

# Discussion

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March 26, 2012

# MICS

## Strengths

- Voices from developing countries where >90% of the world's children live
- Systematic data collection across multiple countries
- Reflect Convention on the Rights of the Child
- Publically available

## Weaknesses

- Exclusively parent (maternal) report
- Very limited sampling of items
- Many items limited to Yes/No responses
- Little attention to within-country variation

# Ecological Perspective to Early Child Development

- Country
  - Cultural norms and laws (child protection)
- Community
  - Home-based services (0-3)
  - Nutrition and health services
- Family
  - Resources, support, employment
  - Feeding and socialization practices
  - Stress and mental health
  - Beliefs about childrearing
- Child
  - Growth, health, temperament

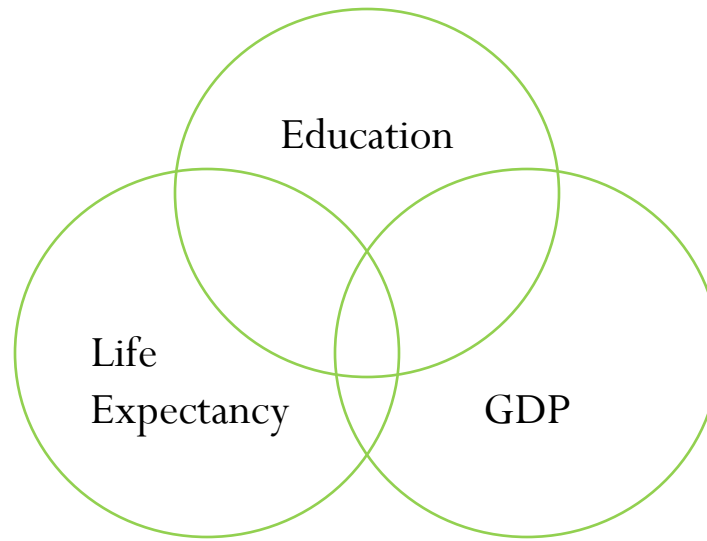


# World map by quartiles of Human Development Index in 2011



# Human Development Index

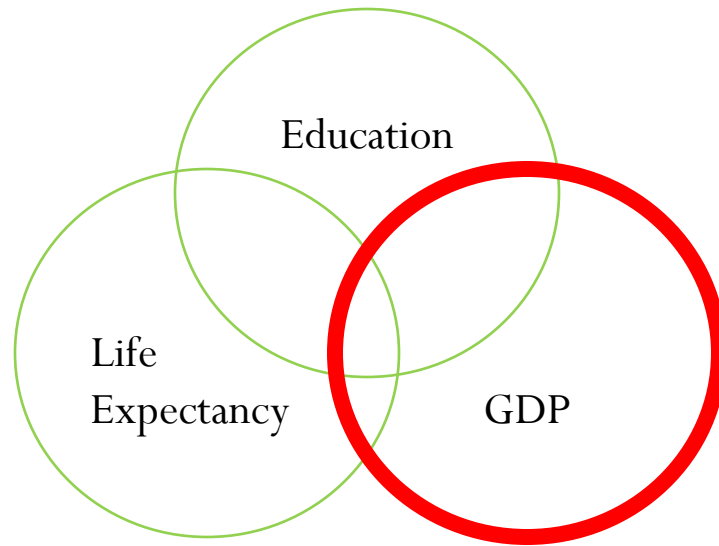
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Examine how caregiving practices relate to overall HDI and to each component, controlling for the other two.

