Latest HIV estimates and updates on HIV policies uptake, November 2020

Global HIV, Hepatitis and STI Programmes

World Health Organization
1. Global and regional epidemic

2. Global and regional progress and cascade

3. Policy uptake and accountability
Summary of the global HIV epidemic, 2019

- **38.0 million** people living with HIV
  - [31.6 million – 44.5 million]

- **1.7 million** people newly infected
  - [1.2 million – 2.2 million]

- **0.7 million** HIV-related deaths
  - [0.5 million – 1.0 million]

Source: UNAIDS/WHO estimates
Global HIV epidemic – people living with HIV

2019
Globally
38.0 million
People living with HIV

+24%
Relative to 2010

Source: UNAIDS/WHO estimates
Global HIV epidemic – incidence and mortality since 2010

2019
Globally

38.0 million
People living with HIV

- 23%
New infections annually relative to 2010

- 39%
Deaths annually relative to 2010

Source: UNAIDS/WHO estimates
Global HIV epidemic – incidence and mortality since 2000

Globally

2019

38.0 million People living with HIV

- 39% New diagnoses annually relative to 2000

- 51% Deaths annually relative to 2000

Source: UNAIDS/WHO estimates
<table>
<thead>
<tr>
<th></th>
<th>People living with HIV in 2019</th>
<th>People newly infected with HIV in 2019</th>
<th>HIV-related deaths 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sum</strong></td>
<td>38.0 million [31.6 million – 44.5 million]</td>
<td>1.7 million [1.2 million – 2.2 million]</td>
<td>690 000 [500 000 – 970 000 million]</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Adults</strong></td>
<td>36.2 million [30.2 million – 42.5 million]</td>
<td>1.5 million [1.1 million – 2.0 million]</td>
<td>600 000 [430 000 – 840 000]</td>
</tr>
<tr>
<td><strong>Women</strong></td>
<td>19.2 million [16.4 million – 22.2 million]</td>
<td>790 000 [590 000 – 1.1 million]</td>
<td>300 000 [220 000 – 420 000]</td>
</tr>
<tr>
<td><strong>Men</strong></td>
<td>17.0 million [13.8 million – 20.4 million]</td>
<td>870 000 [630 000 – 1.2 million]</td>
<td>390 000 [280 000 – 560 000]</td>
</tr>
<tr>
<td><strong>Children (&lt;15 years)</strong></td>
<td>1.8 million [1.3 million – 2.2 million]</td>
<td>150 000 [94 000 – 240 000]</td>
<td>95 000 [61 000 – 150 000]</td>
</tr>
</tbody>
</table>

Source: UNAIDS/WHO estimates
Decline in HIV incidence and mortality over time

Source: UNAIDS/WHO estimates
People living with HIV by WHO region, 2019

- **Africa**: 25.7 million
- **America**: 3.7 million
- **South-East Asia**: 3.7 million
- **Europe**: 2.6 million
- **Eastern Mediterranean**: 420,000
- **Western Pacific**: 1.9 million

38.0 million people living with HIV globally

Source: UNAIDS/WHO estimates
Summary of regional HIV epidemic

2019
WHO African Region
25.7 million
People living with HIV

- 35%
New diagnoses annually relative to 2010

- 46%
Deaths annually relative to 2010

Source: UNAIDS/WHO estimates
Summary of regional HIV epidemic

2019

WHO Region of the Americas

3.7 million People living with HIV

Source: UNAIDS/WHO estimates

+ 7%
New diagnoses annually relative to 2010

- 20%
Deaths annually relative to 2010
Summary of regional HIV epidemic

2019
WHO Eastern Mediterranean Region

420 000 People living with HIV

+47% New diagnoses annually relative to 2010

+57% Deaths annually relative to 2010

Source: UNAIDS/WHO estimates
Summary of regional HIV epidemic

2019

WHO European Region

2.6 million People living with HIV

+49% New diagnoses annually relative to 2010

+14% Deaths annually relative to 2010

Source: UNAIDS/WHO estimates
Summary of regional HIV epidemic

2019
WHO South-East Asian Region
3.7 million People living with HIV

-26% New diagnoses annually relative to 2010
-30% Deaths annually relative to 2010

