



Honduras

EquityTool: Update released October 23, 2026



The EquityTool has been updated based upon new source data. The original version is no longer active but is available upon request.

Previous version released: December 9, 2015

Source data: [Honduras MICS 2019](#)

of survey questions in full wealth index: 32

of variables in full index: 70



of survey questions in EquityTool: 16

of variables in EquityTool: 19

Questions:

	Question	Option 1	Option 2	Option 3
Q1	Does your household have a refrigerator?	Yes	No	
Q2	Does your household have a microwave?	Yes	No	
Q3	Does your household have a computer?	Yes	No	
Q4	Does your household have a wardrobe?	Yes	No	
Q5	Does your household have a car?	Yes	No	
Q6	Does your household have a fan?	Yes	No	
Q7	Does your household have a television?	Yes	No	



Q8	Does your household have a wristwatch?	Yes	No	
Q9	Does your household have internet at home?	Yes	No	
Q10	Does any member of this household have an account in a bank or financial institution?	Yes	No	
Q11	In your household, what type of cookstove is mainly used for cooking?	Traditional stove	Liquefied petroleum gas (lpg)/ cooking gas stove	Other
Q12	What type of fuel or energy source is used in the cookstove?	Wood	Other	
Q13	What type of toilet facility do members of your household usually use?	Flush to piped sewer system	Other	
Q14	What is the main source of drinking water used by members of your household?	Bottled water	Water piped into yard/plot	Other
Q15	What is the main material of the floor of your dwelling?	Ceramic tiles	Cement slab	Other
Q16	What is the main material of the exterior wall of your dwelling?	Cement blocks	Other	

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 come from the factor weights derived from the reconstruction of the MICS Wealth Index using analytical syntax provided by UNICEF. The MICS wealth index Honduras is constructed using the same approach as the DHS Wealth Index. More information about how the DHS Wealth



Index is constructed can be found [here](#). Factor weights used in the construction of the Honduras EquityTool are available upon request.

Level of agreement:

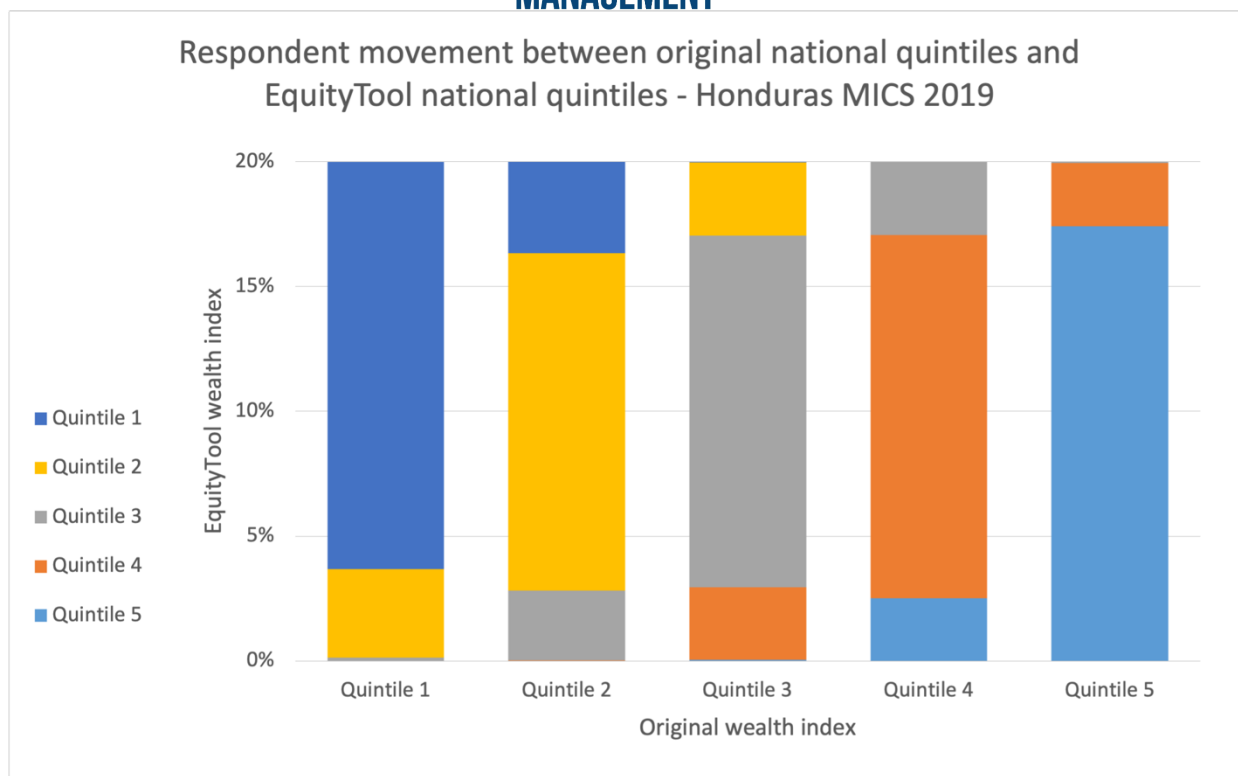
	National Population (n=20,669)	Urban only population (n=8,653)
% agreement	88%	84%
Kappa statistic	0.82	0.75

