

Rethinking the Arab MPI:

Comments

Christian Oldiges

Co-Director of Metrics and Policy,
Oxford Poverty & Human Development Initiative
University of Oxford

Tabita, Kenya

Rabiya, India

Stéphanie, Madagascar

Agathe, Madagascar

Dalma, Kenya

Ann-Sophie, Kenya

Valérie, Madagascar



Tabita, Kenya

Rabiya, India

Stephanie, Madagascar

Agatha, Madagascar

Dalmo, Kenya

Ann-Sophie, Kenya

Valérie, Madagascar



Revision of Indicators

Purpose?

Major questions:

1. Why revise?
2. New data?

If yes:

1. What are the new indicators?
2. If yes, for all countries

New Data

New data and old data:

- **Jordan 2017/18:** instead of Jordan 2014
- Egypt 2018: not yet available
- Yemen 2013
- Comoros 2012
- Palestine 2019/20 MICS
- Tunisia 2018 MICS **AVAILABLE** (2011 MICS)
- Algeria 2018/19 MICS
- Iraq 2018 MICS **AVAILABLE** (2011 MICS)
- Sudan MICS 2020
- Mauritania MICS 2015 **AVAILABLE** (2011 MICS)

Global Experience / Practice

Global MPI example / National MPIs

1. Keep structure the same
2. Revise indicator cut-offs slightly
3. Follow better data availability

Revisions

Dimension and weight assigned	Indicator and weight assigned	Deprived if
Health & Nutrition (weight = 20%)	Child mortality (weight = 6.7%)	Deprived if any child in the household died before the age of 5 during the past 10 years.
	Stunting (weight = 6.7%)	Deprived if any child under the age of 5 has moderate or severe.
	Child pregnancy (weight = 6.7%)	Deprived if any women aged 15-24 gave birth before the age of 18
Education (weight = 30%)	School enrolment and retention (weight = 10%)	Any child aged 6-15 not enrolled in school OR any school child age 8-17 enrolled at two grades or more below the appropriate grade for their age. SHOULD BE ATTENDANCE IF AVAILABLE. CONSIDER dividing into two (Latin America, policies are different)
	Educational Attainment – Head and spouse (weight = 10%)	Households with head or spouse not completing basic (9 years) education. AGE CUT-OFF, stock variable; ANY info on Qualification attained (via life long training courses ... vocational studies)
	Educational Attainment (weight = 10%)	No household member aged 18+ has completed secondary education. SECONDARY EDUCATION is it comparable in the region or should it be years of schooling?
Housing (weight = 30%)	Overcrowding (weight = 10%)	More than 2 persons aged 5+ years per sleeping room. (!TWO seems low, 2.5 or 3? What is the reason for 2; children 4-12 could stay in one room ...)
	Availability of services (weight = 10%)	The household does not have access to electricity or improved drinking water (according to MDG guidelines) or improved sanitation (toilet not connected to piped sewer system; or shared toilet; or no toilet facility) SOMALIA/YEMEN separate analysis needed for policy. Subnational region analysis for policy makers -> go back to micro data
	Type of dwelling (weight = 10%)	Deprived if housing situation fits at least one of the following conditions: (i) home has only one room; (ii) home is a place other than stand-alone house or apartment; (iii) without kitchen; (iv) non-permanent floor or non-permanent roof WHAT ABOUT GUARDS, People that do not stay in their own house
Living standards/Assets (weight = 20%)	Durable goods (weight = 20%)	Deprived if household has less than half of the following durable goods: Color TV, computer, washing machine, fridge, radio, phone, air conditioner, satellite dish, car/truck. RADIO not a durable good. Mobile neither. Other durable goods: farm inputs, motorized farm implement, tractor, ... Explore land and livestock / home ownership as urban equivalent (pakistan example)

Changes: Dimensions

Table A.1 Current MPI framework (Dimensions, indicators, cut-off points and weights)

Dimension and weight assigned	Indicator and weight assigned	Deprived if
Health (weight =1/3)	Child Mortality (1/9)	Any child less than 60 months has died in the family during the 59 months prior to the survey.
	Child Nutrition (1/9)	Any child (0-59 months) is stunted (height for age < -2) or any child is wasted (weight for height < -2) or any adult is malnourished (BMI < 18.5).
	FGM/Early Pregnancy (1/9)	A woman less than 20 years old got her first pregnancy before 18 years old or has undergone a female genital mutilation (FGM).
	Years of Schooling (1/6)	No household member has completed secondary schooling.
Education (weight =1/3)	School Attendance (1/6)	Any school-age child is not attending school or is 2 years or more behind the right school grade.
	Electricity (1/21)	Household has no electricity.
Living standards (weight =1/3)	Sanitation (1/21)	Household sanitation is not improved, according to MDG guidelines, or it is improved but shared with other household.
	Water (1/21)	Household does not have piped water into dwelling or yard.
	Floor/Roof (1/21)	Floor is earth, sand, dung, rudimentary (wood planks/bamboo/rocks/grass/cane) or dirt/slab or tiles/asphalt strips) or roof is not available or made of thatch, palm leaf, mud, rustic mat, palm, bamboo, wood plank, cardboard.
	Cooking Fuel (1/21)	Household cooks with solid fuels: wood, charcoal, crop residues or dung or no fuel is cooked in the household or does not have a separate room for cooking.
	Overcrowding (1/21)	Household has 3 or more people per sleeping room.
	Assets (1/21)	Household has less than two assets for accessing information, or there is more than one information asset and less than two mobility assets and less than two livelihood assets.



