Summary Mission Reports Part 2
Analysis of surveys

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ICF

Contents:

1. Short reminder why the ICF?
2. Reference Framework and Structure for analysis + examples
1 – 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.
1. 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.
Proposed framework how WHO-FIC can support collection of comparable data

Health condition (disorder or disease)

Body Functions and Structures ↔ Activities ↔ Participation

Environmental factors ↔ Personal factors

Reference Classifications

ICD
ICF
ICHI
For reasons of International comparability of questionnaires and data we decided on two things,

To work in a Reference Framework

*ICF components* as presented in Session 2 and sheet 4

To use a Structure for analysis

*Disability definition*

*Introductory phrase/question*

*Screening question*

*Disability questions/items*

*Response categories*

*Other relevant items*
The material

Before every regional meeting:

Collected several documents from several sources:
- the UNSD database, local database, if present
- the questionnaires received during the six meeting from the participating countries
- and the content of the presentations, if presented differently
- all around the 2010 census round

Analysis of the documents according the presented structure:
- by mapping to relevant ICF categories (or ICD-10)
- depending on the context of the used terminology
- observations concerning the use of terms
Example of analysis

Paraguya Census 2012

Disability definition

Introductory phrase/question

Screening question

Disability questions/items

See table

Response categories

Cannot do at all
Yes, with great difficulty
Yes, with some difficulty
No, no difficulty
Don’t know, refusal

Other relevant items

From 2 years and above
<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>
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</thead>
<tbody>
<tr>
<td>Has -NAME- permanent difficulty with:</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>seeing (even when using glasses or lenses)</td>
<td>b210*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>e1251*</td>
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<tr>
<td>hearing (even when using a hearing aid)</td>
<td>b230*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>e1251*</td>
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<tr>
<td>walking, climbing stairs using arms and hands for performing tasks</td>
<td></td>
<td></td>
<td>d450* + d4551*</td>
<td>d430-d449</td>
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<tr>
<td>understanding or learning mental retardation</td>
<td>Ch V Q90 F84</td>
<td>b117?</td>
<td></td>
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<td>Down Syndrome</td>
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<td>Ch V Ch V</td>
<td>b1</td>
<td>b152</td>
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<td>transgender</td>
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</table>
Regional comparing

Comparing countries with the ICF

Examples from 6 regional meetings
South East Asian Region – 16 Countries
Disability questions/items / Functions/Structures

FREQUENCY (16)

- mental functions: 8
- concentrating: 6
- remembering: 6
- seeing functions: 16
- hearing functions: 6
- voice and speech functions: 4
- voice functions: 3
- n. and movement related functions: 1
- movement functions: 2
- structure of shoulder region: 1
- structure of upper extremity: 1
- structure of lower extremity: 1

B BODY FUNCTIONS
- b1 MENTAL FUNCTIONS
- b2 SENSORY FUNCTIONS AND PAIN
- b210-b229 SEEING AND RELATED FUNCTIONS
  - b210 Seeing functions
  - b2100 Visual acuity functions
  - b2101 Visual field functions
  - b2102 Quality of vision
  - b21020 Light sensitivity
  - b21021 Colour vision
  - b21022 Contrast sensitivity
  - b21023 Visual picture quality
  - b21028 Quality of vision, other specified
  - b21029 Quality of vision, unspecified
  - b2108 Seeing functions, other specified
  - b2109 Seeing functions, unspecified
  - b215 Functions of structures adjoining the eye
South East Asian Region – 16 Countries
Disability questions/items/Activity/Participation

<table>
<thead>
<tr>
<th>Activity/Participation</th>
<th>Frequency</th>
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<tbody>
<tr>
<td>learning</td>
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<tr>
<td>communication</td>
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</tr>
<tr>
<td>speaking</td>
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<tr>
<td>mobility</td>
<td>4</td>
</tr>
<tr>
<td>lifting and carrying objects</td>
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</tr>
<tr>
<td>walking</td>
<td></td>
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<tr>
<td>climbing (stairs)</td>
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<tr>
<td>self care</td>
<td>4</td>
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<tr>
<td>washing</td>
<td>2</td>
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<tr>
<td>dressing</td>
<td>2</td>
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<tr>
<td>regulating behaviours within interactions</td>
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</table>

