



### **Model Disability Survey**

UN Sub-Regional Meeting on
Disability Measurement and Statistics in support of the 2030 Agenda for
Sustainable Development and the 2020 World Population and Housing
Census Programme
Almaty, Kazakhstan, 6-8 June 2017

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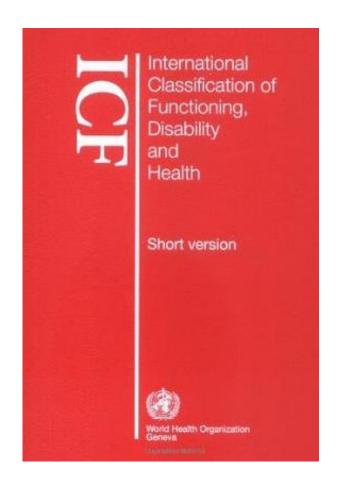
Disability and Rehabilitation Team
WHO Department of Violence and Injury Prevention and Disability

# 1. Conceptual basis

2. Measurement

3. Available versions

4. Implementations





# International Classification of Functioning, Disability and Health

Disability (or functioning) as the outcome of the interaction between health conditions or impairments and environmental factors



#### **Health Condition**



#### **FUNCTIONING/DISABILITY**



#### **Stroke**



### **FUNCTIONING/DISABILITY**

Memory Fatigue Sleep Self-care
Mobility
Communication

Work
Social life
Relationships

Dimensions of functioning	Dimensions of disability
Body functions	Impairments
Activities	Activities limitations
Participation	Participation restrictions