Table A.2 Revised Arab MPI framework (Dimensions, indicators, cut-off points and weights)

Dimension and weight assigned	Indicator and weight assigned	Deprived if
Health & Nutrition (weight = 20%)	Child mortality (weight = 6.7%)	Deprived if any child in the household died before age of 5 during the past 10 years.
	Stunting (weight = 6.7%)	Deprived if any child under the age of 5 has moderate/severe.
	Child pregnancy (weight = 6.7%)	Deprived if any women aged 15-24 gave birth before age of 18
Education (weight = 30%)	School enrolment and progression (weight = 10%)	Any child aged 6-15 not enrolled in school OR any school child age 8-17 enrolled at two grades or more below the appropriate grade for their age.
	Educational Attainment – Head and spouse (weight = 10%)	Households with head or spouse not completing below (years) education.
	Educational Attainment (weight = 10%)	No household member aged 18+ has completed secondary education.
Housing (weight = 30%)	Overcrowding (weight = 10%)	More than 2 persons aged 5+ years per sleeping room
	Availability of services (weight = 10%)	The household does not have access to electricity, improved drinking water (according to MDG guidelines) or improved sanitation (toilet not connected to sewer system; or shared toilet; or no toilet facility)
	Type of dwelling (weight = 10%)	Deprived if housing situation fits at least one of the following conditions: (i) home has only one room; home is a place other than stand-alone house or apartment; (iii) without kitchen; (iv) non-permanent or non-permanent roof
Assets (weight = 20%)	Durable goods (weight = 20%)	Deprived if household has less than half of the following durable goods: Color TV, computer, washing machine, fridge, radio, phone, air conditioner, satellite dish, car/truck.

Justification?

Changes: Indicators

Health (weight =1/3)	Child Mortality (11.11%)		Health & Nutrition (weight = 20%)	Child mortality (6.7%)
	Child Nutrition (11.11%)			Stunting (6.7%)
	FGM/Early Pregnancy (11.11%)			Child pregnancy (6.7%)
Education (weight =1/3)	Years of Schooling (16.67%)		Education (weight = 30%)	<i>School enrolment and progression (10%)</i>
	School Attendance (16.67%)			<i>Educational Attainment – Head and spouse (10%)</i>
Living standards (weight =1/3)	Electricity (4.76%)		Housing (weight = 30%)	Overcrowding (10%)
	Sanitation (4.76%)			Availability of services (10%)
	Water (4.76%)			Type of dwelling (10%)
	Floor/Roof (4.76%)		Assets (weight = 20%)	Durable goods (weight = 20%)
	Cooking Fuel (4.76%)			
	Overcrowding (4.76%)			
	Assets (4.76%)			

Justification?

Indicator Definitions: Health

Child Mortality (1/9)	Any child less than 60 months has died in the family during the 59 months prior to the survey.
Child Nutrition (1/9)	Any child (0-59 months) is stunted (height for age < -2) or any child is wasted (weight for height < -2) or any adult is malnourished (BMI < 18.5).
FGM/Early Pregnancy (1/9)	A woman less than 28 years old got her first pregnancy before 18 years old or has undergone a female genital mutilation (FGM) .

Child mortality (weight = 6.7%)	Deprived if any child in the household died before the age of 5 during the past 10 years. -> higher / stock
Stunting (weight = 6.7%)	Deprived if any child under the age of 5 has moderate or severe.
Child pregnancy (weight = 6.7%)	Deprived if any women aged 15-24 gave birth before the age of 18 -> check age eligibility / % of HHs with that age group

Indicator Definitions

Years of Schooling (1/6)	No household member has completed secondary schooling.
School Attendance (1/6)	Any school-age child is not attending school or is 2 years or more behind the right school grade.

School enrolment and progression (weight = 10%)	Any child aged 6-15 not enrolled in school OR any school child age 8-17 enrolled at two grades or more below the appropriate grade for their age. -> divide into two, different policies -> use school attendance
Educational Attainment – Head and spouse (weight = 10%)	Households with head or spouse not completing basic (9 years) education.
Educational Attainment (weight = 10%)	No household member aged 18+ has completed secondary education. -> Double counting?

Indicator Definitions

Electricity (1/21)	Household has no electricity.
Sanitation (1/21)	Household sanitation is not improved, according to MDG guidelines, or it is improved but shared with other household.
Water (1/21)	Household does not have piped water into dwelling or yard.
Floor/Roof (1/21)	Floor is earth, sand, dung, rudimentary (wood planks/bamboo/reeds/grass/canes), cement floor (not slab or tiles/asphalt strips) or roof is not available or made of thatch, palm leaf, sod, rustic mat, palm, bamboo, wood plank, cardboard.
Cooking Fuel (1/21)	Household cooks with solid fuels: wood, charcoal, crop residues or dung or no food is cooked in the household or does not have a separate room for cooking.
Overcrowding (1/21)	Household has 3 or more people per sleeping room.
Assets (1/21)	Household has less than two assets for accessing information, or there is more than one information asset and less than two mobility assets and less than two livelihood assets.

Overcrowding (weight = 10%)	More than 2 persons aged 5+ years per sleeping room.
Availability of services (weight = 10%)	The household does not have access to electricity or improved drinking water (according to MDG guidelines) or improved sanitation (toilet not connected to piped sewer system; or shared toilet; or no toilet facility)
Type of dwelling (weight = 10%)	Deprived if housing situation fits at least one of the following conditions: (i) home has only one room; (ii) home is a place other than stand-alone house or apartment; (iii) without kitchen; (iv) non-permanent floor or non-permanent roof
Durable goods (weight = 20%)	Deprived if household has less than half of the following durable goods: Color TV, computer, washing machine, fridge, radio, phone, air conditioner, satellite dish, car/truck.



THANK YOU