

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



Global HIV, Hepatitis and STI Programmes



**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

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

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



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# 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



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Organization

# 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



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# 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



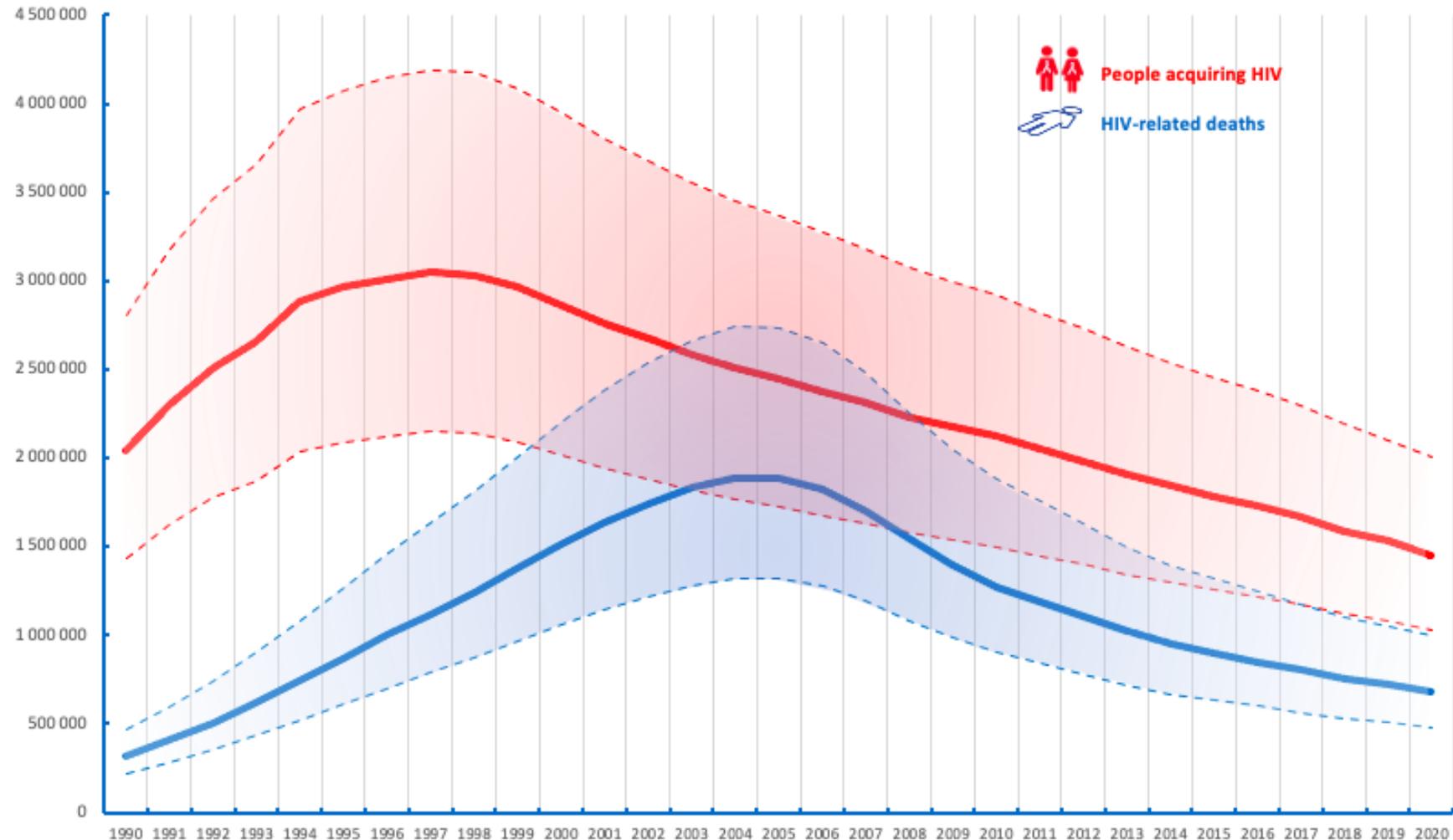
Source: UNAIDS/WHO estimates

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# Decline in number of people acquiring HIV and HIV-related deaths globally over time

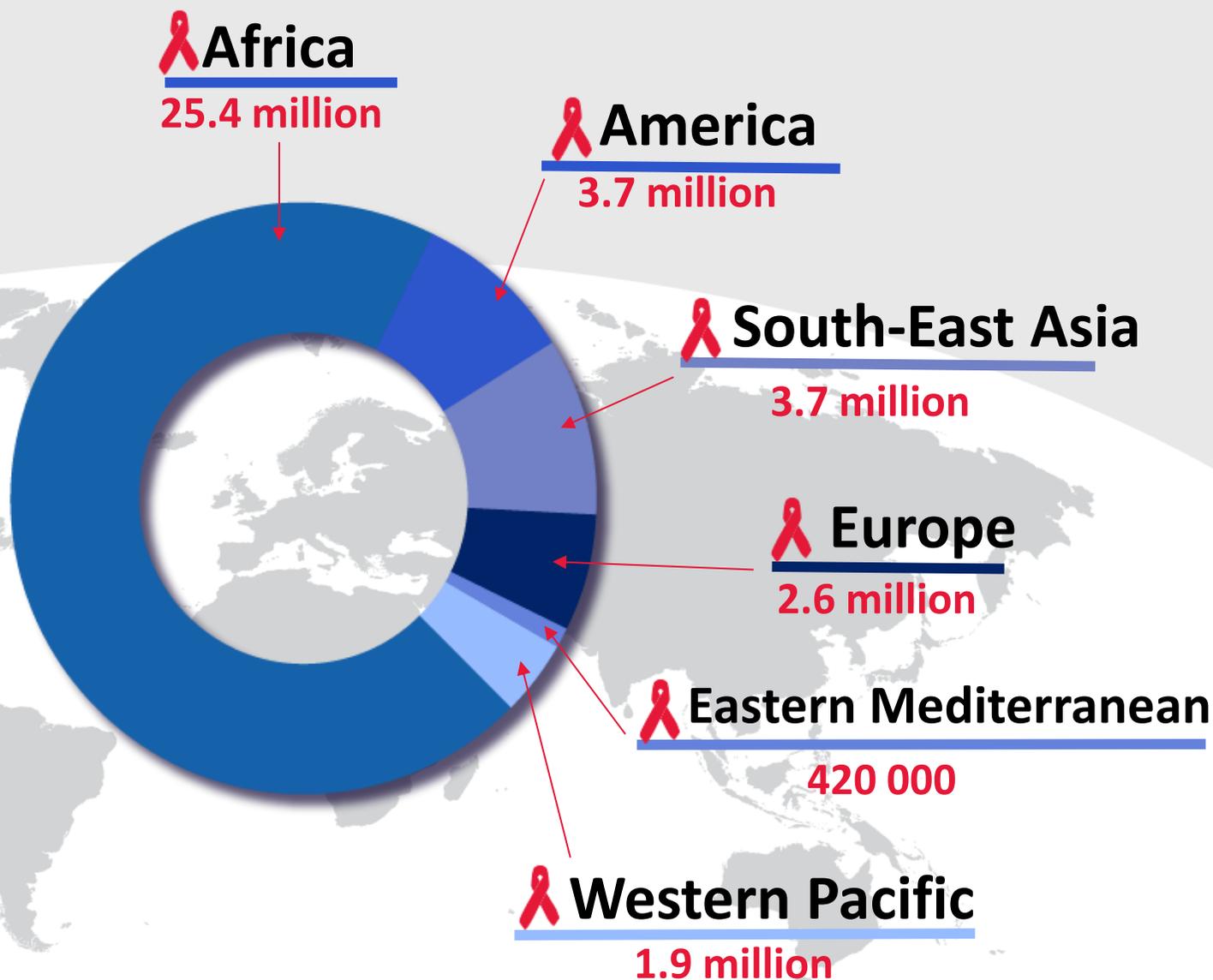


Source: UNAIDS/WHO estimates

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# People living with HIV by WHO region, 2020

**37.7 million**  
people living  
with HIV globally



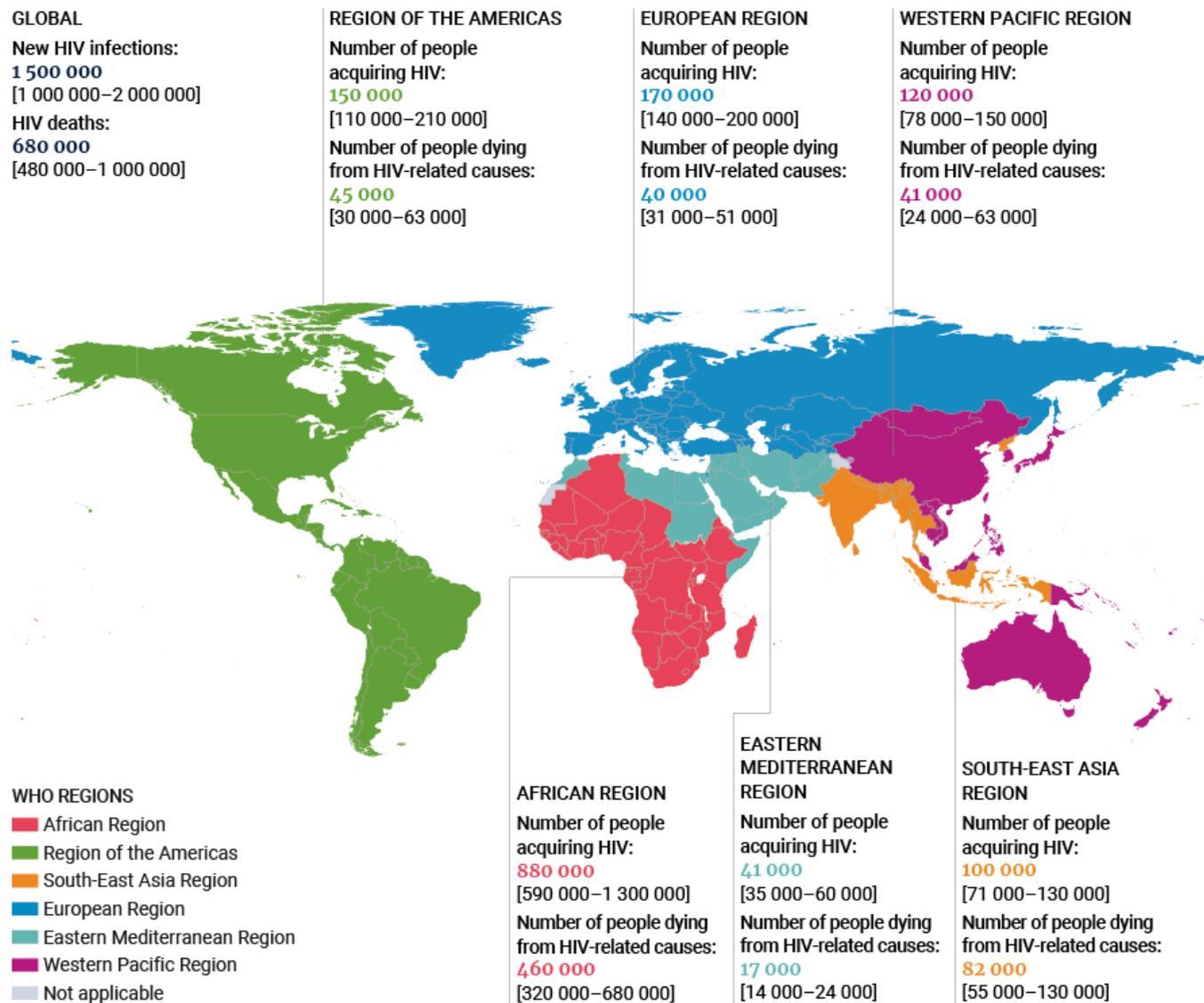
Source: UNAIDS/WHO estimates

Updated: July 2021



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Organization

# Summary of global and WHO regional HIV epidemic, 2020



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



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# 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



