

Current and future efforts on using the ICF in work disability

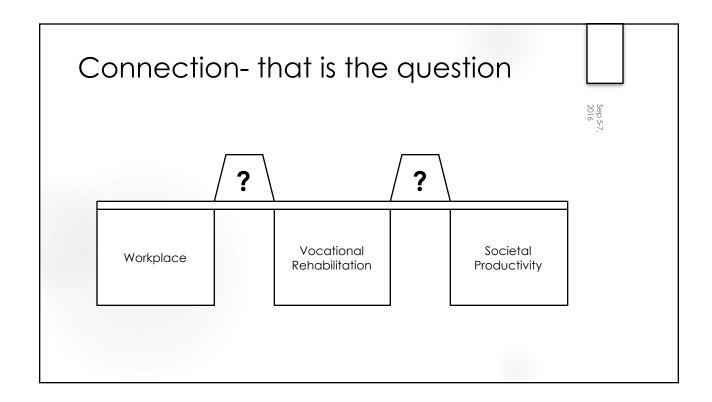
REUBEN ESCORPIZO

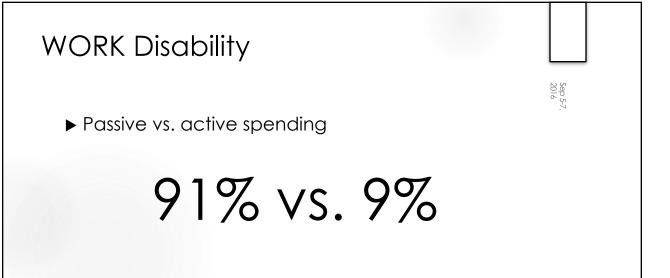
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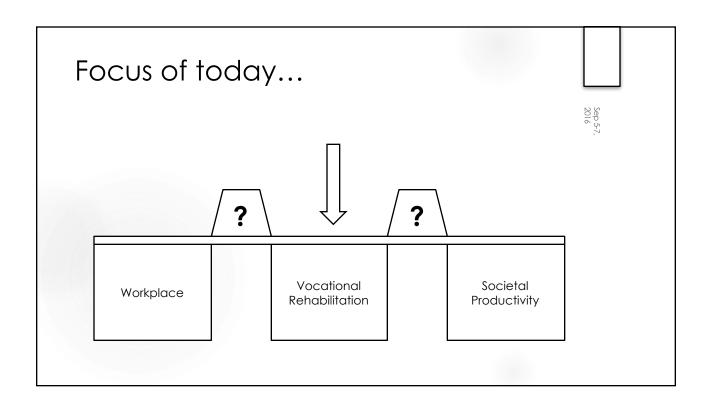


Connecting rehabilitation to the workplace...