Regulating behaviours within interactions:
- d3 COMMUNICATION
- d330-d349 COMMUNICATING - PRODUCING
- d330 Speaking
- d335 Producing nonverbal messages
- d340 Producing messages in formal sign language
- d345 Writing messages
- d349 Communication - producing, other specified and unspecified
- d350-d369 CONVERSATION AND USE OF COMMUNICATION DEVICES
- d398 Communication, other specified
- d399 Communication, unspecified
Caribbean Region – 22 Countries
Disability questions/items / Functions/Structures

- Mental functions: 11
- Concentrating: 14
- Remembering: 16
- Emotional functions: 7
- Thought functions: 2
- Seeing functions: 22
- Hearing functions: 22
- Voice functions: 3
- Movement related functions: 3
- Structures of head and neck: 1
- Structures of upper extremities: 5
- Structures of lower extremities: 5
- Structures of trunk: 1

Frequency (out of 22)
Caribbean Region – 22 Countries
Disability questions/items/Activity/Participation/Environmental Factors

- learning and applying knowledge: 17
- communication: 19
- ‘understanding’: 6
- speaking: 10
- mobility: 2
- squating: 2
- kneeling: 3
- standing: 2
- lifting: 2
- carrying: 2
- gripping: 6
- walking: 20
- climbing stairs: 17
- reaching: 3
- moving around: 5
- selfcare: 17
- washing: 8
- dressing: 8
- eating: 1
- looking after ones health: 1
- domestic life: 1
- shopping: 1
- education: 4
- employment: 6
- community, social and civic life: 2
- recreation and leisure: 2
- assistive product/mobility: 1
- assistive products for communication: 19

Frequency (out of 22)
**African – 32 Countries**  
Disability questions/items/Functions/Structures

<table>
<thead>
<tr>
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<tr>
<td>MENTAL FUNCTIONS</td>
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<td>FUNCTIONS OF SKIN AND RELATED...</td>
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<tr>
<td>STRUCTURE OF LOWER EXTREMITY</td>
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</tbody>
</table>
African - 32 Countries
Disability questions/items/Activity/Participation/Environmental Factors

- learning: 5
- handling stress/psychological demands: 1
- communication: 2
- understanding others: 2
- speaking: 15
- being understood by others: 2
- mobility: 6
- sitting: 1
- standing: 1
- grasping/holding: 1
- walking: 14
- climbing (stairs): 9
- self care: 6
- washing: 3
- dressing: 2
- eating: 2
- looking after one's health: 1
- regulating behaviour/interactions: 1
- education: 2
- work and employment: 1
- economic life: 1
- assistive products for mobility/transportation: 1
- assistive products for communication: 6

Frequency (out of 32)
# Arabic - 17 (19-2) Countries
Disability questions/items/Functions/Structures

- **MENTAL FUNCTIONS**
  - Frequency (out of 19-2 (17)): 4

- **SPECIFIC MENTAL FUNCTIONS**
  - Frequency (out of 19-2 (17)): 2

- **CONCENTRATING**
  - Frequency (out of 19-2 (17)): 7

- **REMEMBERING**
  - Frequency (out of 19-2 (17)): 7

- **SEEING FUNCTIONS**
  - Frequency (out of 19-2 (17)): 17

- **HEARING FUNCTIONS**
  - Frequency (out of 19-2 (17)): 17

- **VOICE AND SPEECH FUNCTIONS**
  - Frequency (out of 19-2 (17)): 4

- **VOICE FUNCTIONS**
  - Frequency (out of 19-2 (17)): 6

- **NEUROMUSCULOSKELETAL AND MOVEMENT RELATED SYSTEM**
  - Frequency (out of 19-2 (17)): 2

