

D-score for international comparisons

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Preface

This is an introductory booklet on the measurement of child development by means of the D-score. The D-score is a one-number summary that quantifies generic neurocognitive development for children with ages 0-4 years.

This is the *second* in a series of three booklets. The series consists of the following titles:

1. D-score for measuring development of children 0-4 years
2. D-score for international comparisons
3. D-score for creating better instruments

Chapter 1

Introduction

1.1 SDG 4.2.1 indicator

1.2 Quick scan of instruments

1.3 Care-giver vs direct assessment

1.4 Individual-programmatic-population settings

Chapter 2

Comparability

2.1 Challenge of comparability

2.2 Bridging instruments by mapping items

2.3 Overview of promising item mappings

Chapter 3

Equate groups

3.1 Statistical framework for equate groups

3.2 Common latent scale

3.3 Differential item functioning

3.4 Quantifying equate fit

Chapter 4

Modeling equates

- 4.1 GCDG data: design and description
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Chapter 5

Comparing ability

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Chapter 6

Validity

6.1 Discriminatory validity

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Chapter 7

SDG 4.2.1 Indicator

- 7.1 Application I: Estimating the SDG 4.2.1 indicator from existing data
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Chapter 8

Who is on-track?

- 8.1 Application II: What determines who is developmentally on-track?
- 8.2 Types of explanatory factors
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Chapter 9

Discussion

9.1 Potential of existing data for SDG 4.2.1

9.2 Options for improving health policy

9.3 Suitability of D-score metric

9.4 Suggestions for better measurement