Development of ICF Core Sets for Hearing Loss

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Partner-Organisations:

International Federation of Hard of Hearing People,
Institute for Health and Rehabilitation Sciences
ICF Research Branch, WHO CC FIC Germany
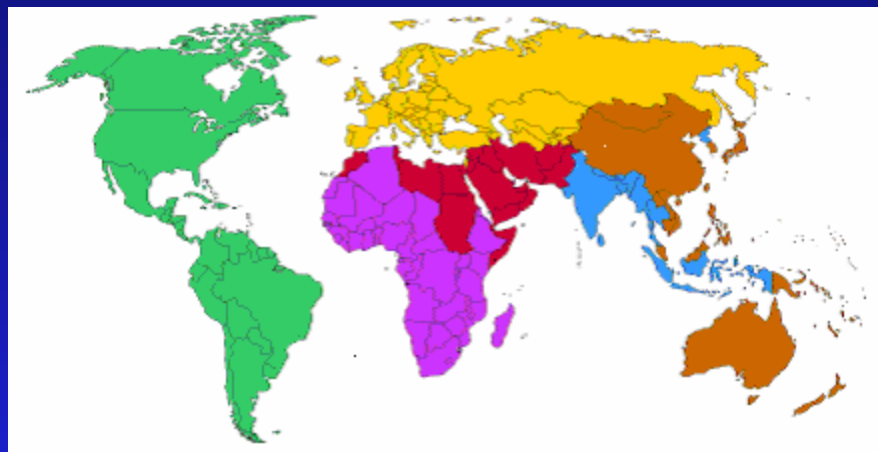Ludwig-Maximilian University of Munich

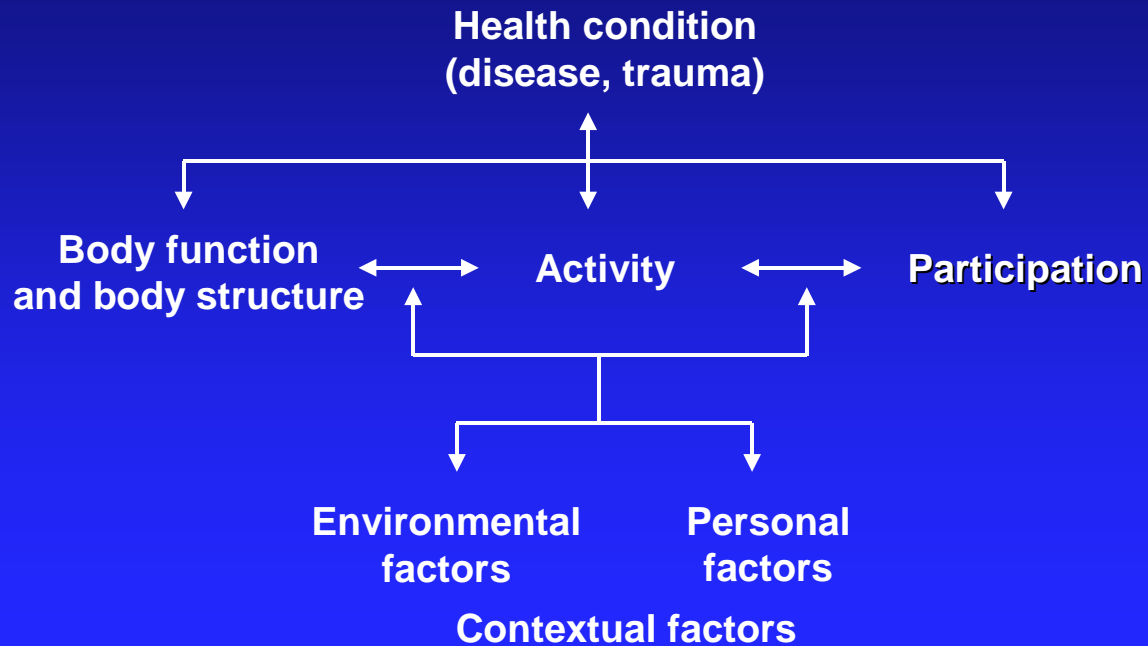# International Classification of Functioning, Disability and Health

ICF

Approved by the World Health Assembly in May 2001

International

The biopsychosocial model of functioning and disability

Health condition
(disease, trauma)

