

# Zambia - Zambia Demographic and Health Survey 2018

**Zambia Statistics Agency**

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## Identification

SURVEY ID NUMBER  
ZMB-ZSA-ZDHS-2018-V1.0

TITLE  
Zambia Demographic and Health Survey 2018

COUNTRY

Name	Country code
Zambia	ZMB

ABSTRACT

The ZDHS provides an opportunity to inform policy and provide data for planning, implementation, and monitoring and evaluation of national health programmes. It is designed to provide up-to-date information on health indicators, including fertility levels, nuptiality, sexual activity, fertility preferences, awareness and use of family planning methods, breastfeeding practices, nutritional status of children, early childhood and maternal mortality, maternal and child health, awareness and behaviours regarding HIV/AIDS and other sexually transmitted infections, and prevalence of HIV

UNIT OF ANALYSIS  
Household, Individual

## Version

VERSION DESCRIPTION  
V1.0

## Coverage

GEOGRAPHIC COVERAGE  
National, Rural/Urban, Province

UNIVERSE  
All households

## Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
Zambia Statistics Agency	Ministry of Finance and National Planning

PRODUCERS

Name	Affiliation	Role
Zambia Statistics Agency	Ministry of Finance and National Planning	Survey Implementers, Distributors

FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
United States Agency for International Development	USAID	funded the survey
Global Fund, Department for International Development	UKAID	funded the survey

United Nations Population Fund (UNFPA).

UNFPA

funded the survey

## Sampling

### SAMPLING PROCEDURE

The 2018 ZDHS followed a stratified two-stage sample design. The first stage involved selecting sample points (clusters) consisting of EAs. EAs were selected with a probability proportional to their size within each sampling stratum. A total of 545 clusters were selected.

The second stage involved systematic sampling of households. A household listing operation was undertaken in all of the selected clusters. During the listing, an average of 133 households were found in each cluster, from which a fixed number of 25 households were selected through an equal probability systematic selection process, to obtain a total sample size of 13,625 households. Results from this sample are representative at the national, urban and rural, and provincial levels.

All women age 15-49 and men age 15-59 who were either permanent residents of the selected households or visitors who stayed in the households the night before the survey were eligible to be interviewed.

### WEIGHTING

Sampling weights were calculated based on sampling probabilities separately for each sampling stage and for each cluster. The following notations were used:

P1hi: first-stage sampling probability of the ith cluster in stratum h

P2hi: second-stage sampling probability within the ith cluster (households)

Phi: overall sampling probability of any households of the ith cluster in stratum h

## Data Collection

### DATA COLLECTION MODE

The Household, Woman's, and Man's Questionnaires were programmed into tablet computers to facilitate computer-assisted personal interviewing (CAPI) for data collection purposes, with the capability to choose any of the eight specified languages for each questionnaire. The Biomarker Questionnaire was completed on paper during data collection and then entered into the CAPI system in the field before the data collection teams completed each cluster. The protocols for survey methodology, biomarker measurements, and all instruments were approved by institutional review boards (IRBs) at ICF and the Tropical Diseases Research Centre (TDRC) in Zambia. Both IRBs approved the protocols before the commencement of data collection activities.

## Metadata production

### DDI DOCUMENT ID

ZMB-ZSA-ZDHS-2018-V1.0

### PRODUCERS

Name	Abbreviation	Affiliation	Role
Zambia Statistics Agency	ZamStats	MOFNP	Implementation, Production, Dissemination

**Data Dictionary**

<b>Data file</b>	<b>Cases</b>	<b>Variables</b>
ZMAR71FL	25418	10
ZMBR71FL	38446	1135
ZMCR71FL	5560	2528
ZMHR71FL	12831	3300
ZMIR71FL	13683	5036
ZMKR71FL	9959	1135
ZMMR71FL	12132	607
ZMPR71FL	65454	384