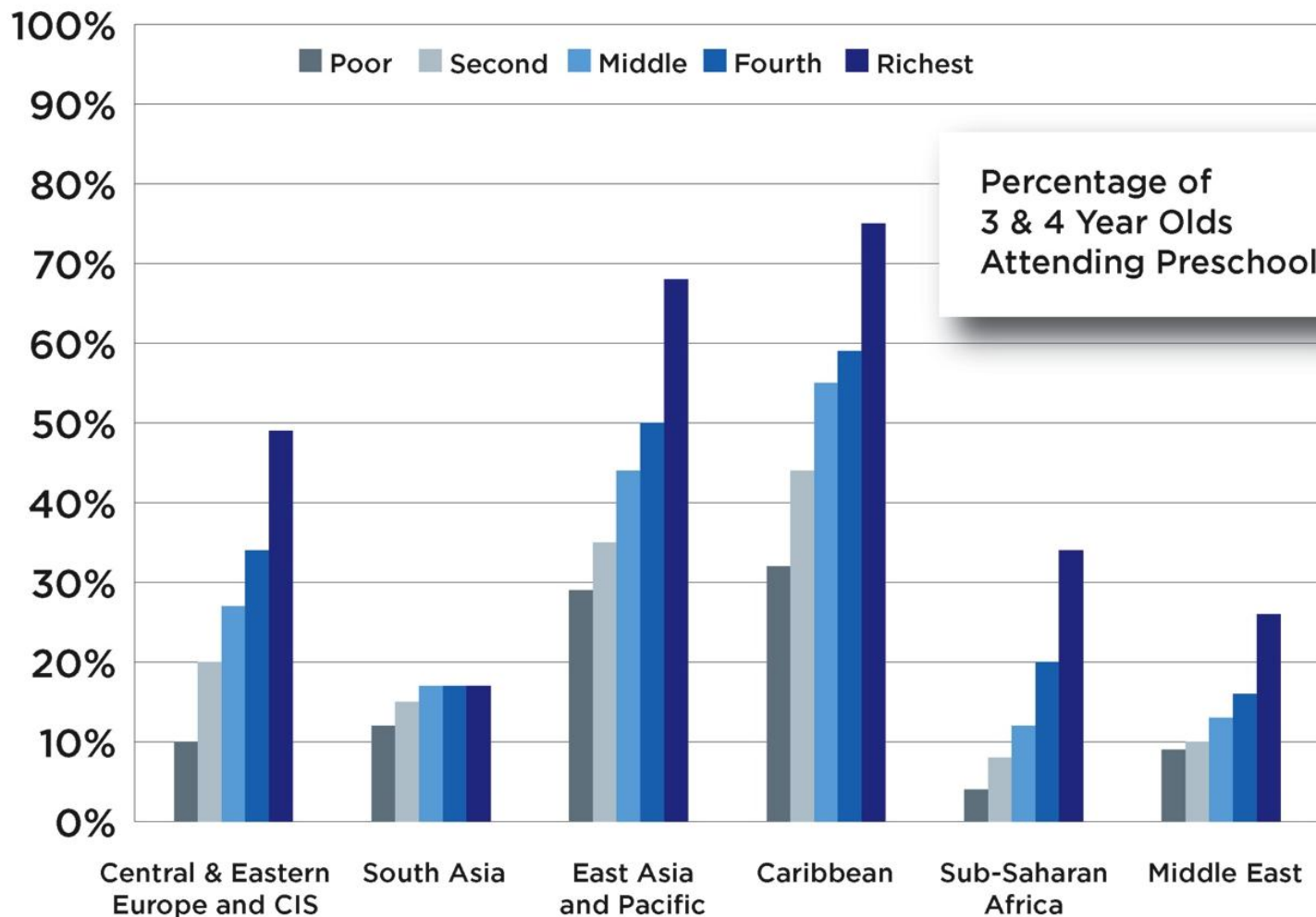
# Human Development Index

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Examine how caregiving practices relate to overall HDI and to each component, controlling for the other two.

# Preschool enrolment by region and income – less than 20% for poorer income quintiles



*Proportion of young children attending preschool in 58 low-income and middle-income countries by income quintile within country summed across sample countries by region. Data are from UNICEF's 2005 Multiple Indicator Cluster Survey 3 for children aged 3 and 4 years.*

