:
  + Reliability and validity data
  + Normative values
  + Indices of change
  + Sensitivity, ceiling and floor effects
  + Clinical utility
  + Link to the data collection form and administration instructions when available

Slide 5: Overview of Presentation

Description

**Development**

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Slide 6: RMD Development Timeline

Table with two columns. Columns 1- **Tasks**, Column 2 **Months**

RMD Development:

Conduct focus groups 1-2 months

Analyze focus group data 3-4 months

Website design 5-13 months

Development of initial instrument summaries 6-13 months

Beta-Test website 13-17 months

Revise website 18-22 months

Launch website 22-25 months

RMD Sustainability:

Monitor utilization 22-45 months (ongoing)

Secure financial resources 22-45 months (ongoing)

Develop collaboration 25-45 months (ongoing)

Slide 7- Screen shot of the Rehabilitation Measures Database’s Home page

Top of slide registration for a free RRF webinar: “Demystifying Rasch Analyses for Clinical Application” Register for the free 2013 RRF webinar Click here to reserve your place…”

Picture of Database search menus- area of assessment, diagnosis, length of test, and cost.

Slide 8: Database Content

* Stroke
* Spinal cord injury
* Brain injury
* Geriatric Rehabilitation (RRF Grant)
* Multiple Sclerosis (APTA collaboration)
* Parkinson's Disease (APTA collaboration)
* Vestibular Impairment (APTA collaboration)
* Spinal Stenosis
* AND MANY MORE!!!

Slide 9: Overview of Presentation

Description

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**Utilization**

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Slide 10: Google Analytics: Total Visits to Date

* 1,926,577 page views, 890,639 visits
  + 57.3% of all visits were by ***first time users***
* 510,078 unique visitors
  + 85% from the U.S.
    - Visitors from 182 countries and territories have accessed the RMD

Image of a timeline of visitors to the RMD with steady growth from January 2012 to past July 2013. There were 3160 visitors on October 1, 2013.

Slide 11: More info from Google

* Hits per summary/page
* Bounce rates (users who leave after accessing a page of interest)
* Time spent on each webpage
* Referral source
* Operating systems (mobile, PC, Mac, etc.)
* Region / Location
* User’s primary language
* Usage patterns and behaviors
* Archival and real-time data analyses

Slide 12: **Total Visits** by Country and Region

Map of the world color coded by country. USA had the most visits at 328,364. All other countries with few exceptions like central African countries, Greenland, and Turkey, had at least 1 visit to the RMD.

Slide 13: **New Visits** indicate International Growth

Map of the world color coded by country. Shows there are new visits in every country except a few central African countries, Greenland, and Turkey.

Slide 14: Professional Outreach: Education

Free webinar and low cost CEU

2012: Fundamentals of Measurement (screenshot of image of invitation to this webinar on the right side of the slide.

2013L Demystifying Rash Analysis

2013: Summer Institute on Measurement

Archives of Physical Medicine and Rehabilitation (screenshot of an article)

To date, 24 authros have contributed to the creation of tear sheets. (image of Tear sheet)

Slide 15: Overview of Presentation

Description

Development

Utilization

**Sustainability (bolded)**

Slide 16: Sustainability: Collaborations

* Professional Associations
  + American Physical Therapy Association Neurology Section / PT NOW
  + American Occupational Therapy Association
  + Archives of Physical Medicine and Rehabilitation
* Academic Collaborators:
  + University of Illinois at Chicago
  + University of Indianapolis
  + Duke University
  + University of North Carolina
  + DePaul University
  + Illinois Institute of Technology
  + University of Station Island

Slide 17: Sustainability: Funding

* Seeking funding for maintenance and enhanced platform
  + “Community of Experts” to contribute to and review database
  + User profiles
  + Mobile applications
  + Dynamic generation of search results

Slide 18: Lessons learned

* Successes:
  + Utilization of focus group to guide development
  + Establishment of key collaborations
  + Continuous measurement and monitoring
* Areas for improvement:
  + Technological expertise
  + Global / International perspective
  + Development of a marketing plan at launch

Slide 19: Acknowledgments

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  + Jennifer Moore, PT, DHS, NCS, Project Director
  + Jason Raad, PhD, Project Manager
  + Jill Smiley, MPH, Research Assistant II