



# MaxMD

Health Status | March 1, 2022  
Matt Elrod PT, DPT, MEd



# Objectives

1. Orientation to International Classification of Functioning, Disability and Health (ICF) framework
2. Recommendations for alignment of ICF and Draft USCDI v3
3. Recommendations for using a similar approach of data elements in various data classes as used with Social Determinants of Health

# WHO Family of International Classifications (FIC)



The WHO Family of International Classifications and Terminologies includes:

- the International Statistical Classification of Diseases and Related Health Problems (ICD),
- the International Classification of **Functioning, Disability, and Health** (ICF),
- and the International Classification of Health Interventions (ICHI).

Source: <https://www.who.int/standards/classifications>



# Clinical use of the ICF

## Clinical test

- Current level of functioning

## Assessment and Plan of Care

- Changes in functioning
- Focus of care

## Documentation

- Problem list
- Goals

## Individual's satisfaction

- Patient centered language



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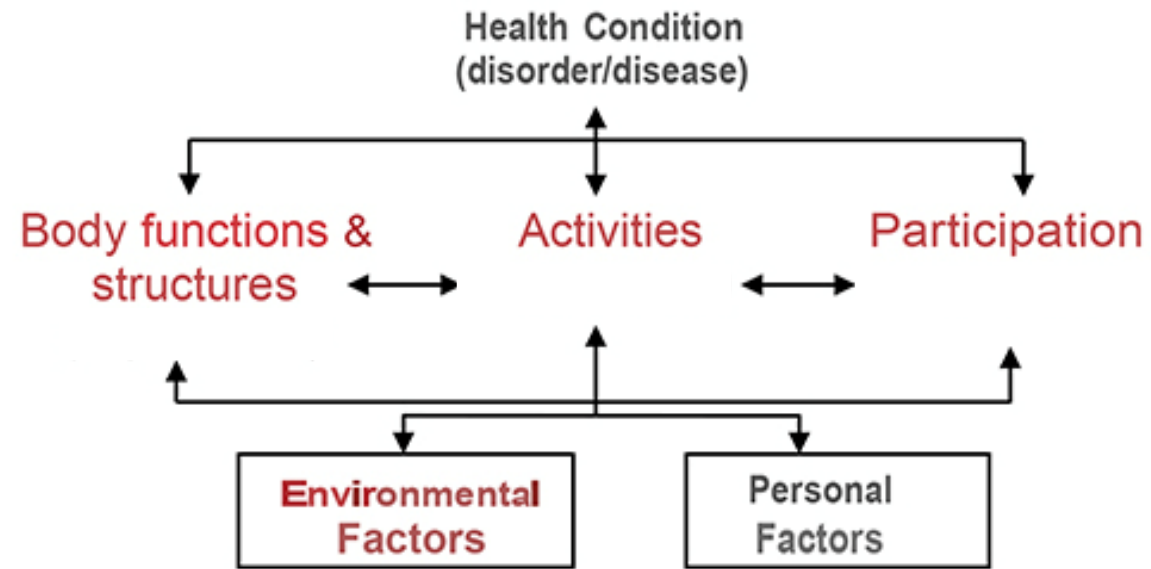
Photo by [Vanessa Loring](#) from [Pexels](#)