# Language scores by country and quintile

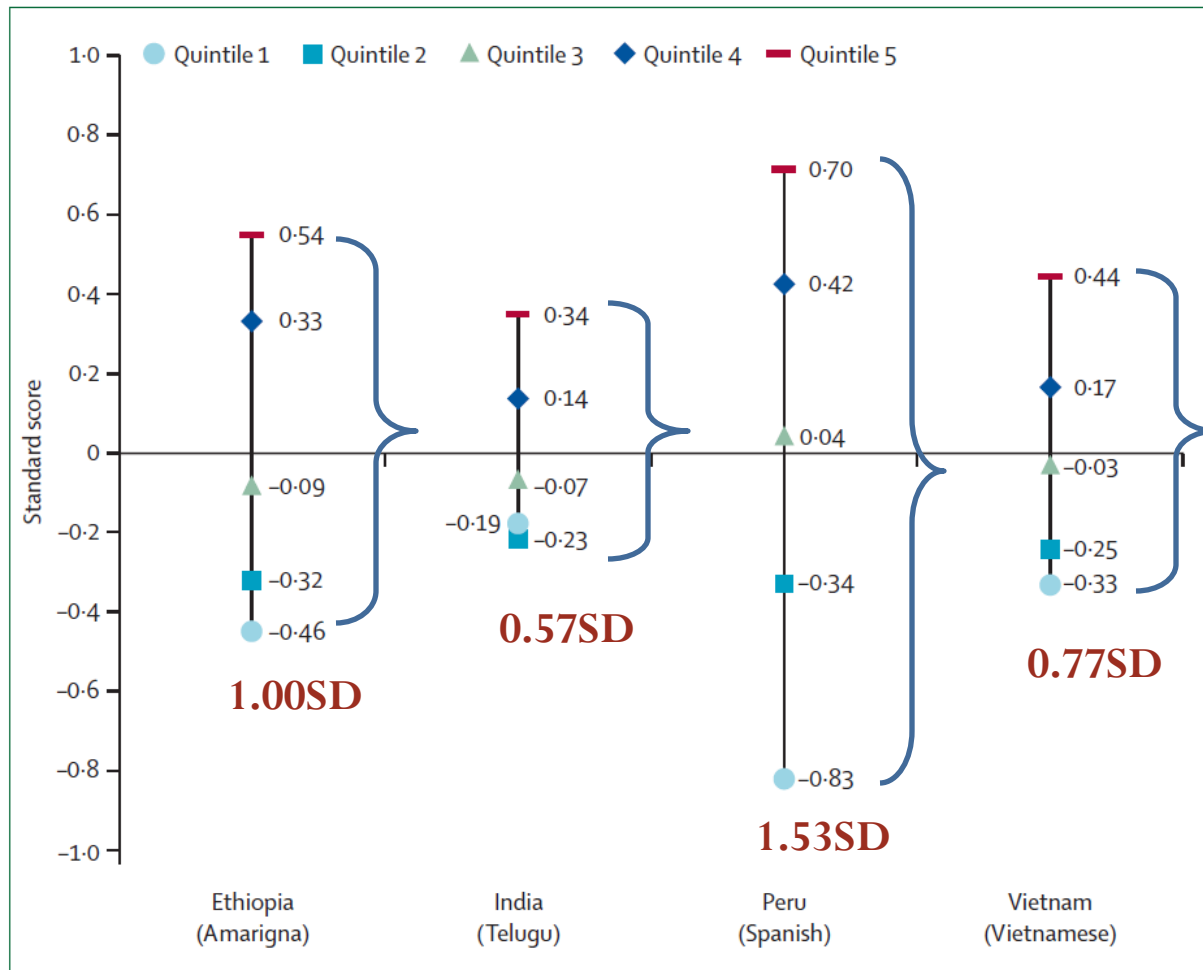
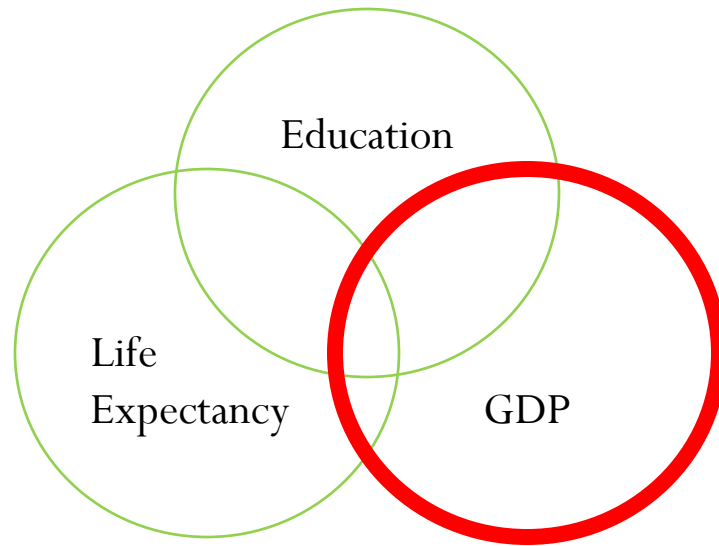


Figure 3: Peabody Picture Vocabulary Test<sup>7</sup> standard scores by country and quintile of expenditure. Data for children (aged 5–6 years) speaking the majority language of the region or country (in parentheses).



