Latest HIV estimates and updates on HIV policies uptake, December 2021

Global HIV, Hepatitis and STI Programmes

Photo © WHO / Andre Rugema
1. Global and regional epidemic

2. Global and regional progress and cascade

3. WHO policy uptake and accountability
## Summary of the global HIV epidemic, 2020

<table>
<thead>
<tr>
<th></th>
<th>People living with HIV in 2020</th>
<th>People acquiring HIV in 2020</th>
<th>People dying from HIV-related causes in 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>37.7 million [30.2–45.1 million]</td>
<td>1.5 million [1.0–2.0 million]</td>
<td>680 000 [480 000–1.0 million]</td>
</tr>
<tr>
<td><strong>Adults</strong> (15+ years)</td>
<td>36.0 million [28.9–43.2 million]</td>
<td>1.3 million [910 000–1.8 million]</td>
<td>580 000 [400 000–850 000]</td>
</tr>
<tr>
<td><strong>Women</strong> (15+ years)</td>
<td>19.3 million [15.5–23.1 million]</td>
<td>660 000 [450 000–920 000]</td>
<td>240 000 [170 000–360 000]</td>
</tr>
<tr>
<td><strong>Men</strong> (15+ years)</td>
<td>16.7 million [13.3–20.1 million]</td>
<td>640 000 [460 000–890 000]</td>
<td>340 000 [230 000–490 000]</td>
</tr>
<tr>
<td><strong>Children</strong> (&lt;15 years)</td>
<td>1.7 million [1.2–2.2 million]</td>
<td>150 000 [100 000–240 000]</td>
<td>99 000 [68 000–160 000]</td>
</tr>
</tbody>
</table>

Source: UNAIDS/WHO estimates

Updated: July 2021
Summary of the global HIV epidemic, 2020

- **37.7 million** people living with HIV
  - [30.2–45.1 million]
- **1.5 million** people acquiring HIV
  - [1.0–2.0 million]
- **0.7 million** HIV-related deaths
  - [0.5–1.0 million]

Source: UNAIDS/WHO estimates

Updated: July 2021
Global HIV epidemic – people living with HIV

2020
Globally
37.7 million People living with HIV

+21% Relative to 2010

Source: UNAIDS/WHO estimates

Updated: July 2021
Global HIV epidemic – incidence and mortality since 2010

2020
Globally
37.7 million
People living with HIV

- 31%
New infections annually relative to 2010

- 47%
Deaths annually relative to 2010

Source: UNAIDS/WHO estimates

Updated: July 2021
Global HIV epidemic – incidence and mortality since 2000

2020
Globally
37.7 million
People living with HIV

- 49%
New infections annually relative to 2000

- 55%
Deaths annually relative to 2000

Source: UNAIDS/WHO estimates

Updated: July 2021
Decline in number of people acquiring HIV and HIV-related deaths globally over time

Source: UNAIDS/WHO estimates

Updated: July 2021
People living with HIV by WHO region, 2020

37.7 million people living with HIV globally

- Africa: 25.4 million
- America: 3.7 million
- South-East Asia: 3.7 million
- Europe: 2.6 million
- Eastern Mediterranean: 420,000
- Western Pacific: 1.9 million

Source: UNAIDS/WHO estimates

Updated: July 2021
Summary of regional HIV epidemic

2020
WHO African Region
25.4 million People living with HIV

- 42% New infections annually relative to 2010
- 48% Deaths annually relative to 2010

Source: UNAIDS/WHO estimates

Updated: July 2021
Summary of regional HIV epidemic

2020
WHO Region of the Americas
3.7 million
People living with HIV

- 6%
New infections annually relative to 2010

- 30%
Deaths annually relative to 2010

Source: UNAIDS/WHO estimates

Updated: July 2021
Summary of regional HIV epidemic

2020
WHO Eastern Mediterranean Region
420,000 People living with HIV

+ 44% New infections annually relative to 2010

+ 50% Deaths annually relative to 2010

Source: UNAIDS/WHO estimates
Updated: July 2021
Summary of regional HIV epidemic

2020
WHO European Region
2.6 million People living with HIV

+ 29%
New infections annually relative to 2010

+ 25%
Deaths annually relative to 2010

Source: UNAIDS/WHO estimates
Updated: July 2021
Summary of regional HIV epidemic

2020
WHO South-East Asian Region
3.7 million People living with HIV

- 46% New infections annually relative to 2010
- 64% Deaths annually relative to 2010