Source: UNAIDS/WHO estimates
Summary of regional HIV epidemic

2019
WHO Western Pacific Region
1.9 million
People living with HIV

+3%
New diagnoses annually relative to 2010

-36%
Deaths annually relative to 2010

Source: UNAIDS/WHO estimates
Distribution of new HIV infections by key population, global, 2019

- Sex workers: 8%
- People who inject drugs: 10%
- Gay men and other men who have sex with men: 23%
- Transgender women: 2%
- Clients of sex workers and sex partners of other key populations: 19%
- Remaining population: 38%

Source: UNAIDS special analysis, 2020
Key populations and their sexual partners account for:

- **Globally (2019)**: 62% of new HIV infections
- **Eastern Europe and Central Asia**: 99% of new HIV infections
- **Western and Central Europe and North America**: 96% of new HIV infections
- **Middle East and North Africa**: 97% of new HIV infections
- **Eastern and Southern Africa**: 98% of new HIV infections
- **Asia and the Pacific**: 97% of new HIV infections
- **Latin America and the Caribbean**: 76% of new HIV infections

Source: UNAIDS special analysis, 2020
1. Global and regional epidemic

2. Global and regional progress and cascade

3. Policy uptake and accountability
Global number of people newly infected with HIV

Source: UNAIDS/WHO estimates

- 2000: 2.7 million
- 2019: 1.7 million
- 2020: < 500,000
- 2030: < 200,000

Target

Source: UNAIDS/WHO estimates
Global number of HIV-related deaths

- **2000**: 1.4 million
- **2019**: 690,000
- **2020**: < 500,000
- **2030**: < 400,000

Source: UNAIDS/WHO estimates
People receiving ART from 2010 till end June 2020 and progress needed to meet 2020 and 2025 targets

Source: UNAIDS/WHO estimates
HIV testing and care continuum, global, 2019

- **People living with HIV**: 38 million
- **Aware of HIV status**: 30.6 million (81%)
- **On treatment**: 22.6 million (67%)
- **Viral load suppression**: 13.5 million (59%)

The denominator is “People living with HIV” in the last three bars.

Source: UNAIDS/WHO estimates
HIV testing and care continuum, global, 2019

The denominator is the value from the previous bar in the last three bars. For example, 82% of people who were aware of their status were receiving ART.

Source: UNAIDS/WHO estimates
HIV testing and care continuum by WHO region, 2019

Source: UNAIDS/WHO estimates
Global ART coverage over time

Source: UNAIDS/WHO estimates
## New HIV infections by region, 2018–2019

<table>
<thead>
<tr>
<th>WHO region</th>
<th>Number of new HIV infections 2018</th>
<th>Number of new HIV infections 2019</th>
<th>New HIV infections all ages (per 1000 uninfected population) 2018</th>
<th>New HIV infections all ages (per 1000 uninfected population) 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>1 000 000</td>
<td>970 000</td>
<td>1</td>
<td>0.94</td>
</tr>
<tr>
<td></td>
<td>[760 000-1 400 000]</td>
<td>[730 000-1 300 000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Americas</td>
<td>170 000</td>
<td>170 000</td>
<td>0.17</td>
<td>0.17</td>
</tr>
<tr>
<td></td>
<td>[110 000-240 000]</td>
<td>[110 000-240 000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>South-East Asia</td>
<td>170 000</td>
<td>160 000</td>
<td>0.08</td>
<td>0.08</td>
</tr>
<tr>
<td></td>
<td>[120 000-220 000]</td>
<td>[110 000-210 000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Europe</td>
<td>190 000</td>
<td>190 000</td>
<td>0.2</td>
<td>0.21</td>
</tr>
<tr>
<td></td>
<td>[150 000-230 000]</td>
<td>[160 000-240 000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eastern Mediterranean</td>
<td>41 000</td>
<td>44 000</td>
<td>0.07</td>
<td>0.07</td>
</tr>
<tr>
<td></td>
<td>[31 000-63 000]</td>
<td>[33 000-67 000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Pacific</td>
<td>110 000</td>
<td>110 000</td>
<td>0.06</td>
<td>0.06</td>
</tr>
<tr>
<td></td>
<td>[70 000-150 000]</td>
<td>[71 000-150 000]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Global</td>
<td>1 700 000</td>
<td>1 700 000</td>
<td>0.23</td>
<td>0.22</td>
</tr>
<tr>
<td></td>
<td>[1 200 000-2 300 000]</td>
<td>[1 200 000-2 200 000]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source: UNAIDS/WHO estimates
## HIV-related deaths by WHO region, 2018–2019