#### **Stroke**



### **FUNCTIONING/DISABILITY**

Memory Fatigue Sleep

Self-care
Mobility
Communication

Work
Social life
Relationships





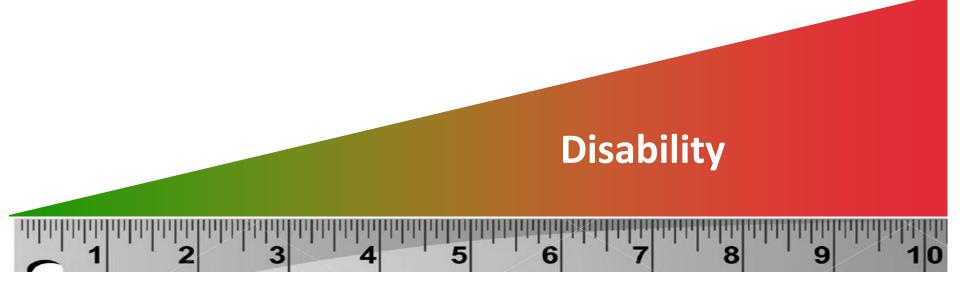


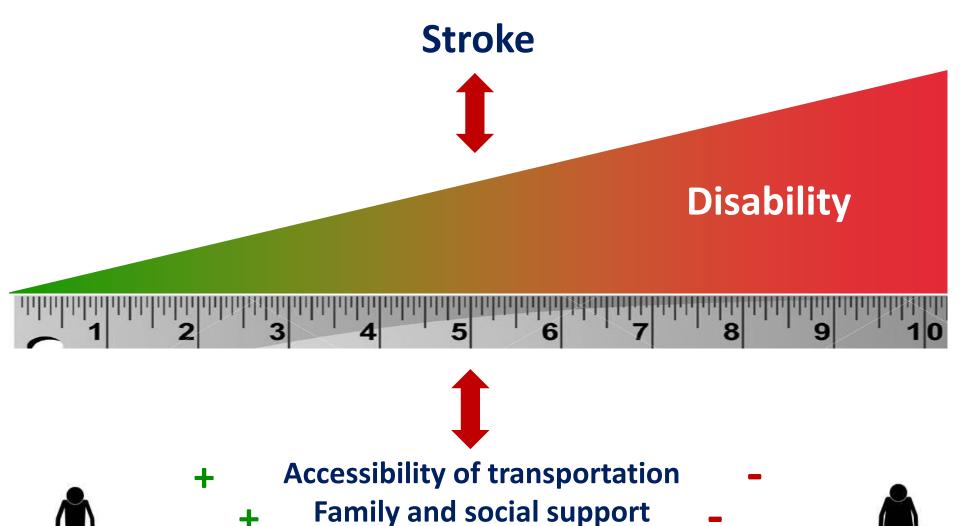




## Disability as a <u>continuum</u>, <u>ranging from low</u> <u>to high levels</u>

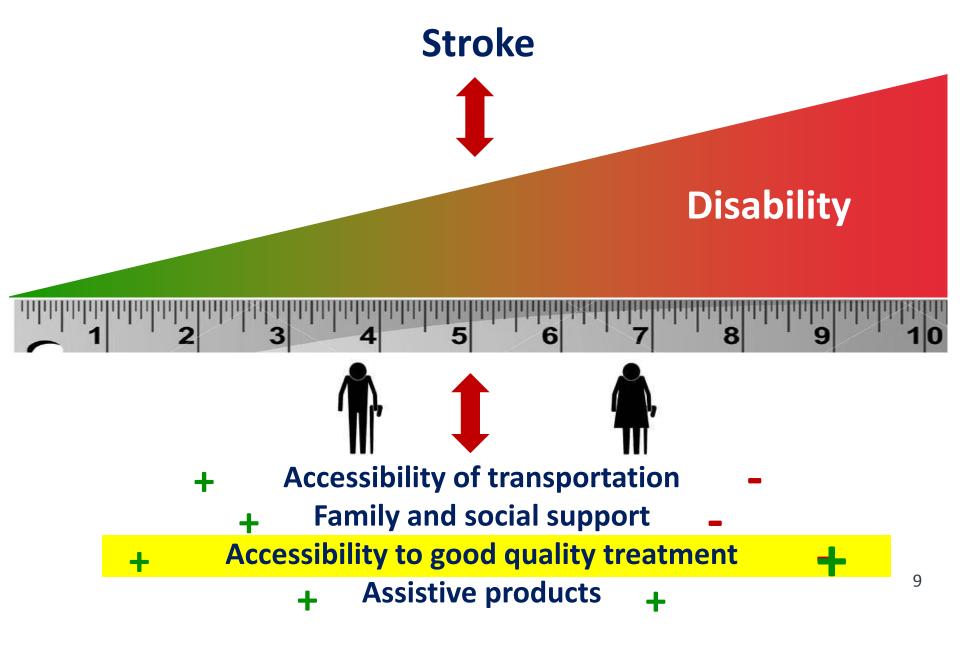






Accessibility to good quality treatment

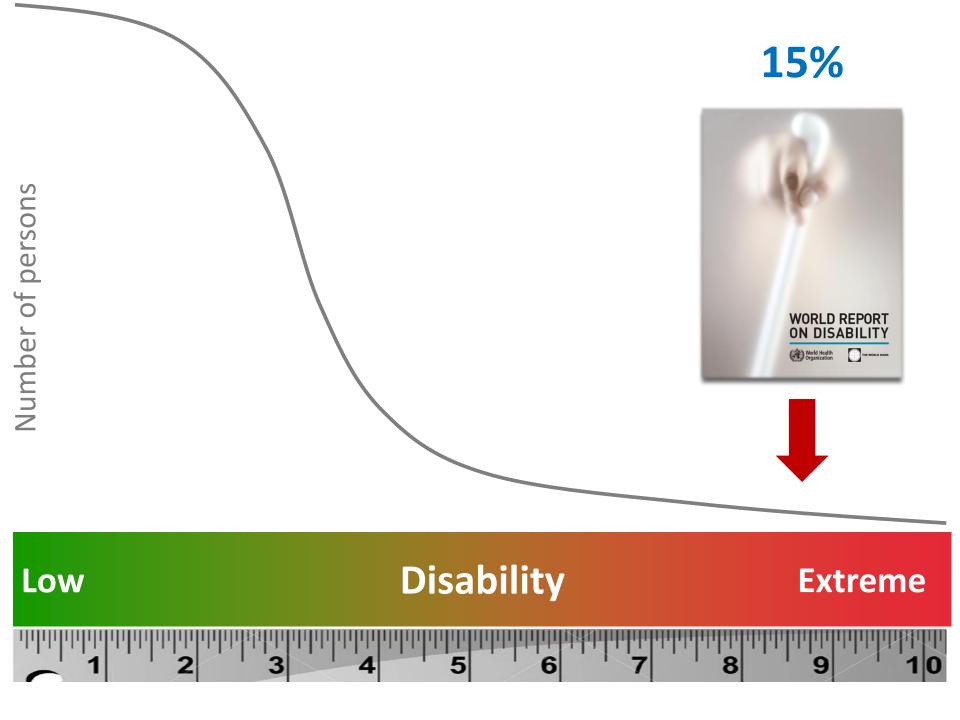
**Assistive products** 



# MDS goes beyond focusing on persons with physical or sensory impairments (e.g. blindness, deafness, lack of a limb)

- REPRESENTATIVE SAMPLE GENERAL POPULATION
- NO FILTERS ARE APPLIED





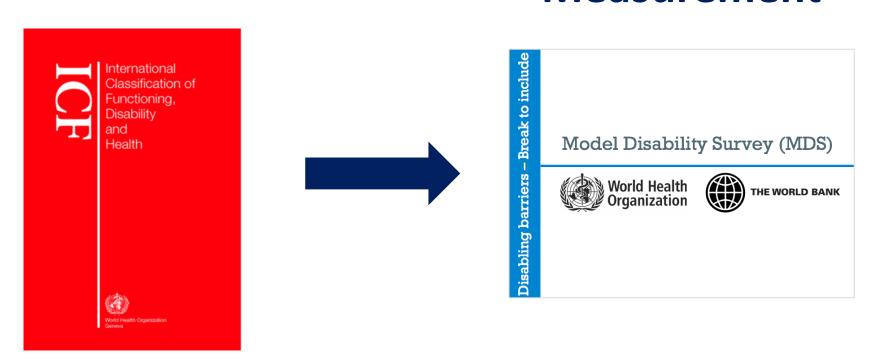
# 1. Conceptual basis

## 2. Measurement

- 3. Available versions
- 4. Implementations

#### **ICF Classification**

### MDS Measurement



How to operationalize disability for measurement purposes?

#### **Key ICF Concepts**

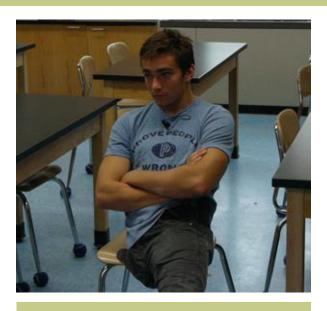
#### **Capacity**

Inherent or intrinsic
feature of a person to
do an action or execute
a task
"under the skin"

#### **Performance**

Doing of an action or execution of a task in the actual context of the individual "lived experience"

#### **Capacity**



Intrinsic capacity of the body

#### **Performance**



Result of the interaction of capacity with the environment and the person



#### Missing limb

#### **Health Condition**



#### **CAPACITY**





#### Missing limb

#### **Health Condition**



#### PERFORMANCE=DISABILITY







Section
3000
(A+B)
Environmental
factors

Section
4000
Performance

Section
5000
Health Conditions
&
Capacity

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	MDS Full version (2012)	MDS Brief version (2016)
Context	Stand alone survey national implementations	Integration in health and further specific surveys
Time frame	Every 5 to 10 years	Flexible, continuous
Length	60 – 120 minutes	10-15 minutes
Number of modules	8	3 (core)

