

Togo

EquityTool: Released 10 December 2020

Source data: [Togo MIS 2017](#)

of survey questions in original wealth index: 40

of variables in original index: 124

of survey questions in EquityTool: 12

of variables in EquityTool: 13



Questions:

	Question	Option 1	Option 2	Option 3
Q1	In your household, do you have : ...electricity?	Yes	No	
Q2	...a television?	Yes	No	
Q3	...a refrigerator?	Yes	No	
Q4	...a cd/dvd player or video recorder?	Yes	No	
Q5	...a cooker/stove?	Yes	No	
Q6	...a fan?	Yes	No	
Q7	Does any member of your household own a watch?	Yes	No	
Q8	Does any member of your household have a bank account?	Yes	No	
Q9	What type of cooking fuel does your household mainly use for cooking?	Wood	Other	
Q10	What is the main material of the roof of your house?	Sheet metal	Other	
Q11	What is the main material of the exterior walls of your house?	Cement blocks	Other	

Q12	What kind of toilet facility do members of your household usually use? Is it shared with other households?	Flush to septic tank, not shared with other households	No facility/bush/field	Other
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Technical notes:

The standard simplification process was applied to achieve high agreement with the original wealth index. Kappa was greater than 0.75 for the national and urban indices. Details on the standard process can be found [in this article](#). The data used to identify important variables comes from the [factor weights](#) released by ICF.

Additional questions/response options were added to the tool to improve the differentiation between the two poorest quintiles, but users should be advised that the differentiation between those quintiles is not as good as is achieved by most other EquityTools. If differentiation is between the poorest and second poorest quintiles is important for your project, please contact support@equitytool.org.

Level of agreement:

	National Population (n=4909)	Urban only population (n=1660)
% agreement	86.6%	84.2%
Kappa statistic	0.791	0.753

Respondents in the original dataset were divided into three groups for analysis – those in the 1st and 2nd quintiles (poorest 40%), those in the 3rd quintile, and those in the 4th and 5th quintiles (richest 40%). After calculating their wealth using the simplified index, they were again divided into the same three groups for analysis against the original data in the full DHS. Agreement between the original data and our simplified index is presented above.

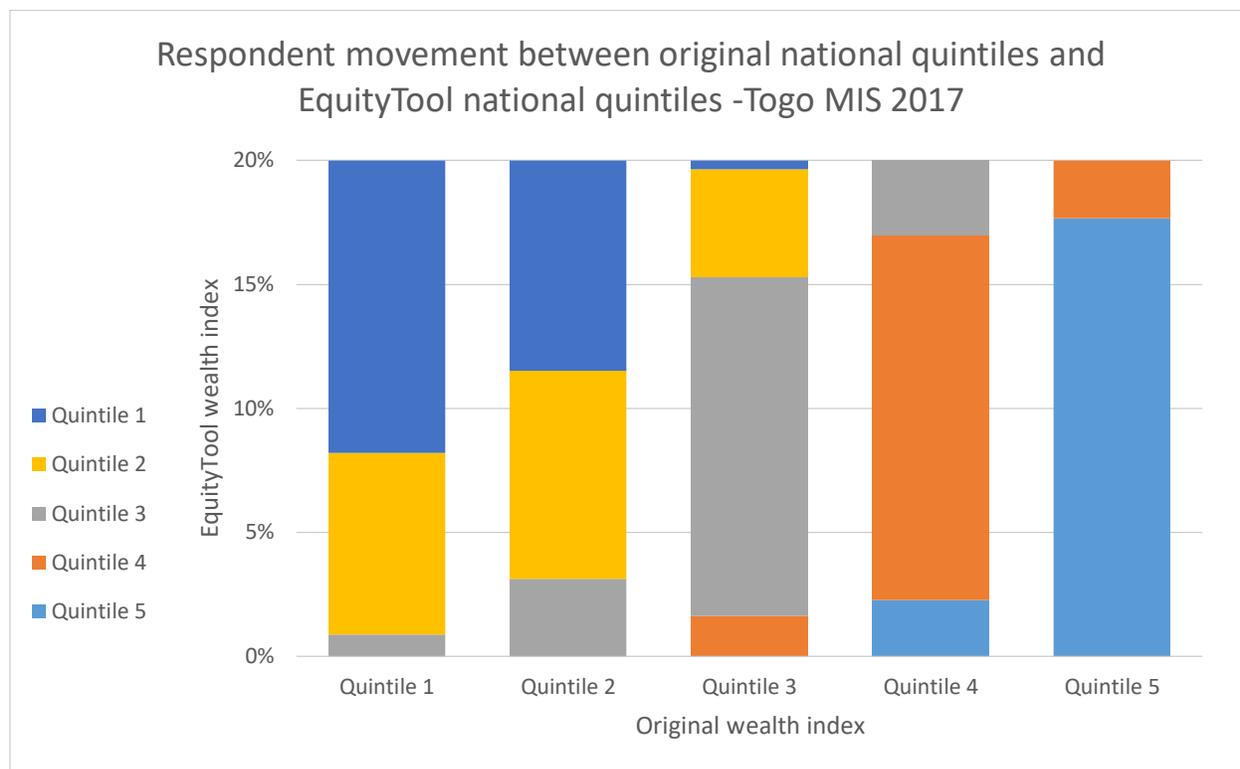
What does this mean?