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 MICS wealth index. 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 to their quintile according to the original MICS wealth index.

The graph below illustrates the difference between the EquityTool generated index and the full MICS wealth index. Among all of those people (20% of the population) originally identified as being in the poorest quintile, approximately 81.5% are still identified as being in the poorest quintile when we use the simplified index. However, approximately 18% 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 16 questions produces results that are not identical to using all 32 questions in the original survey.

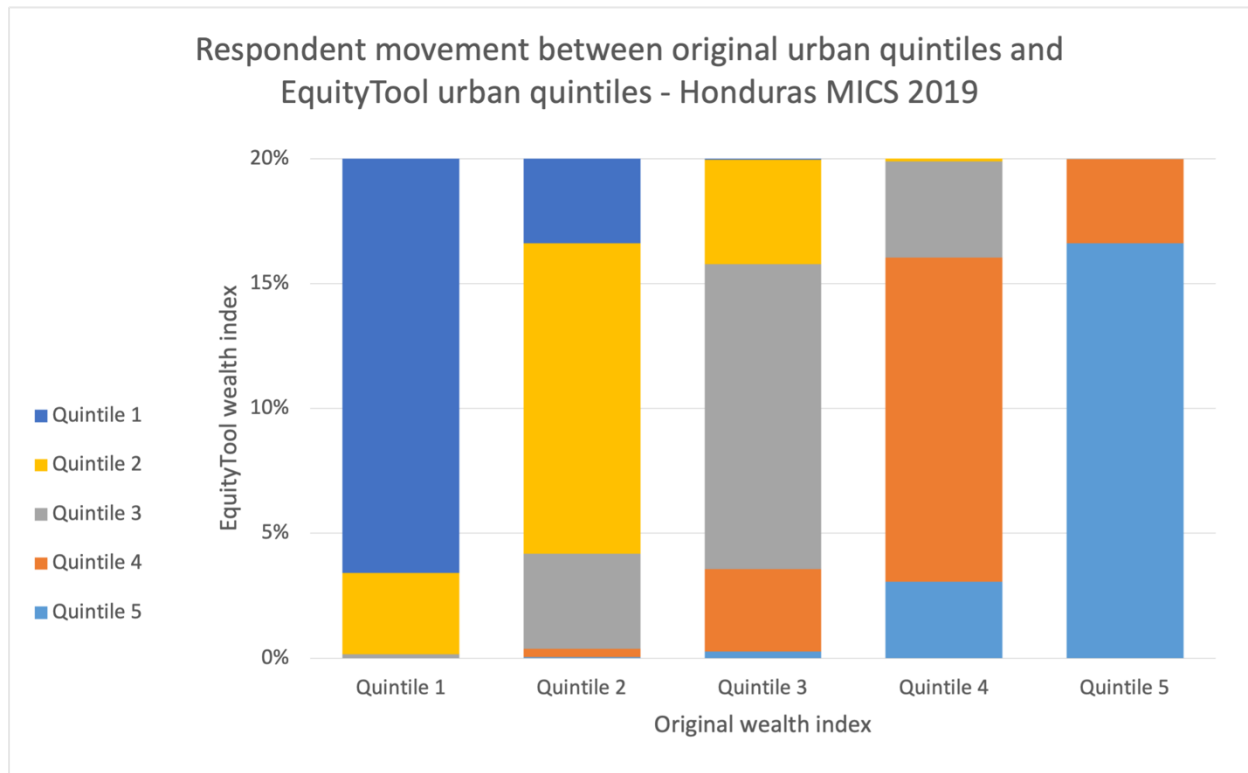


The following table provides the same information on the movement between national quintiles when using the EquityTool versus the original MICS wealth index:

		EquityTool National Quintiles					
		Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	Total
Original DHS National Quintiles	Quintile 1	16.3%	3.6%	0.1%	0.0%	0.0%	20%
	Quintile 2	3.7%	13.5%	2.8%	0.0%	0.0%	20%
	Quintile 3	0.0%	2.9%	14.1%	2.9%	0.0%	20%
	Quintile 4	0.0%	0.0%	2.9%	14.5%	2.5%	20%
	Quintile 5	0.0%	0.0%	0.0%	2.5%	17.4%	20%
	Total	20.0%	20.0%	20.0%	20.0%	20%	100%



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



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

		EquityTool Urban Quintiles					
		Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	Total
Original DHS Urban Quintiles	Quintile 1	16.6%	3.3%	0.2%	0.0%	0.0%	20%
	Quintile 2	3.4%	12.4%	3.8%	0.3%	0.1%	20%
	Quintile 3	0.0%	4.2%	12.2%	3.3%	0.3%	20%
	Quintile 4	0.0%	0.1%	3.8%	13.0%	3.1%	20%
	Quintile 5	0.0%	0.0%	0.0%	3.4%	16.6%	20%



	Total	20.0%	20.0%	20.0%	20.0%	20.0%	100%
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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 18.8% of people in Honduras live below \$3.00/day[1]. 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 Honduras, 36.6% of people living in urban areas are in the richest national quintile, compared to only 6.1% of those living in rural areas[2].