MDS Full version Section
3000
(A+B)
Environmental
factors

Section 4000

Performance

Section 5000

Health Conditions &

Capacity

Brief MDS

15 questions

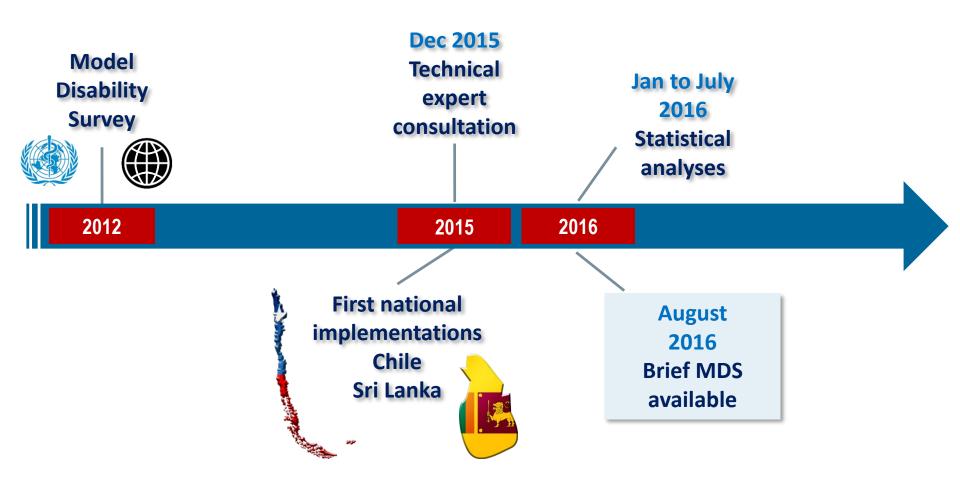


12 questions



13 questions

#### **Development Brief MDS**



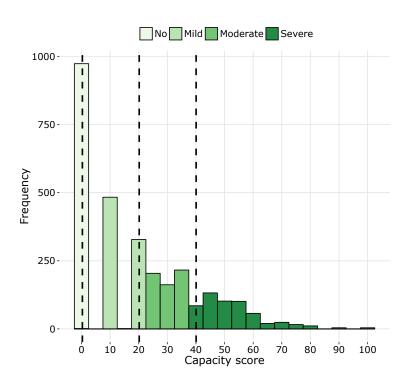
#### **Goals Brief MDS**

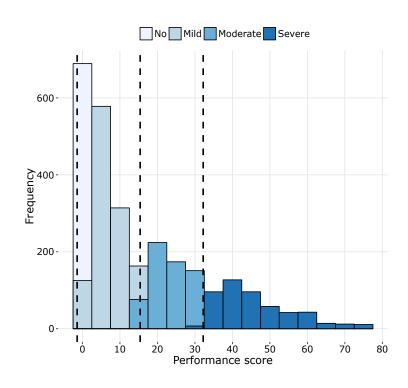
- To estimate and monitor changes on the continuum of disability:
  - in the country through general population surveys, such as health surveys
  - b. for specific populations through specific surveys, such as labour force surveys

