



Model Disability Survey

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1. Development process

- 2. Conceptual basis
- 3. Data

Development process

PHASE ONE

MAPPING DRAFTING

- A) Review available surveys
- B) Statistical analysis with microdata
- C) Draft of a Zero MDS version
- D) Expert Consensus

Nov 2011 ha Versic Dec 2012

PHASE TWO

TESTING & FURTHER DEVELOPMENT

- Cognitive testing
- Pilot studies

Aug 2013

PHASE THREE

IMPLEMENTATION

National Disability Surveys:

- MDS as stand alone survey
- Addition of Brief MDS existing surveys and data collection platforms

Nov 2014

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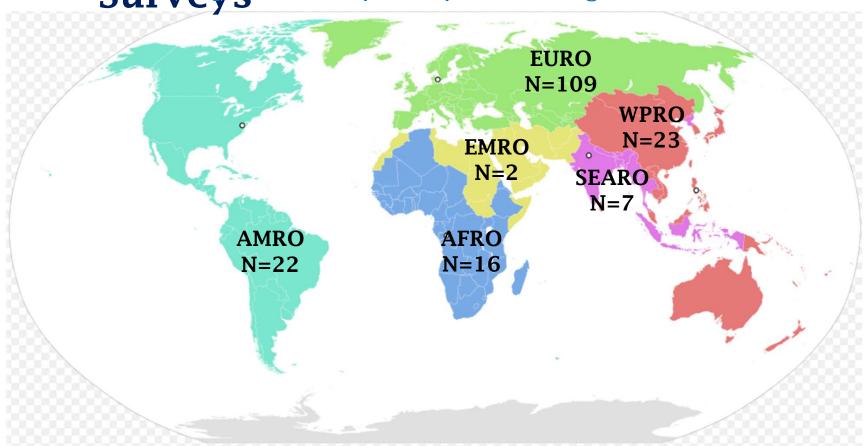
Aug 2013

