

# Malawi - Integrated Household Living Conditions Survey 2010-2011

**National Statistical Office (NSO)**

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# Overview

## Identification

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### ID NUMBER

MWI\_2010-2011\_IHSML\_v01\_EN\_M\_v01\_A\_OCS

## Overview

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### ABSTRACT

This dataset contains a set of data files used as input for a World Bank research project (empirical comparative assessment of machine learning algorithms applied to poverty prediction). The objective of the project was to compare the performance of a series of classification algorithms. The dataset contains variables at the household, individual, and community levels. The variables selected to serve as potential predictors in the machine learning models are all qualitative variables (except for the household size). Information on household consumption is included, but in the form of dummy variables (indicating whether the household consumed or not each specific product or service listed in the survey questionnaire). The household-level data file contains the variables "Poor / Non poor" which served as the predicted variable ("label") in the models. One of the data files included in the dataset contains data on household consumption (amounts) by main categories of products and services. This data file was not used in the prediction model. It is used only for the purpose of analysing the model's mis-classifications (in particular, to identify how far the mis-classified households are from the national poverty line).

### KIND OF DATA

Sample survey data [ssd]

### UNITS OF ANALYSIS

Households

## Scope

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### NOTES

#### (a) HOUSEHOLD:

Household conditions and amenities

List of consumed items

Ownership of household assets

Farm equipment

Non-agricultural business information

Income sources

#### (b) INDIVIDUAL:

Basic demographic information

Education attainment

Health

Employment information.

### TOPICS

Topic	Vocabulary	URI
Agriculture & Rural Development	FAO	
Food (production, crisis)	FAO	
Access to Finance	FAO	
Health	FAO	

## Coverage

### GEOGRAPHIC COVERAGE

National

## Producers and Sponsors

### PRIMARY INVESTIGATOR(S)

Name	Affiliation
National Statistical Office (NSO)	Ministry of Economic Planning and Development (MoEPD)

### OTHER PRODUCER(S)

Name	Affiliation	Role
Development Economics Data Group	The World Bank	Technical assistance

## Metadata Production

### METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Office of Chief Statistician	OCS	Food and Agriculture Organization	Adoption of metadata for FAM
Development Economics Data Group	DECDG	The World Bank	Generation of DDI

### DDI DOCUMENT VERSION

MWI\_2010-2011\_IHLCS\_v01\_EN\_M\_v01\_A\_OCS\_v01

### DDI DOCUMENT ID

DDI\_MWI\_2010-2011\_IHLCS\_v01\_EN\_M\_v01\_A\_OCS\_FAO

## Sampling

### Sampling Procedure

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The IHS3 sampling frame is based on the listing information and cartography from the 2008 Malawi Population and Housing Census (PHC); includes the three major regions of Malawi, namely North, Center and South; and is stratified into rural and urban strata. The urban strata include the four major urban areas: Lilongwe City, Blantyre City, Mzuzu City, and the Municipality of Zomba. All other areas are considered as rural areas, and each of the 27 districts were considered as a separate sub-stratum as part of the main rural stratum. It was decided to exclude the island district of Likoma from the IHS3 sampling frame, since it only represents about 0.1% of the population of Malawi, and the corresponding cost of enumeration would be relatively high. The sampling frame further excludes the population living in institutions, such as hospitals, prisons and military barracks. Hence, the IHS3 strata are composed of 31 districts in Malawi. A stratified two-stage sample design was used for the IHS3.

### Weighting

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In order to analyse the data and produce accurate representativeness of the population, the sample variables must be weighted using the household sampling weights provided in each file as "hhwght". As noted above, the IHS3 data are representative at the national, urban/rural, regional and district-level. The basic weight for each sample household is equal to the inverse of its probability of selection (calculated by multiplying the probabilities at each sampling stage). As indicated in the previous section, the IHS3 sample EAs were selected within each district with PPS from the 2008 PHC frame. At the second stage, 16 sample households were selected with equal probability from the listing for 33 each sample EA.

Note: Detailed weighting information is presented in the "Third Integrated Household Survey 2010-2011, Basic Information Document" document.

## Questionnaires

No content available

## Data Collection

### Data Collection Dates

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Start	End	Cycle
2010-03	2011-03	N/A

### Data Collection Mode

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Face-to-face [f2f]

## Data Processing

No content available

## Data Appraisal

No content available