<http://rc.rcjournal.com/content/respcare/61/7/971/F2.large.jpg>

# International Classification of Functioning, Disability and Health (ICF)

## ICF: Interaction of Concepts



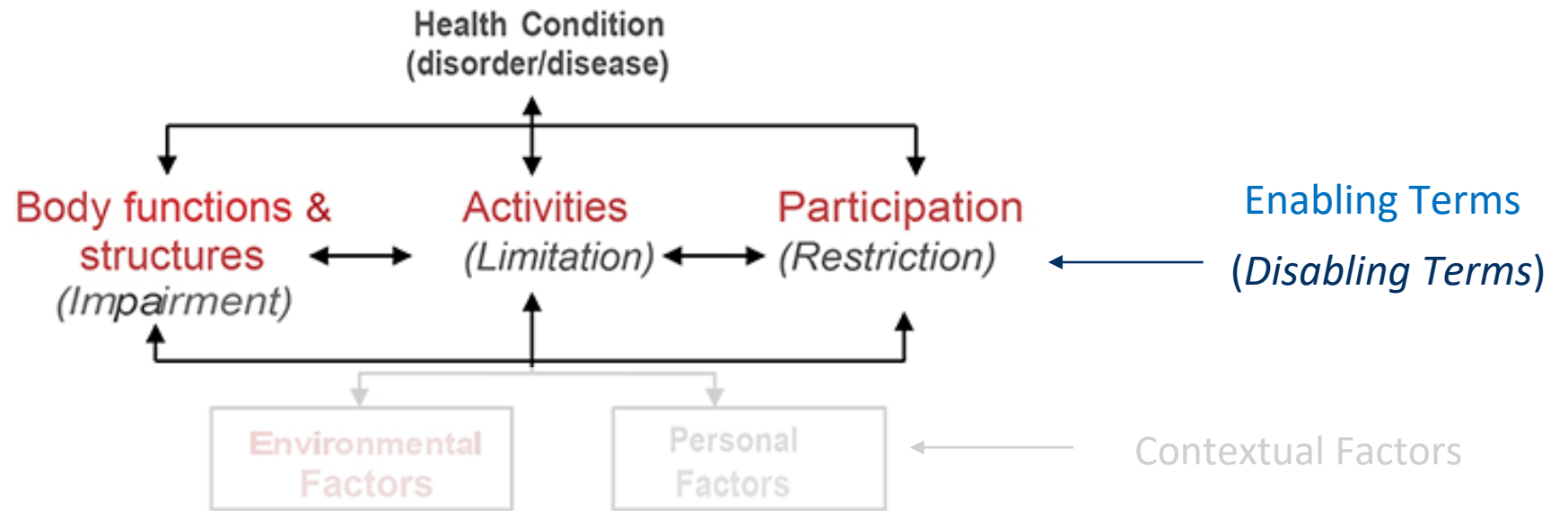
**Figure 1: Interactions between the components of ICF**

Source: WHO 2001:18

# International Classification of Functioning, Disability and Health (ICF)

## ICF: Interaction of Concepts

Functioning  
(Disability)



**Figure 1: Interactions between the components of ICF**

Source: WHO 2001:18



# Components of ICF and Hierarchical Structure

## Body Functions:

- physiological functions of body systems (including psychological functions).

## Body Structures:

- anatomical parts of the body such as organs, limbs and their components.

## Activity:

- execution of a task or action by an individual.

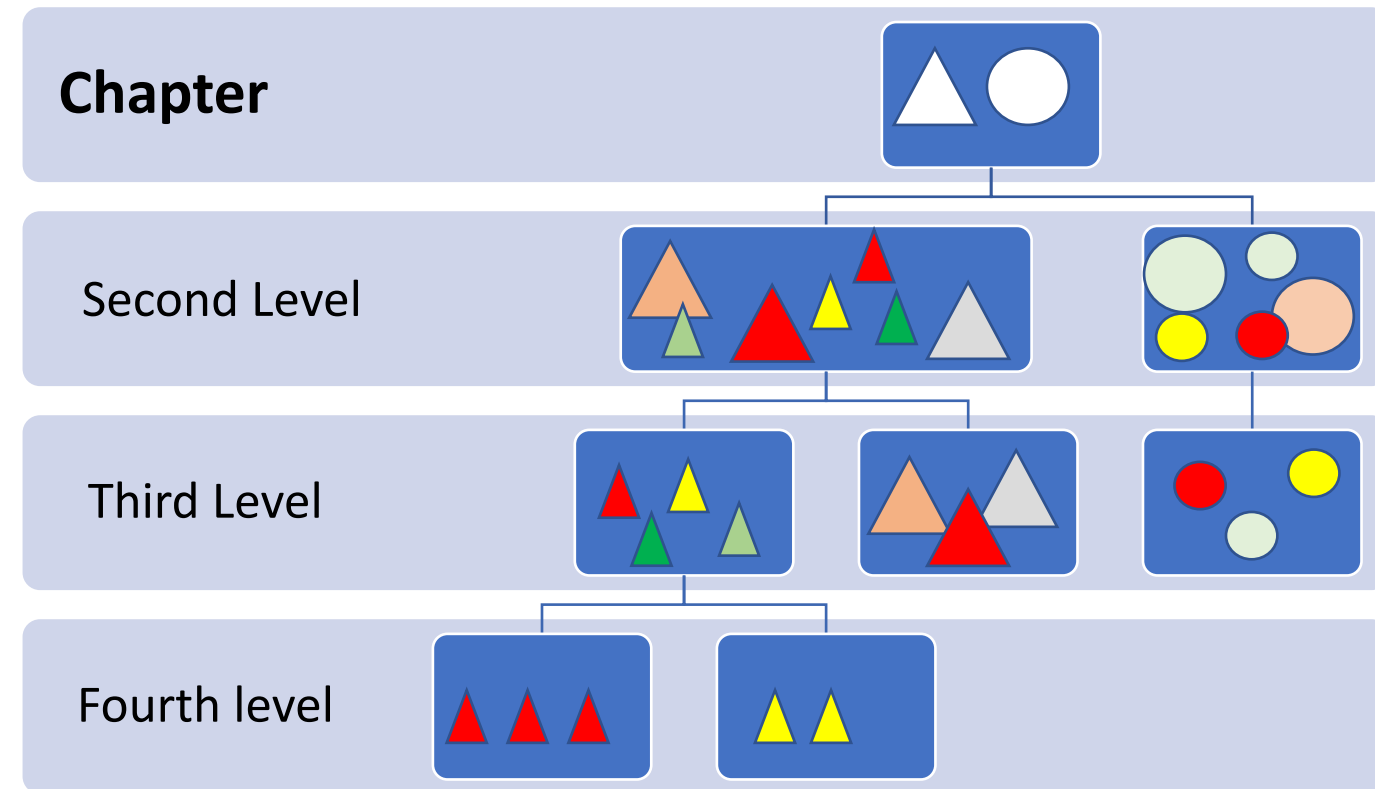
## Participation:

- involvement in a life situation.

## Environmental Factors:

- physical, social and attitudinal environment in which people live and conduct their lives.

## Components



# Chapters in the International Classification of Functioning, Disability and Health (ICF)



Photo by [Kate](#) from [Pexels](#)

<p><b>Body Function:</b></p> <p><b>Mental functions</b></p> <p>Sensory functions and pain</p> <p>Voice and speech functions</p> <p>Functions of the cardiovascular, haematological, immunological and respiratory systems</p> <p>Functions of the digestive, metabolic, endocrine systems</p> <p>Genitourinary and reproductive functions</p> <p>Neuromusculoskeletal and movement-related functions</p> <p>Functions of the skin and related structures</p>	<p><b>Activities and Participation:</b></p> <p>Learning and applying knowledge</p> <p>General tasks and demands</p> <p>Communication</p> <p><b>Mobility</b></p> <p>Self care</p> <p>Domestic life</p> <p>Interpersonal interactions and relationships</p> <p>Major life areas</p> <p>Community, social and civic life</p>
<p><b>Body Structure:</b></p> <p>Structure of the nervous system</p> <p>The eye, ear and related structures</p> <p>Structures involved in voice and speech</p> <p>Structure of the cardiovascular, immunological and respiratory Systems</p> <p>Structures related to the digestive, metabolic and endocrine systems</p> <p>Structure related to genitourinary and reproductive systems</p> <p>Structures related to movement</p> <p>Skin and related structures</p>	<p><b>Environmental Factors:</b></p> <p>Products and technology</p> <p>Natural environment and human-made changes to environment</p> <p>Support and relationships</p> <p>Attitudes</p> <p>Services, systems and policies</p>



<http://rc.rjournal.com/content/respcare/61/7/971/F2.large.jpg>

## CDC: THE ICF: AN OVERVIEW

[https://www.cdc.gov/nchs/data/icd/icfoverview\\_finalforwho10sept.pdf](https://www.cdc.gov/nchs/data/icd/icfoverview_finalforwho10sept.pdf)

2/28/2022



# Chapters of Activities and Participation Component

Level	Example	Coding
Chapter	Chapter 4: Mobility	d4
Second level	Walking	d450
Third level	Walking long distance	d4501
Fourth level	n/a	

## Chapters:

1. Learning and Applying Knowledge
2. General Task and Demands
3. Communication
4. Mobility

- Changing and maintaining body position
- Carrying, moving and handling objects
- Walking and moving