Dec

Nov

179 Health and Disability

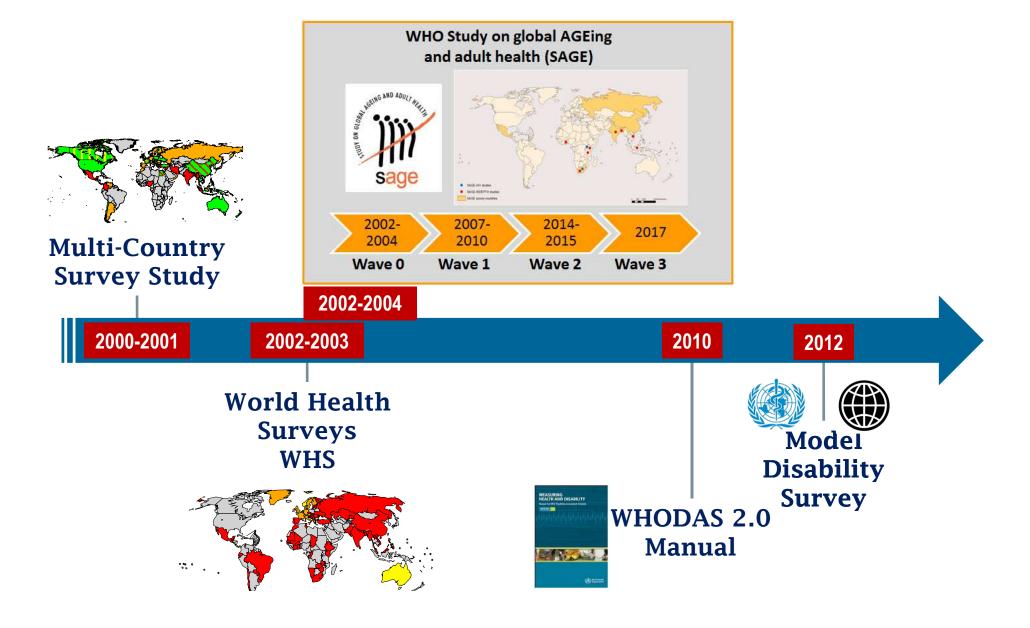
Survey.checkdesign.de/



12 surveys selected for data analyses



World Health Organization Tradition measuring functioning and disability



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Cognitive testing

Three rounds: 2013, 2014, 2015

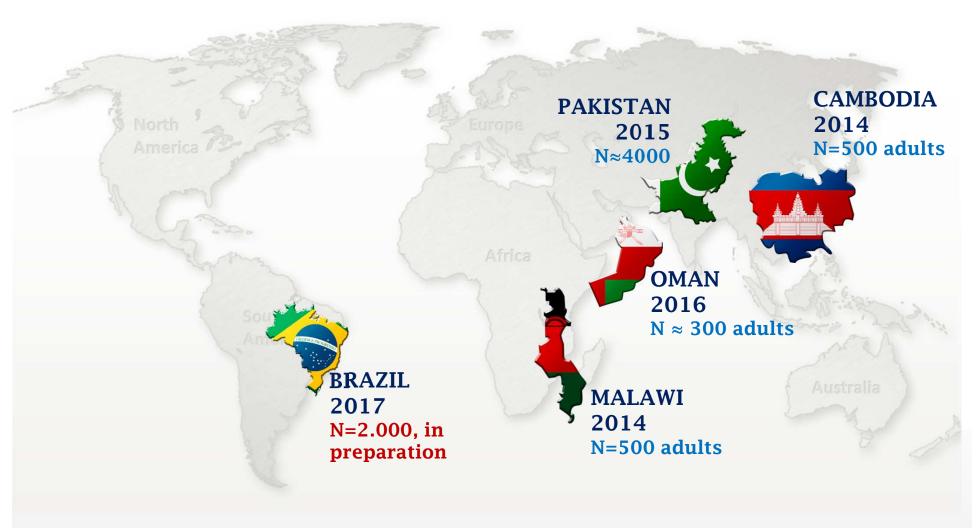
Institutions

- National Center for Health Statistics, US
- Institute for Survey Research, University of Michigan, US
- Statistics Norway, Norway
- Institute for Public Health and Health Services Research, Ludwig-Maximilians-University Munich, Germany

Countries

· US, Cambodia, Malawi, Nepal, China and UK

PILOT STUDIES



Brief MDS

- WHO recommends the MDS as a broad national disability survey every five or ten years
- MDS brief version can be integrated in health and further specific surveys in between these full implementations

Goal: Guarantee regular, continuous monitoring of disability for CRPD and SDGs

Brief MDS - Development 2015/2016

Technical expert consultation

December 2015 at the WHO Headquarters in Geneva, Switzerland.

GOAL: propose a first version of the brief MDS.

Statistical analyses

GOAL: confirm robustness and reliability of the set proposed in December using Generalized Partial Credit Model and Bayesian models adjusted for age, gender and income.

Brief MDS

August 2016, WHO Headquarters, Geneva, Switzerland. **GOAL**: Re-evaluate the consensus achieved in December in the light of the statistical analyses and propose the brief MDS version.