# Human Development Index

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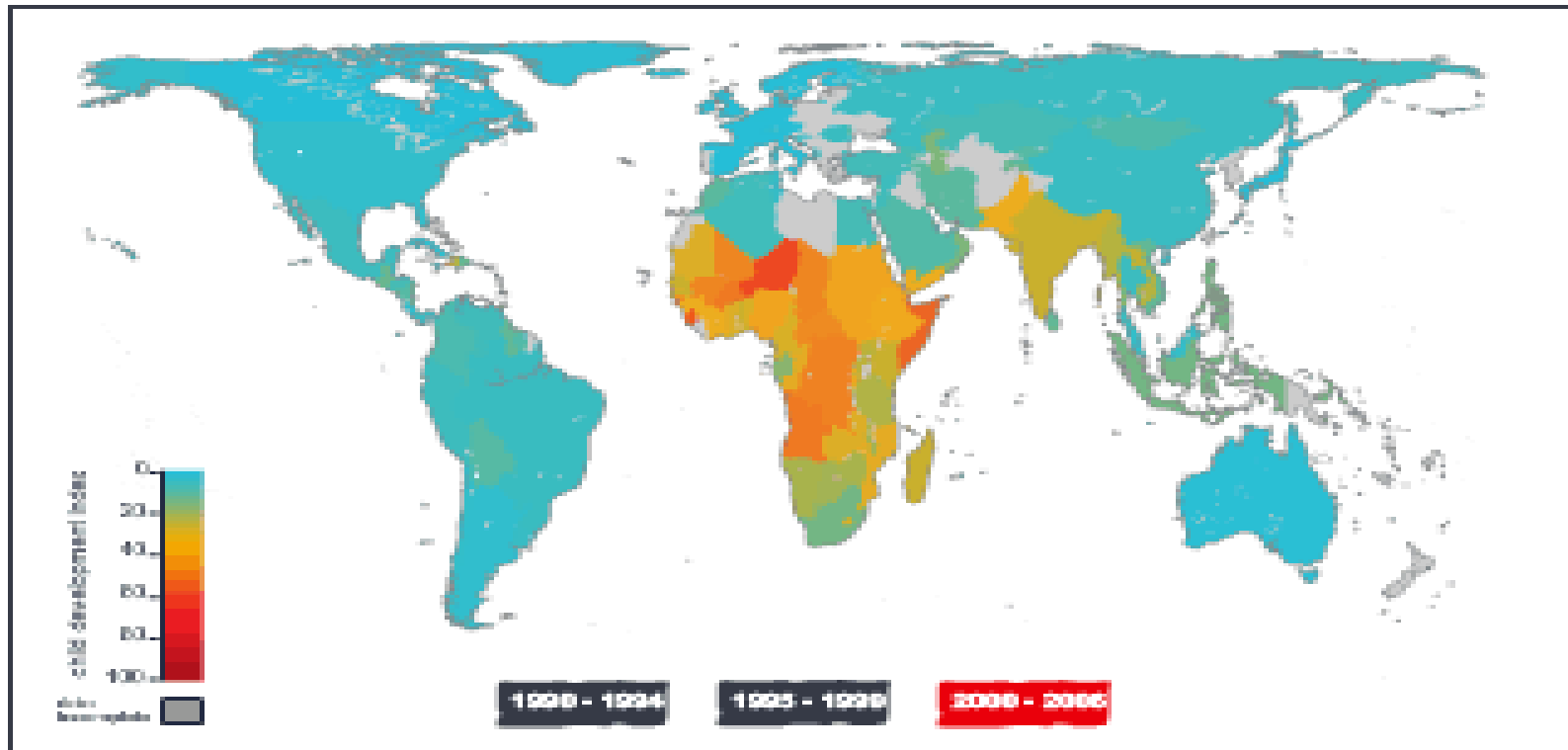


Examine how caregiving practices relate to overall HDI and to each component, controlling for the other two.

Is the HDI too distal for children's development?