When shortening and simplifying the index to make it easier for programs to use to assess equity, it no longer matches the original index with 100% accuracy. At an aggregate level, this error is minimal, and this methodology was deemed acceptable for programmatic use by an expert panel. However, for any given individual, especially those already at a boundary between two quintiles, the quintile the EquityTool assigns them to may differ from their quintile according to the original DHS wealth index.

The graph below illustrates the difference between the EquityTool generated index and the full DHS wealth index. Among all of those people (20% of the population) originally identified as being in the poorest quintile, approximately 59.0% are still identified as being in the poorest



quintile when we use the simplified index. However, approximately 36.6% of people are now classified as being in Quintile 2. From a practical standpoint, all of these people are relatively poor. Yet, it is worthwhile to understand that the simplified index of 12 questions produces results that are not identical to using all 40 questions in the original survey.

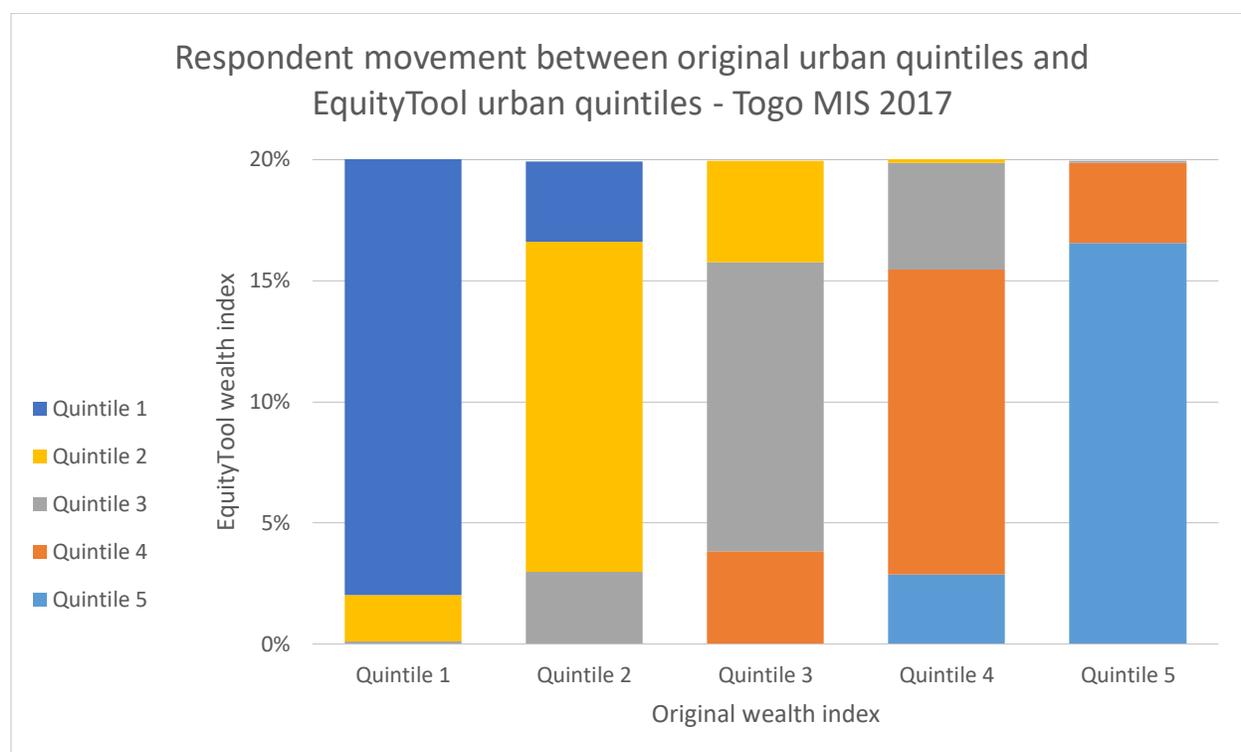


The following table provides the same information on the movement between national quintiles when using the EquityTool versus the original DHS wealth index:

		EquityTool National Quintiles					Total
		Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	
Original DHS National Quintiles	Quintile 1	11.8%	7.3%	0.9%	0.0%	0.0%	20%
	Quintile 2	8.5%	8.4%	3.1%	0.0%	0.0%	20%
	Quintile 3	0.3%	4.4%	13.6%	1.6%	0.0%	20%
	Quintile 4	0.0%	0.0%	3.1%	14.7%	2.3%	20%
	Quintile 5	0.0%	0.0%	0.0%	2.3%	17.7%	20%
	Total	20.6%	20.1%	20.7%	18.7%	19.9%	100%



The following graph provides information on the movement between urban quintiles when using the EquityTool versus the original DHS wealth index:



The following table provides the same information on the movement between urban quintiles when using the EquityTool versus the original DHS wealth index:

		EquityTool Urban Quintiles					Total
		Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	
Original DHS Urban Quintiles	Quintile 1	18.1%	1.9%	0.1%	0.0%	0.0%	20%
	Quintile 2	3.3%	13.6%	2.9%	0.0%	0.0%	20%
	Quintile 3	0.0%	4.2%	11.9%	3.8%	0.0%	20%
	Quintile 4	0.0%	0.2%	4.4%	12.6%	2.9%	20%
	Quintile 5	0.0%	0.0%	0.1%	3.3%	16.6%	20%
	Total	21.4%	19.9%	19.5%	19.8%	19.4%	100%

Data interpretation considerations:

1. This tool provides information on relative wealth – ‘ranking’ respondents within the national or urban population. The most recent available data from the WorldBank



indicates that 51.1% of people in Togo live below \$1.90/day¹. This information can be used to put relative wealth into context.

2. People who live in urban areas are more likely to be wealthy. In Togo, 47.0% of people living in urban areas are in the richest national quintile, compared to only 3.4% of those living in rural areas².
 - a. If your population of interest is predominantly urban, we recommend you look at the urban results to understand how relatively wealthy or poor they are, in comparison to other urban dwellers.
 - b. If the people you interviewed using the EquityTool live in rural areas, or a mix of urban and rural areas, we recommend using the national results to understand how relatively wealthy or poor they are, in comparison to the whole country.
3. Some regions in Togo are wealthier than others. It is important to understand the country context when interpreting your results.
4. In most cases, your population of interest is not expected to be equally distributed across the five wealth quintiles. For example, if your survey interviewed people exiting a shopping mall, you would probably expect most of them to be relatively wealthy.

Metrics for Management provides technical assistance services to those using the EquityTool, or wanting to collect data on the wealth of their program beneficiaries. Please contact support@equitytool.org and we will assist you.

¹ From data.worldbank.org, reporting Poverty headcount ratio at \$1.90/day at 2011 international prices.

² From the Togo MIS 2017 Final Report, available at <https://dhsprogram.com/>