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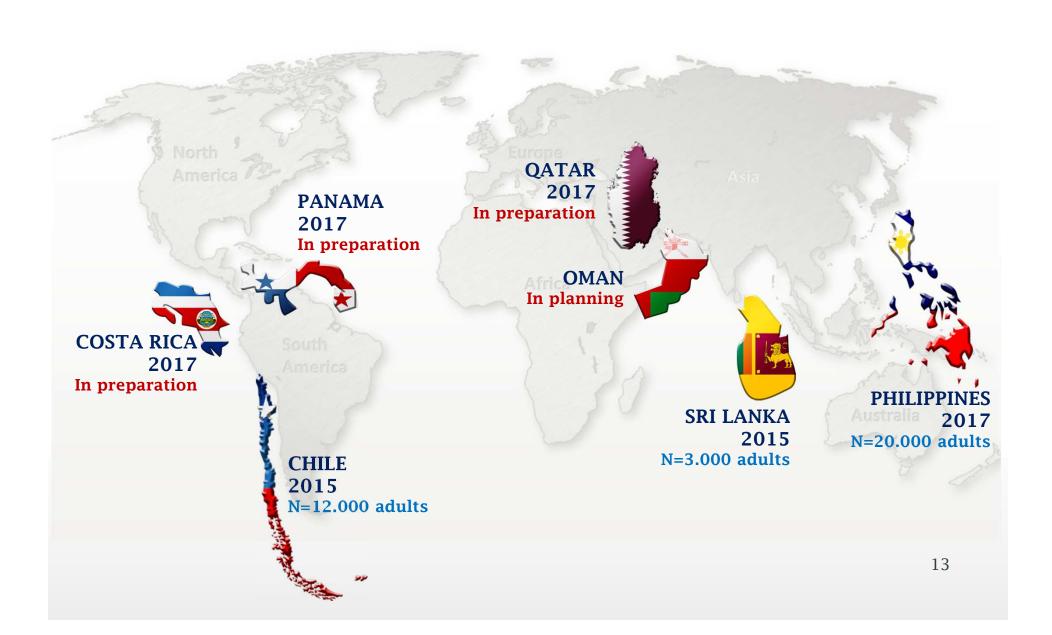
IMPLEMENTATION

National Disability Surveys:

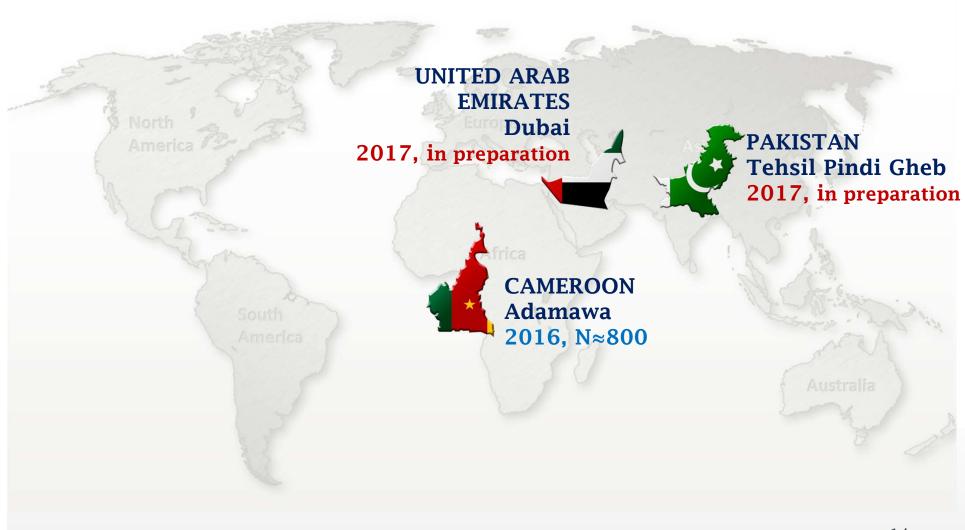
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Nov 2014

NATIONAL SURVEYS



REGIONAL SURVEYS



1. Development process

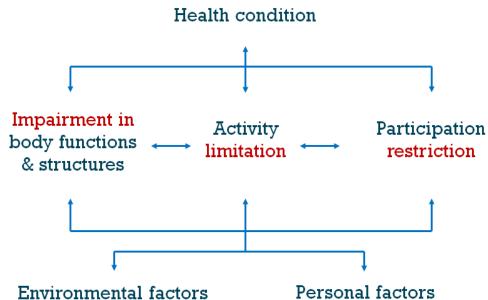
- 2. Conceptual basis
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Disability as the outcome of the interaction between health conditions or impairments and contextual factors