Source: UNAIDS/WHO estimates

Updated: July 2021
Summary of regional HIV epidemic

2020
WHO Western Pacific Region
1.9 million
People living with HIV

+ 8%
New infections annually relative to 2010

- 38%
Deaths annually relative to 2010

Source: UNAIDS/WHO estimates

Updated: July 2021
## New HIV infections by WHO region, 2019–2020

<table>
<thead>
<tr>
<th>WHO region</th>
<th>Number of people acquiring HIV 2019</th>
<th>Number of people acquiring HIV 2020</th>
<th>New HIV infections (per 1000 uninfected population) 2019</th>
<th>New HIV infections (per 1000 uninfected population) 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>950 000</td>
<td>880 000</td>
<td>0.91</td>
<td>0.82</td>
</tr>
<tr>
<td></td>
<td>[640 000–1 400 000]</td>
<td>[590 000–1 300 000]</td>
<td>[0.61–1.33]</td>
<td>[0.55–1.2]</td>
</tr>
<tr>
<td>Americas</td>
<td>160 000</td>
<td>150 000</td>
<td>0.16</td>
<td>0.15</td>
</tr>
<tr>
<td></td>
<td>[110 000–210 000]</td>
<td>[110 000–210 000]</td>
<td>[0.11–0.21]</td>
<td>[0.11–0.21]</td>
</tr>
<tr>
<td>South-East Asia</td>
<td>110 000</td>
<td>100 000</td>
<td>0.05</td>
<td>0.05</td>
</tr>
<tr>
<td></td>
<td>[75 000–140 000]</td>
<td>[71 000–130 000]</td>
<td>[0.04–0.07]</td>
<td>[0.04–0.06]</td>
</tr>
<tr>
<td>Europe</td>
<td>170 000</td>
<td>170 000</td>
<td>0.18</td>
<td>0.18</td>
</tr>
<tr>
<td></td>
<td>[140 000–200 000]</td>
<td>[140 000–200 000]</td>
<td>[0.15–0.21]</td>
<td>[0.15–0.21]</td>
</tr>
<tr>
<td>Eastern Mediterranean</td>
<td>39 000</td>
<td>41 000</td>
<td>0.06</td>
<td>0.06</td>
</tr>
<tr>
<td></td>
<td>[34 000–57 000]</td>
<td>[35 000–60 000]</td>
<td>[0.05–0.09]</td>
<td>[0.05–0.09]</td>
</tr>
<tr>
<td>Western Pacific</td>
<td>110 000</td>
<td>120 000</td>
<td>0.06</td>
<td>0.06</td>
</tr>
<tr>
<td></td>
<td>[77 000–150 000]</td>
<td>[78 000–150 000]</td>
<td>[0.04–0.08]</td>
<td>[0.04–0.08]</td>
</tr>
<tr>
<td>Global</td>
<td>1 500 000</td>
<td>1 500 000</td>
<td>0.2</td>
<td>0.19</td>
</tr>
<tr>
<td></td>
<td>[1 100 000–2 100 000]</td>
<td>[1 000 000–2 000 000]</td>
<td>[0.14–0.28]</td>
<td>[0.13–0.27]</td>
</tr>
</tbody>
</table>