OECD 2010

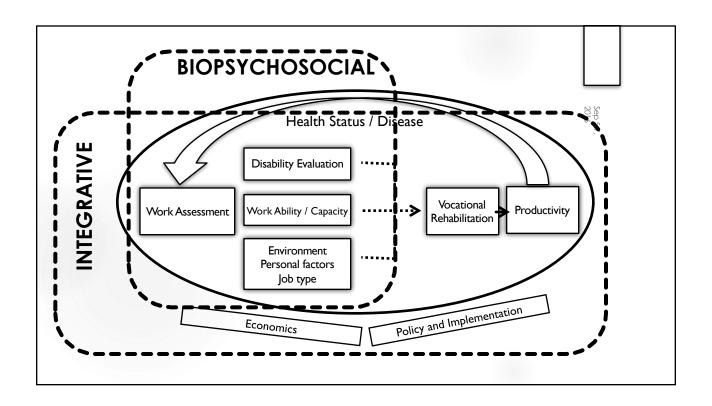


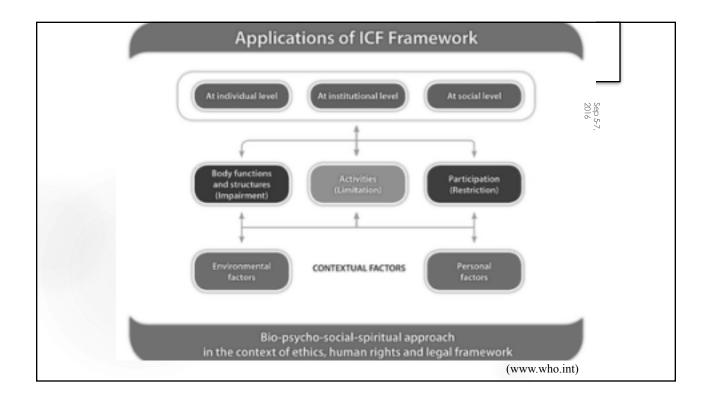
Vocational Rehabilitation

- Multi-professional, evidencebased
- Different settings, services, and activities
- Working age
- Optimize work participation
- Integrative biopsychosocial approach



In R Escorpizo et al. (eds.), Handbook of Vocational Rehabilitation and Disability Evaluation; Handbooks in Health, Work, and Disability, Springer, Switzerland 2015. ISBN-13: 978-3319088242





ICF

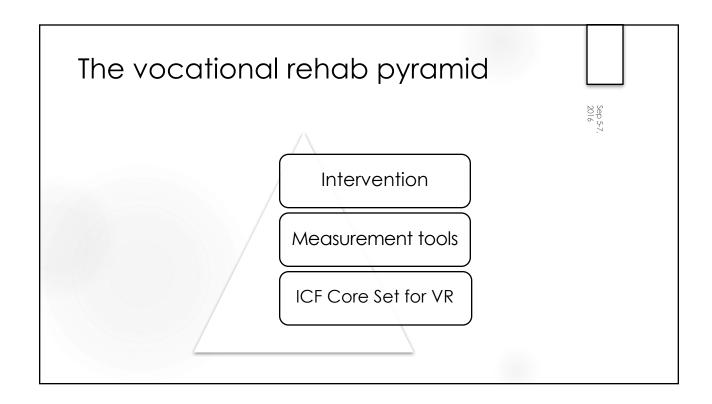
- Sep 5-7, 2016
- ► International Classification of Functioning, Disability and Health
- ▶ World Health Organization 2001
- ▶ Conceptual framework and classification system
- ▶ Impact of health condition on functioning (disability)

ICF and work in PubMed Sep 3/16

Search term	Results Sep 5:
"ICF" AND "vocational rehabilitation"	50
"ICF" AND "work" AND "vocational rehabilitation"	36
"ICF" AND "return to work" AND "vocational rehabilitation"	14

= 46 / 50 papers in the last 10 years

= 23 / 50 papers in the last 5 years



ICF Core Set for Vocational Rehabilitation



- Identify "what" we should assess and evaluate in work rehabilitation setting
- Not "how" can we assess and evaluate persons who are being referred to work rehabilitation













ICF Core Set for Vocational Rehabilitation (brief version)



- ▶ d155 Acquiring skills
- ▶ d240 Handling stress and other psychological demands
- ▶ d720 Complex interpersonal interactions
- ▶ d845 Acquiring, keeping and terminating a job
- ▶ d850 Remunerative employment
- ▶ d855 Non-remunerative employment

ICF Core Set for Vocational Rehabilitation (brief version)

