



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

Huib Ten Napel
Marijke de Kleijn-de Vrankrijker
UNSD - consultants
Dutch WHO-FIC Collaborating
Centre



Meeting on Disability Measurement and Statistics in Support of 2030 Agenda for Sustainable Development and 2020 World Population and Housing Census Program, Santiago, Chile, 20-22 June 2017



ICF

Contents:

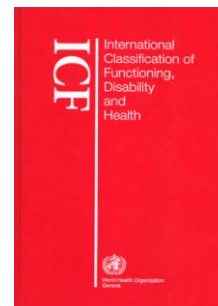
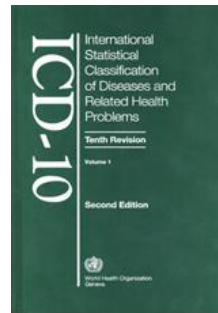
1. WHO Family of International Classifications (FIC)
2. Introduction - Why the ICF?
3. Aims of the ICF
4. The ICF Integrative Bio-Psycho-Social model of functioning and disability
5. Functioning and Disability
6. Reference Framework and Structure for analysis + examples

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**)

REFERENCE Classifications

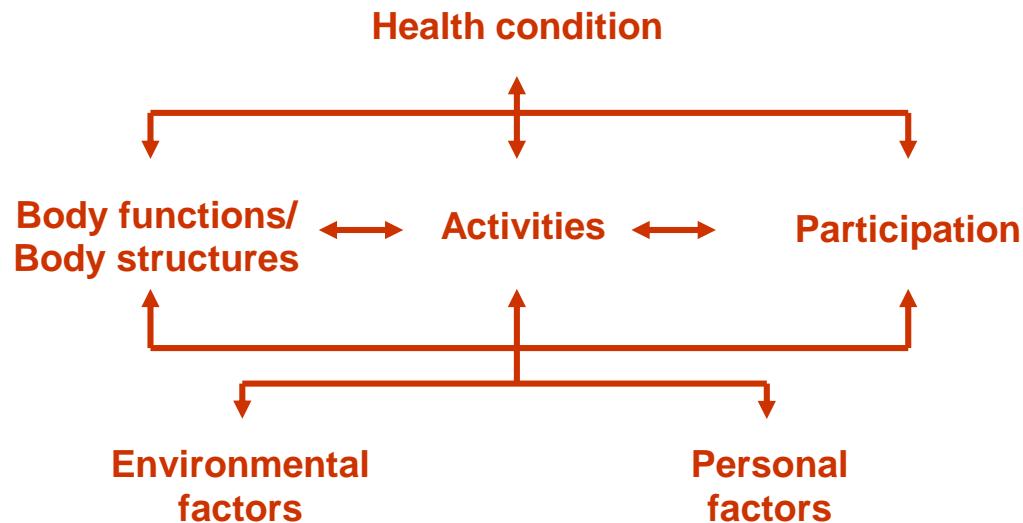


Derived classifications

- 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)**

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

2. Introduction – Why the ICF?

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**



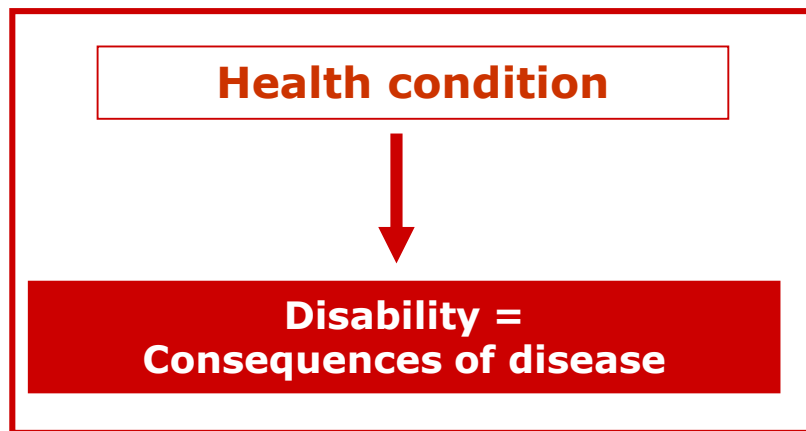
4. The ICF integrative Bio-Psychosocial Model of functioning and disability

- **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.

