ClinFIT COVID-19

A universal clinical measure based on WHO's International Classification of Functioning, Disability and Health (ICF)

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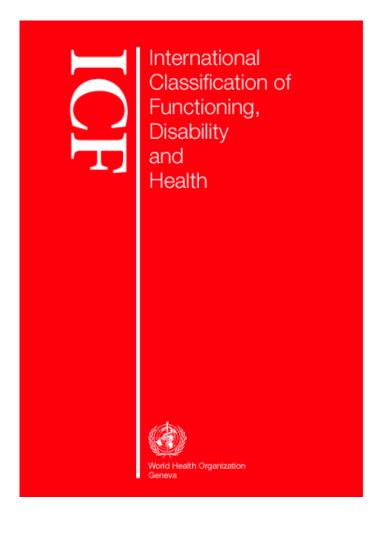
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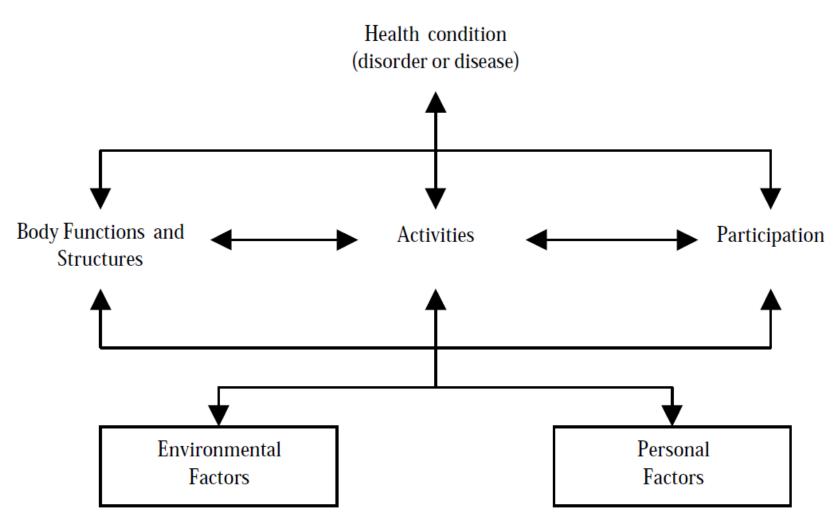
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Conflict of Interest Disclosure: NONE

Capturing the impact of COVID-19 on functioning





ClinFIT - Clinical Functioning Information Tool

Special Report

ClinFIT: ISPRM's Universal Functioning Information Tool based on the WHO's ICF

Rehabilitation is the health strategy that aims to optimize functioning of persons with a health condition experiencing or likely to experience disability. [1.2] Accordingly, physical and

rehabilitation and health care at large.^[11] An overview of the most recent efforts worldwide has been published in *JISPRM*, the new electronic journal of *ISPRM* (http://www.jisprm.

ISPRM is spearheading the application of the ICF in clinical practice by developing ClinFIT, a clinical measure that can be tailored to specific population needs and in rapid response to public health emergencies

Strengths of an ICF-based approach

- Established and internationally recognized reference system for clinical measurement and the standardized reporting of functioning information
- Mutually exclusive and cumulative exhaustive list of functioning domains
- Facilitates the tailoring of clinical measures in rapid response to public health emergencies, such as COVID-19
- Enables reporting of functioning information independent of the data collection tool or the data source
- Enhances data comparability

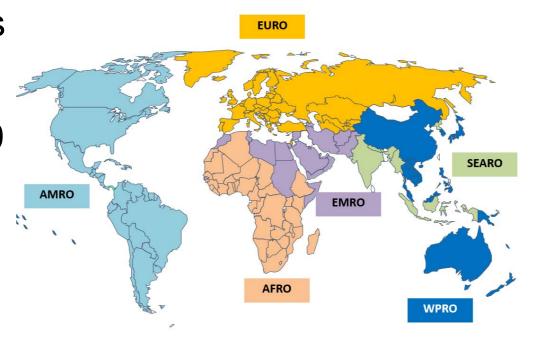
International study to develop ClinFIT COVID-19

Step 1: ☑

Identification of functioning domains

Step 2:

Test and validate ClinFIT COVID-19 and develop an interval-scaled score



Functioning limitations which matter to patients: ClinFIT COVID-19 Long-term version