### 450. Walking

#### 4500. Walking short distance

4501. Walking long distance

4502. Walking on different surfaces

4503. Walking around obstacles

455. Moving Around

460. Moving around in different locations

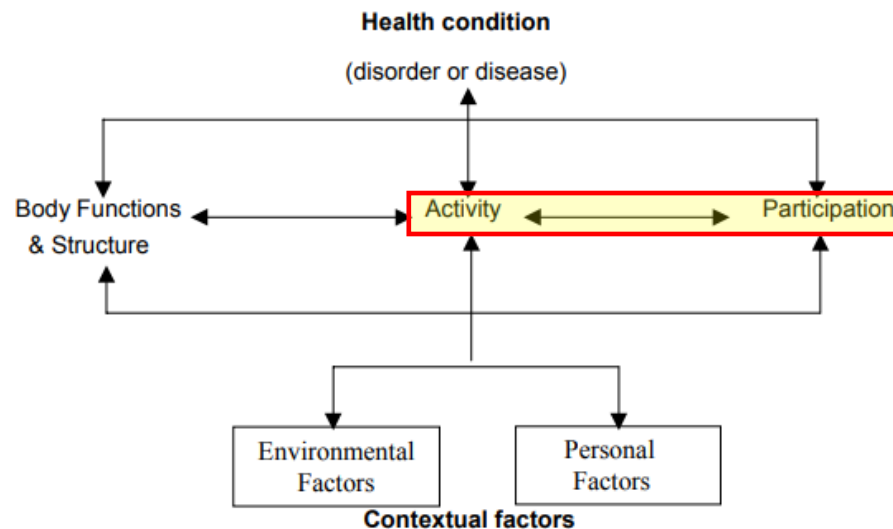
465. Moving around using equipment

469. Walking and moving, other specified and unspecified

- Moving around using transportation
- Mobility, other specified
- Mobility, unspecified



<http://rc.rcjournal.com/content/researchcare/61/7/971/F2.large.jpg>



# Draft USCDI v3 Health Status Data Class and ICF Framework

## ICF Framework

- ICF is used to operationally define a person's health and health-related states
- Terms and construct are person-centric
- Used by the rehabilitation community
- Supported by payer and clinical community with multiple standard assessment tools (i.e., CMS: IRF-PAI, Patient-Reported Outcomes Measurement Information System (PROMIS), AM-PAC etc.)
- Supports both "Functioning" and "Disability"

## Draft USCDI v3

### Health Status

Health-related matter of interest, importance, or worry to a patient, patient's family, or patient's healthcare provider.