<table>
<thead>
<tr>
<th>WHO region</th>
<th>Number of deaths due to HIV/AIDS 2018</th>
<th>Number of deaths due to HIV/AIDS 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>460 000</td>
<td>440 000</td>
</tr>
<tr>
<td></td>
<td>[350 000 - 620 000]</td>
<td>[330 000 - 590 000]</td>
</tr>
<tr>
<td>Americas</td>
<td>52 000</td>
<td>52 000</td>
</tr>
<tr>
<td></td>
<td>[34 000 - 75 000]</td>
<td>[34 000 - 76 000]</td>
</tr>
<tr>
<td>South-East Asia</td>
<td>120 000</td>
<td>110 000</td>
</tr>
<tr>
<td></td>
<td>[75 000 - 190 000]</td>
<td>[65 000 - 160 000]</td>
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<tr>
<td>Europe</td>
<td>38 000</td>
<td>39 000</td>
</tr>
<tr>
<td></td>
<td>[28 000 - 53 000]</td>
<td>[28 000 - 54 000]</td>
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<tr>
<td>Eastern Mediterranean</td>
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<td></td>
<td>[10 000 - 22 000]</td>
<td>[11 000 - 23 000]</td>
</tr>
<tr>
<td>Western Pacific</td>
<td>42 000</td>
<td>41 000</td>
</tr>
<tr>
<td></td>
<td>[22 000 - 72 000]</td>
<td>[22 000 - 70 000]</td>
</tr>
<tr>
<td>Global</td>
<td>730 000</td>
<td>690 000</td>
</tr>
<tr>
<td></td>
<td>[530 000 - 1 000 000]</td>
<td>[500 000 - 970 000]</td>
</tr>
</tbody>
</table>