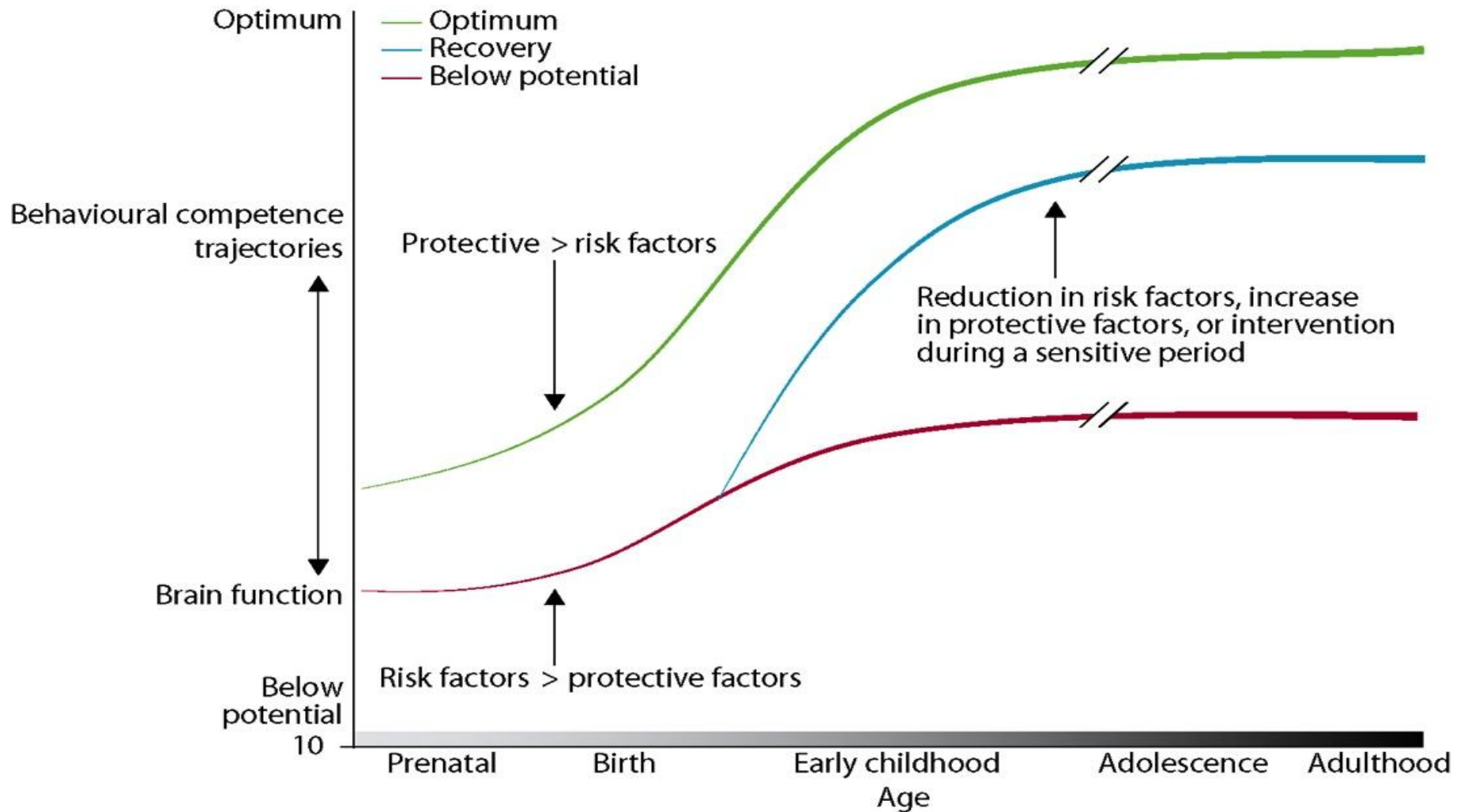
# Child Development Index

Save The Children UK



The **Child Development Index** (CDI) is an index combining each country's performance measures specific to children - primary education, child health and child nutrition - to produce a score on a scale of 0 to 100. A zero score would be the best. The higher the score, the worse children are faring.

# Development of inequality



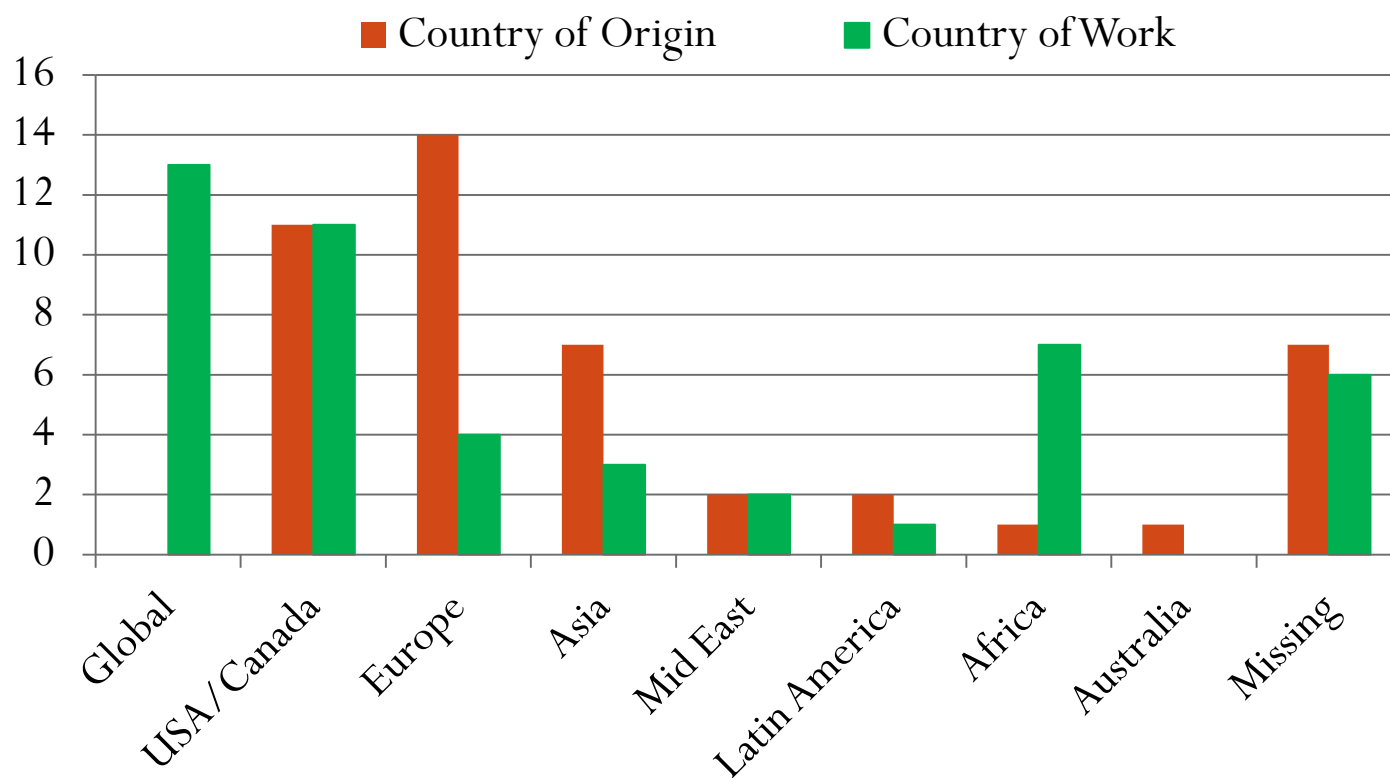
# Why Use Priority Setting To Establish An Early Child Development Research Agenda?