3. 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.
4. 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.
5. Some departments in Honduras are wealthier than others. It is important to understand the country context when interpreting your results.
6. 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.

Changes from the previous EquityTool

We released an EquityTool on December 9, 2015, which compared user data to a benchmark of DHS 2011-12. A new source survey, the 2019 Honduras MICS was recently released, and allows us to benchmark results to a more recent population. This is important, because wealth generally increases over time, and comparing your respondents to an old benchmark population will lead to over-estimating the relatively wealthy in your survey. The new EquityTool was generated using the exact same methodology as the previous version, and in generating the new EquityTool, no attempt was made to account for the fact that a previous version existed. In other words, we did not explicitly try to keep the same questions or response options as the previous tool.

Practical Considerations



For those who have not previously conducted an EquityTool based study in Honduras, the remainder of this section is not particularly relevant. For those who have used the previous EquityTool, you may be interested to know how the two versions compare.

	Previous	Current
Source Data	DHS 2011-12	MICS 2019
# of questions in EquityTool	13	16
# of questions in full wealth index	45	32
# of variables in EquityTool	13	19
# of variables in full wealth index	111	70
Kappa statistic (EquityTool vs full wealth Index) for 3 groups	National: 0.819 Urban: 0.754	National: 0.82 Urban: 0.75

Compared to the previous EquityTool some of the questions and variables included have changed.