### Health Concerns

Functional Status

Disability Status

Mental Function

Pregnancy Status

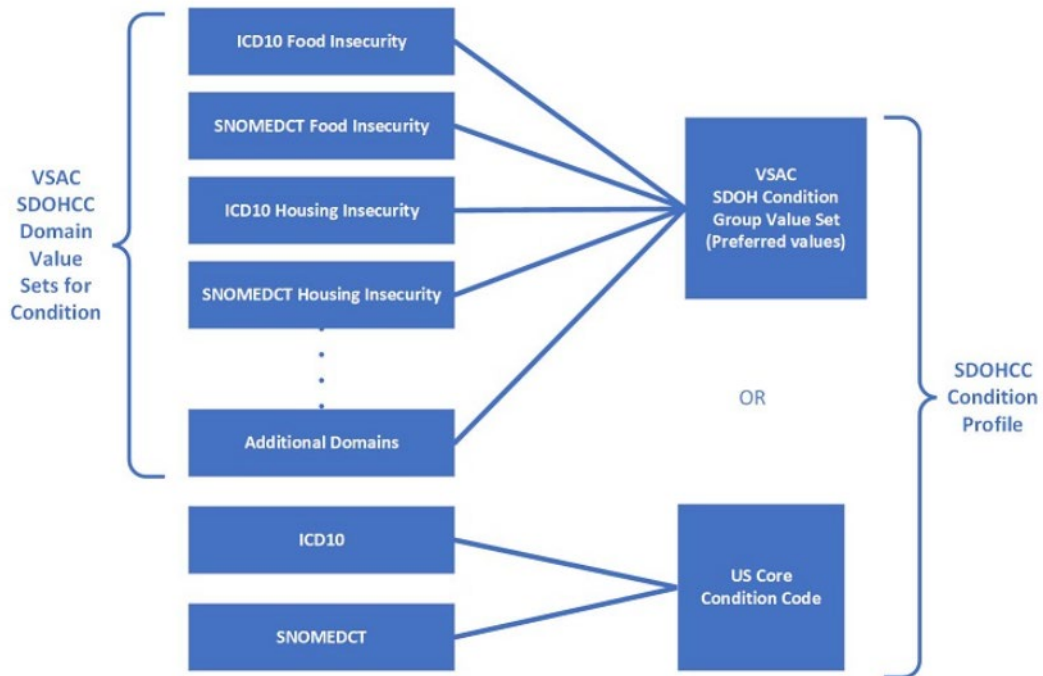
Smoking Status

Functioning

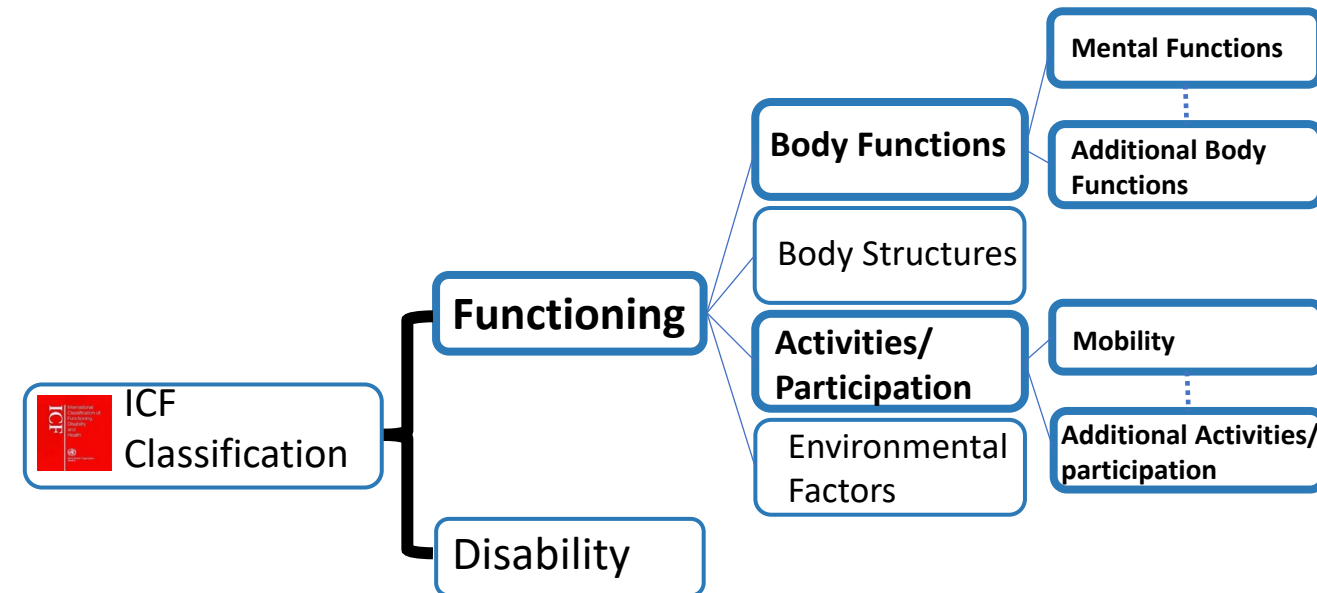
- Mobility
- Self-care
- Mental Functions

# Similarities for use of Hierarchical Structure

## Social Determinants of Health



## Functioning (Disability)



[http://build.fhir.org/ig/HL7/fhir-sdoh-clinicalcare/support for multiple domains.html](http://build.fhir.org/ig/HL7/fhir-sdoh-clinicalcare/support%20for%20multiple%20domains.html)  
Accessed 2/28/2022



# Similarities of Representing in Multiple Data Classes



<http://rc.rcjournal.com/content/resp/61/7/971/F2.large.jpg>

## Social Determinants of Health

### Problems

Information about a condition, diagnosis, or other event, situation, issue, or clinical concept that is documented.

SDOH Problems/Health Concerns

### Assessment and Plan of Treatment

Represents a health professional's conclusions and working assumptions that will guide treatment of the patient.

SDOH Assessment

### Goals

An expressed desired health state to be achieved by a subject of care (or family/group).

SDOH Goals

## Functioning (Disability)

- Clinical Test
  - Provide reports (Structured and Unstructured) on how someone is **Functioning**
- Problems
  - Identify impairment, limitation/restriction on how someone is **Functioning (Disability)**
- Assessment and Plan of Treatment
  - Document leading causes of **Disability** and how to address
- Goals
  - Document patient-centered desired outcomes related to **Functioning**