- Priority setting is a fair and legitimate method of determining how to allocate resources<sup>1</sup>
  - Fairness comes from incorporating multiple perspectives in the formation of the issues
    - Risk and protective factors for ECD identified by the 2011 *Lancet* series on ECD
  - Legitimacy comes from involving a relatively large and diverse group of stake holders
    - Global group of ECD experts assembled by UNICEF

<sup>1</sup>Daniels and Sabin, 2002, *Setting limits fairly: can we learn to share medical resources?* Oxford: Oxford University Press

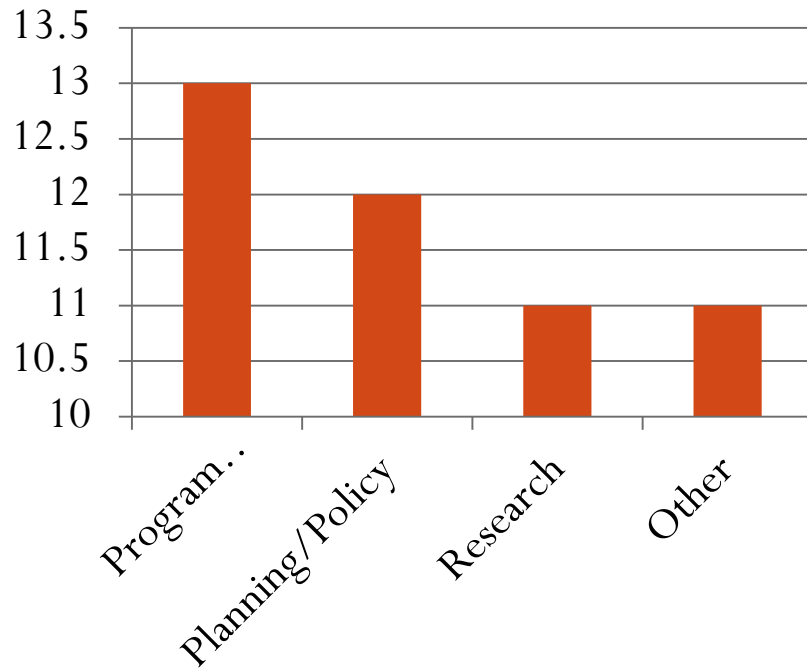
Second Global Consultation: Early Childhood  
Development Research Innocenti Center,  
Florence, Italy February 2012