The previous EquityTool included 13 variables. Of those 13 variables, 10 are still included in the current EquityTool.

1. Refrigerator	6. Bank account
2. Fan	7. Water source: bottled water
3. Television	8. Cookfuel: wood
4. Car	9. Toilet: sewer system
5. Computer	10. Wardrobe

Nine variables are included in the new EquityTool that were not included in the previous EquityTool.



1. Microwave	6. Water source: piped to yard
2. Wristwatch	7. Floor material: ceramic tiles
3. Home internet	8. Floor material: cement slab
4. Cookstove: traditional stove	9. Wall material: cement blocks
5. Cookstove: LPG	

It is generally best to use the current version of the EquityTool, since it will give a more accurate quintile estimate. If you are currently collecting data, it is best to continue to use the previous tool. Note that if you have created a survey in the EquityTool web application using the previous EquityTool, that survey will continue to use the previous EquityTool.

If conducting a follow-up survey to a baseline that used the previous EquityTool, and the most important result is change from the baseline, it may be preferable to continue to use the previous EquityTool for comparability. If you need to do this, please contact us at support@equitytool.org.

Contextualizing Changes in the EquityTool

Comparing the results of surveys that used the previous EquityTool against those that use the current EquityTool is difficult. It will not always be clear whether any difference is because of actual differences in the wealth level of the respondents or because the EquityTool has changed.

The section below provides relevant contextual information that may help a user understand why the EquityTool has changed from the previous tool.