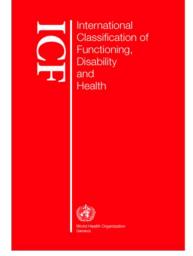


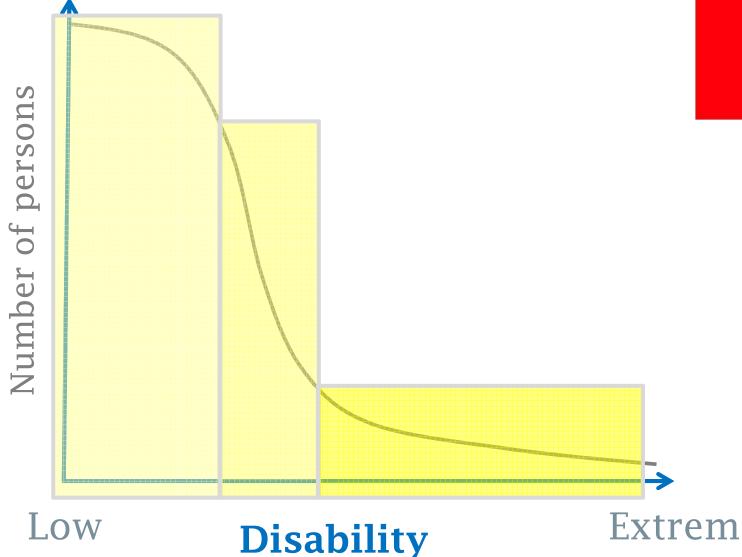


Model of Functioning, Disability and Health



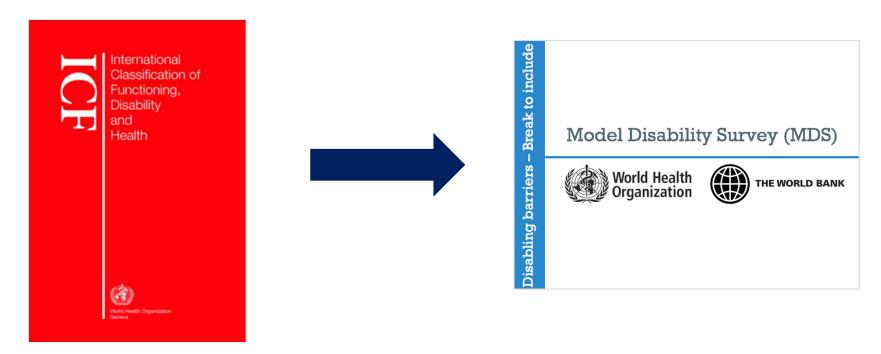
Disability as an <u>unidimensional</u> continuum





ICF Model & Classification

Measurement



How to operationalize disability for measurement purposes?

Key ICF Concepts

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

Performance is the doing of an action or execution of a task in the actual context of the individual "the lived experience"