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# 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



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# 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



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Organization**

# 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

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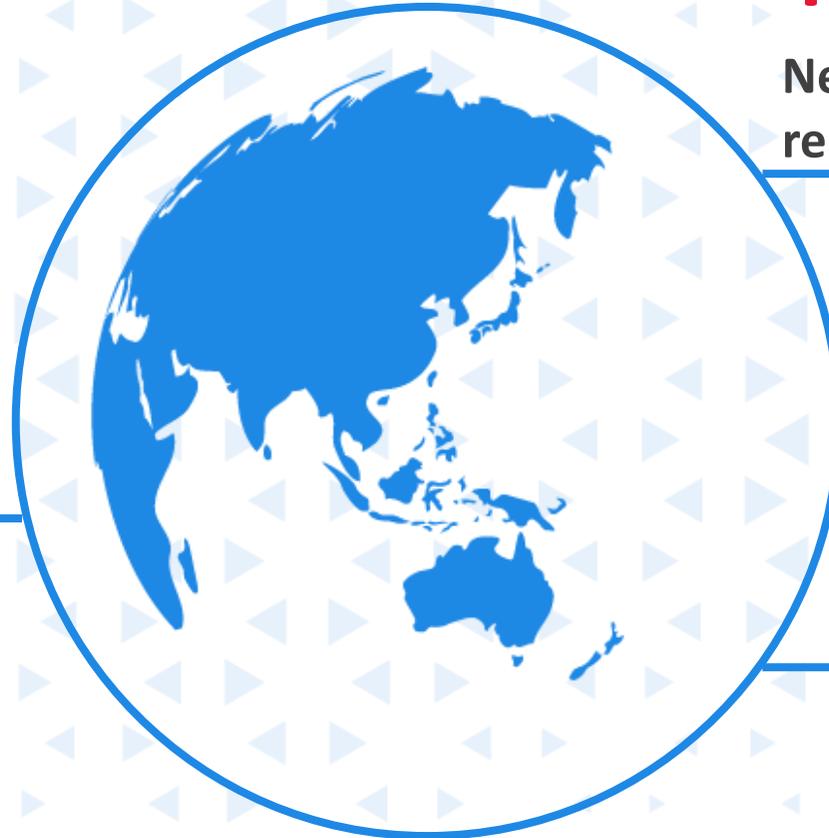
# Summary of regional HIV epidemic

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



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Organization

# New HIV infections by WHO region, 2019–2020

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

Source: UNAIDS/WHO estimates

Updated: July 2021

# HIV-related deaths by WHO region, 2019–2020

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

Source: UNAIDS/WHO estimates

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# Member of key population acquiring HIV, global, 2020

**11%**

Sex workers

**9%**

People who inject drugs

**35%**

Remaining population

**23%**

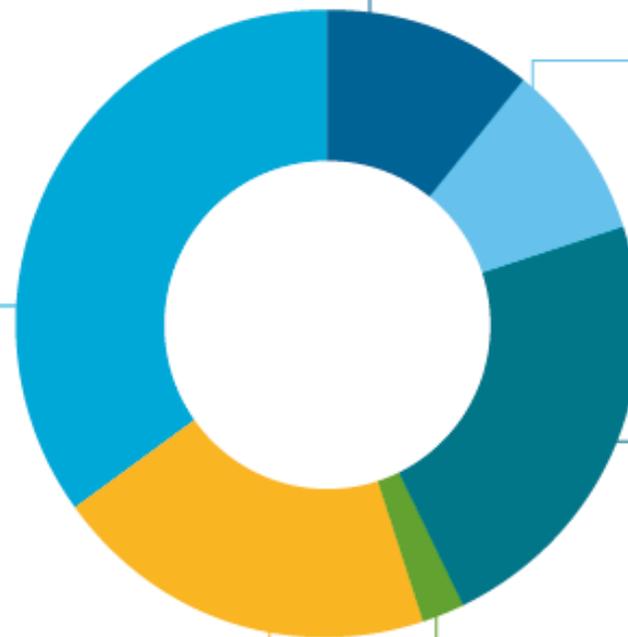
Gay men and other  
men who have sex  
with men

**20%**

Clients of sex workers  
and sex partners of  
other key populations

**2%**

Transgender women



Source: UNAIDS special analysis, 2021

Updated: July 2021



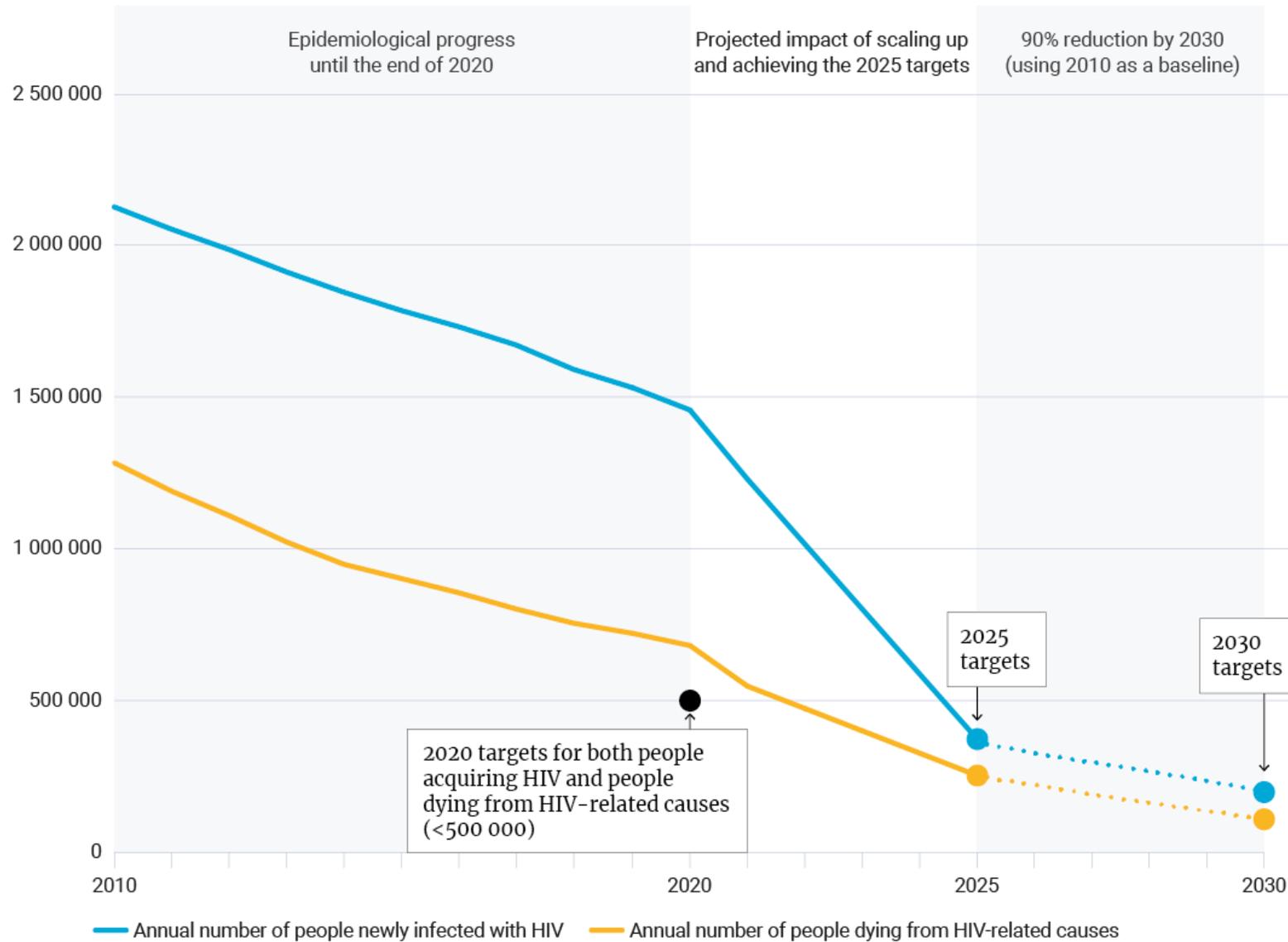
World Health  
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**1. Global and regional epidemic**

**2. Global and regional progress and cascade**

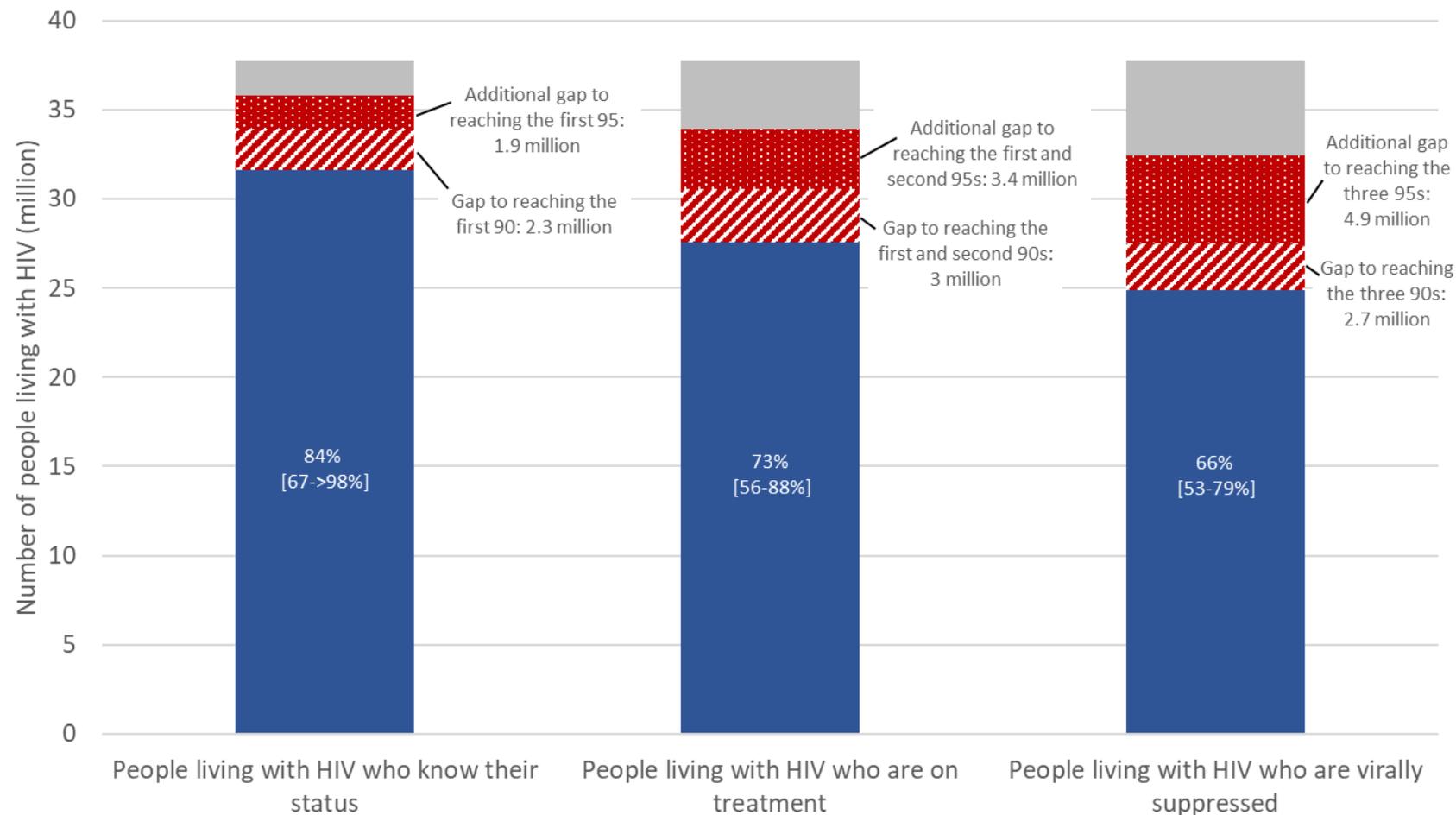
**3. WHO policy uptake and accountability**

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



Source: Avenir Health using 2025 targets and UNAIDS/WHO epidemiological estimates, 2021.