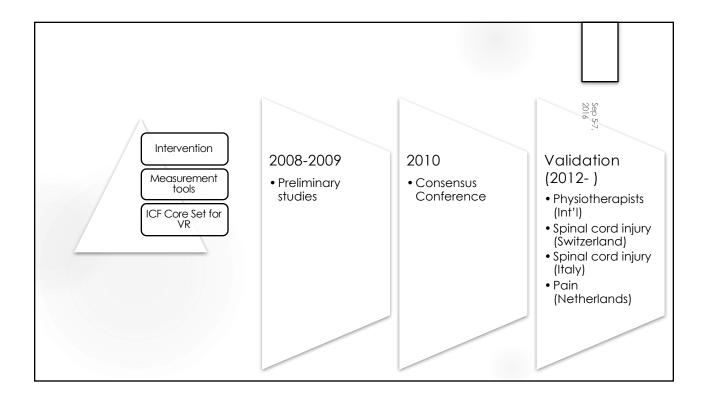
Sep 5-2016

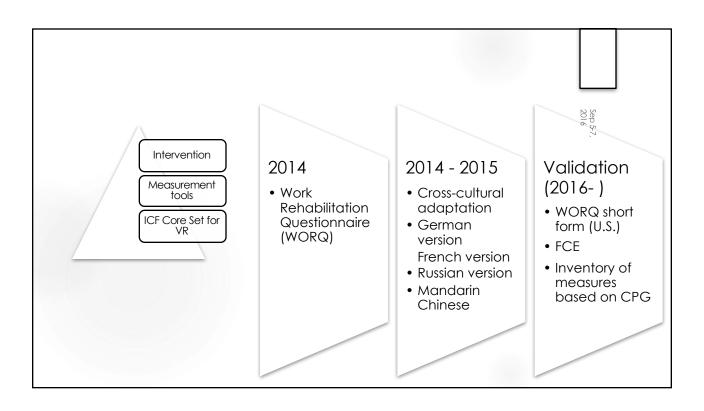
- ▶ e310 Immediate family
- ▶ e330 People in positions of authority
- ▶ e580 Health services, system and policies
- ► e590 Labour and employment services, systems and policies

ICF Core Set for Vocational Rehabilitation (brief version)



- ▶ b130 Energy and drive functions
- ▶ b164 Higher-level cognitive functions
- ▶ b455 Exercise tolerance functions



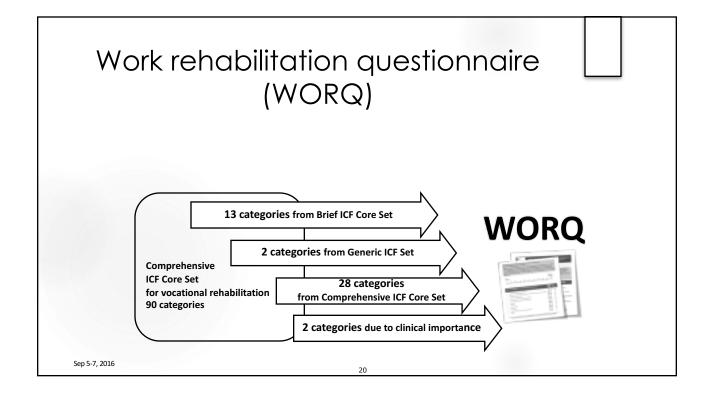


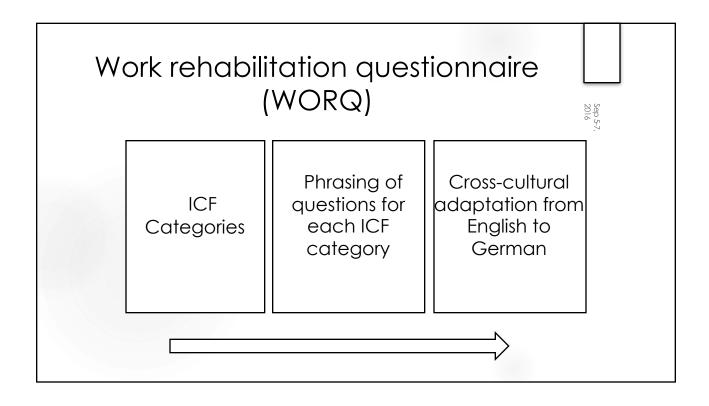
Work rehabilitation questionnaire (WORQ)



- ▶ Generic instrument
- Self-reported or intervieweradministered
- ► Has two parts: Part I Introduction (17 items) and Part II Functioning Section (42 items) / WORQ-short form 13 items
- Recall period 7 days; 0-10 numeric rating scale
- ► Free! http://myworq.org