Source: UNAIDS/WHO estimates
## HIV-related deaths by WHO region, 2019–2020

<table>
<thead>
<tr>
<th>WHO region</th>
<th>Number of HIV-related deaths 2019</th>
<th>Number of HIV-related deaths 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>480,000</td>
<td>460,000</td>
</tr>
<tr>
<td></td>
<td>[340,000–700,000]</td>
<td>[320,000–680,000]</td>
</tr>
<tr>
<td>Americas</td>
<td>48,000</td>
<td>45,000</td>
</tr>
<tr>
<td></td>
<td>[32,000–67,000]</td>
<td>[30,000–63,000]</td>
</tr>
<tr>
<td>South-East Asia</td>
<td>100,000</td>
<td>82,000</td>
</tr>
<tr>
<td></td>
<td>[67,000–150,000]</td>
<td>[55,000–130,000]</td>
</tr>
<tr>
<td>Europe</td>
<td>37,000</td>
<td>40,000</td>
</tr>
<tr>
<td></td>
<td>[29,000–48,000]</td>
<td>[31,000–51,000]</td>
</tr>
<tr>
<td>Eastern Mediterranean</td>
<td>16,000</td>
<td>17,000</td>
</tr>
<tr>
<td></td>
<td>[13,000–23,000]</td>
<td>[14,000–24,000]</td>
</tr>
<tr>
<td>Western Pacific</td>
<td>40,000</td>
<td>41,000</td>
</tr>
<tr>
<td></td>
<td>[24,000–62,000]</td>
<td>[24,000–63,000]</td>
</tr>
<tr>
<td>Global</td>
<td>720,000</td>
<td>680,000</td>
</tr>
<tr>
<td></td>
<td>[510,000–1,100,000]</td>
<td>[480,000–1,000,000]</td>
</tr>
</tbody>
</table>

Source: UNAIDS/WHO estimates

Updated: July 2021
Member of key population acquiring HIV, global, 2020

- 11% Sex workers
- 35% Remaining population
- 20% Clients of sex workers and sex partners of other key populations
- 9% People who inject drugs
- 23% Gay men and other men who have sex with men
- 2% Transgender women

Source: UNAIDS special analysis, 2021

Updated: July 2021
1. Global and regional epidemic

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Global trends in people acquiring HIV and people dying from HIV-related causes, 2010–2020 and projections to 2030

Epidemiological progress until the end of 2020

Projected impact of scaling up and achieving the 2025 targets

90% reduction by 2030 (using 2010 as a baseline)

2020 targets for both people acquiring HIV and people dying from HIV-related causes (<500 000)


Updated: July 2021
Progress towards 90–90–90 targets of the HIV service cascade, by age group, 2020

Source: UNAIDS/WHO estimates, 2021

Updated: July 2021
Progress towards 90–90–90 and 95–95–95 targets of the HIV service cascade, by WHO region, 2020

Updated: July 2021

Source: UNAIDS/WHO estimates
The denominator is the value from the previous bar in the last three bars. For example, 87% of people who were aware of their status were receiving ART.

90-90-90 targets by 2020 (displayed here):
- 90 percent of people living with HIV know their status
- 90 percent of people living with HIV who know their status are receiving treatment
- 90 percent of people on treatment have suppressed viral loads

This results in 81% of all HIV positive people on treatment and 73% of all HIV positive people achieving viral suppression.

Source: UNAIDS/WHO estimates
90-90-90 targets by 2020:
- 90 percent of people living with HIV know their status
- 90 percent of people living with HIV who know their status are receiving treatment
- 90 percent of people on treatment have suppressed viral loads

This results in 81% of all HIV positive people on treatment and 73% of all HIV positive people achieving viral suppression (displayed here).

Source: UNAIDS/WHO estimates

The denominator is “People living with HIV” in the last three bars.
Increase in people receiving antiretroviral therapy over time

Source: UNAIDS/WHO estimates

Updated: December 2021

Total number of people receiving ART

Projection towards 2025 target (see slide on 95-95-95 targets)

28.2 million people on ART by June 2021
Global antiretroviral therapy coverage over time, 2000–2020

Source: UNAIDS/WHO estimates

Updated: July 2021
ART coverage by sex among adults, by WHO region, 2020

- **Global**: 68% Men, 79% Women
- **African Region**: 70% Men, 83% Women
- **Eastern and Southern Africa**: 72% Men, 83% Women
- **Western and Central Africa**: 64% Men, 80% Women
- **Region of the Americas**: 71% Men, 72% Women
- **South-East Asia Region**: 55% Men, 67% Women
- **European Region**: 66% Men, 61% Women
- **Eastern Mediterranean Region**: 23% Men, 30% Women
- **Western Pacific Region**: 78% Men, 71% Women

Source: UNAIDS/WHO estimates

Updated: July 2021
Prevention of mother-to-child transmission coverage over time, global, 2010–2020

Source: UNAIDS/WHO estimates

Updated: July 2021
Prevention of mother-to-child transmission coverage, by WHO region, 2020

