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

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1. WHO-FIC Family Picture

**Related classifications**
- International Classification of Primary Care (ICPC)
- International Classification of External Causes of Injury (ICECI)
- The anatomical Therapeutic Chemicals classification system with Defined Daily Doses (ATC)
- **ISO9999** Technical aids for persons with disabilities
- International Classification of Nursing Practice (ICNP)

**Derived classifications**
- ICD for Oncology, Third Edition (**ICD-O-3**)
- The ICD-10 Classification of Mental and Behavioural Disorders
- Application of the ICD to Dentistry and Stomatology (**ICD-DA**)
- Application of the ICD to Neurology (**ICD-10-NA**)
- ICF Version for Children and Youth (**ICF-CY**)

**REFERENCE Classifications**

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2. Introduction – Why the ICF?

- The International Classification of Functioning, Disability and Health – ICF (WHO, 2001)
  - offers a different approach to ‘Disability’ in terms of ‘Functioning’
  - provides a comprehensive, universal and globally accepted model and taxonomy to describe functioning.
2. Introduction – Why the ICF?

1. Functioning & disability encompass the human experience at the level of **body functions** and **structures, activities and participation** in the context of environmental and personal factors.

2. Functioning & disability are **multi-dimensional** and represent a **continuum**.

3. Functioning may **differ** between people with **the same health condition**, may be **similar in persons with different health condition**.

4. The description of functioning is the starting point for any approach to achieve or maintain optimal levels of functioning in individuals and populations.
Functioning & Disability are related to a variety of factors:

- the person’s health condition
- the person’s resources
- the environment in which the person lives
3. Aims of the ICF

ICF

1. Establishes a **common language**

2. Provides a **systematic coding scheme**

3. Provides a **scientific basis** for understanding health

4. Enables **data comparison**

5. Stimulates the **development of services**
4. The ICF integrative Bio-Psycho-Social Model of functioning and disability

- **ICF** is an **universal model** and **applies to all people** irrespective of their culture, health condition, gender, or age. Instead of making disability a distinguishing mark of a discrete minority group, the **ICF** describes **all** the domains of functioning and disability that are applicable to everyone.
4. The ICF integrative Bio-Psycho-Social Model of functioning and disability

- ICF has moved away from being a consequence of disease classification to become a components of health classification.

Disability = Consequences of disease

Medical model

Integrative Bio-Psycho-Social model
4. The ICF integrative Bio-Psycho-Social Model of functioning and disability

Health condition

Functioning and disability

= results of the interaction between a person with a health condition and both personal and environmental factors

Environmental factors

Personal factors
5. Functioning and Disability

Functioning and **Disability**

Body Functions and Structures (Impairments) Activities (Activity-limitations) and Participation (Participation-restrictions)

**Contextual Factors**

Environmental Factors (Facilitators & Barriers) Personal Factors (Facilitators & Barriers)

- Each component consists of various **chapters** and, within each chapter, **categories**, which are the unit of classification.
6. Reference Framework and structure for analysis

For reasons of International comparability of questionnaires and data we use:

Reference Framework
ICF components as presented

Structure for analysis
Disability definition
Introductory phrase/question
Screening question
Disability questions/items
Response categories
Other relevant items
Example of analysis

Paraguya Census 2012

Disability definition

- 

Introductory phrase/question

Screening question

-Data on impediments
Is there any person in this household who has permanent physical or mental impediment, see list.
Yes/no

Disability questions/items

See table

Response categories
Tick list

Other relevant items
See next slide
Example of analysis

Paraguay Census 2012

Other relevant items

List of possible causes:
- since birth
- illness
- accident
- old age
- other cause (specify)
## Paraguay Census 2012
### Disability questions/items

<table>
<thead>
<tr>
<th>Disability questions/items</th>
<th>ICD</th>
<th>ICF-Function</th>
<th>ICF-Structure</th>
<th>ICF-Activity</th>
<th>ICF-Participation</th>
<th>ICF-Environmental Factors</th>
</tr>
</thead>
<tbody>
<tr>
<td>List of possible impediments</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>paralysis in legs arms reduction of strength</td>
<td>G80- G83G</td>
<td>b730 + qualifier</td>
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<tr>
<td>missing body part</td>
<td></td>
<td></td>
<td>s2–s7-s8</td>
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<tr>
<td>deafnesss (hears nothing)</td>
<td>H90</td>
<td></td>
<td>b230* + qualifier</td>
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<tr>
<td>mutism (does not speak)</td>
<td>CH 5/R47.0</td>
<td></td>
<td>b310*?</td>
<td>d330*</td>
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<td>talks with great difficulty</td>
<td></td>
<td></td>
<td></td>
<td>d330* + qualifier</td>
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<td></td>
</tr>
<tr>
<td>blind in both eyes</td>
<td>H54</td>
<td>b210* + qualifier</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>blind in one eye</td>
<td>H54</td>
<td>b210* + qualifier</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sees with great difficulty (even with glasses)</td>
<td>H54</td>
<td>b210* + qualifier</td>
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<td></td>
<td></td>
<td>e1251*</td>
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<tr>
<td>Down Syndrome Mental retardation Dementia</td>
<td>Q90 CH-V F00-F09</td>
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</tr>
</tbody>
</table>
International comparing

Comparing countries with the ICF

*Example from 15 (19-4) countries*
15 (19-4) Countries
Disability questions/items

- mental functions: 8
- intellectual functions: 1
- concentrating: 3
- remembering: 3
- seeing functions: 15
- hearing functions: 15
- voice functions: 3
- respiratory functions: 1
- muscle power functions: 1
- anatomical structures: 1
- structure of upper extremity: 3
- structure of lower extremity: 3

Frequency (15 out of 19-4)
15 (19-4) Countries
Disability questions/items

- learning: 6
- communication: 4
- understanding others: 4
- speaking: 12
- being understood by others: 1
- mobility: 1
- carrying and moving objects: 8
- grasping/holding: 1
- manipulating: 1
- walking and moving: 1
- walking: 13
- moving around: 4
- climbing (stairs): 8
- self care: 2
- washing: 4
- dressing: 4
- eating: 3
- interpersonal interactions and relationships: 1
- school education: 1
- work and employment: 1
- playing: 1
- assistive products for communication: 20
- support and relationships: 2

Frequency (15 out of 19-4)
• The WHO provides an online ICF Web-Browser where the classification can be searched for ICF categories in several languages:

http://www.who.int/classifications/icfbrowser

• Beginners set and links to other material on ICF, such as the Practical Manual, ICF Checklist, ICF Coresets, ICF eLearning Module, Educational Portal:

ICF Beginner's Guide
Thank You