10 datapoints on large scale assessment and equity

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Every child has the right to learn. How can assessments contribute to the realization of this right?

- **Advantage**: *Who learns?* Large scale assessments (LSAs) cover a wide range of classrooms and locations; so, they reveal **systemic inequities and gaps**.

- **Disadvantage**: They are cross-sectional (as opposed to longitudinal) and observational (as opposed to experimental); so, they are not the best way to examine the *causes* (the *why?*) of those inequities.
Large scale assessments (LSAs) and equity

**Challenges**

- **Coverage:** e.g. school-based LSAs exclude out of school children.
- **Inclusion:** LSAs may not provide accommodations and modifications for children with disabilities.
- **Fairness:** some LSA items may show DIF (Differential Item Functioning) between groups (gender, location, etc.) due to bias.
#1: We don’t know what all children know

Learning Assessment Capacity Index (LACI): diversification of large-scale assessments 2010-2015

#2: Within each country, some children remain out of reach

School-based assessments fail to reach OOSC. Children with disabilities, in emergency situations, or attending non-formal education programs are often also excluded. For instance, refugee settlements in Ethiopia are not included in national assessment systems.

But just like “what is not tested is not taught” we must also remember: 
Who is not tested is not taught!
Where is MICS (Multiple Indicators Cluster Survey) implemented?

22 years
113 countries
307 surveys

Notes: Countries with at least one MICS survey
Including sub-national surveys

https://mics.unicef.org/
Presence of MICS in sub-Saharan Africa

- **22** countries out of 49 in SSA will be covered by MICS in the next three years
- **9** emergency countries will have comparable learning data

### MICS Countries SSA
- Central African Republic*
- Democratic Republic of the Congo*
- Gambia
- Ghana
- Guinea-Bissau
- Lesotho
- Madagascar*
- Malawi*
- Sao Tome and Principe
- Sierra Leone
- Zimbabwe*
- Chad*
- Togo

### Countries which has not decided to include Foundation al Learning module
- Eswatini
- Botswana
- Kenya*
- Equatorial Guinea
- Benin
- Sudan
- Cameroon*
- Cote d’Ivoire
- Nigeria*
MICS Foundational Learning Skills module: Structure and indicators

1) Parental Participation (in child’s learning) – Mothers or caregivers
2) Foundational Learning skills – Children aged 7-14
   - Learning environment – reading habits, languages at home and in school
   - Foundational reading skills (3 indicators + 1 overall indicator)
     1. % who read 90%+ of words in story (70 words, 2nd grade vocabulary)
     2. % who answer 3 out of 3 literal comprehension questions
     3. % who answer 2 out of 2 inferential comprehension questions
   - Foundational number skills (4 indicators + 1 overall indicator)

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#3: In some countries, overall learning levels are low

Percentage of children ages 7-14 who could read a short, simple story (grade 2/3 level) and answer 5 questions about it (Sierra Leone, MICS 2017)
#4: Even in school, the poor show lower learning levels
#5: The poor face a double disadvantage of lower access and lower quality

Percentage of children ages 7-14 who could read a short, simple story (grade 2/3 level) and answer 5 questions about it, by wealth quintile (MICS 6)

- Madagascar: Richest quintile - 58, Poorest quintile - 5
- Pakistan: Richest quintile - 51, Poorest quintile - 14
- Sierra Leone: Richest quintile - 39, Poorest quintile - 3

"Richest quintile" and "Poorest quintile" are color-coded in the diagram.
#6: Gender norms shape girls’ and boys’ learning

(TERCE, 2013)
#7: Children learn better in languages they can understand.
Transformative approaches: language(s) in the classroom

“Language is not everything in education, but without language, everything is nothing in education” Ekkehard Wolff

https://www.unicef.org/thailand/reports/bridge-brighter-tomorrow
#8: Children with disabilities face barriers to be schooled and taught

Percentage of children ages 7-14 with foundational reading skills, by disability status

- The Gambia: 7% with disabilities, 13% without disabilities
- Kyrgyzstan: 42% with disabilities, 59% without disabilities
- Suriname: 35% with disabilities, 49% without disabilities
An incremental approach towards inclusive assessment of children with disabilities

1. We must not summarily exclude children with disabilities from assessments.
2. Reach children with disabilities wherever they may be: half of them are not in school.
3. In sample-based assessments, make sure sample sizes are large enough to allow for disaggregation by disability status (Y/N).
4. Provide accommodations for learners with sensory disabilities such as visual or hearing impairments.
5. Provide modifications for learners with intellectual impairments or learning disabilities.
Data on non-academic outcomes are even more scarce.