#### Sri Lanka



#### **Performance**







**U** No

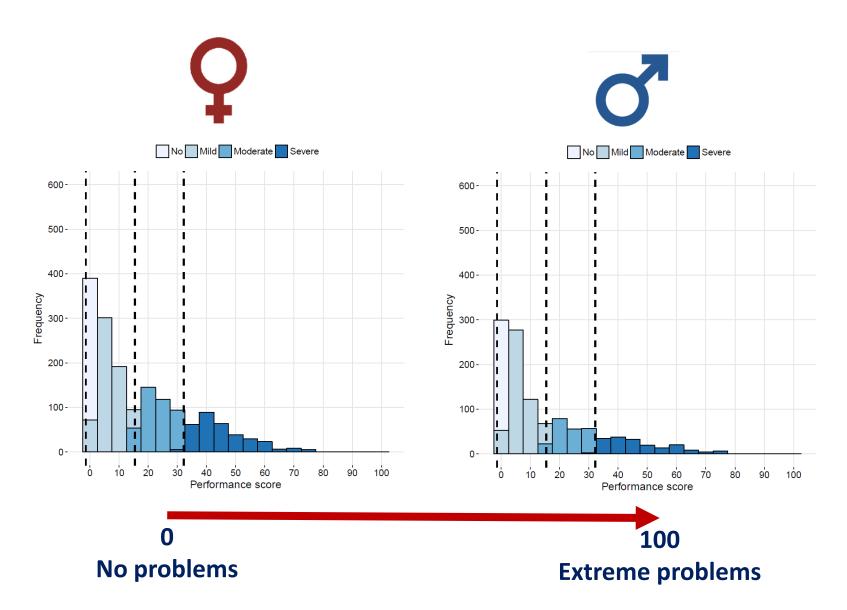
problems

100 Extreme

problems

# Are levels of disability higher in women than in men?

Sri Lanka



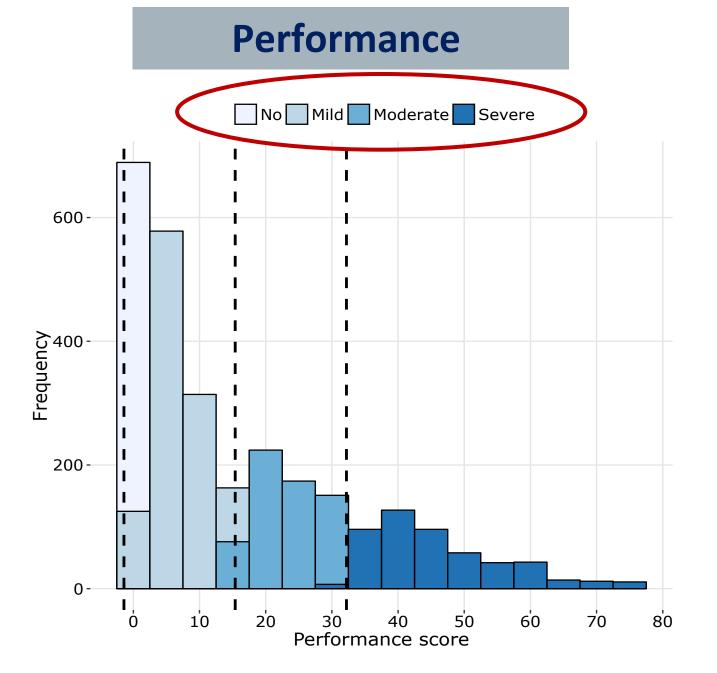
#### **Goals Brief MDS**

2. To define who experiences mild, moderate or severe disability for disaggregation purposes

#### SUSTAINBLE DEVELOPMENT GOALS







#### **Sri Lanka**

#### **GOAL 8**

#### Chile



























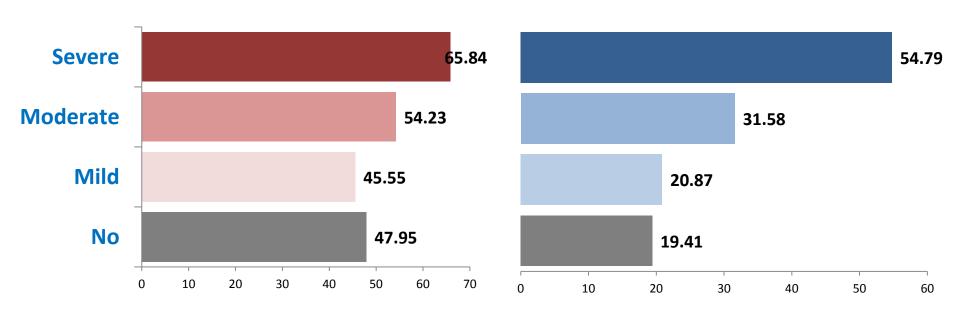


**Indicator 8.5.2: Unemployment rate, by** 

sex, age and persons with disabilities

#### % unemployed





#### **Goals Brief MDS**

- To deliver basic information on features of environmental barriers and needs associated with different levels of disability.
  - Hindering aspects of the general environment (4 questions)
  - Family and social support (3 questions)
  - Attitudes of others (2 questions)
  - Use and need of personal assistance (3 questions)
  - Use and need of assistive devices (3 questions)

#### Implementation Guide\*







#### Brief Model Disability Survey (Brief MDS)

IMPLEMENTATION GUIDE

MAI 2017

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#### 1 Introduction

This implementation guide has been prepared for users of the Brief version of the Model Disability Survey (MDS), a general population survey developed by the World Health Organization and the World Bank in collaboration with a diverse group of stakeholders.

The MDS is grounded in the International Classification of Functioning, Disability and Health (ICF) and its core goals are to:

- Provide detailed and nuanced information on the lives of people with disability;
- Allow comparison between groups with differing levels and profiles of disability; and
- Provide the evidence needed by policy-makers to identify which interventions are required to optimize the inclusion and functioning of people with disability.

While the MDS is a full general population survey, the Brief version of the MDS was developed to be integrated in health and other specific surveys to guarantee easy and straightforward, continuous monitoring of functioning and disability in a region or country.

The Brief MDS includes therefore only fundamental MDS modules necessary to describe disability – module 3000 environmental factors; module 4000 functioning; and module 5000 capacity and health conditions – and a reduced number of questions.

As the Brief MDS is not a stand-alone survey, this implementation guide does not include usual manual information, for example how to conduct interviews or approach households, but focuses on introducing the Brief MDS and its goals as well as on providing a straightforward question-by-question guide.

A detailed manual of the Model Disability Survey (MDS) is available on request from disability@who.int.

#### 2 How is disability defined in the Model Disability Survey?

The definition of disability in a survey is of core importance because it will influence the generated estimates, for instance the rate of persons with severe disability. In the MDS – an ICF based survey – disability is understood as:

- The outcome of an interaction between a person's health condition(s) and the physical, human-built, attitudinal and socio-political environment in which the person lives. It is not solely the result of an internal attribute of the person due to impairments or health conditions.
- A continuum, ranging from no disability (or full functioning) to very high levels of disability. Disability is therefore a matter of degree, and the experience of disability is diverse and universal.
- Etiologically neutral. The nature and degree of disability cannot be directly inferred from health conditions. Etiological neutrality ensures parity between disability arising from physical and mental health conditions.

