



Health Inequality Data Repository

INDICATOR METADATA

Health determinants (DHS Program and UNICEF
Data Warehouse)

October 2024

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About

This dataset is from the [WHO Health Inequality Data Repository](#).

This dataset contains data on indicators related to health determinants (e.g. education, communication, employment and household characteristics) disaggregated by age, economic status, education, employment type, marital status, number of living children, place of residence, sex and subnational region from the [Demographic and Health Survey \(DHS\) Program](#) and the [UNICEF Data Warehouse](#).

The DHS Program collects, analyzes, and disseminates accurate and representative data on population, health, HIV/AIDS and nutrition through more than 400 surveys in over 90 countries. Data come from Demographic and Health Surveys (DHS), AIDS Indicator Surveys (AIS) and Malaria Indicator Surveys (MIS). The UNICEF Data Warehouse contains datasets of indicators related to children from a wide range of sources, including UNICEF Multiple Indicator Cluster Surveys (MICS).

Data source

DHS Program data are sourced via the DHS Program Indicator Data Application Programming Interface (API) (DHS Program; ICF International; Funded by the United States Agency for International Development (USAID); api.dhsprogram.com). These data are prefaced with "DHS Program" in the source.

UNICEF Data Warehouse data are sourced via the UNICEF SDMX API (Available from data.unicef.org/sdmx-api-documentation). These data are prefaced with "UNICEF" in the source.

Note: Where the same data was available from both the DHS Program and the UNICEF Data Warehouse, DHS, AIS and MIS data were sourced from the DHS Program.

Methodology

In general, standard indicator definitions were adopted, as published in DHS, MICS and RHS documentation. Indicators are calculated by the DHS Program as per the methodologies outlined in the [Guide to DHS Statistics](#). UNICEF produces [Indicator Profiles](#) for each indicator, which detail the original data source and calculation methodologies.

Dataset metadata

Date of first publication	April 2023
Date of updated publication	October 2024
Expected frequency of update	Annual
Date of data extraction	DHS Program: 01 October 2024 UNICEF: 01 October 2024
Temporal coverage	1950–2023
Spatial coverage	Global

Spatial granularity	National
Number of countries, territories or areas	198
Number of indicators	53*
Number of dimensions of inequality	9

*Unique indicators. 100 total indicators when duplicates caused by double disaggregation are counted.

Inequality dimensions

The **age** dimension refers to the respondent's current age.

Economic status was determined using a wealth index. Country-specific indices were based on owning selected assets and having access to certain services and constructed using principal component analysis. For wealth quintiles, within each country the index was divided into five equal subgroups that each account for 20% of the population. Note that certain indicators have denominator criteria that do not include all households and/or are more likely to include households from a specific quintile; thus the quintile share of the population for a given indicator may not equal 20%.

Education refers to the highest level of schooling attained.

Employment type refers to whether the respondent was employed in agricultural or non-agricultural work.

Marital status refers to the self-reported current status of marriage or cohabitation of the respondent (men or women). The definition of a consensual union may vary between countries. Female respondents are asked "Are you currently married or living together with a man as if married?" and if the answer is no, they are asked "Have you ever been married or lived together with a man as if married?" Women that respond yes to the latter question are asked "What is your marital status now: widowed, divorced, or separated?" Marital status is typically reported in three subgroups: Never married, currently married or in union, or divorced, separated or widowed. Marital status for men is collected and presented in the same way as for women.

For **place of residence** and **subnational region**, country-specific criteria were applied.

Sex refers to the reported sex (male or female) of the respondent.

Disclaimer

The estimates presented may differ from, and should not be regarded as, the official national statistics of individual WHO Member States or official WHO estimates.

Copyright

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UNICEF Data Warehouse data are 'open data' that are freely available without restrictions from copyright, patents or other mechanisms of control (<https://data.unicef.org/open-data/>).