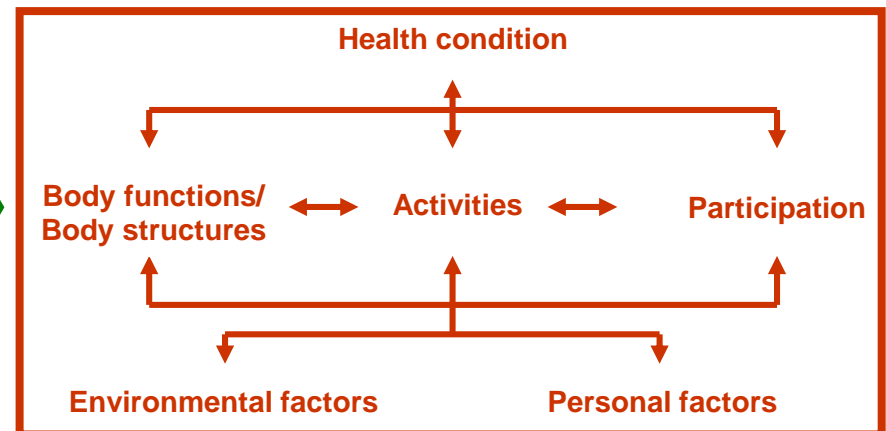


4. The ICF integrative Bio-Psycho-Social Model of functioning and disability

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



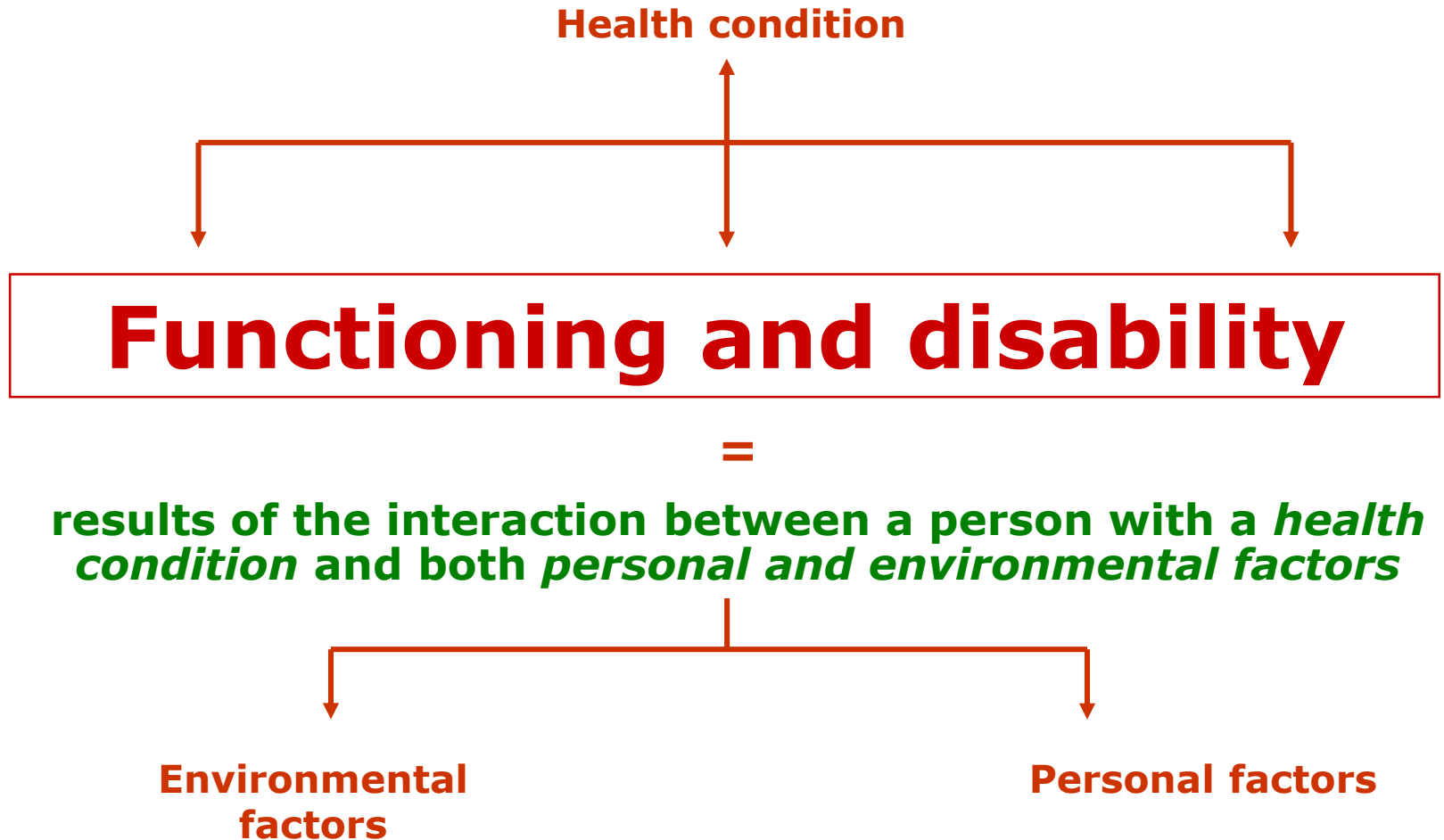
Medical model



Integrative Bio-Psycho-Social model



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