Finger et al. 2013; Escorpizo et al. 2013

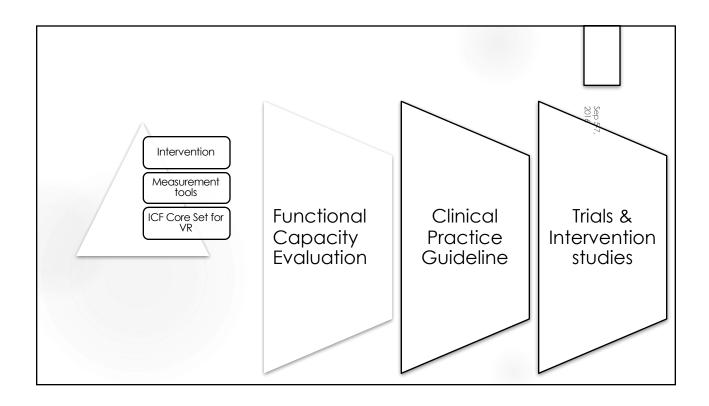




	WORQ- SHORT FORM											╛	
Ove	erall in the past week, to what extent did you have problems with												
1	not feeling rested and refreshed during the day?	No problem	0	1	2	3	4	5	6	<u> </u>	ß	9 10	
2	your usual daily activities because you felt sad or depressed?	No problem	0	1	2	3	4	5	6	7	8	9 1	
3	your usual daily activities because you felt worried or anxious?	No problem	0	1	2	3	4	5	6	7	8	9 1	
4	analyzing and finding solutions to problems in day to day life?	No problem	0	1	2	3	4	5	6	7	8	9 1	
5	bodily aches or pains?	No problem	0	1	2	3	4	5	6	7 -	8	9 1	
6	general endurance when performing physical activities?	No problem	0	1	2	3	4	5	6	7	8	9 1	
7	learning a new task (e.g., learning a new game, learning how to use the computer, learning how to use a tool, etc.)?	No problem	0	1	2	3	4	5	6	7	8	9 1	Complete
8	carrying out your daily routine or day to day activities?	No problem	0	1	2	3	4	5	6	7 -	8	9 1	
9	handling stress, crises, or conflict?	No problem	0	1	2	3	4	5	6	7 -	8	9 1	Complete problem
10	walking a short distance (less than half a mile)?	No problem	0	1	2	3	4	5	6	7	8	9 1	
11	walking a long distance (more than half a mile)?	No problem	0	1	2	3	4	5	6	7	8	9 1	
12	moving around including crawling, climbing, and running?	No problem	0	1	2	3	4	5	6	7	8	9 1	Complete problem
13	your relationships with people?	No problem	0	1	2	3	4	5	6	7	8	9 1	

Work rehabilitation questionnaire (WORQ)

- ▶ Ongoing data collection
- ► Further construct validity testing
- ► Sub-scaling + Confirmatory Analysis
- ► Sub-scaling + Rasch Analysis
- ▶ WORQ → Global Rating of Change
- ▶ Predictive validity with RTW



What is FCE?

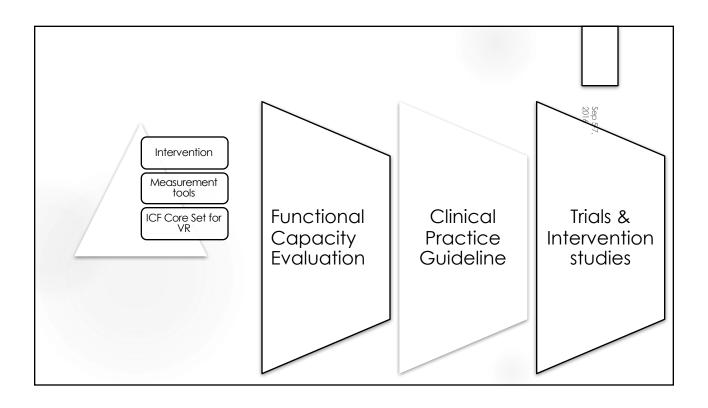
- ► A **systematic method** of measuring an individual's ability to perform meaningful tasks safely and dependably ¹
- Sep 5-7, 2016
- ► A comprehensive battery of performancebased tests that is used commonly to determine ability for work, activities of daily living, or leisure activities ²
- ► Functional evaluation combined with **diagnoses** and prognoses can support RTW ³

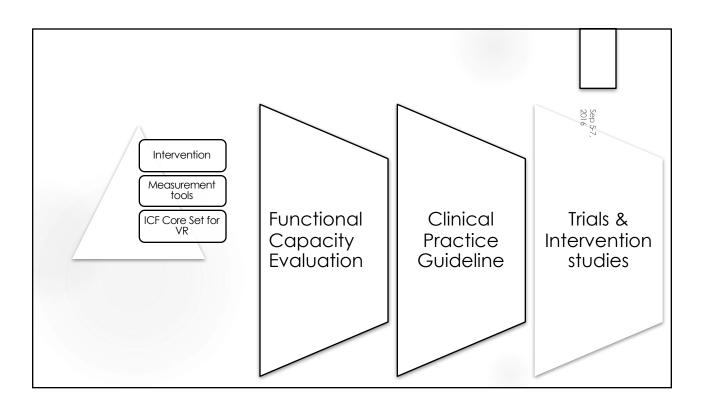
1 Matheson 2003; 2 Gross 2006; 3 APTA 2011