Capacity



Performance



Intrinsic capacity of the

The result of the interaction of capacity with the environment and the person

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Goals

1. To determine the **distribution of disability** in the region or country

Disability Continuum

CAPACITY

PERFORMANCE



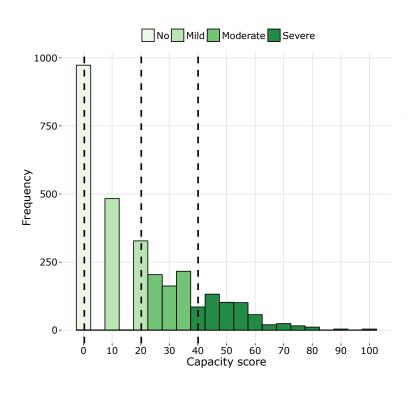


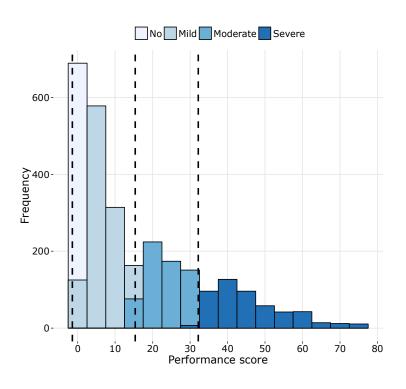
Sri Lanka

Disability Continuum

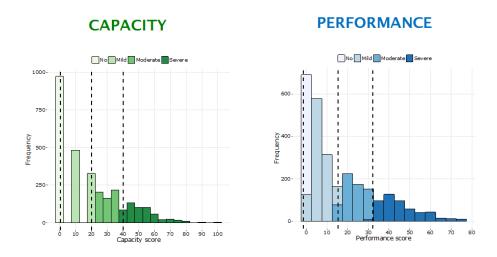
CAPACITY

PERFORMANCE





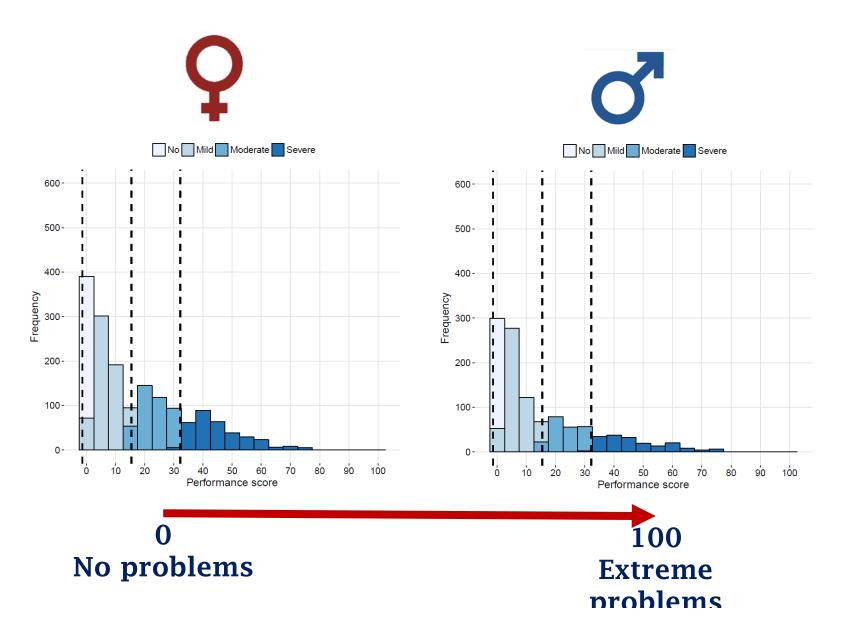
Disability Continuum



- ✓ Does individual A experience less or more disability than individual B, irrespective of the underlying health condition?
- ✓ Are levels of disability higher in population A than population B?
- ✓ Does risk groups experience less or more disability than at a previous point in time?
- ✓ Are levels of disability in a population lower or higher than at a previous point in time?
- ✓ What are the major determinants of disability?

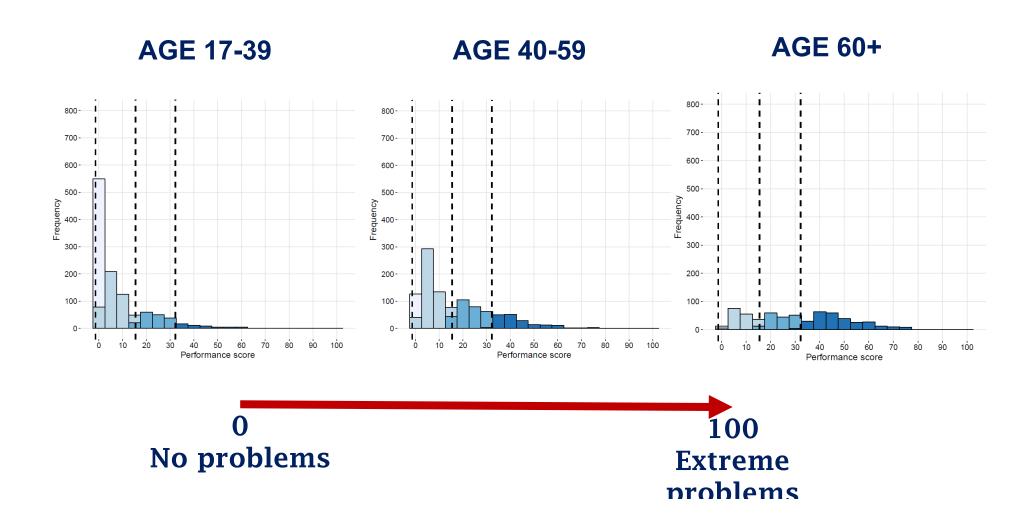
Are levels of disability higher in women than in men?