Indicator metadata

Indicator name	Disaggregation	Definition / Further information	Notes
Adjusted net attendance rate, lower secondary school (%)	Economic status Place of residence Sex	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Adjusted net attendance rate, one year before the official primary entry age (%)	Economic status Place of residence Sex	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Adjusted net attendance rate, upper secondary school (%)	Economic status Place of residence Sex	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Adolescent population as proportion of total population (%)	Sex	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Adolescents (aged 15-19 years) in the labour force who are unemployed (%)	Sex	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Adolescents (aged 15-19 years) not in education, employment or training (%)	Sex	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Children suffering at least one deprivation (based on moderate deprivation standards) (%)	Place of residence Sex Sex & Place of residence	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Children suffering at least one deprivation (based on severe deprivation standards) (%)	Place of residence Sex Sex & Place of residence	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Children suffering at least two deprivations (based on moderate deprivation standards) (%)	Place of residence Sex Sex & Place of residence	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Children suffering at least two deprivations (based on severe deprivation standards) (%)	Place of residence Sex Sex & Place of residence	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Children under 18 years who are orphans (%)	Age Economic status Place of residence Sex Subnational region	DHS Program metadata	Sourced from DHS Program API.
Distribution of social protection benefits (%)	Economic status	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Female-headed households (%)	Economic status Place of residence	DHS Program metadata	Sourced from DHS Program API.

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Indicator name	Disaggregation	Definition / Further information	Notes
	Subnational region		
Households using clean fuel for cooking (%)	Economic status Place of residence Subnational region	DHS Program metadata	Sourced from DHS Program API.
Households with 5-6 people per sleeping room (%)	Economic status Place of residence Subnational region	DHS Program metadata	Sourced from DHS Program API.
Households with 7+ people per sleeping room (%)	Economic status Place of residence Subnational region	DHS Program metadata	Sourced from DHS Program API.
Households with electricity (%)	Economic status Place of residence Subnational region	DHS Program metadata	Sourced from DHS Program API.
Labour force participation rate (%)	Sex Sex & Place of residence	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Net attendance rate, primary school (%)	Economic status Place of residence Sex Subnational region Sex & Economic status Sex & Place of residence Sex & Subnational region	DHS Program metadata UNICEF Indicator Profile	Sourced from DHS Program API and the UNICEF Data Warehouse. Where DHS/AIS/MIS data were available in both sources, they were sourced from the DHS Program.
Net attendance rate, secondary school (%)	Economic status Place of residence Subnational region Sex & Economic status Sex & Place of residence Sex & Subnational region	DHS Program metadata	Sourced from DHS Program API.
Out-of-school rate for adolescents of lower secondary school age (%)	Economic status Place of residence Subnational region	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Out-of-school rate for adolescents of lower secondary school age (administrative data) (%)	Sex	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Out-of-school rate for children of primary school age (%)	Economic status Place of residence Subnational region	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.

Health determinants (DHS Program and UNICEF Data Warehouse)

Indicator name	Disaggregation	Definition / Further information	Notes
Out-of-school rate for children of primary school age (administrative data) (%)	Sex	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Out-of-school rate for children one year younger than official entry age (administrative data) (%)	Sex	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Out-of-school rate for youth of upper secondary school age (%)	Economic status Place of residence Subnational region	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Out-of-school rate for youth of upper secondary school age (administrative data) (%)	Sex	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
People who are literate (%)	Sex & Age Sex & Economic status Sex & Marital status Sex & Place of residence Sex & Subnational region	DHS Program metadata	Sourced from DHS Program API.
People who did no work in the last 12 months (%)	Sex & Age Sex & Economic status Sex & Education Sex & Marital status Sex & Place of residence Sex & Subnational region	DHS Program metadata	Sourced from DHS Program API.
People who have a bank account (%)	Sex Sex & Age Sex & Economic status Sex & Education Sex & Place of residence Sex & Subnational region	DHS Program metadata not available UNICEF Indicator Profile	Sourced from DHS Program API and the UNICEF Data Warehouse. Where DHS/AIS/MIS data were available in both sources, they were sourced from the DHS Program.
People who have ever used the internet (%)	Sex & Age Sex & Economic status Sex & Education Sex & Marital status Sex & Place of residence Sex & Subnational region	DHS Program metadata	Sourced from DHS Program API.
People who own a mobile phone (%)	Sex Sex & Age Sex & Economic status Sex & Education	DHS Program metadata not available UNICEF Indicator Profile	Sourced from DHS Program API and the UNICEF Data Warehouse. Where DHS/AIS/MIS data were available in both