Some non-academic outcomes are correlated with academic outcomes...
#9: Data on non-academic outcomes are even more scarce

...but non-academic outcomes matter in their own right. And what is not tested is not taught!

http://www.lsce-mena.org/
#10: Children in emergencies face enormous disadvantages

While we often lack actual learning data for children in emergencies, other evidence points to huge disadvantages. In Ethiopia, “Primary refugee education completion rates stand at only 22.0% (M 30.3%; F 11.9%) – as compared to the 57.7% national average.”
Relevant for policy and instruction: information for action in India
Conclusions

• The quality of education and the achievement of learning outcomes are equity issues
• Large-scale assessments reveal the inequities, thus allowing us to advocate for better allocation of resources and the development of strategies to cater to those most in need
• In order to fulfill this role, large-scale assessments must be as universal, inclusive and fair as possible
Assessing learning in emergencies

• Just like in development situations, decisions about assessment in humanitarian situations must take the whole system into account.

• In that sense, assessment is one piece of the puzzle that must fit with the rest.

• But in emergencies this is further complicated by the volatility of the situation, and the uncertainty about the future.
Assessing learning in emergencies: challenges

- Assessment design must be aligned with decisions about curriculum and language of instruction. But these may be difficult to make, or uncertain, for instance in refugee settlements when it is unclear whether refugees will:
  a) return to their country of origin,
  b) remain in the host country, or
  c) relocate to a third country.

- In addition, the qualifications of teachers/educators and test administrators may be uneven, and turnover tends to be high. Under these circumstances, it is important to keep assessment instruments simple and quick, or automate them to the extent possible.

- At the same time, especially with refugees or internally displaced persons, imperfect knowledge of a learner’s previous educational trajectory increases the need for placement tests.
Different solutions for different emergencies

- The type of emergency, e.g. acute versus protracted, is particularly relevant. While in acute emergencies rigorous assessment may be difficult or impossible, in protracted situations it eventually becomes a necessity.
- In protracted situations where there are cultural and linguistic similarities between the displaced and host communities, and where the displaced learners are likely to remain, alignment with the host country’s curriculum is desirable.
- On the other hand, in situations of high uncertainty, learners should receive a curriculum that prepares them for a wide array of possible destinations.
Whole of Syria

The Whole of Syria initiative is a UNICEF-supported classroom assessment for settings where many students have been internally displaced. These tools, developed in 2018, focus on reading, mathematics and socio-emotional skills at the early grades level. It was a collaboration with Save the Children and New York University’s Global TIES for Children.

The process to develop this assessment involved:

1) Compiling all the existing instruments applied in Syria to relevant populations in humanitarian and development situations, in the three assessment domains
2) Reanalyzing the datasets in order to identify the most valid, reliable, and efficient tasks
3) Collecting inputs from regional experts who appraised feasibility and cultural appropriateness
4) Developing new tasks to fill any gaps
5) Reassembling the instrument
6) Making it available to teachers for their use in classrooms

NYU has also recently released a regional library of assessment instruments for the MENA region:
https://inee.org/measurement-library
Learning Passport

• In 2018, UNICEF launched a partnership with Microsoft and the University of Cambridge to develop a ‘learning passport’ – a digital platform that will facilitate learning opportunities for children and young people within and across borders.

• It will be tested and piloted in countries hosting refugees, migrants and internally displaced persons.

• Currently, education systems in host countries struggle to acknowledge and recognize what refugee and migrant children and young people have already learned in school, making it impossible to provide them with the right level of education and, in the long term, limiting their employment prospects.

https://www.unicef.org/corporate_partners/index_103292.html