- **MOVEMENT FUNCTIONS**
  - Frequency (out of 19-2 (17)): 2

- **STRUCTURE OF EYEBALL**
  - Frequency (out of 19-2 (17)): 1

- **STRUCTURE OF UPPER EXTREMITY**
  - Frequency (out of 19-2 (17)): 2

- **STRUCTURE OF LOWER EXTREMITY**
  - Frequency (out of 19-2 (17)): 2
<table>
<thead>
<tr>
<th>Activity/Participation/Environmental Factors</th>
<th>Frequency (out of 19 -2 (17))</th>
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<tbody>
<tr>
<td>LEARNING</td>
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<tr>
<td>COMMUNICATION</td>
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<tr>
<td>UNDERSTANDING OTHERS</td>
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<td>SPEAKING</td>
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<td>BEING UNDERSTOOD BY OTHERS</td>
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<td>MOBILITY</td>
<td>3</td>
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<tr>
<td>LIFTING AND CARRYING OBJECTS</td>
<td>1</td>
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<tr>
<td>WALKING AND MOVING</td>
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<tr>
<td>WALKING</td>
<td>8</td>
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<tr>
<td>CLIMBING (STAIRS)</td>
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<td>SELF CARE</td>
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<td>WASHING</td>
<td>5</td>
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<td>DRESSING</td>
<td>5</td>
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<tr>
<td>REGULATING BEHAVIOUR/INTERACTIONS</td>
<td>1</td>
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<tr>
<td>INTERACTING WITH SOCIAL RULES</td>
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<tr>
<td>PART-TIME EMPLOYMENT</td>
<td>2</td>
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<tr>
<td>FULL-TIME EMPLOYMENT</td>
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<tr>
<td>ASSISTIVE PRODUCTS FOR MOBILITY/TRANSPORTATION</td>
<td>12</td>
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<tr>
<td>ASSISTIVE PRODUCTS FOR COMMUNICATION</td>
<td>6</td>
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</tbody>
</table>
Latin Americas - 15 (19-4) Countries
Disability questions/items/Functions/Structures

- **MENTAL FUNCTIONS**: 8
- **INTELLECTUAL FUNCTIONS**: 1
- **CONCENTRATING**: 3
- **REMEMBERING**: 3
- **EMOTIONAL FUNCTIONS**: 1
- **SEEING FUNCTIONS**: 15
- **HEARING FUNCTIONS**: 15
- **VOICE FUNCTIONS**: 3
- **RESPIRATORY FUNCTIONS**: 1
- **STRUCTURE OF UPPER EXTREMITY**: 3
- **STRUCTURE OF LOWER EXTREMITY**: 3

*Frequency (15 out of 19-4)*
Latin Americas 15 (19-4) Countries
Disability questions/items/Activity/Participation/Environmental Factors

- Learning: 6
- Communication: 4
- Understanding Others: 5
- Speaking: 11
- Being Understood by Others: 1
- Mobility: 1
- Carrying and Moving Objects: 9
- Grasping/Holding: 5
- Manipulating: 5
- Walking and Moving: 1
- Walking: 14
- Moving Around: 4
- Climbing (Stairs): 9
- Self Care: 7
- Washing: 4
- Dressing: 4
- Eating: 3
- Interpersonal Interactions and...: 5
- School Education: 5
- Work and Employment: 5
- Playing: 5
- Assistive Products for Communication: 21
- Support and Relationships: 2

Frequency (15 out of 19-4)
International comparing

Comparing regions with the ICF

*Grouped results from 6 regional meetings*

*Frequency > 20*
All - 114 (131-17) Countries
Disability questions/items/Functions/Activities/Participation/Environmental Factors

- mental functions: 48
- concentrating: 47
- remembering: 48
- seeing functions: 109
- hearing functions: 109
- voice functions: 26
- learning (and applying knowledge): 36
- communication: 47
- understanding others: 24
- speaking: 61
- mobility: 26
- walking: 73
- climbing (stairs): 55
- self care: 33
- washing: 26
- dressing: 25
- assistive products for communication: 70
Observations

Comparing items on disability mapped to the ICF:

*Frequency > 20*
- 17 items are used most frequent
- Items in questionnaires are named in many different ways
- WG-SS split-items are recognisable
- WG-SS questions are recognisable, but almost never as intended in SS
- Some items not in the top 17 seem relevant to certain regions

- different terminology: long term disability, major disability or impairment, longstanding illness or disability or infirmity that limits you, permanent disability, longstanding disability, disability status, impediments, etc
- different terms for the same referent: vision, seeing, eye-sight, blindness, sees, visual impaired, etc.
Observations

Items are not covering the ICF principle of the BPS approach: maybe not realistic

The Medical model is very dominant in the questionnaires, even though some countries aim at the BPS approach: functioning as the core of what disability is about

Possible solution is to strive for:
- a basic set of items (not questions combining items) for international comparing, using the same terms/items, incl. items for children
- a basic set of items + local extensions for National use
- an extended set for international comparing for countries with specific goals: such as for commitment to the SDG’S
One last observation
Thank You