Source: UNAIDS/WHO estimates
## People receiving ART by WHO region, 2000–2019

<table>
<thead>
<tr>
<th>WHO Region</th>
<th>2000</th>
<th></th>
<th></th>
<th>2010</th>
<th></th>
<th></th>
<th>2019</th>
<th></th>
<th></th>
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<tbody>
<tr>
<td></td>
<td>Number of people on ART</td>
<td>Estimated number of people living with HIV</td>
<td>ART coverage (%)</td>
<td>Number of people on ART</td>
<td>Estimated number of people living with HIV</td>
<td>ART coverage (%)</td>
<td>Number of people on ART</td>
<td>Estimated number of people living with HIV</td>
<td>ART coverage (%)</td>
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<tr>
<td><strong>African Region</strong></td>
<td>10 000</td>
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<tr>
<td></td>
<td>[14 800 000-19 500 000]</td>
<td>[18 500 000-24 300 000]</td>
<td>[0-0]</td>
<td>[14 800 000-18 400 000]</td>
<td>[18 100 000-24 300 000]</td>
<td>[20-28]</td>
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<td>[20 400 000]</td>
<td>[62-82]</td>
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<tr>
<td>Eastern and Southern Africa</td>
<td>8200</td>
<td>13 000 000</td>
<td>0</td>
<td>4 200 000</td>
<td>16 600 000</td>
<td>25</td>
<td>14 900 000</td>
<td>20 400 000</td>
<td>73</td>
</tr>
<tr>
<td>Western and Central Africa</td>
<td>2300</td>
<td>4 100 000</td>
<td>0</td>
<td>880 000</td>
<td>4 700 000</td>
<td>19</td>
<td>3 000 000</td>
<td>5 300 000</td>
<td>56</td>
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<tr>
<td>Region of the Americas</td>
<td>370 000</td>
<td>2 000 000</td>
<td>19</td>
<td>1 200 000</td>
<td>2 800 000</td>
<td>44</td>
<td>2 500 000</td>
<td>3 700 000</td>
<td>67</td>
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<tr>
<td></td>
<td>[1 400 000-2 500 000]</td>
<td>[2 000 000-3 600 000]</td>
<td>[14-24]</td>
<td>[190 000-350 000]</td>
<td>[2 000 000-3 600 000]</td>
<td>[28-56]</td>
<td>[2 700 000-4 700 000]</td>
<td>[47-86]</td>
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</tr>
<tr>
<td>Eastern Mediterranean Region</td>
<td>1600</td>
<td>91 000</td>
<td>2</td>
<td>19 000</td>
<td>240 000</td>
<td>8</td>
<td>100 000</td>
<td>420 000</td>
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<td>[71 000-130 000]</td>
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<td>[2 000 000-3 600 000]</td>
<td>[6-12]</td>
<td>[330 000-610 000]</td>
<td>[18-36]</td>
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<tr>
<td>European Region</td>
<td>190 000</td>
<td>780 000</td>
<td>24</td>
<td>570 000</td>
<td>1 600 000</td>
<td>37</td>
<td>1 500 000</td>
<td>2 600 000</td>
<td>58</td>
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<tr>
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<td>[650 000-920 000]</td>
<td>[1 300 000-1 800 000]</td>
<td>[20-28]</td>
<td>[1 300 000-1 800 000]</td>
<td>[2 000 000-3 600 000]</td>
<td>[27-44]</td>
<td>[2 200 000-3 000 000]</td>
<td>[46-68]</td>
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</tr>
<tr>
<td>South-East Asia Region</td>
<td>1700</td>
<td>3 200 000</td>
<td>0</td>
<td>670 000</td>
<td>3 400 000</td>
<td>20</td>
<td>2 200 000</td>
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<td>[2 600 000-4 200 000]</td>
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<td>[2 600 000-4 200 000]</td>
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<td>[13-25]</td>
<td>[2 800 000-4 600 000]</td>
<td>[44-75]</td>
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<tr>
<td>Western Pacific Region</td>
<td>10 000</td>
<td>910 000</td>
<td>1</td>
<td>240 000</td>
<td>1 400 000</td>
<td>16</td>
<td>1 300 000</td>
<td>1 900 000</td>
<td>65</td>
</tr>
<tr>
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<td>[1 000 000-1 800 000]</td>
<td>[1-1]</td>
<td>[1 000 000-1 800 000]</td>
<td>[1 300 000-2 400 000]</td>
<td>[10-21]</td>
<td>[1 300 000-2 400 000]</td>
<td>[44-83]</td>
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<tr>
<td><strong>Global</strong></td>
<td>590 000</td>
<td>24 000 000</td>
<td>2</td>
<td>7 800 000</td>
<td>30 700 000</td>
<td>25</td>
<td>25 400 000</td>
<td>38 000 000</td>
<td>67</td>
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<tr>
<td></td>
<td>[20 000 000-28 200 000]</td>
<td>[25 600 000-36 100 000]</td>
<td>[2-3]</td>
<td>[25 600 000-36 100 000]</td>
<td>[31 600 000-44 500 000]</td>
<td>[19-30]</td>
<td>[31 600 000-44 500 000]</td>
<td>[54-79]</td>
<td></td>
</tr>
</tbody>
</table>