Sri Lanka



Are levels of disability higher in the elderly population?

Sri Lanka

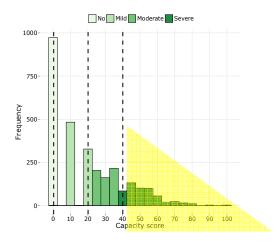


Goals

- 1. To determine the **distribution of disability** in the region or country
- 2. To estimate the **prevalence** of disability

Disability rate

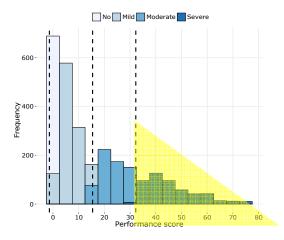
CAPACITY



Severe capacity difficulties

VULNERABLE GROUP!

PERFORMANCE

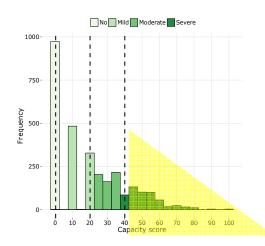


Severe performance problems

PERSONS EXPERIENCING DISABILITY

Disability rate

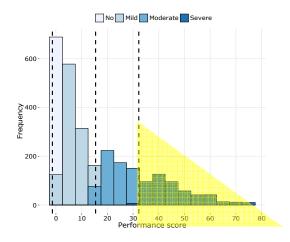
CAPACITY



Severe capacity difficulties



PERFORMANCE

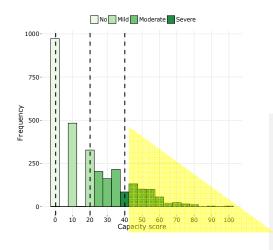


Severe performance problems

VULNERABLE POPULATIONS IN NEED OF POLITICAL ATTENTION

Disability rate

CAPACITY



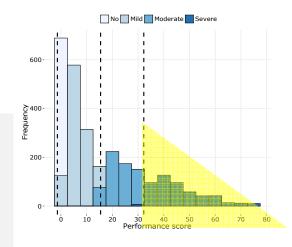
Severe capacity difficulties

DISABILITY RATE

19.4%



PERFORMANCE



Severe performance problems

DISABILITY RATE = # PERSONS WITH SEVERE DIFFICULTIES IN CAPACITY **OR** SEVERE PROBLEMS IN PERFORMANCE / SURVEY SAMPLE

Goals

- 1. To determine the **distribution of disability** in the region or country
- 2. To estimate the **prevalence** of disability
- 3. To detect **inequality**, **barriers** and **needs** associated with disability

GOAL 8

Chile

SUSTAINBLE DEVELOPMENT GOALS

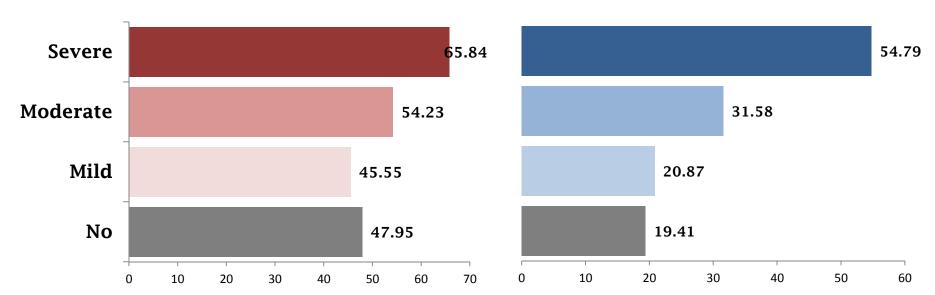
Indicator 8.5.2: Unemployment rate, by sex, age and persons with disabilities