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

Paraguaya 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

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

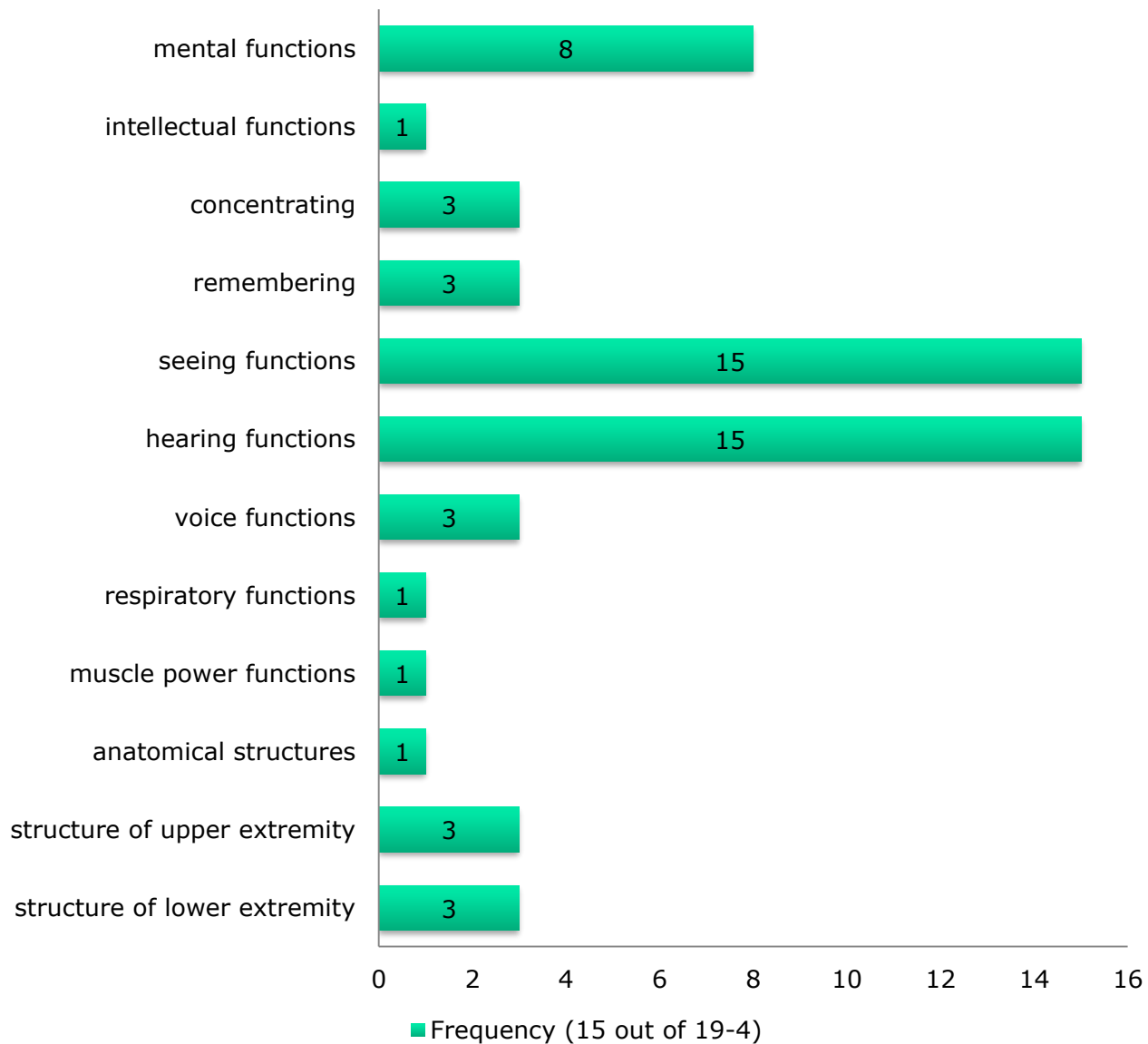


International comparing

Comparing countries with the ICF

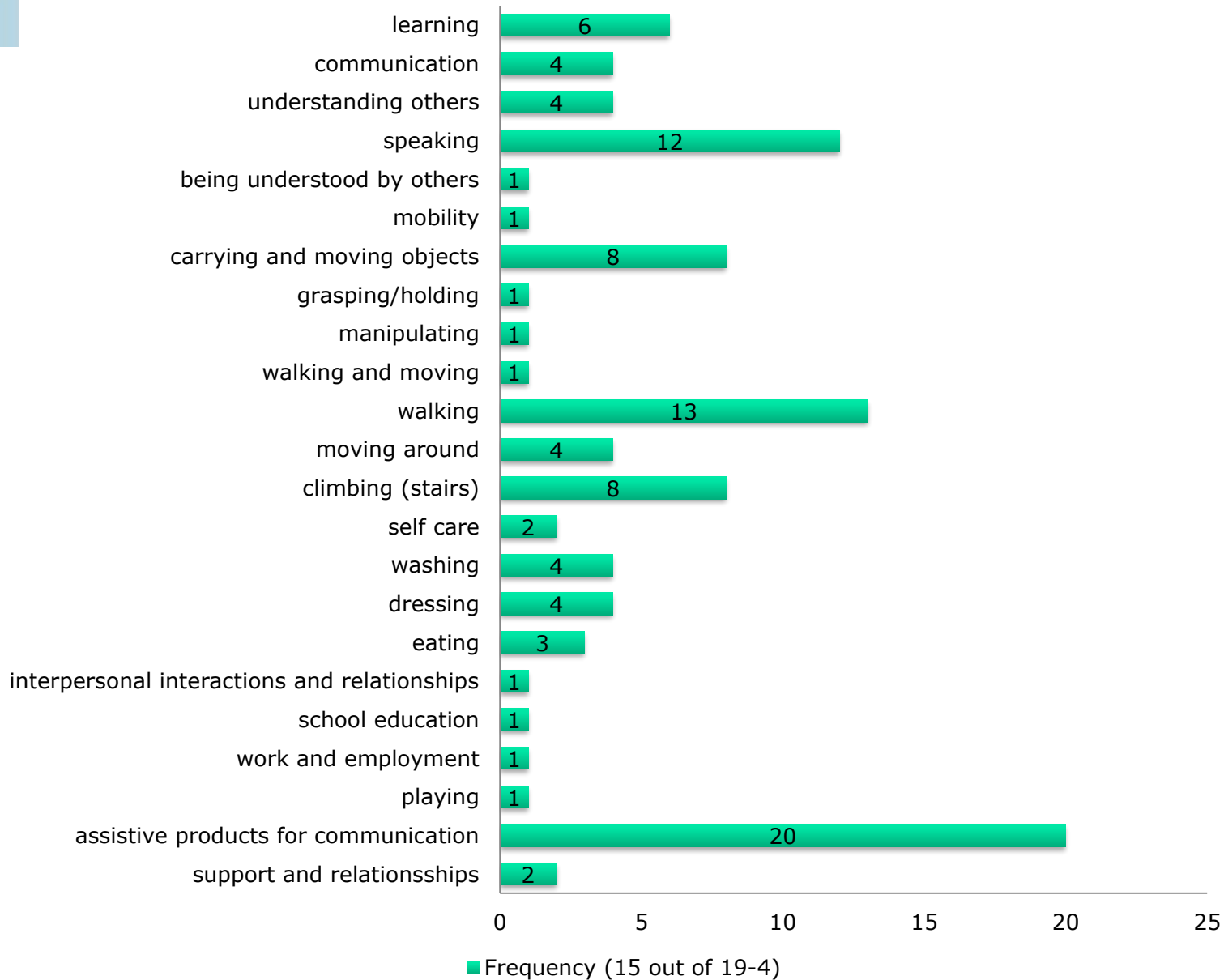
Example from 15 (19-4) countries

15 (19-4) Countries Disability questions/items





15 (19-4) Countries Disability questions/items





For more information

- 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](#)

Tack

Vielen Dank

Obrigado

RAKHMET

Merci

ありがとうございます

Bedankt

Takk

感謝您

Terima Kasih

谢谢

Grazie

ขอบคุณ

Спасибо

Thank You

Kiitos

شكرا

Tak

Teşekkür Ederiz

감사합니다

Gracias

Σας ευχαριστούμε

Dziękujemy