

# Tìm hiểu về khía cạnh mã hóa của ICF

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TLTK: WHO (2008). ICF-International classification of functioning, disability and health.

# Background

- WHO's international classifications:
  - ICD-10 (International Classification of Diseases, Tenth Revision, 1992-1994) → mortality
  - ICIDH (1980, International Classification of Impairment, Disabilities, and Handicaps) → health outcomes
  - ICF (2001, International Classification of **Functioning**, Disability and Health)

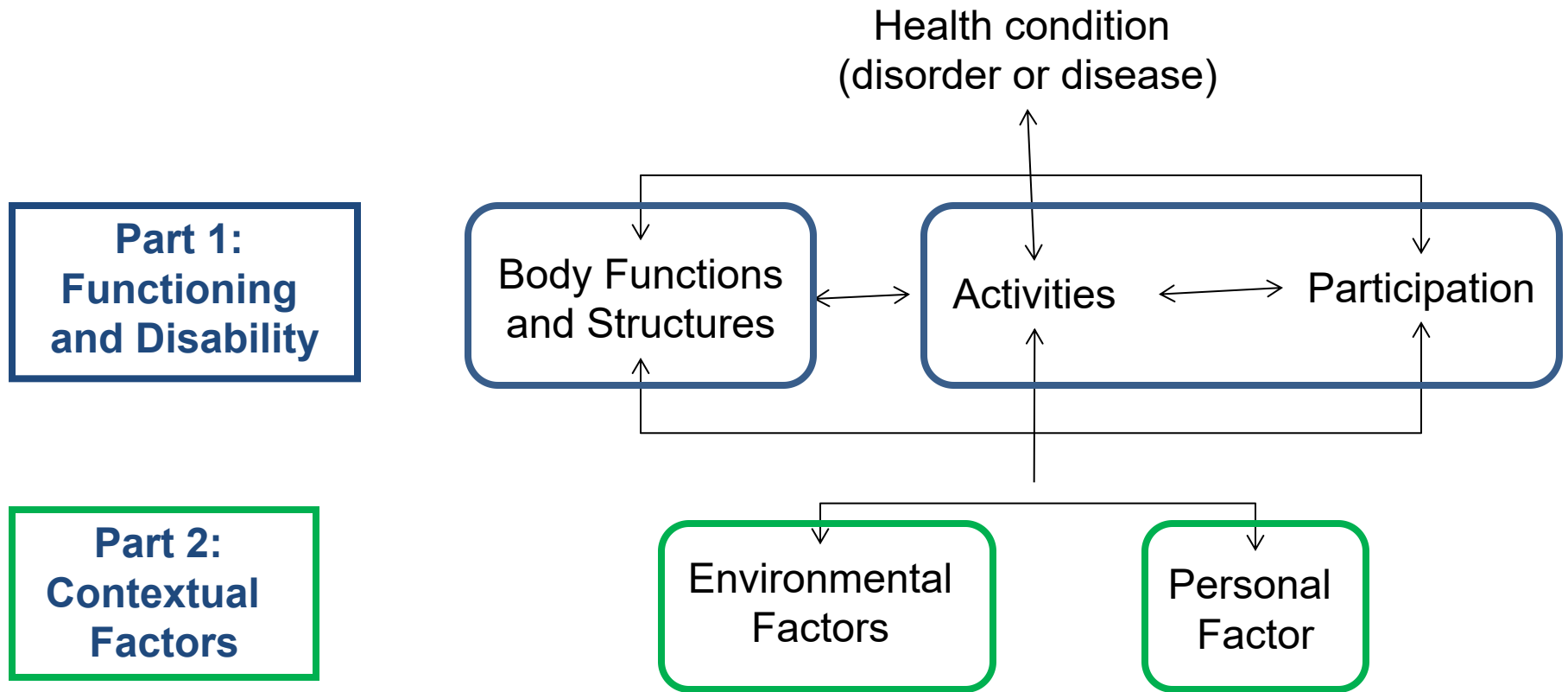
# Aims of ICF

1. To provide a scientific basis for understanding and studying health and health-related states, outcomes and determinants;  
(Cung cấp một nền tảng khoa học để hiểu và nghiên cứu sức khỏe và các tình trạng liên quan sức khỏe, kết quả và các yếu tố xác định)

# Aims of ICF

2. To establish a common language for describing health and health-related states in order to improve communication between different users, such as health care workers, researchers, policy-makers and the public, including people with disabilities;  
(thiết lập ngôn ngữ chung để mô tả)
3. To permit comparison of data across countries, health care disciplines, service and time;  
(cho phép so sánh số liệu)
4. To provide a systematic coding scheme for health information systems  
(cung cấp sơ đồ mã hóa có hệ thống)