Source: UNAIDS/WHO estimates

Updated: July 2021
Number of countries reporting disruption in antiretroviral therapy services, by WHO region, in June 2020, November 2020 and March 2021


Updated: July 2021
Disruption in antiretroviral therapy services caused by COVID-19 by WHO region, March 2021

Source: WHO HIV, hepatitis and sexually transmitted infections survey, 2021 and Second round of the national pulse survey on continuity of essential health services during the COVID-19 pandemic: January–March 2021 (consolidated data).
1. Global and regional epidemic

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Service provision modalities included in the national policy on ART for adults, adolescents and children (n=122), 2019 and 2021

<table>
<thead>
<tr>
<th>Service Provision Modality</th>
<th>2021</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nutrition assessment, counselling and support provided to malnourished people living with HIV</td>
<td>93</td>
<td></td>
</tr>
<tr>
<td>Antiretroviral therapy providers provide TB treatment in antiretroviral therapy settings for the duration of TB treatment</td>
<td>93</td>
<td>93</td>
</tr>
<tr>
<td>Patient-centered support separated from facilities</td>
<td>58</td>
<td>72</td>
</tr>
<tr>
<td>Maternal, newborn and child health service providers provide antiretroviral therapy in MNCH clinics</td>
<td>74</td>
<td>74</td>
</tr>
<tr>
<td>Tuberculosis service providers provide antiretroviral therapy in TB clinics for the duration of TB treatment</td>
<td>51</td>
<td>72</td>
</tr>
<tr>
<td>Antiretroviral therapy providers deliver antiretroviral therapy for pregnant women</td>
<td>72</td>
<td>74</td>
</tr>
<tr>
<td>Antiretroviral therapy providers carry out cardiovascular disease screening and management</td>
<td>48</td>
<td>71</td>
</tr>
<tr>
<td>Antiretroviral therapy providers deliver antiretroviral therapy for newborns, infants and children</td>
<td>67</td>
<td></td>
</tr>
<tr>
<td>Antiretroviral therapy providers carry out mental health screening and treatment</td>
<td>63</td>
<td>63</td>
</tr>
<tr>
<td>Psychosocial support strategies for patient-centered care</td>
<td>39</td>
<td>39</td>
</tr>
<tr>
<td>Antiretroviral therapy delivered in the community as part of a differentiated care model</td>
<td>53</td>
<td>53</td>
</tr>
<tr>
<td>Key population-friendly services</td>
<td>47</td>
<td></td>
</tr>
<tr>
<td>Primary health-care providers deliver antiretroviral therapy in primary health care for adults and adolescents</td>
<td>41</td>
<td></td>
</tr>
<tr>
<td>Antiretroviral therapy delivered in settings providing opioid substitution therapy</td>
<td>34</td>
<td>34</td>
</tr>
<tr>
<td>Adolescent-friendly health services</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>Primary health-care providers deliver antiretroviral therapy in primary health care settings for children</td>
<td>32</td>
<td>32</td>
</tr>
</tbody>
</table>

Source: Global AIDS Monitoring (UNAIDS/WHO/UNICEF) and Global HIV, Hepatitis and STIs Programmes (HHS), WHO, 2021
National policies on frequency of ART pick-up for people who are stable on ART, 2021

Source: Global AIDS Monitoring (UNAIDS/WHO/UNICEF) and Global HIV, Hepatitis and STIs Programmes (HHS), WHO, 2021
Preferred first-line regimens among adults and adolescents in low- and middle-income countries, June 2021

Source: Global AIDS Monitoring (UNAIDS/WHO/UNICEF) and Global HIV, Hepatitis and STIs Programmes (HHS), WHO, 2021

Disclaimer: The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.
Uptake of WHO policy for Treat All initiation among adults and adolescents living with HIV, June 2021

Source: Global AIDS Monitoring (UNAIDS/WHO/UNICEF) and Global HIV, Hepatitis and STIs Programmes (HHS), WHO, 2021

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Implementation of Treat All recommendation among adults and adolescents living with HIV, June 2021
National policy on routine viral load testing for monitoring ART and level of implementation among adults and adolescents living with HIV, June 2021

Source: Global AIDS Monitoring (UNAIDS/WHO/UNICEF) and Global HIV, Hepatitis and STIs Programmes (HHS), WHO, 2021

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