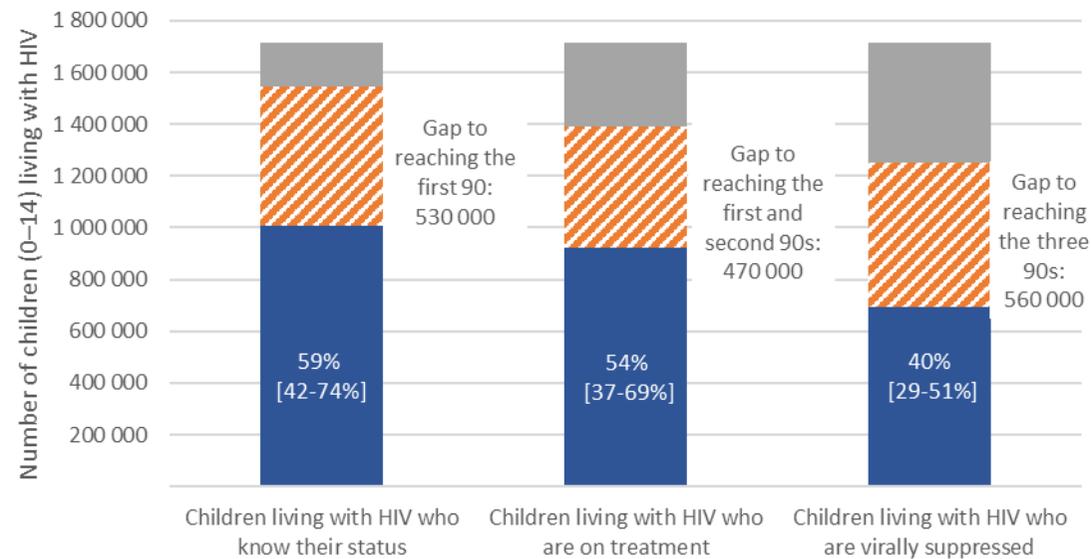
# Progress towards 95–95–95 targets of the HIV service cascade, global, 2020