Body function
and body structure — Activity — Participation

Environmental
factors — Personal
factors

Contextual factors

International
Classification of
Functioning,
Disability
and
Health

ICF

World Health Organization
Geneva

ICF provides an international common language and universal conceptual framework for describing functioning, disability and health
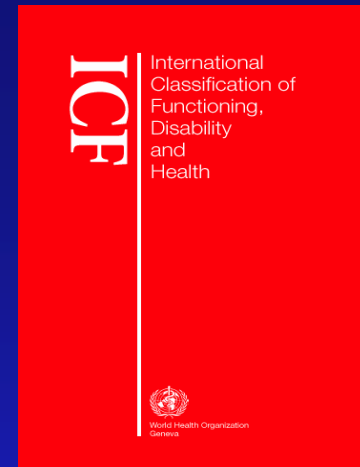
Foundations of the ICF

- International

- Independent of health condition / etiology

- Independent of (health) profession

Contents

A. Introduction

B. One-level classification

C. Two-level classification

D. Detailed classification with definitions

E. Annexes

F. Index

http://www3.who.int/icf/icftemplate.cfm

Body Function & Structure

- Body functions are physiological functions of body systems, including psychological functions

- Body structures are anatomical parts of the body, such as organs, limbs and their components

  – Impairments

Activity & Participation

- **Activity** is the execution of a task or action by an individual. It represents the individual perspective of functioning.

  - – Activity limitations

- **Participation** is involvement in a life situation. It represents the societal perspective of functioning.
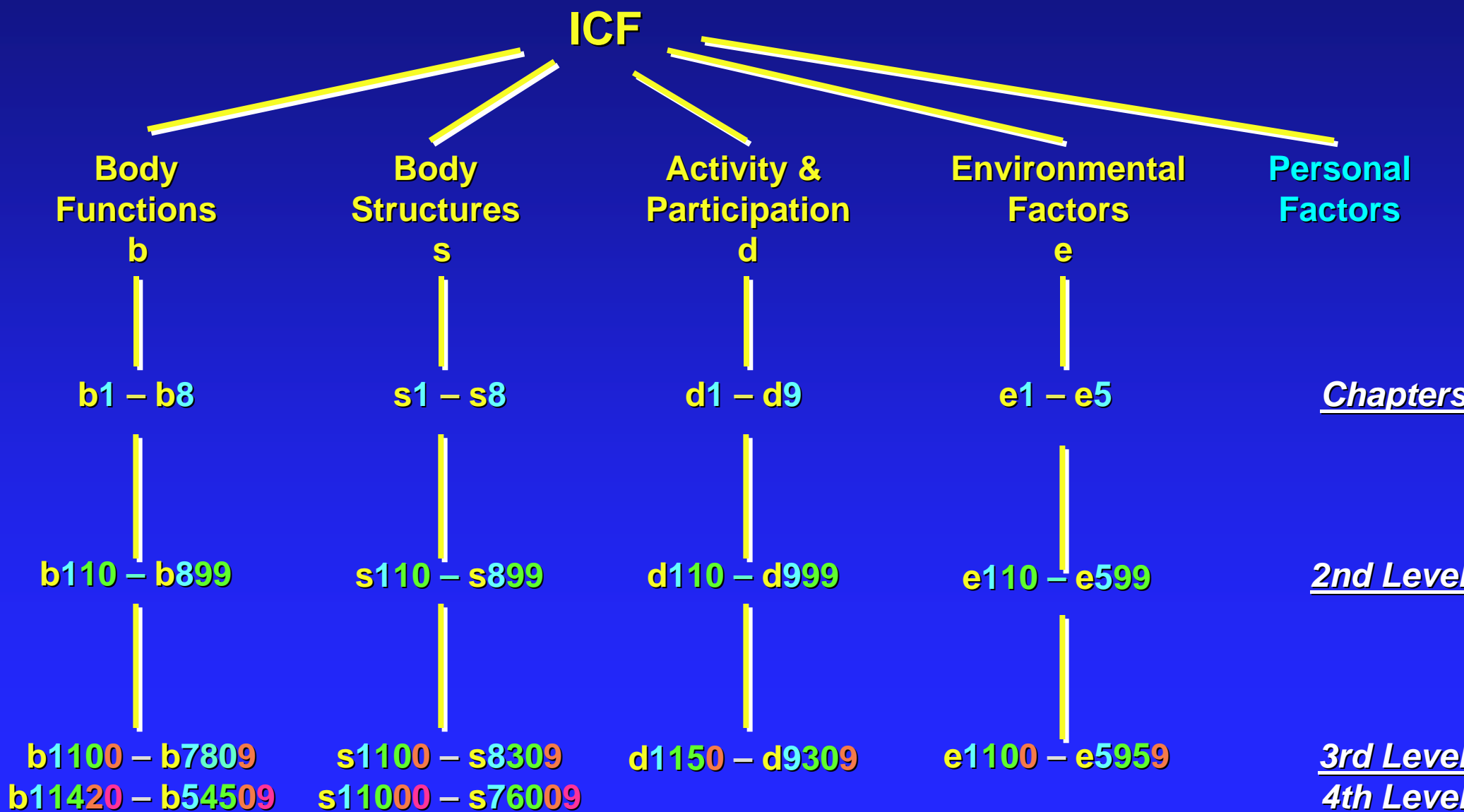
  - – Participation restrictions

