



Health Inequality Data Repository

INDICATOR METADATA

HIV epidemiological estimates
(UNAIDS/UNICEF/WHO)

April 2023

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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 | 172 |
| Number of indicators | 8 |
| Number of dimensions of inequality | 2 |

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).

Disclaimer

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

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Indicator metadata

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

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