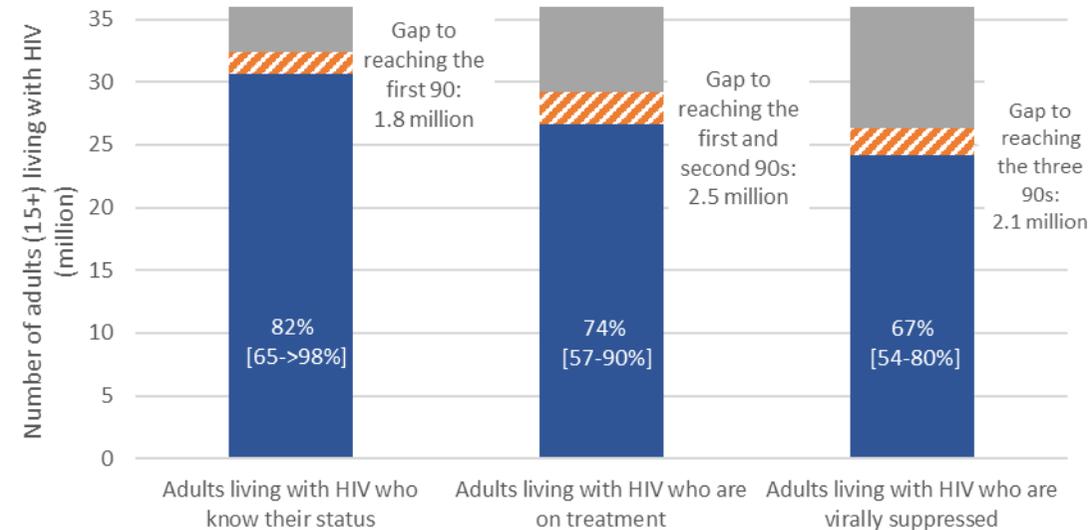
Source: UNAIDS/WHO estimates, 2021

# Progress towards 90–90–90 targets of the HIV service cascade, by age group, 2020

## Children (aged 0–14 years) living with HIV

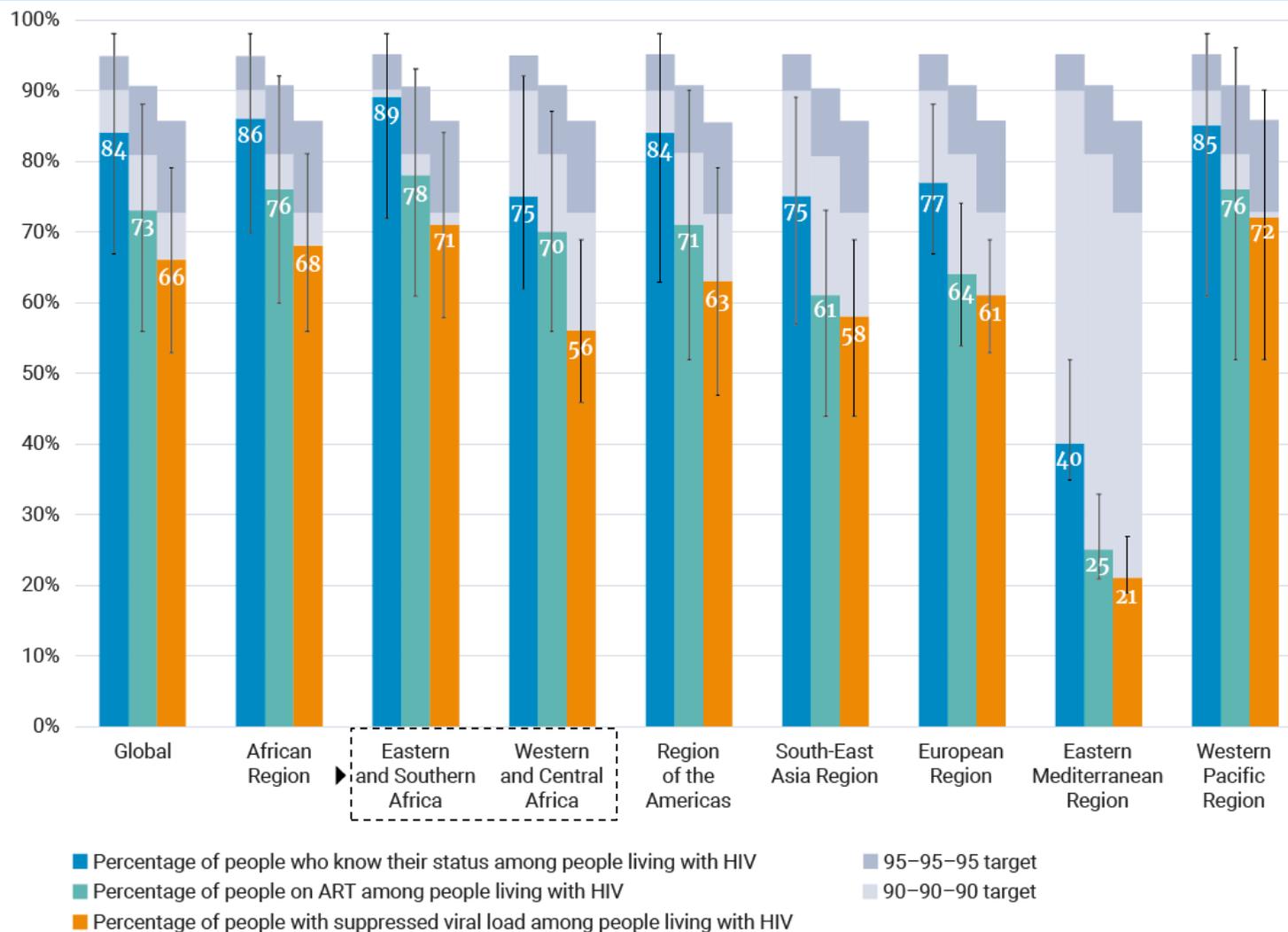


## Adults (aged 15 years and older) living with HIV



Source: UNAIDS/WHO estimates, 2021

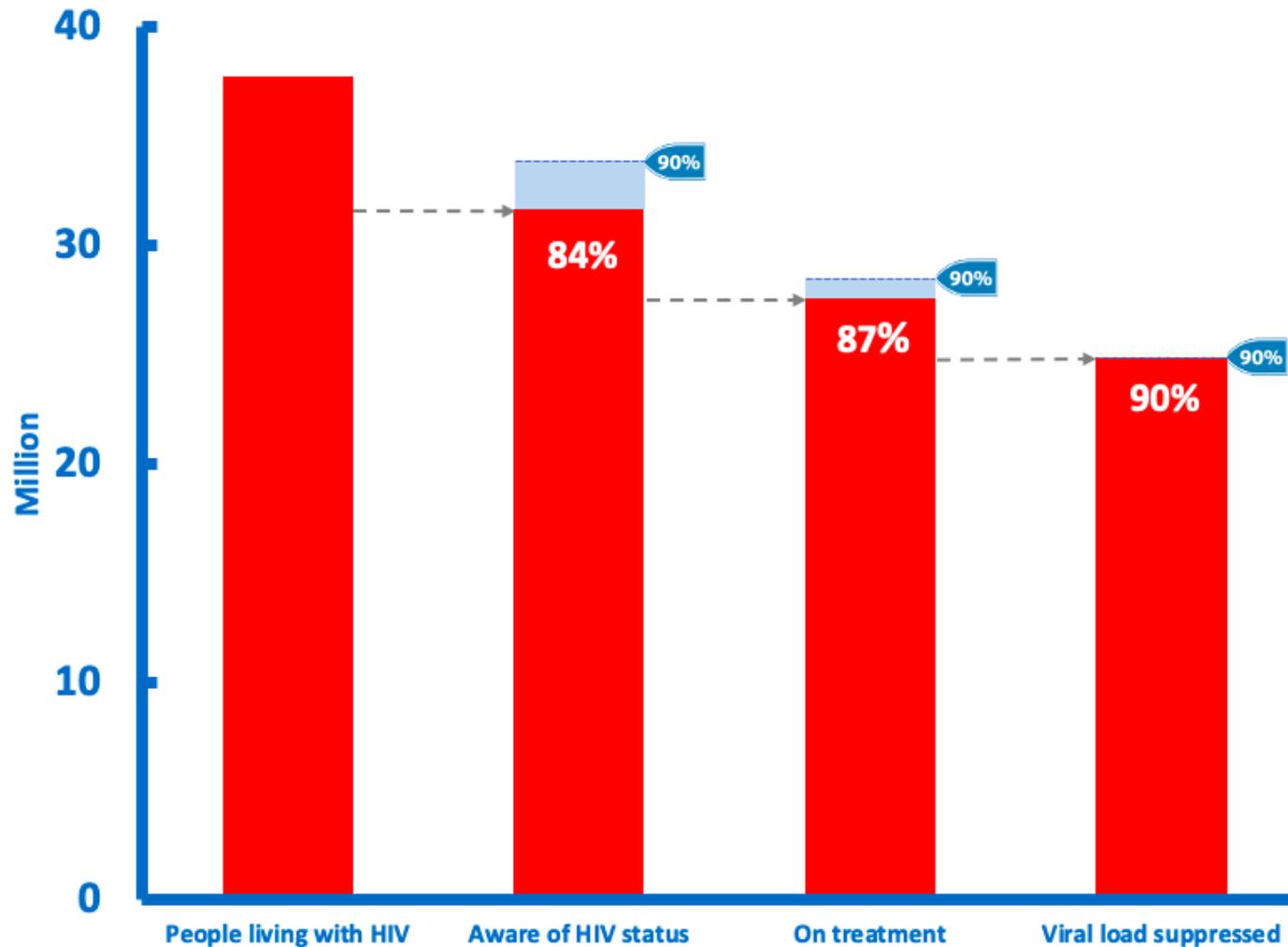
# Progress towards 90–90–90 and 95–95–95 targets of the HIV service cascade, by WHO region, 2020



Source: UNAIDS/WHO estimates

Updated: July 2021

# HIV service cascade, global, 2020



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

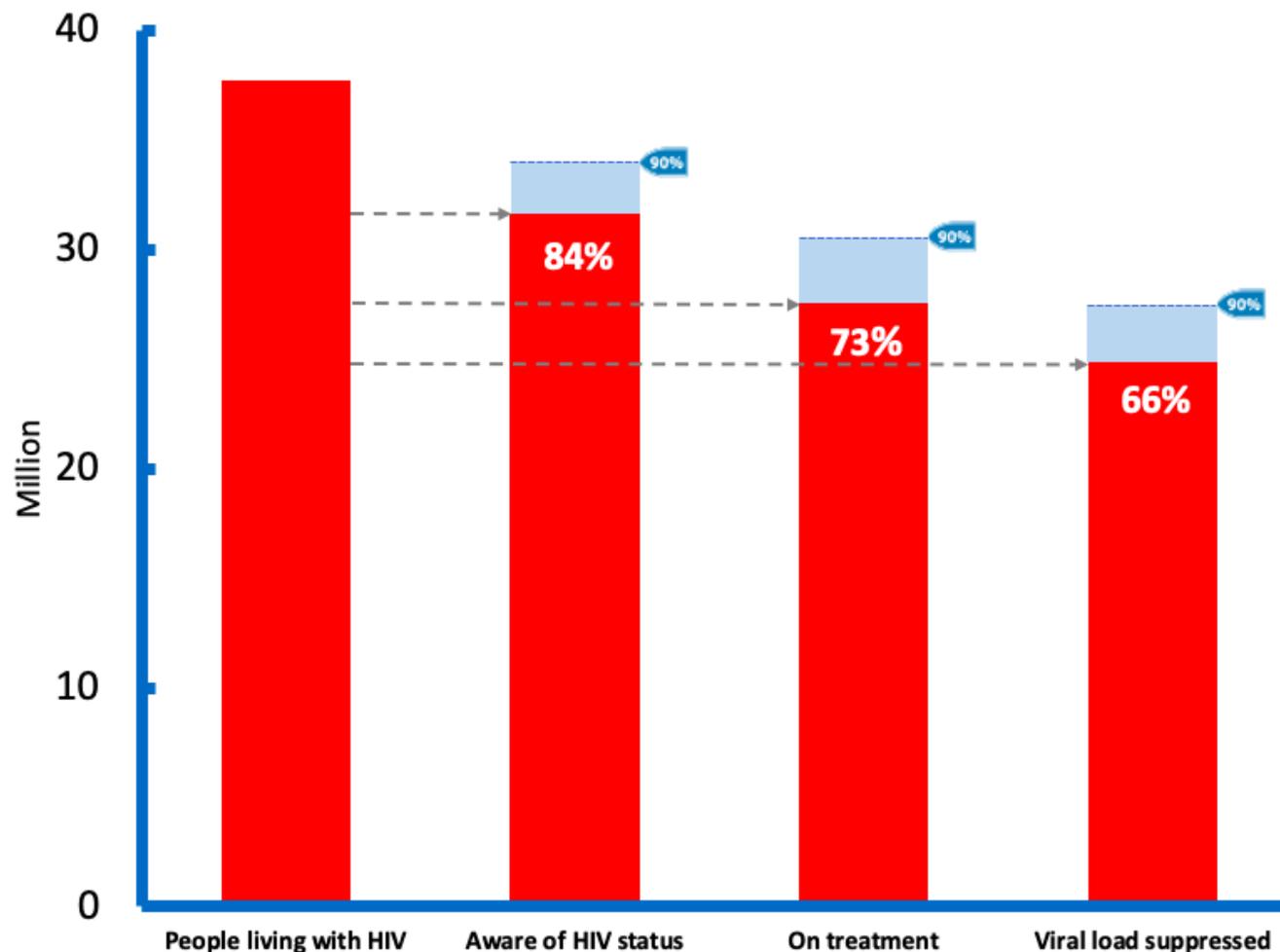
This results in 81% of all HIV positive people on treatment and 73% of all HIV positive people achieving viral suppression.

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.

Source: UNAIDS/WHO estimates

Updated: July 2021

# HIV service cascade, global, 2020



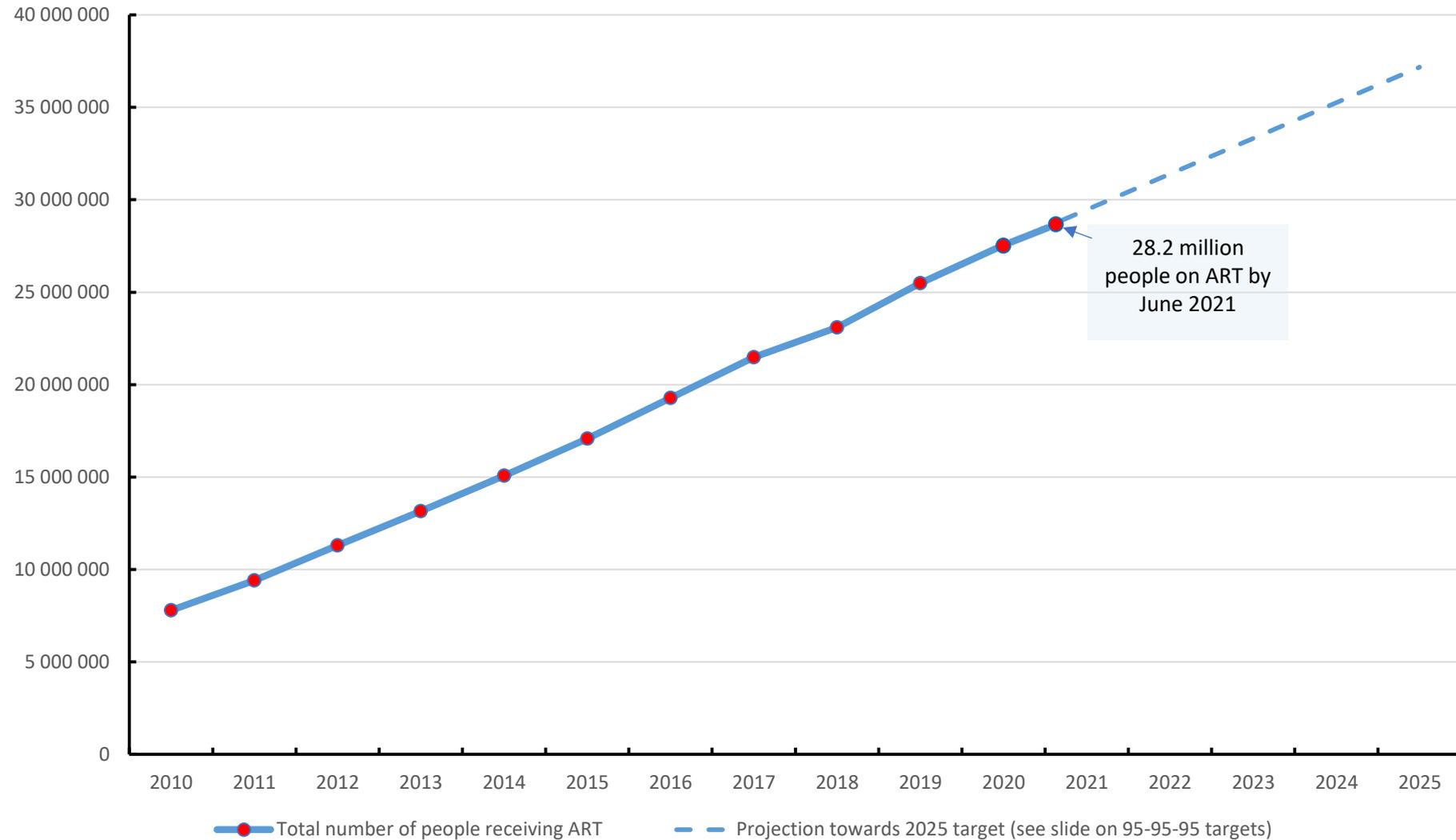
**90-90-90 targets by 2020:**  
-90 percent of people living with HIV know their status  
-90 percent of people living with HIV who know their status are receiving treatment  
-90 percent of people on treatment have suppressed viral loads

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.

