World Health Organization

Health Inequality Data Repository

INDICATOR METADATA

HIV epidemiological estimates
(UNAIDS/UNICEF/WHO)

July 2023

HIV epidemiological estimates (UNAIDS/UNICEF/WHO)

About

This dataset is from the WHO Health Inequality Data Repository.

This dataset contains data on HIV indicators related to new infections, deaths and treatment disaggregated by age and sex.

Data source

Data are derived from UNAIDS/UNICEF/WHO annual estimates, available via AIDSinfo at https://aidsinfo.unaids.org.

Methodology

Methods used to calculate HIV incidence, mortality and treatment indicators can be found in the methods section of the UNAIDS Global AIDS Update Report.

Dataset metadata

Date of first publication	April 2023
Date of updated publication	n/a
Expected frequency of update	Annual
Date of data extraction	27 March 2023
Temporal coverage	2000–2021
Spatial coverage	Global
Spatial granularity	National
Number of countries, territories or areas	172
Number of indicators	8
Number of dimensions of inequality	3

Inequality dimensions

Depending on the indicator, **age** is divided into two subgroups (0-14 and 15+) or four subgroups (0-14, 15-24, 25-49 and 50+).

Sex (male and female).

Subnational region disaggregation is available for three countries: Ethiopia, Kenya and Zimbabwe.

Disclaimer

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

Copyright

HIV epidemiological estimates (UNAIDS/UNICEF/WHO)

Indicator metadata

Indicator name	Disaggregation	Definition / Further information	Notes
HIV incidence (new infections per 1000 uninfected population)	Age Sex Subnational region Sex & Age	The number of new HIV infections per 1000 uninfected population at risk in a given time period Numerator: Number of new HIV infections Denominator: Uninfected population (total population minus people living with HIV)	
AIDS-related mortality (deaths per 1000 population)	Age Sex Subnational region Sex & Age	Total number of people who have died from AIDS-related causes per 1000 population Numerator: Number of people dying from AIDS-related causes during calendar year Denominator: Total population regardless of HIV status	
HIV prevalence (%)	Age Sex Sex & Age	The percentage of people living with HIV in a given time period Numerator: Number of people who test positive for HIV Denominator: Total population	
People living with HIV on antiretroviral therapy (%)	Age Sex Subnational region	Percentage of people on antiretroviral therapy among all people aged 15 years and older living with HIV at the end of the reporting period Numerator: Number of people on antiretroviral therapy at the end of the reporting period Denominator: Estimated number of people living with HIV (to determine treatment coverage)	Age disaggregation based on total population. Sex disaggregation based on population aged 15+ years.
People living with HIV who are on antiretroviral therapy and have suppressed viral load (%)	Age Sex Subnational region	Percentage of people living with HIV who are on antiretroviral therapy and have suppressed viral loads at the end of the reporting period Numerator: Number of people living with HIV in reporting period who are on treatment and have suppressed viral loads (< 1000 copies/mL) Denominator: Estimated number of people living with HIV who are on treatment	Age disaggregation based on total population. Sex disaggregation based on population aged 15+ years.
People living with HIV with suppressed viral load (%)	Age Sex Subnational region	Percentage of people living with HIV who have suppressed viral loads at end of reporting period Numerator: Number of people living with HIV in reporting period who have suppressed viral loads (< 1000 copies/mL)	Age disaggregation based on total population. Sex disaggregation based

HIV epidemiological estimates (UNAIDS/UNICEF/WHO)

		Denominator: Estimated number of people living with HIV	on population aged 15+ years.
People living with HIV who know their HIV-positive status (%)	Sex Subnational region	Percentage of people aged 15 years and older living with HIV who know their HIV-positive status at the end of the reporting period Numerator: Number of people aged 15 years and older living with HIV who know their HIV-positive status Denominator: Number of people aged 15 years and older living with HIV	
People living with HIV who know their HIV-positive status and are on antiretroviral therapy (%)	Sex Subnational region	Percentage of people aged 15 years and older living with HIV who know their HIV-positive status and are on antiretroviral therapy at the end of the reporting period Numerator: Number of people aged 15 years and older living with HIV who know their HIV-positive status and are on treatment Denominator: Number of people aged 15 years and older living with HIV	