#### 3 How is disability measured in the Model Disability Survey?

For disability measurement purposes, two key ICF concepts are used in the MDS: capacity and performance. Capacity is the synthesis of all the intrinsic physical and mental functioning of a person, determined by his or her health conditions or impairments. Persons with especially severe capacity difficulties have specific needs that must be addressed to avoid severe problems with performance. Performance represents the outcome of the interaction between the individual's capacity and features of the physical, human-built, attitudinal and socio-political

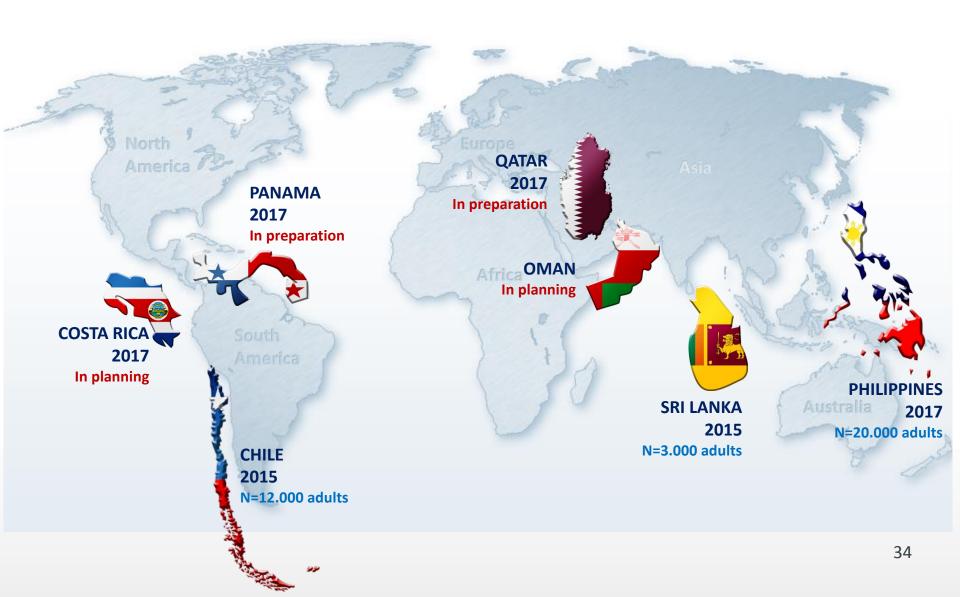
2

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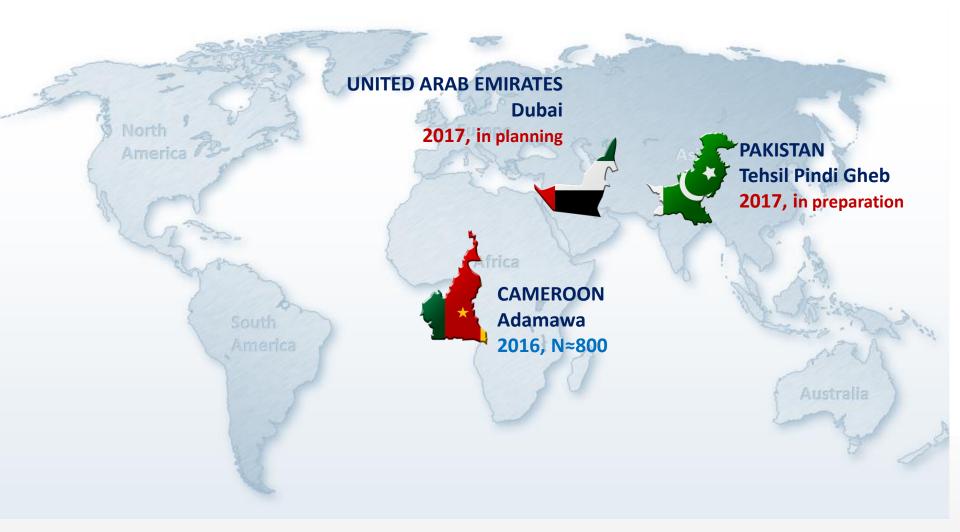
#### **PILOT STUDIES**



#### **NATIONAL SURVEYS**



#### **REGIONAL SURVEYS**



# Any questions?

# Thank you for your attention

Long and brief MDS available at:

http://www.who.int/disabilities/data/mds/en/