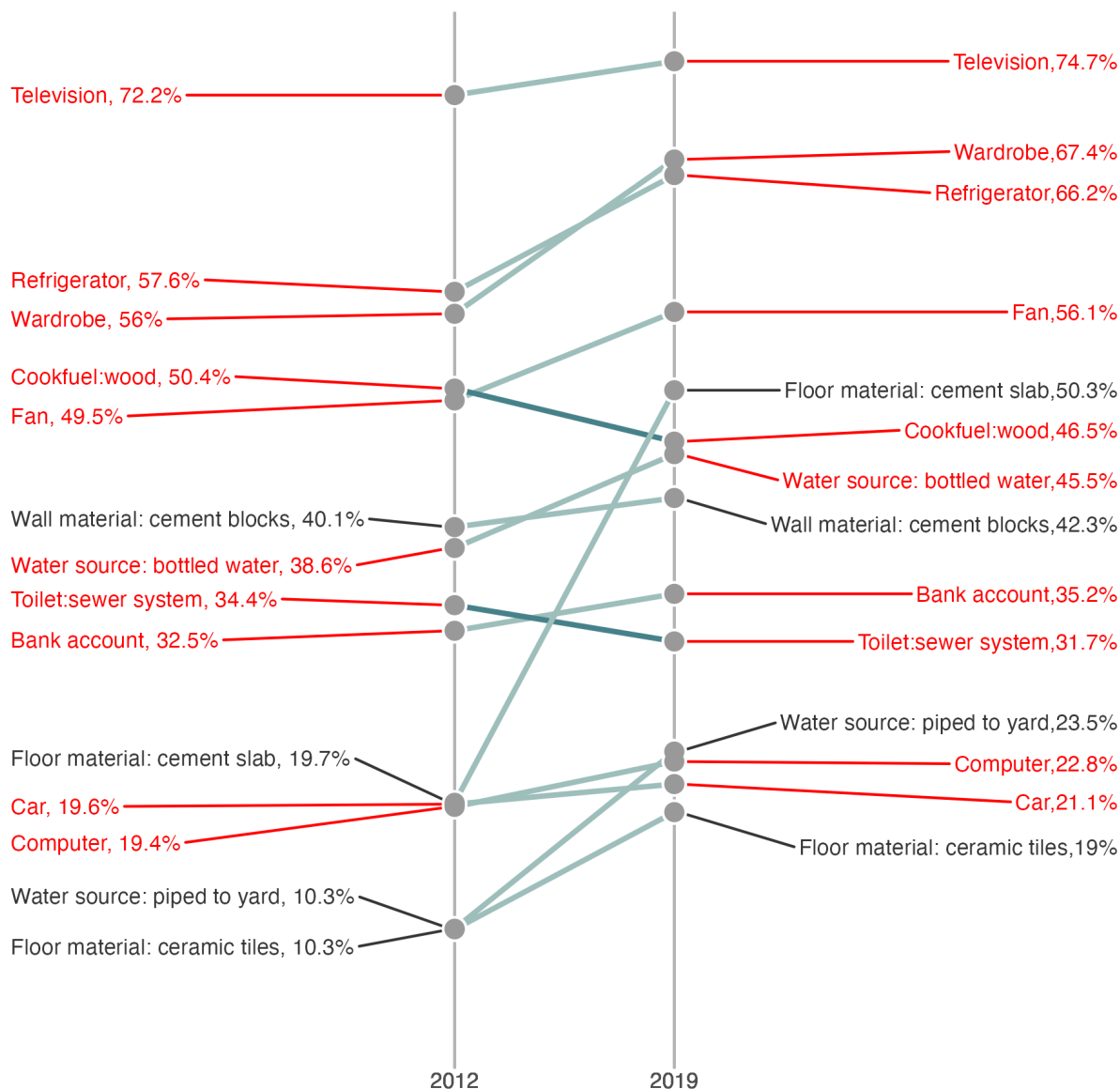
Changes in Asset Ownership

Over time, patterns of asset ownership change. This may reflect the fact that an asset which previously was quite expensive has become more affordable over time, making it more accessible to a large population or that the population has grown wealthier and now a larger portion of the population is able to afford more expensive goods. Likewise, some assets may simply become more or less prevalent due to technological changes. As asset ownership patterns change, their ability to help us distinguish between wealth quintiles may also change.



In Figure 1 we show how ownership of the assets in the original benchmark survey and the current benchmark survey have changed [2]. Variables that are not included in both DHS and MICS surveys are not shown in this graph. Assets in red appear in both the current and previous versions of the EquityTool.

Figure 1: Change in Asset Ownership from 2012 DHS to 2019 MICS



Between 2012 and 2019, there were some notable changes in Honduras ownership rate. For example, the percentage of households with floor material made of cement slab increased by



over 30 percentage points. Conversely, the percentage of households with cooking fuel from wood declined by 4 percentage points.

Changes in Country Context

Changes in the EquityTool often reflect changes in the economic well-being of the population. As the population wealth changes, the prevalence of different assets may change.

The following table provides a summary of some key indicators that illustrate how the economic well-being of the population of Honduras has changed from 2011-12 to 2019.

	Previous Survey: DHS 2011-12	Current Survey: MICS 2019
Percent of the population living below the poverty line [1]	24% (2012)	18.8% (2019)
Percent of the population that is multidimensionally poor [3]	22.83%	10.84%
GDP per capita [4]	\$5,600.61	\$6,264.02
Average annual GDP growth from 2012 to 2019 [5]	3.62%	

The Honduran economy grew between 2012 and 2019. Accompanying this economic growth has also been a decrease in the poverty headcount as measured by both the international poverty line and the Multidimensional Poverty Index. This economic improvement, over time, will reduce the previous Honduras EquityTool's ability to accurately assign households to their most correct wealth quintiles.

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

[1] From pip.worldbank.org, reporting poverty headcount ratio at \$3.00/day at 2021 international prices.

[2] From the Honduras dataset household recode, available at <https://mics.unicef.org/surveys>



[3] From Oxford Poverty and Human Development Initiative (October 2024). “Honduras Country Briefing”, Oxford Poverty and Human Development Initiative, University of Oxford.

[4] From data.worldbank.com, reporting GDP per capita, PPP (constant 2021 international \$)

[5] From data.worldbank.com, reporting average of GDP growth (annual %)