Environmental Factors

- Environmental factors make up the physical, social and attitudinal environment in which people live and conduct their lives

  – Environmental factors are external to individuals and can have positive (facilitator) or negative (barrier) influence on the individual

Personal Factors

- e.g. gender, age, race, fitness, lifestyle, habits, social background, other health conditions …

ICF -- Structure

ICF

Body Functions b	Body Structures s	Activity & Participation d	Environmental Factors e	Personal Factors	
b1 – b8	s1 – s8	d1 – d9	e1 – e5		*Chapters*
b110 – b899	s110 – s899	d110 – d999	e110 – e599		*2nd Level*
b1100 – b7809	s1100 – s8309	d1150 – d9309	e1100 – e5959		*3rd Level*
b11420 – b54509	s11000 – s76009				*4th Level*

One-Level Classification

	Body Functions (b)	**Body Structures (s)**
Chapter 1	Mental functions	Structures of the nervous system
Chapter 2	Sensory functions and pain	The eye, ear and related structures
Chapter 3	Voice and speech functions	Structures involved in voice and speech
Chapter 4	Functions of the cardiovascular, haematological, immunological and respiratory systems	Structures of the cardiovascular, immunological and respiratory systems
Chapter 5	Functions of the digestive, metabolic and endocrine systems	Structures related to the digestive, metabolic and endocrine systems
Chapter 6	Genitourinary and reproductive functions	Structures related to the genitourinary and reproductive systems
Chapter 7	Neuromusculoskeletal and movement-related functions	Structures related to movement
Chapter 8	Functions of the skin and related structures	Skin and related structures

One-Level Classification
Activities and Participation (d)

Chapter 1   Learning & Applying Knowledge

Chapter 2   General Tasks and Demands

Chapter 3   Communication

Chapter 4   Movement

Chapter 5   Self Care

Chapter 6   Domestic Life Areas

Chapter 7   Interpersonal Interactions

Chapter 8   Major Life Areas

Chapter 9   Community, Social & Civic Life

One-Level Classification
Environmental Factors (e)

Chapter 1   **Products and technology**

Chapter 2   **Natural environment and human-made changes to the environment**

Chapter 3   **Support and relationships**

Chapter 4   **Attitudes**

Chapter 5   **Services, systems and policies**

Uniform or generic scale (qualifier)

0 NO problem (none, absent, negligible,...)

1 MILD problem (slight, low,...)

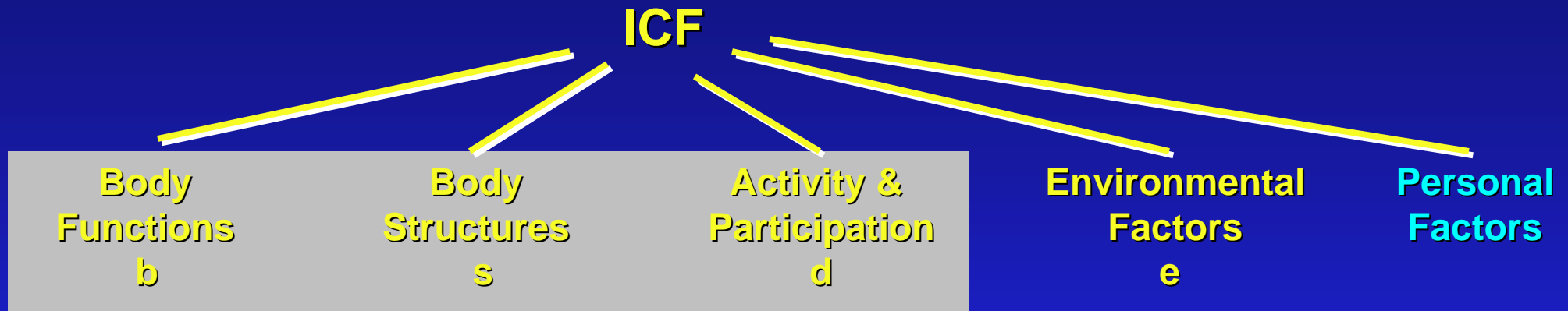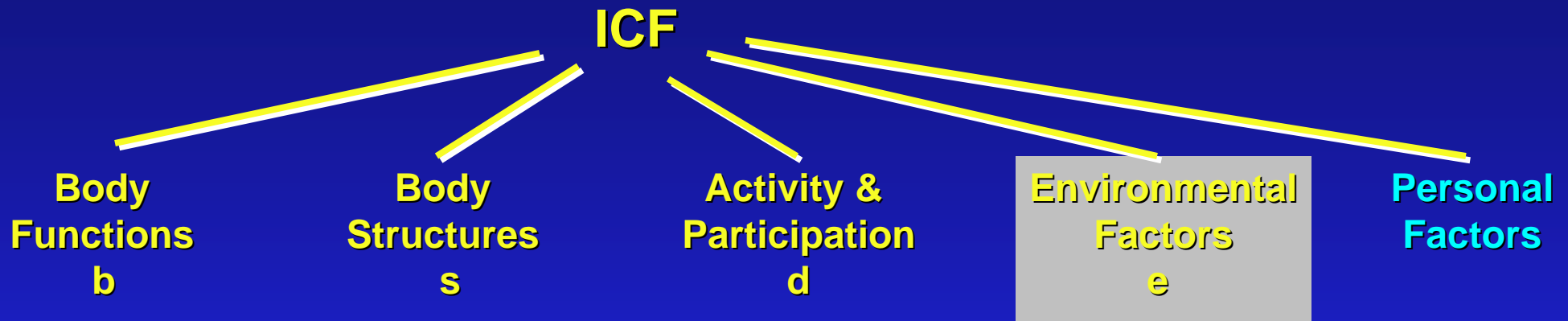**2** MODERATE problem (medium, fair...)