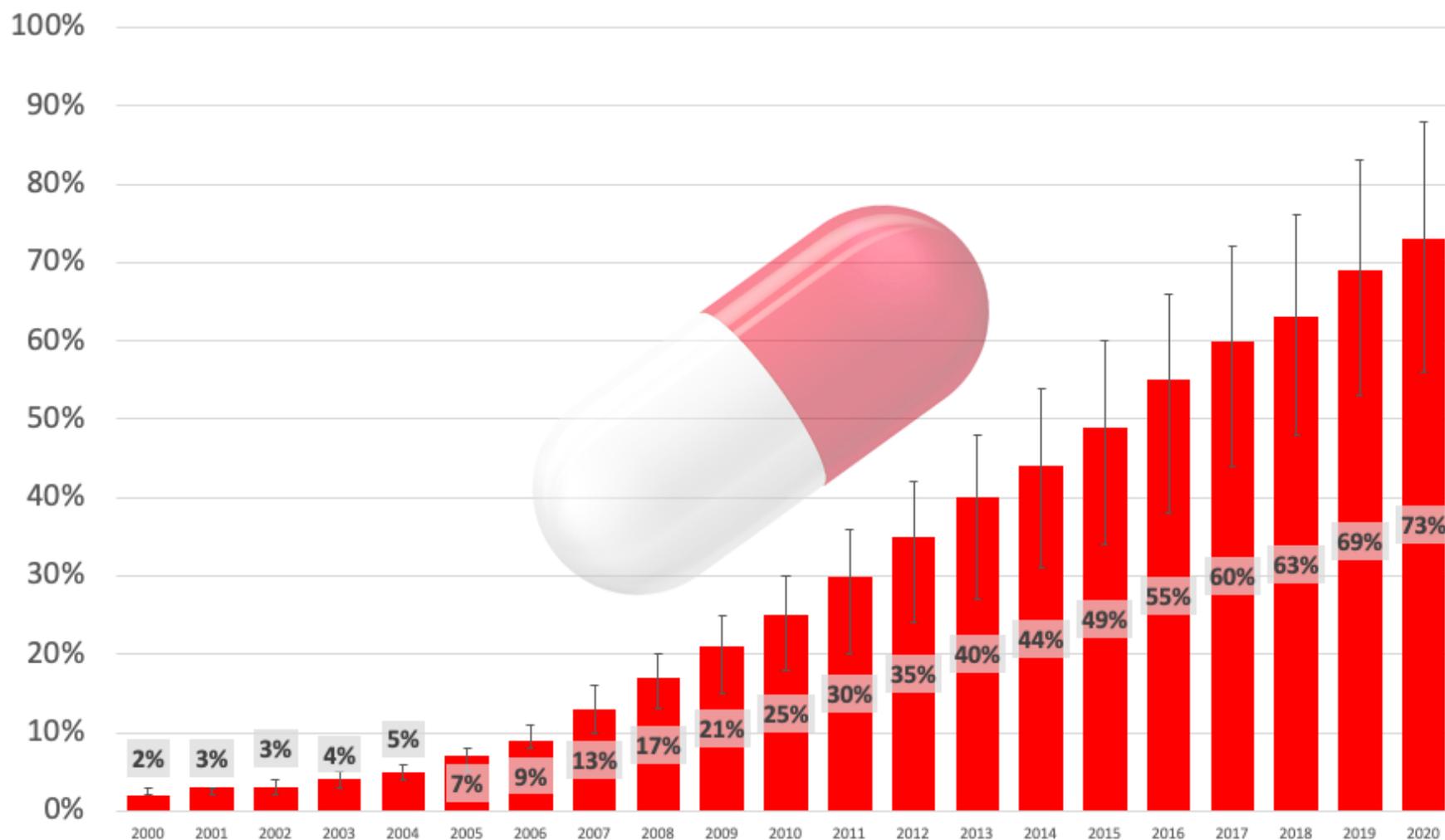
# Increase in people receiving antiretroviral therapy over time



Source: UNAIDS/WHO estimates

Updated: December 2021

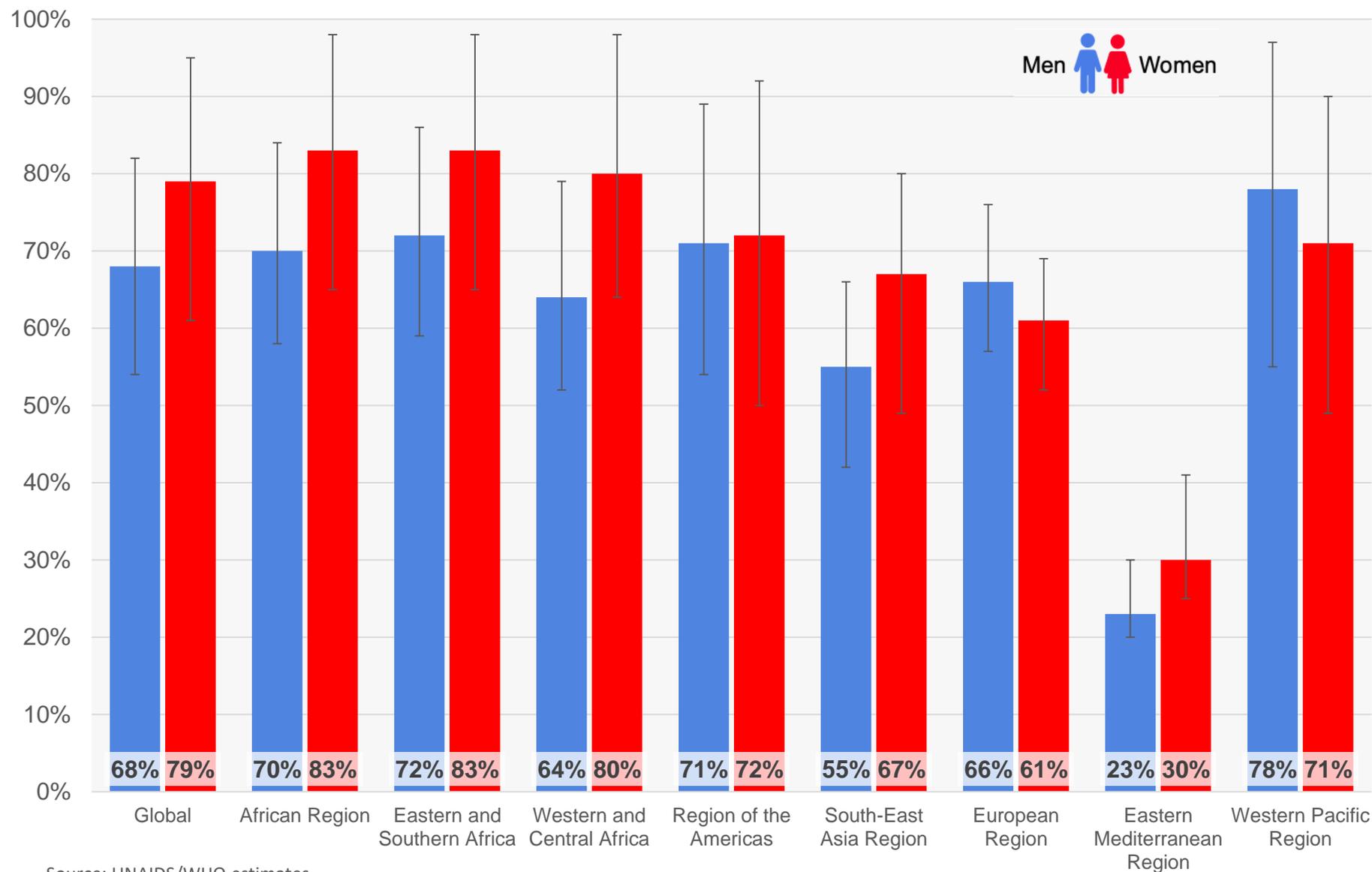
# Global antiretroviral therapy coverage over time, 2000–2020