# Interactions between the components of ICF



# Components of ICF

	Part 1: Functioning and Disability		Part 2: Contextual Factors	
Components	Body Functions and Structures	Activities and Participation	Environmental Factors	Personal Factors
Domains	Body functions Body structures	Life areas (tasks, actions)	External influences on functioning and disability	Internal influences on functioning and disability
Constructs	Change in body functions (physiological)  Change in body structures (anatomical)	Capacity Executing tasks in a standard environment  Performance Executing tasks in the current environment	Facilitating or hindering impact of features of the physical, social, and attitudinal world	Impact of attributes of the person
Positive aspect	Functional and structural integrity	Activities Participation	Facilitators	Not applicable
	Functioning			
Negative aspect	Impairment	Activity limitation Participation restriction	Barriers / hindrances	Not applicable
	Disability			

# Use of ICF

<b>b</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>2</b>		<b>.</b>	<b>2</b>
Component	One-level: Chapter number	Second level	Third level	Fourth level			Qualifier
b: Body function s: Body structure d: Activities and Participation e: Environmental Factors	Neuromusculoskeletal and movement-related functions						MODERATE 25-49%
	Muscle power function						
	Power of muscles of one side of the body						

QUALIFIER			
xxx.0	NO problem	(none, absent, negligible,...)	0-4%
xxx.1	MILD problem	(slight, low,...)	5-24%
xxx.2	MODERATE problem	(medium, fair...)	25-49%
xxx.3	SEVERE problem	(high, extreme,...)	50-95%
xxx.4	COMPLETE problem	(total,...)	96-100%
xxx.8	Not specified		
xxx.9	Not applicable		

# One-level classification

## ACTIVITIES AND PARTICIPATION

Chapter 1	Learning and applying knowledge
Chapter 2	General tasks and demands
Chapter 3	Communication
Chapter 4	Mobility
Chapter 5	Self-care
Chapter 6	Domestic life
Chapter 7	Interpersonal interactions and relationships
Chapter 8	Major life areas
Chapter 9	Community, social and civic life

# Two-level classification

## ENVIRONMENTAL FACTORS

### Chapter 3: Support and relationships

e310	Immediate family
e315	Extended family
e320	Friends
e325	Acquaintances, peers colleagues, neighbours and community members
e330	People in positions of authority
e335	People in subordinate positions
e340	People care providers and personal assistants
e345	Strangers
e350	Domesticated animals
e355	Health professionals
e360	Health-related professionals
e398	Support and relationships, other specified
e399	Support and relationships, unspecified

# Detailed classification with definitions

Code	Definition
s11002	<b>Parietal lobe</b>
b7302	<b>Power of muscles of one side of the body</b> Functions related to the force generated by the contraction of muscles and muscle groups found on the left or right side of the body <b>Inclusion:</b> impairment such as hemiparesis and hemiplegia
b16710	<b>Expression of spoken language</b> Mental functions necessary to produce meaning spoken messages
d330	<b>Communicating-Speaking</b> Producing words, phrases and longer passages in spoken messages with literal and implied meaning, such as expressing a fact or telling a story in oral language
e5400	<b>Transportation services</b> Services and programmes aimed at moving persons or goods by road, paths, rail, air or water, by public or private transport, including those who provide these services. <b>Exclusion:</b> products for personal mobility and transportation (e115)

# Ví dụ về áp dụng ICF

Một người yếu nửa người phải do TBMMN thùy đỉnh (T). Khám thấy tăng trương lực cơ, dáng đi quét vòng điển hình và khó khăn về nói. Tay (P) nắm đồ chưa tốt, mặc đồ hơi chậm. Người nhà đôi khi khó chịu vì không thể hiểu bệnh nhân nói gì.

Code	Definition
s11002	Parietal lobe
b7302	Power of muscles of one side of the body
b7352	Tone of muscles of one side of body
b770	Gait pattern function
b16710	Expression of spoken language
d4301	Carrying in the hands
d5400	Putting on clothes
d330	Communicating-Speaking
e410	Individual attitudes of immediate family members

# Vài suy nghĩ về sử dụng ICF

- Hiểu về mô hình ICF là quan trọng nhất
- Việc mã hóa cần tập trung vào vấn đề trọng tâm
- Sử dụng các định nghĩa rõ ràng trong ICF để định hướng cách ghi chép, phân loại vấn đề