3 SEVERE problem (high, extreme,...)

4 COMPLETE problem (total,...)

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8 not specified (the available information does not suffice to specify the severity of the problem)

9 not applicable (it is inappropriate or not possible to apply the code)

ICF

ICF

| Body Functions b | Body Structures s | Activity & Participation d | Environmental Factors e | Personal Factors |

0 NO problem (none, absent, negligible,…)

1 MILD problem (slight, low,...)

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_____

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9 not applicable (it is inappropriate or not possible to apply the code)

ICF

ICF

| Body Functions b | Body Structures s | Activity & Participation d | Environmental Factors e | Personal Factors |

0 NO barrier

1 MILD barrier

2 MODERATE barrier

3 SEVERE barrier

4 COMPLETE barrier

0 NO facilitator

+1 MILD facilitator

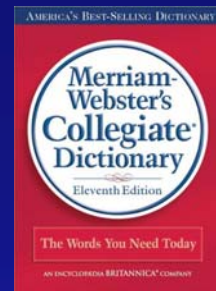+2 MODERATE facilitator

+3 SEVERE facilitator

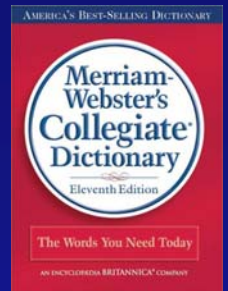+4 COMPLETE facilitator

8   not specified
9   not applicable

ICF Core Sets

Fractions of the ICF relevant for specific health conditions and/or a specific context

- Dictionaries of human languages

  – Words and descriptions of these words which enable us to communicate all aspects of the human experience

    - 300´000 - 600´000 words

- The ICF dictionary

  – Names, codes, and descriptions of categories which enable us to communicate about the human experience in relation to functioning and disability

- How many of the 300´000 - 600´000 words of a spoken language do we need in day-to-day reality?

  – 2000 words cover 85% of the spoken language
  – With additional 2500 words one covers 95%!

- How many of the 1454 ICF categories do we need in clinical practice or research?

- Research
  Clinical encounter (by a single profession)

  – Approximately 10-20   **Brief ICF Core Sets**

- Multi-disciplinary assessment (by a team)

  – approximately 70-150   **Comprehensively ICF Core Sets**

- Selection depends on

  – Health condition
  – Context (acute, postacute, long-term; age)

Comprehensive ICF Core Set

List of ICF categories that includes as few categories as possible to be practical, but as many as necessary to describe the typical spectrum of problems in functioning of patients with a specific condition in a comprehensive, multidisciplinary assessment

Brief ICF Core Set

List of ICF categories that serves as a minimum data set that will be reported in every clinical study to provide a standardized description of the burden of disease

ICF Core Sets for e.g.

- **Chronic widespread pain**
- **Low back pain**
- **Osteoarthritis**
- **Osteoporosis**
- **Rheumatoid arthritis**
- **Chronic ischemic heart disease**
- **Diabetes**
- **Obesity**
- **Obstructive pulmonary diseases**
- **Depression**
- **Breast cancer**
- **Stroke**

The aim

A brief and a comprehensive core set for hearing loss for field tests and validations in year 2011

Invitation

We invite all members of ICRA to participate in the core sets project!