Source: UNAIDS/WHO estimates

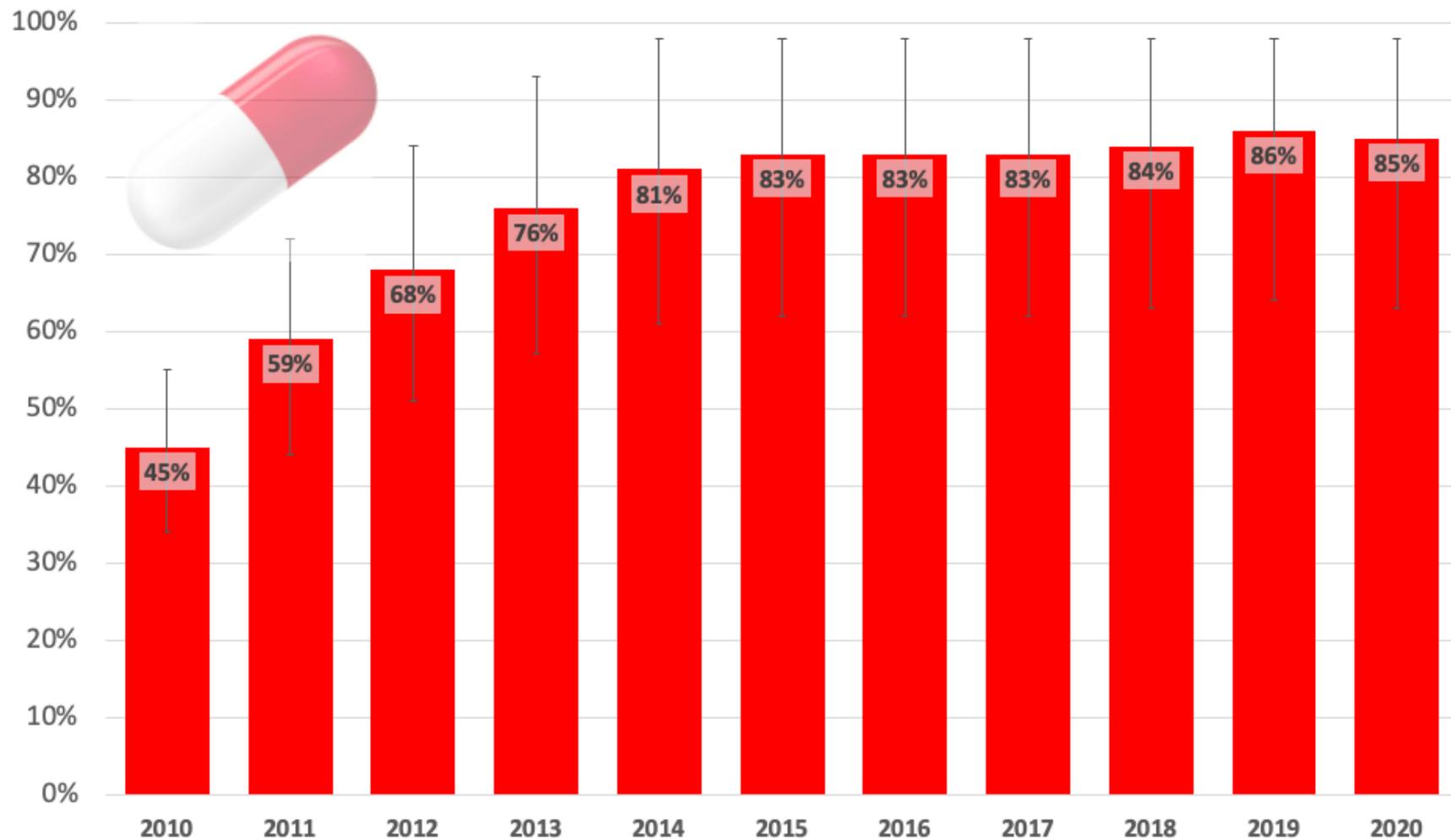
Updated: July 2021

# ART coverage by sex among adults, by WHO region, 2020



Updated: July 2021

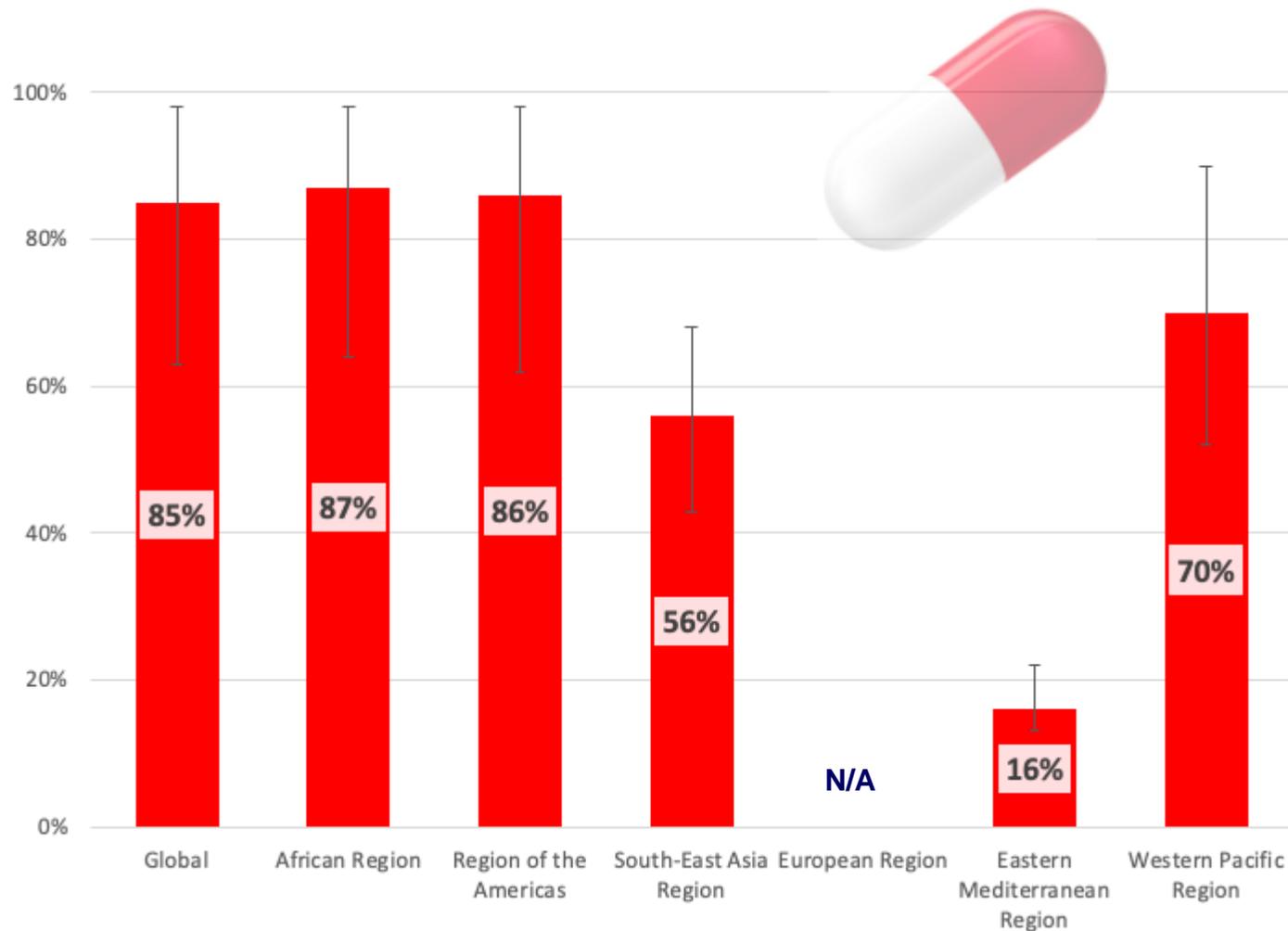
# Prevention of mother-to-child transmission coverage over time, global, 2010–2020



Source: UNAIDS/WHO estimates

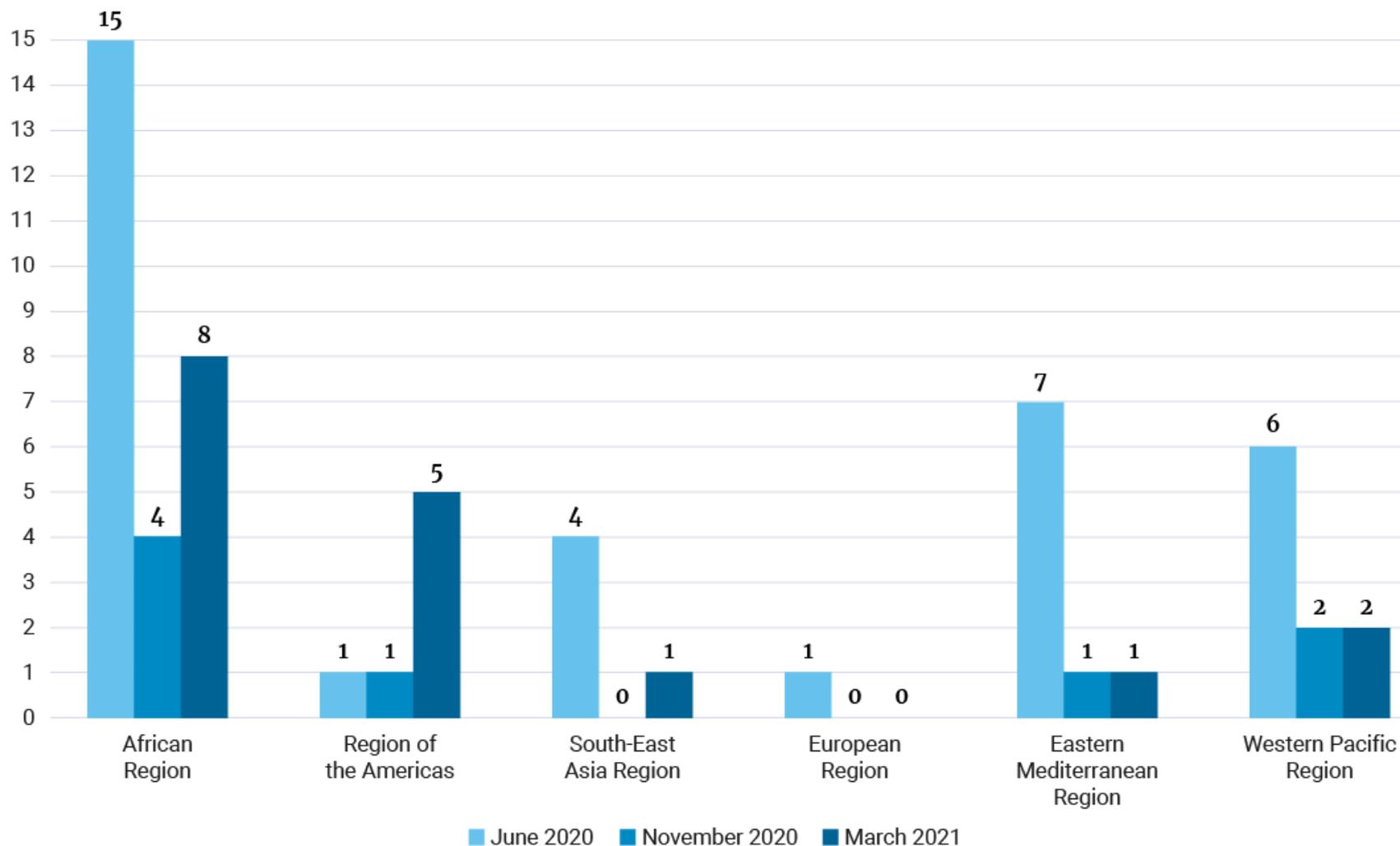
Updated: July 2021

# Prevention of mother-to-child transmission coverage, by WHO region, 2020



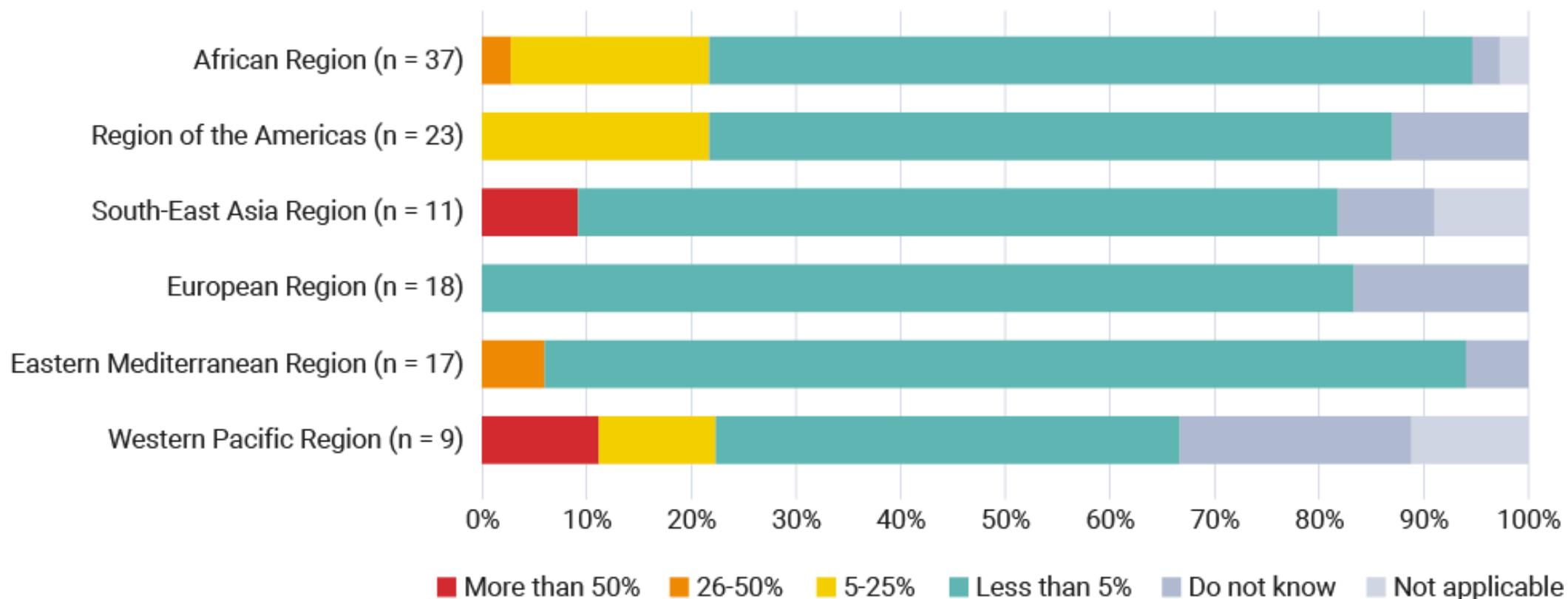
Source: UNAIDS/WHO estimates

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



Source: WHO HIV, hepatitis and sexually transmitted infections survey, 2021.

# Disruption in antiretroviral therapy services caused by COVID-19 by WHO region, March 2021



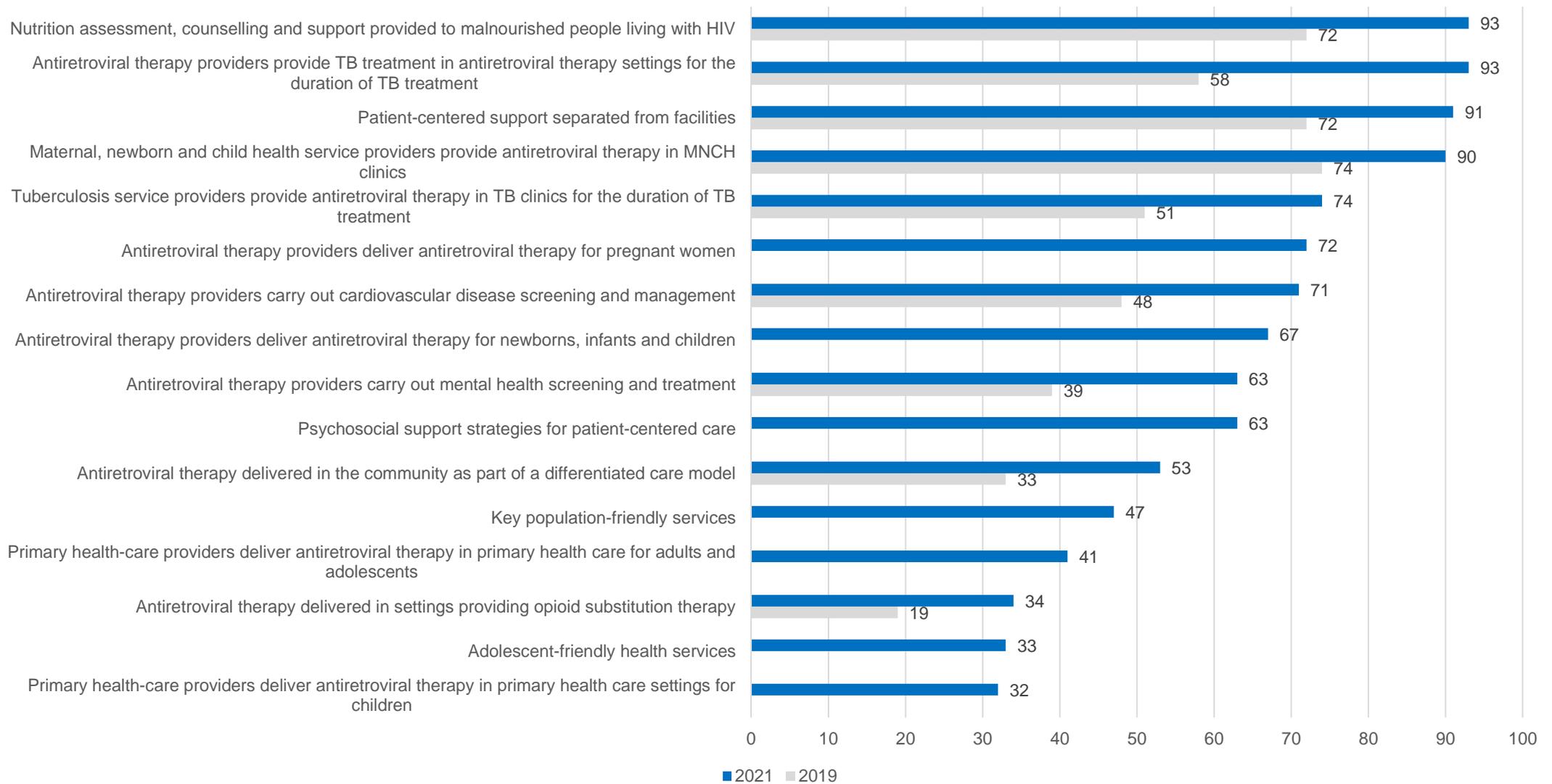
Source: WHO HIV, hepatitis and sexually transmitted infections survey, 2021 and *Second round of the national pulse survey on continuity of essential health services during the COVID-19 pandemic: January–March 2021* (consolidated data).

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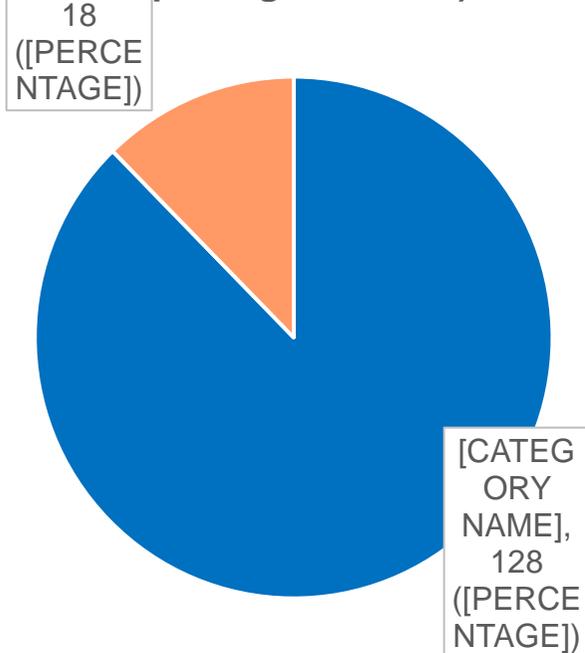
# Service provision modalities included in the national policy on ART for adults, adolescents and children (n=122), 2019 and 2021



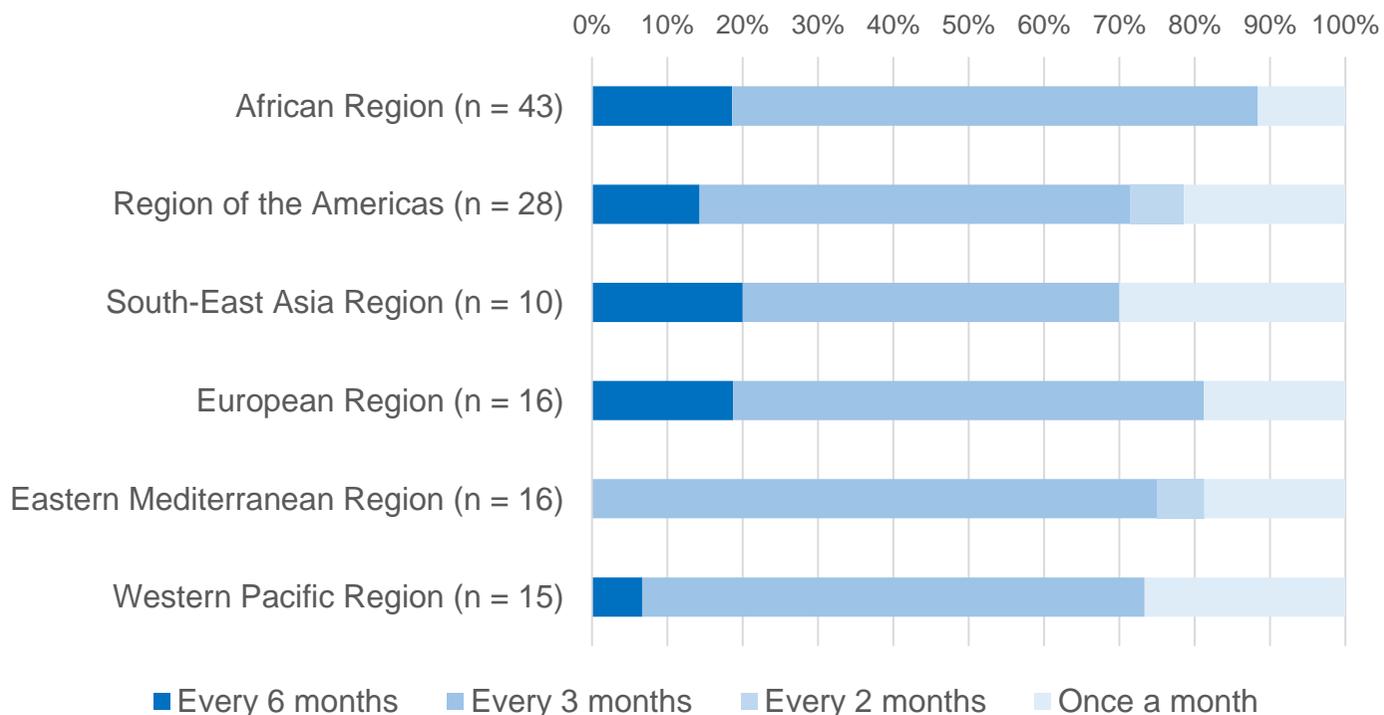
Source: Global AIDS Monitoring (UNAIDS/WHO/UNICEF) and Global HIV, Hepatitis and STIs Programmes (HHS), WHO, 2021

# National policies on frequency of ART pick-up for people who are stable on ART, 2021

National policies on frequency of ART pick-up for people who are stable on ART, 2021 (n = 146 reporting countries)



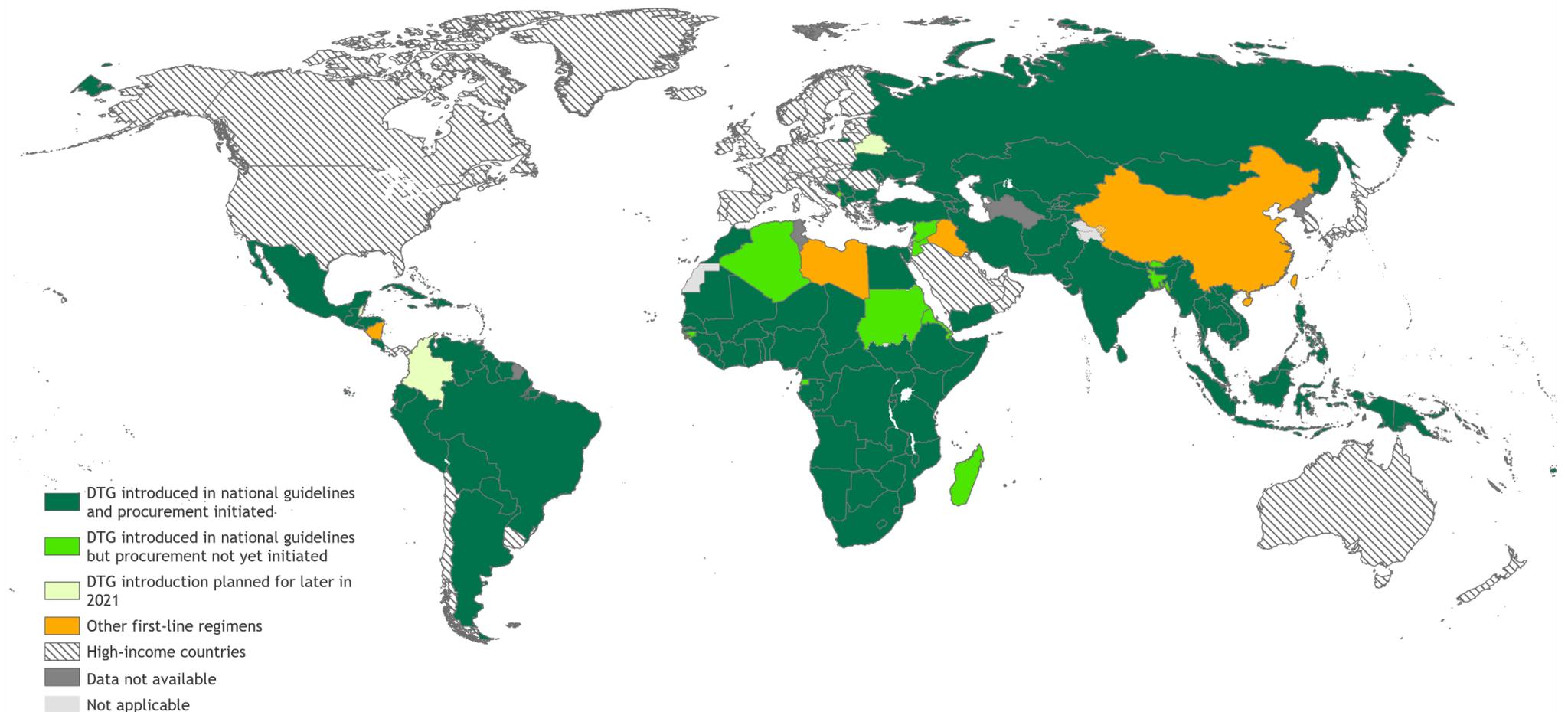
Frequency of ART pick-up for people who are stable on ART, by WHO region, 2021 (n = 128 reporting countries)



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



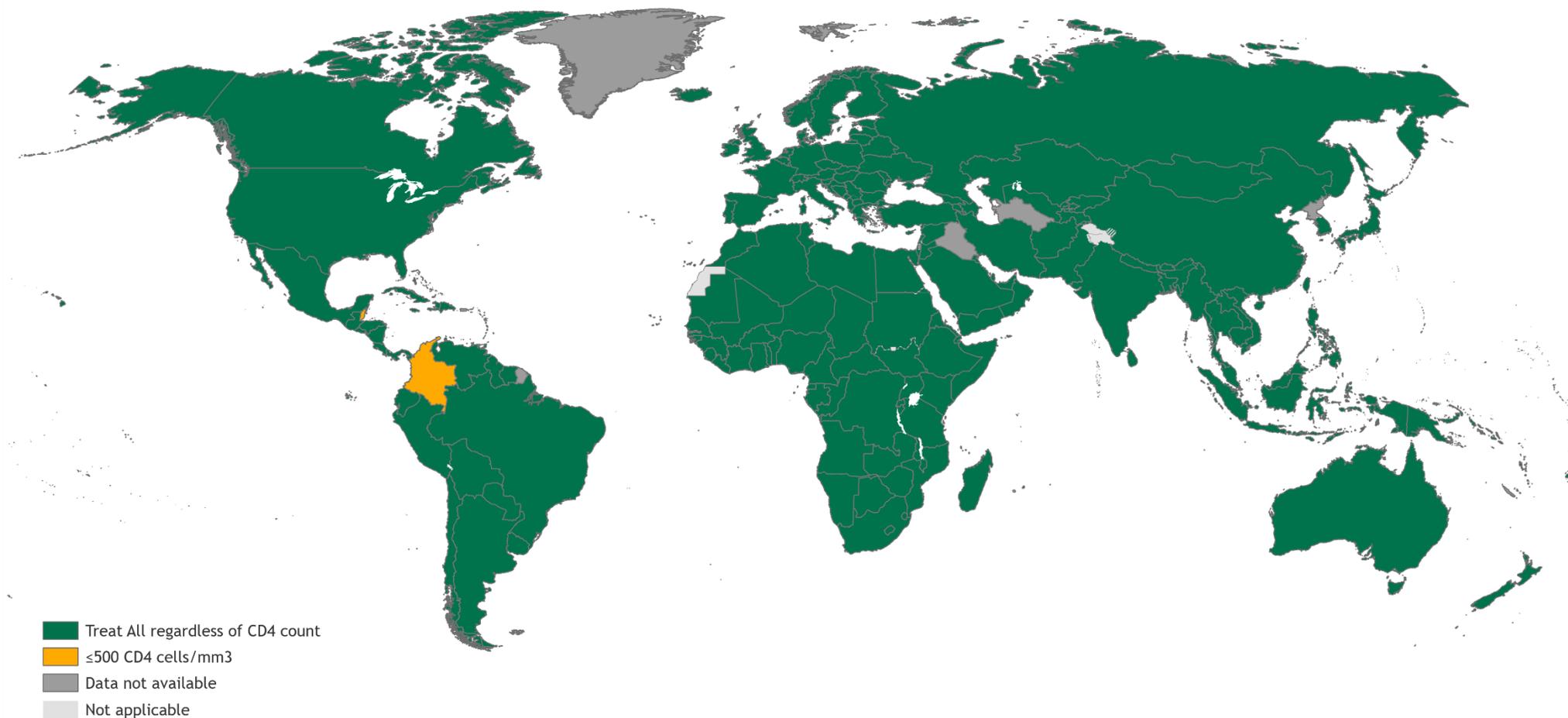
# Preferred first-line regimens among adults and adolescents in low- and middle-income countries, June 2021



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.

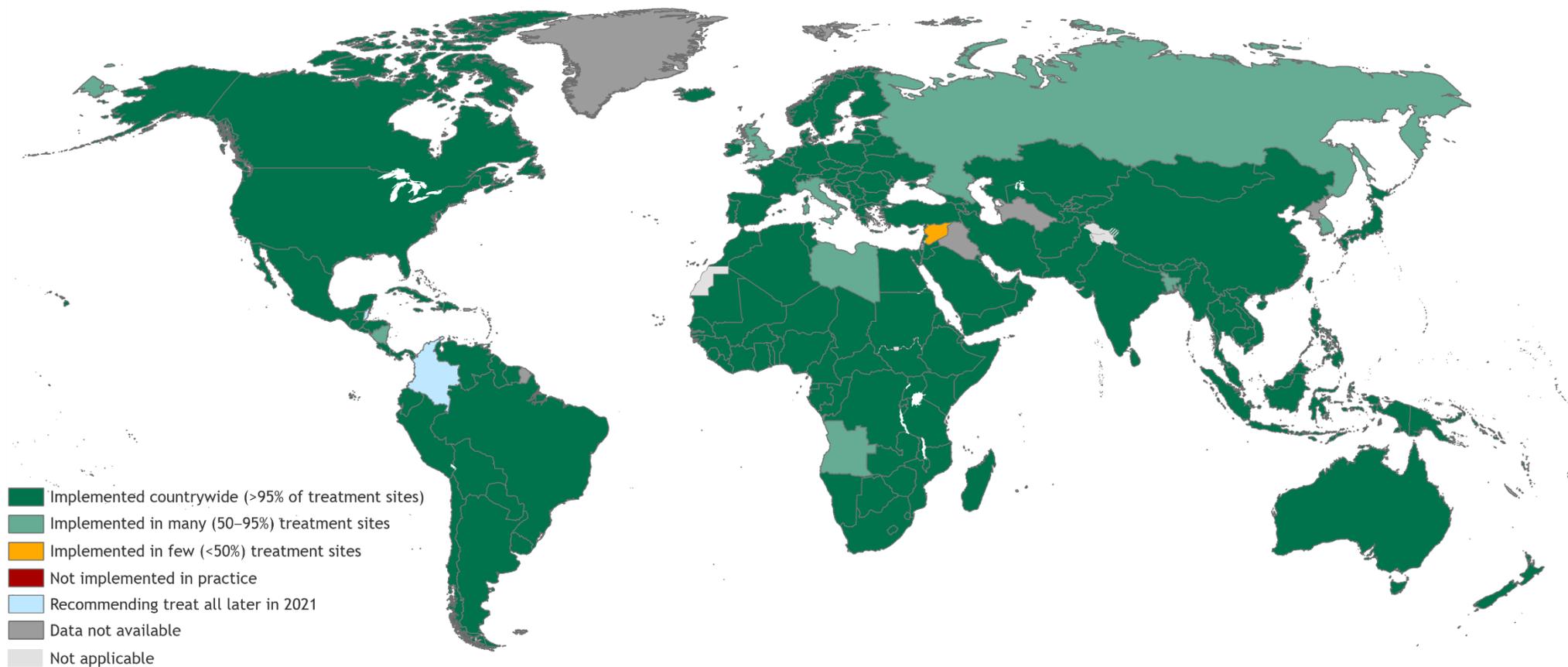
# Uptake of WHO policy for Treat All initiation among adults and adolescents living with HIV, June 2021



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

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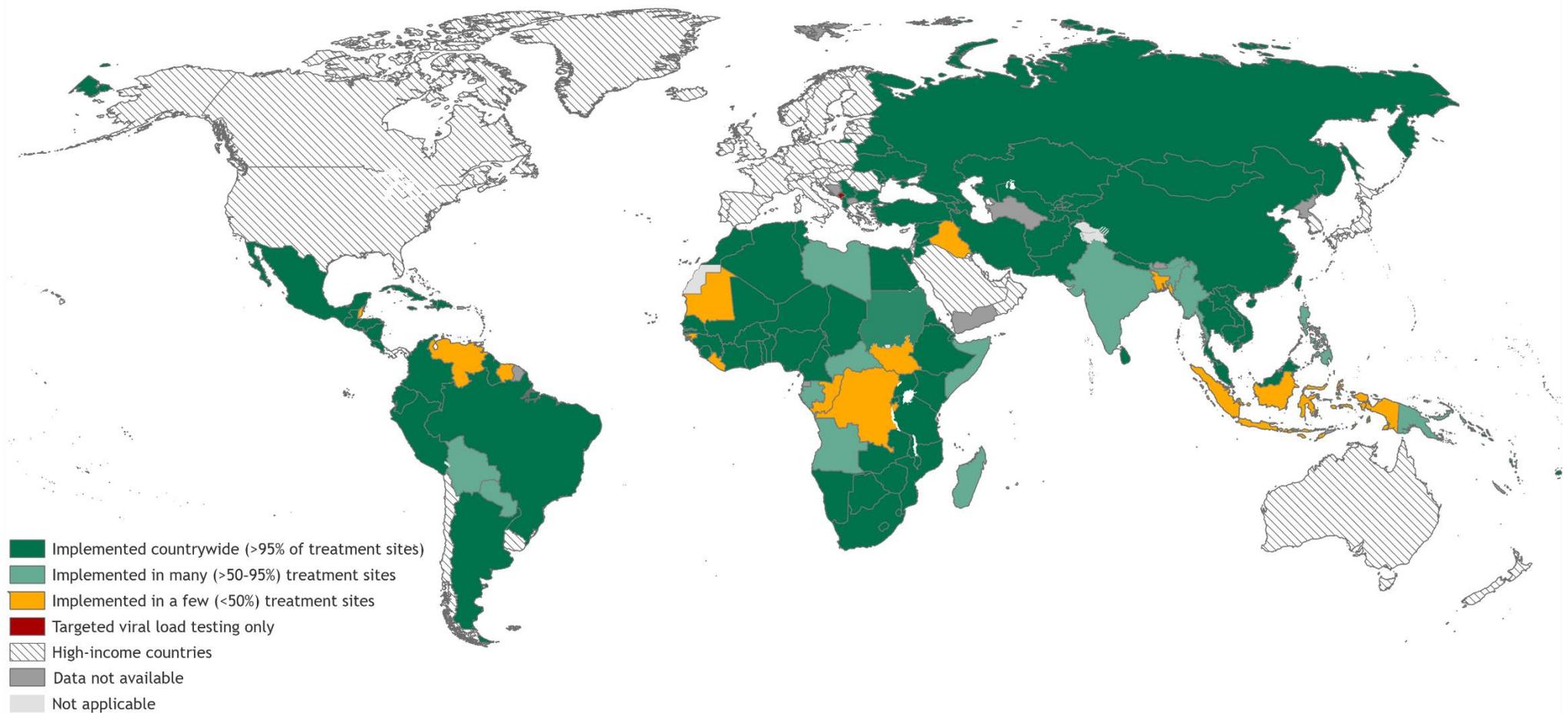
# Implementation of Treat All recommendation among adults and adolescents living with HIV, June 2021



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

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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 2021



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

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