ClinFIT COVID-19 Long-term Version

b130 Energy and drive functions

Psychological energy and motivational drive to move towards goals, satisfy needs and control impulses

b134 Sleep functions

Cycle, quality and amount of sleep

b152 Emotional functions

Mental functions for the modulation of the expression of feelings and emotions

b280 Sensation of pain

Unpleasant sensation indicating potential or actual damage of some body structure

b440 Respiratory functions

Functions of breathing, including gas exchange

b445 Respiratory muscle functions

Functions of the muscles involved in breathing

b455 Exercise tolerance functions

Capacity of enduring physical exertion related to respiratory and cardiovascular functions

b710 Mobility of joint functions

Range and ease of movement of a joint

b730 Muscle power functions

Capacity to generate force through the contraction of a muscle or muscle groups

s430 Structure of the respiratory system

Trachea, lungs, ribcage, and breathing muscles

d230 Carrying out daily routine

Plan, manage and complete routine daily life activities

d240 Handling stress and other psychological demands

Manage and control the psychological demands to carry out tasks demanding responsibilities involving stress and/or distractions and/or critical issues

d450 Walking

Moving in an upright position, step by step, always maintaining a support on the ground

d455 Moving around

Moving around differently from walking (for example running, going up and down the stairs, jumping, climbing, swimming, etc.)

d850 Remunerative employment

Properly performing remunerative employment (full or part time or self-employed) in all its aspects

d920 Recreation and leisure

Engaging in recreational or leisure activity (play, cultural and sports activities etc. during spare time)

Selb M, Stucki G, Li J, Mukaino M, Li L, Gimigliano, on behalf of the ClinFIT Task Force. Developing clinfit COVID-19: An initiative to scale up rehabilitation for COVID-19 patients and survivors across the care continuum, JISPRM. 2021;4(4):174-83.

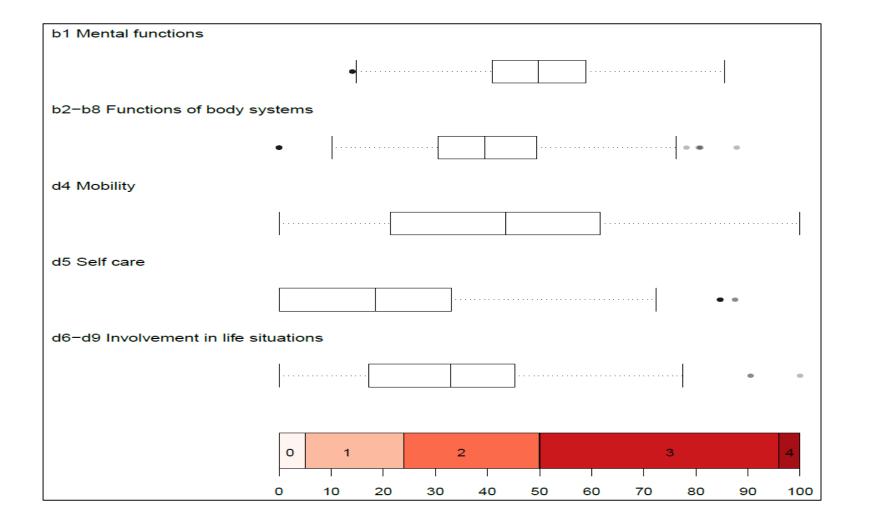
Instructions for rating - ClinFIT COVID-19

- Functioning domains: simple descriptions of ICF categories
- Experts rate functioning limitation based on all available information: patient history incl. information from PROMs, clinical examination, technical investigations
- Response options: 1-10 Numeric Rating Scale, 0-4 scale and 0-4 scale with specifications

0-10 Numeric Rating Scale

1	b130 Energy and drive functions Psychological energy and motivational drive to move towards goals, satisfy needs and control	No problem	0	1	2	3	4	5	6	7	8	9	10	Complete Problem	Need more info	N/A
2	b134 Sleep functions Cycle, quality and amount of sleep	No problem	0	1	2	3	4	5	6	7	8	9	10	Complete Problem	Need more info	N/A
3	b152 Emotional functions Mental functions for the modulation of the expression of feelings and emotions	No problem	0	1	2	3	4	5	•	7	8	9	10	Complete Problem	Need more info	N/A
4	b280 Sensation of pain Unpleasant sensation indicating potential or actual damage of some body structure	No problem	0	1	2	3	4	5	6	7	8	9	10	Complete Problem	Need more info	N/A
5	b440 Respiratory functions Functions of breathing, including gas exchange	No problem	0	1	2	3	4	5	6	7	8	9	10	Complete Problem	Need more info	N/A
6	b445 Respiratory muscle functions	No	0	1	2	3	4	5	6	7	8	9	10	Complete	Need	N/A

Standardized reporting - interval-scaled common metric



Prodinger et al. Eur J Phys Rehabil Med. 2018 ;54(1):110-117; Maritz R, et al. J Rehabil Med. 2020;52(7):jrm00085; Prodinger B, et al. J Rehabil Med. 2020;52(10):jrm00107; Hodel J, et al. Arch Rehabil Res Clin Transl. 2021; 3(2):100121.

Key messages



- An ICF-based approach enables decision makers to provide guidance for clinical measurement and standardized reporting of functioning information
- COVID-19 impacts a broad spectrum of functioning domains ranging from body functions to activities & participation
- ClinFIT COVID-19 is a customizable and easy-touse clinical measure that captures what matters to people with COVID-19