# Second Global Consultation: Early Childhood Development Research Innocenti Center, Florence, Italy February 2012

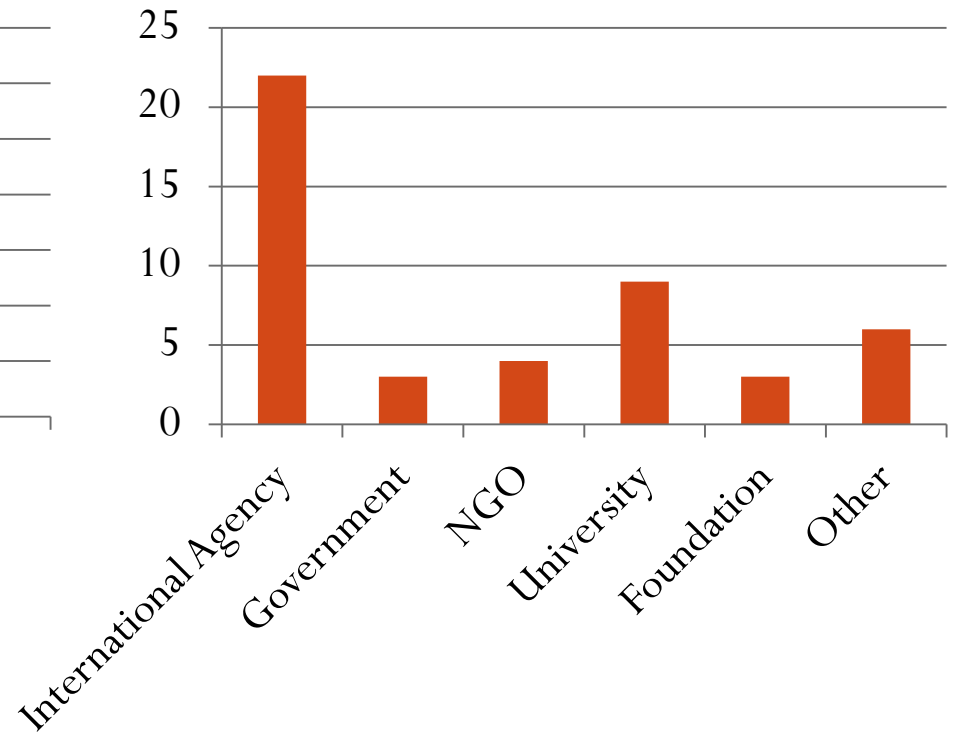


# Background of Participants

## Primary Professional Role

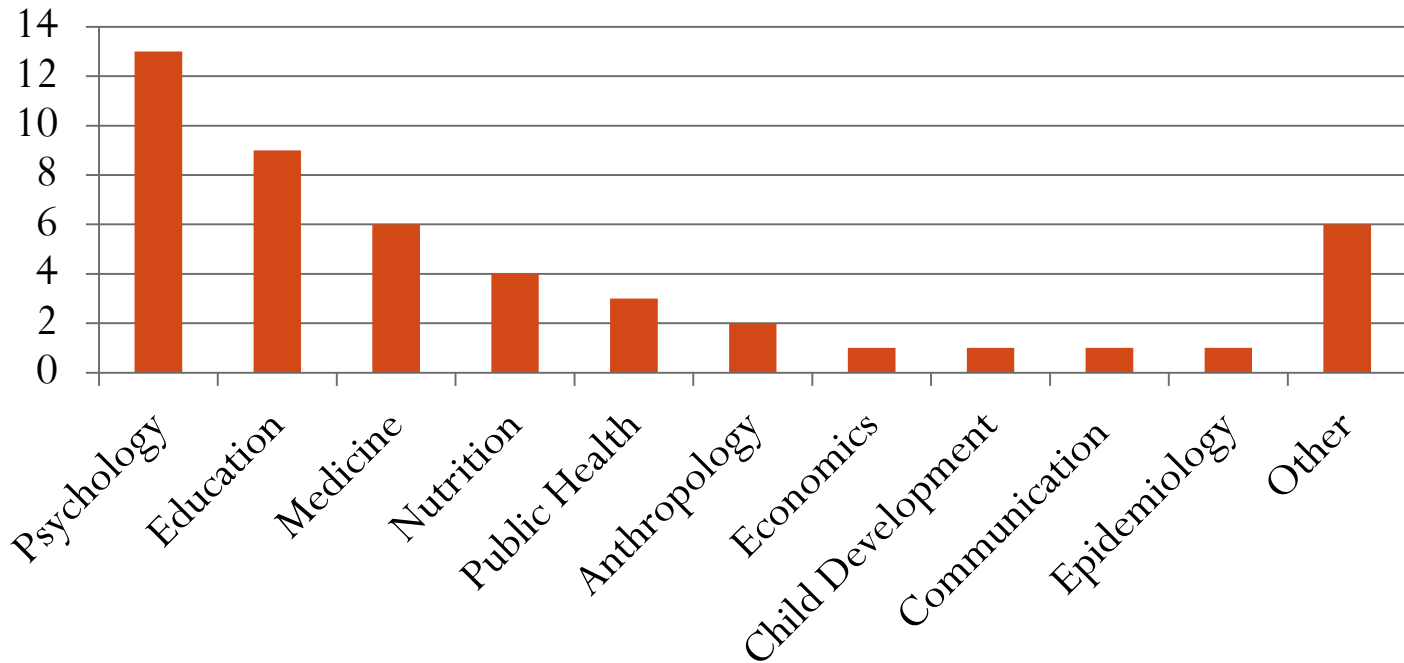


## Professional Setting



# Background of Participants

## Disciplinary Training





# ECD Risk Factors, Protective Factors, and Interventions Identified in 2011 *Lancet* Series

## **Risk Factors**

Iron Deficiency

Iodine Deficiency

Undernutrition

Lack of Stimulation

IUGR

Malaria

HIV

Lead

Maternal Depression

Institutionalization

Violence Exposure

## **Protective Factors & Interventions**

Breastfeeding

Maternal Education

Income Security

Food Security

Parent-Child Responsivity

Parenting

Preschool

Nutrition

Media

Cash Transfer

Integrated Nutrition/ECD

Integrated Health/ECD

ECD Indicators

# Priority Scale Rating Exercise

- 2-day meeting on Early Childhood Development Research
- Multiple presentations on ECD research and activities
- At the conclusion, participants invited to complete the ECD Research Priority Setting exercise:
- Rating system:
  - 1: Not needed
  - 2: Low Priority
  - 3: Medium Priority
  - 4: High Priority
  - 5: Top Priority
  - Missing – Not needed