FCE-ICF interface



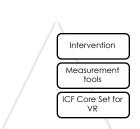
FCE	ICF	Operationalization
Functional limitation	Functioning 1.Body functions 2.Body structure 3.Activities & participation	ICF Core Set for Vocational Rehabilitation EUMASS Core Set for Social Security
Meaningful tasks and demands	Contextual factors	Personal factors Environmental factors





Case Example: Application

- A 30-yr old male with chronic low back pain
- ► Construction worker
- ▶ + Psychosocial makeup
- ► Comorbidities- depression
- A 30-yr old male with chronic low back pain
- Construction worker
- ▶ + Psychosocial makeup
- ► Comorbidities- depression
- Readiness for RTW (negative)- workplace
- ► Employment service is poor



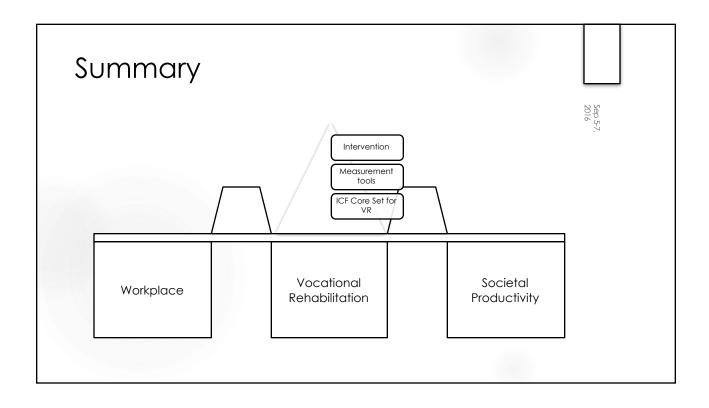
Vocational Rehabilitation

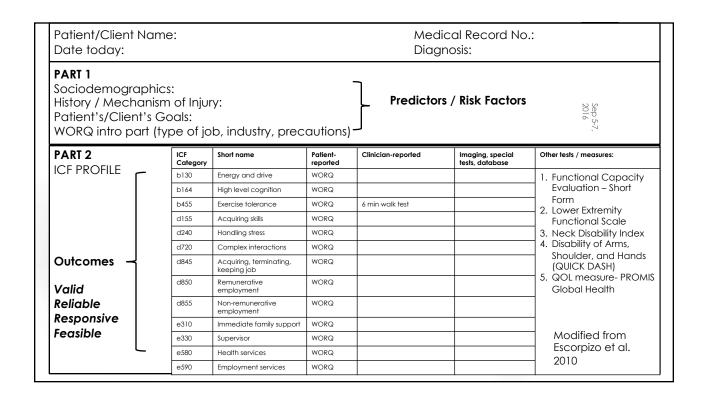
- ▶ Assess per ICF
- ▶ Type of job
- WORQ + objective measures
- ▶ "FCE", other PROs
- Case management / social security

What have we learned?



- ► Functioning profile: What to measure and how to measure
- ▶ Uniform reporting of work functioning profile
- ▶ Blending patient-reported outcomes e.g. WORQ, with objective measures e.g. FCE
- ► Can inform **TARGETED** intervention from what we know about the patient
- ► ICF is key to vocational rehabilitation, case management, social security continuum





PART 3 Assessment:	
Short-term Goals (4 weeks):	Assessment No 60
Long-term Goals (8 weeks):	Assessment Sep 5-7.
PART 4 Plan of Care (see evidence-based critical practice appraisal):	
Self-management:	Intervention
Discharge Plan:	
Communication Plan:	
PART 5 Re-evaluation: Perform Parts 1 and 2 then add "readiness" to ret	urn to work"; proceed with Parts 3-4. Re-evaluation

Þakka þér Kiitos tak Takk skal du ha Tack Thank you

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