Source: UNAIDS/WHO estimates
1. Global and regional epidemic

2. Global and regional progress and cascade

3. Policy uptake and accountability
Service provision modalities included in the national policy on ART for adults, adolescents and children (n=118), 2020

- Nutrition assessment, counselling and support provided to malnourished people living with HIV: 73%
- Maternal, newborn and child health service providers provide ART in MNCH clinics: 71%
- ART providers provide TB treatment in ART settings: 67%
- Primary health care providers provide ART in primary health care settings: 59%
- ART providers carry out cardiovascular disease screening and management: 55%
- TB service providers provide antiretroviral therapy in TB clinics: 52%
- ART providers carry out mental health screening and treatment: 43%
- ART delivered in the community as part of a differentiated care model: 37%
- ART provided in settings providing opioid substitution therapy: 27%

Source: Global HIV, Hepatitis and STIs Programme (HSS), WHO, 2020
Intensified TB case finding among people living with HIV: 92%

TB infection control in HIV health-care settings: 90%

Co-trimoxazole prophylaxis: 88%

Isoniazid preventive therapy (IPT) or latent TB infection (LTBI) prophylaxis for people living with HIV: 87%

Hepatitis B screening and management in antiretroviral therapy clinics: 73%

Hepatitis C screening and management in antiretroviral therapy clinics: 61%

Hepatitis B vaccination provided at antiretroviral therapy clinics: 42%

Hepatitis C treatment (direct-acting antiviral agents) provided in antiretroviral therapy clinics: 42%

Source: Global HIV, Hepatitis and STIs Programme (HSS), WHO, 2020
National policies on frequency of ART pick-up for people who are stable on ART, 2020

ARV multi-month dispensing policy adoption (n=144)

Yes (n=129) 90%

No (n=15) 10%

Frequency of antiretroviral dispensing in national policies by WHO Region (n=129)

- African Region (n=39)
- Region of the Americas (n=31)
- South-East Asia Region (n=10)
- European Region (n=16)
- Eastern Mediterranean Region (n=16)
- Western Pacific Region (n=17)

Countries reporting on ARV disruptions due to COVID-19, November 2020

Results compiled from a survey conducted by WHO in November 2020 (n=152): 9 countries reported ARV disruptions

Source: Global HIV, Hepatitis and STIs Programmes (HSS), WHO, 2020
Status of HIV self-testing (HIVST) in national policies, June 2020

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Source: Global AIDS Monitoring (UNAIDS/WHO/UNICEF) and Global HIV, Hepatitis and STIs Programmes (HSS), WHO, 2020
Preferred first line regimen among adults and adolescents in low- and middle-income countries, June 2020

Source: Global AIDS Monitoring (UNAIDS/WHO/UNICEF) and Global HIV, Hepatitis and STIs Programmes (HSS), WHO, 2020

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Uptake of WHO policy for Treat All initiation among adults and adolescents living with HIV, June 2020

- **Treat All regardless of CD4 count**
- **≤500 CD4 cells/mm³**
- **Data not reported**
- **Not applicable**

Source: Global AIDS Monitoring (UNAIDS/WHO/UNICEF) and Global HIV, Hepatitis and STIs Programmes (HSS), WHO, 2020

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Uptake of WHO policy for Treat All initiation among children and adolescents <15 years living with HIV, June 2020

Source: Global AIDS Monitoring (UNAIDS/WHO/UNICEF) and Global HIV, Hepatitis and STIs Programmes (HSS), WHO, 2020

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Implementation of Treat All recommendation among adults and adolescents living with HIV, June 2020

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National policy on routine viral load testing for monitoring ART and level of implementation among adults and adolescents living with HIV, June 2020

Source: Global AIDS Monitoring (UNAIDS/WHO/UNICEF) and Global HIV, Hepatitis and STIs Programmes (HSS), WHO, 2020

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