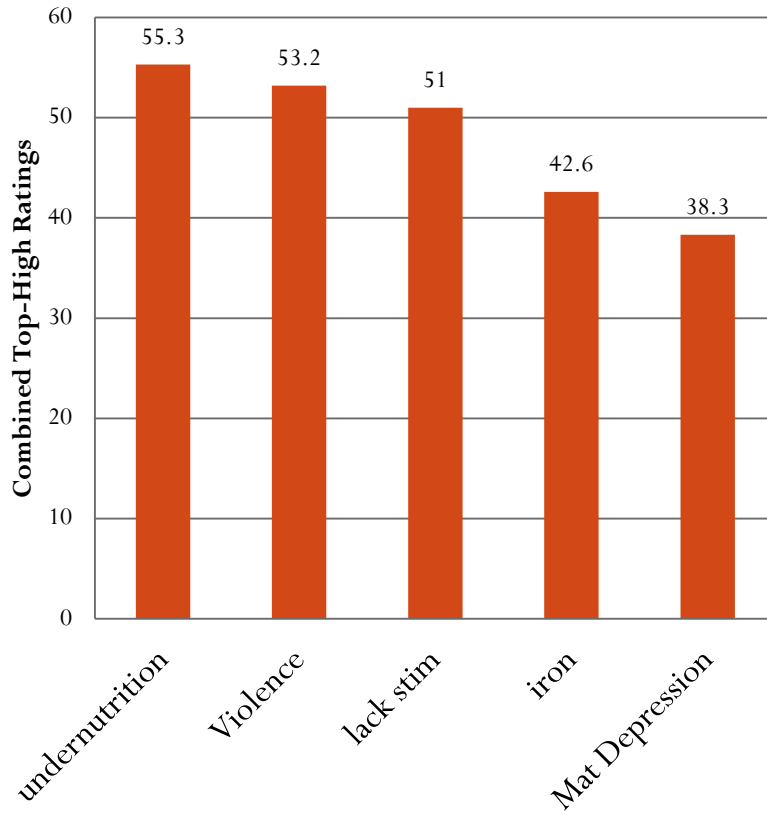
# Categories To Consider

- Basic Research
  - Implementation Research
  - Quality Assurance
  - How To Scale Up
  - Policy
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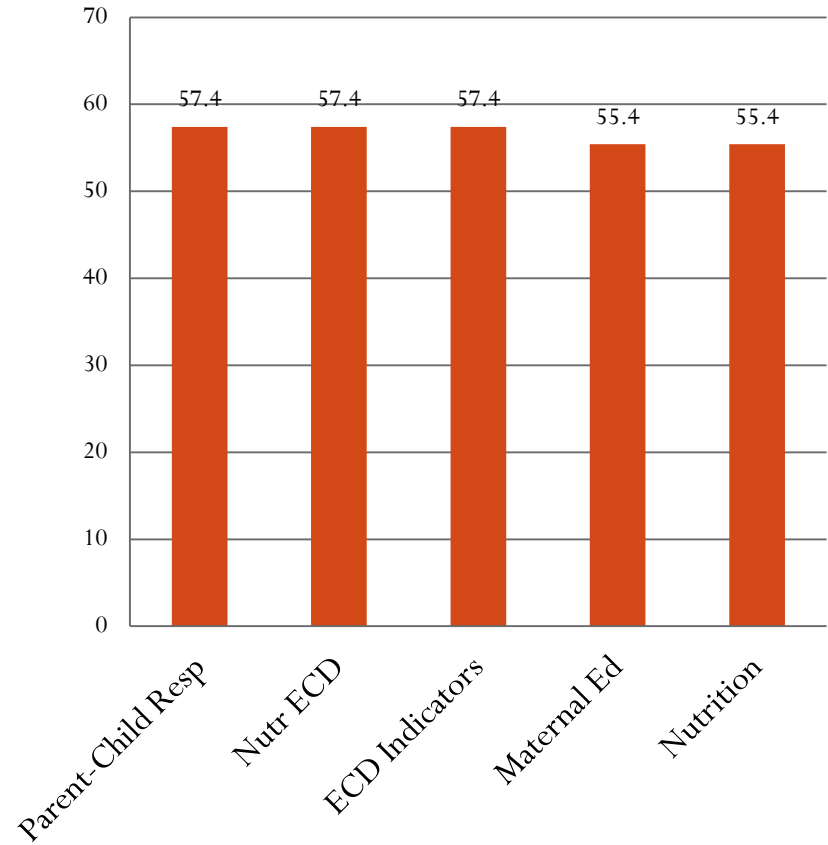
- Feasibility
- Importance
- Investment Value

# Investment: Top 5 Risk & Intervention

## Risk Factors



## Intervention



# Conclusions: Priority Areas for Early Child Development Research Agenda

## **Risk Factors**

Iron Deficiency (3)

Iodine Deficiency (0)

**Undernutrition (7)**

**Lack of Stimulation (8)**

IUGR (2)

Malaria (1)

HIV (0)

Lead (0)

**Maternal Depression (7)**

Institutionalization (4)

**Violence Exposure (7)**

## **Protective Factors & Interventions**

Breastfeeding (0)

Maternal Education (1)

Income Security (0)

Food Security (0)

**Parent-Child Responsivity (7)**

**Parenting (7)**

Preschool (4)

Nutrition (2)

Media (0)

Cash Transfer (1)

**Integrated Nutrition/ECD (8)**

Integrated Health/ECD (4)

**ECD Indicators (7)**

# Thank You!!



NATIONAL INSTITUTE OF NUTRITION, Hyderabad, INDIA  
राष्ट्रीय पोषण संस्थान, हैदराबाद, भारत

Mi Micronutrient Initiative

The Mathile Institute for the Advancement of Human Nutrition



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