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Indicator name	Disaggregation	Definition / Further information	Notes
	Sex & Place of residence Sex & Subnational region		sources, they were sourced from the DHS Program.
People who use a mobile phone for financial transactions (%)	Sex & Age Sex & Economic status Sex & Education Sex & Place of residence Sex & Subnational region	DHS Program metadata not available	Sourced from DHS Program API.
People who used the internet in the past 12 months (%)	Sex & Age Sex & Economic status Sex & Education Sex & Marital status Sex & Place of residence Sex & Subnational region	DHS Program metadata	Sourced from DHS Program API.
People with access to newspaper, television and radio at least once a week (%)	Sex & Age Sex & Economic status Sex & Education Sex & Marital status Sex & Place of residence Sex & Subnational region	DHS Program metadata	Sourced from DHS Program API.
People with no education (%)	Sex & Age Sex & Economic status Sex & Marital status Sex & Place of residence Sex & Subnational region	DHS Program metadata	Sourced from DHS Program API.
People with primary education (%)	Sex & Age Sex & Economic status Sex & Marital status Sex & Place of residence Sex & Subnational region	DHS Program metadata	Sourced from DHS Program API.
People with secondary or higher education (%)	Sex & Age Sex & Economic status Sex & Marital status Sex & Place of residence Sex & Subnational region	DHS Program metadata	Sourced from DHS Program API.

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Indicator name	Disaggregation	Definition / Further information	Notes
Population aged 25 years and older that completed at least upper secondary education (%)	Sex	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Population annual growth rate (%)	Sex	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Population in the poorest wealth quintile (%)	Place of residence Subnational region	DHS Program metadata	Sourced from DHS Program API.
Population using clean fuel for cooking (%)	Economic status Place of residence Subnational region	DHS Program metadata	Sourced from DHS Program API.
Population with electricity (%)	Economic status Place of residence Subnational region	DHS Program metadata	Sourced from DHS Program API.
Ratio of the population aged < 15 and 65+ to the number of persons of working age (15-64)	Sex	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Ratio of the population aged < 15 to the number of persons of working age (15-64)	Sex & Economic status Sex & Place of residence Sex & Subnational region	DHS Program metadata UNICEF Indicator Profile	Sourced from DHS Program API and the UNICEF Data Warehouse. Where DHS/AIS/MIS data were available in both sources, they were sourced from the DHS Program.
Ratio of the population aged 65+ to the number of persons of working age (15-64)	Sex & Economic status Sex & Place of residence Sex & Subnational region	DHS Program metadata UNICEF Indicator Profile	Sourced from DHS Program API and the UNICEF Data Warehouse. Where DHS/AIS/MIS data were available in both sources, they were sourced from the DHS Program.
Share of household income (%)	Economic status	UNICEF Indicator Profile	Sourced from UNICEF Data Warehouse.
Wealth index Gini coefficient	Place of residence Subnational region	DHS Program metadata	Sourced from DHS Program API.
Women who worked for cash and in-kind payment (%)	Employment type	DHS Program metadata	Sourced from DHS Program API.
Women who worked unpaid (%)	Employment type	DHS Program metadata	Sourced from DHS Program API.
Young people (aged 15-24 years) who are blind/visually impaired (%)	Sex & Economic status Sex & Marital status	DHS Program metadata	Sourced from DHS Program API.

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Indicator name	Disaggregation	Definition / Further information	Notes
	Sex & Place of residence Sex & Subnational region Sex & Age & Economic status Sex & Age & Marital status Sex & Age & Place of residence Sex & Age & Subnational region		
Young people (aged 15-24 years) who are literate (%)	Sex & Economic status Sex & Marital status Sex & Place of residence Sex & Subnational region Sex & Age & Economic status Sex & Age & Marital status Sex & Age & Place of residence Sex & Age & Subnational region	DHS Program metadata UNICEF Indicator Profile	Sourced from DHS Program API and the UNICEF Data Warehouse. Where DHS/AIS/MIS data were available in both sources, they were sourced from the DHS Program.
Young people (aged 15-24 years) who cannot read at all (%)	Sex & Economic status Sex & Marital status Sex & Place of residence Sex & Subnational region Sex & Age & Economic status Sex & Age & Marital status Sex & Age & Place of residence Sex & Age & Subnational region	DHS Program metadata	Sourced from DHS Program API.