% unemploye d



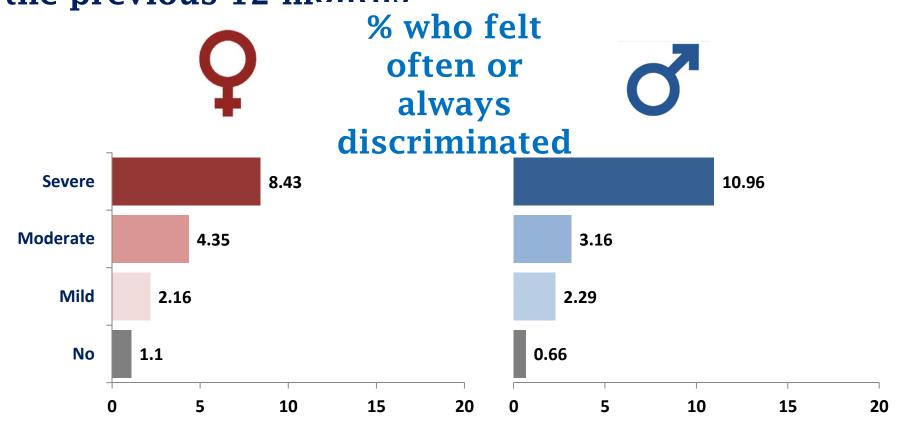


GOAL 10

Chile

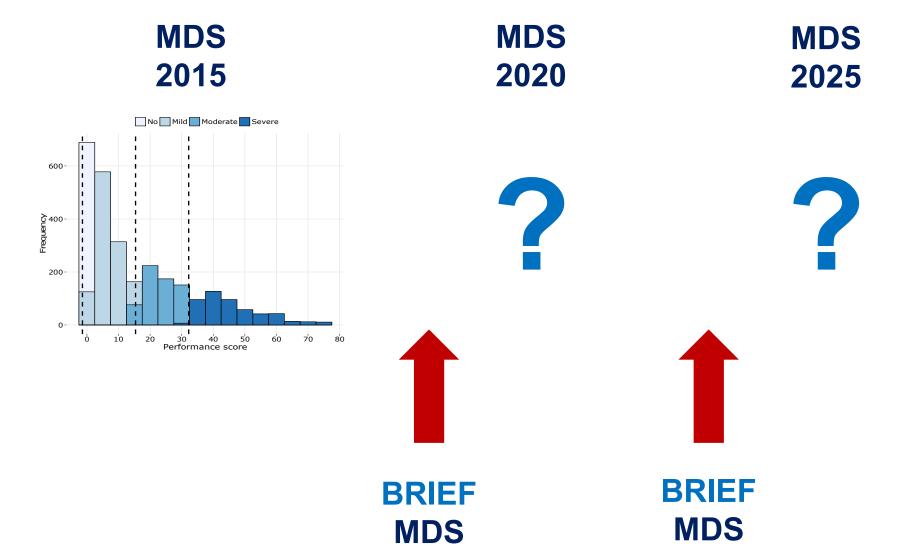
10.3.1 Proportion of the population reporting having personally felt discriminated against or harassed within the previous 12 months





Goals

- 1. To determine the **distribution of disability** in the region or country
- 2. To estimate the **prevalence** of disability
- 3. To detect **inequality**, **barriers** and **needs** associated with disability
- 4. To **monitor** the effectiveness of concrete actions and policies at regional and national level



Thank you for your attention!

Long and brief MDS available at: