



# **Global Quality Report 2021**

## **Prevention and Care & Treatment Highlights**

**Global Quality Team  
January 2022**

Prepared by: Global Medical, Quality and HMIS Teams



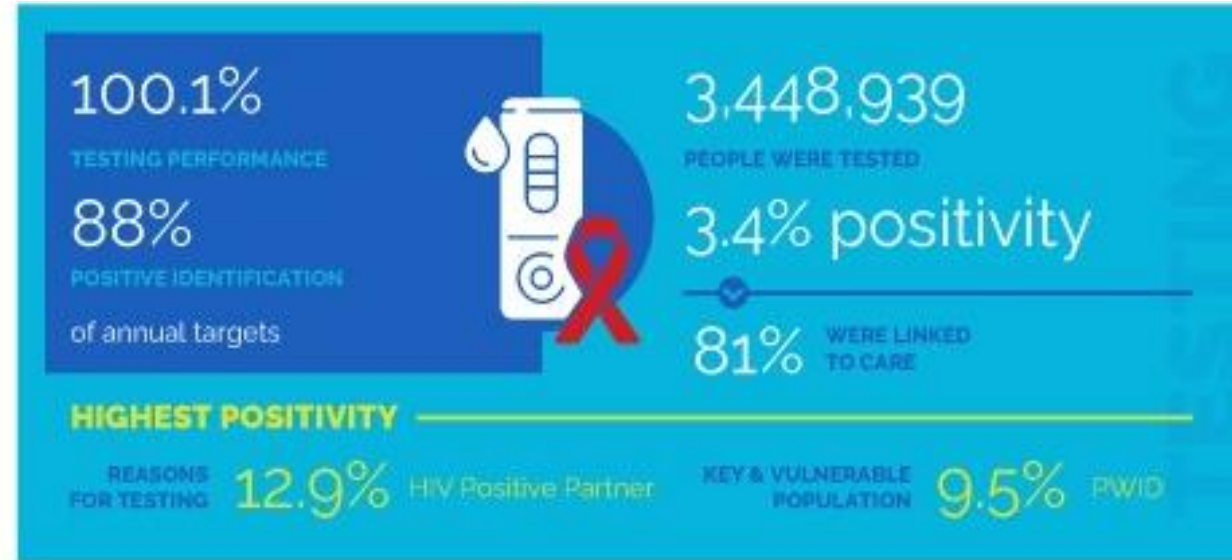
AHF

# Overview of Presentation

- 2021 in a Nutshell
- Condoms, Targets & Achievements
- HIV Testing, Positives, Targets & Achievements
- Linkage to Care & Treatment
- VMMC
- HIV Care and Treatment

# 2021 Global Snapshot

## Prevention, HIV Testing , Linkage, Care and Treatment



# Prevention - Global Program -2021

## Condoms distribution by Type



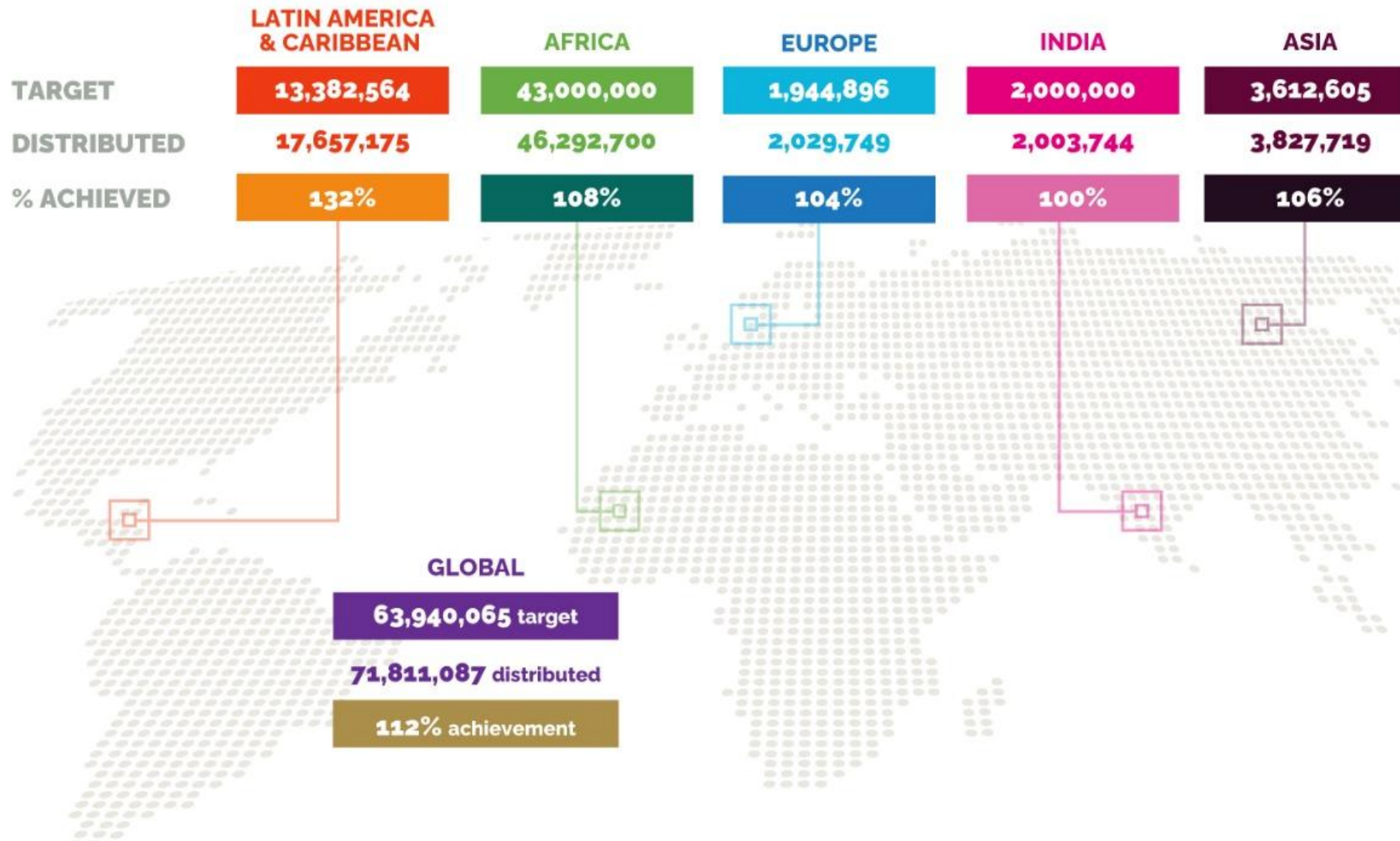
**71,811,087**  
Condoms were  
distributed  
globally

“Other condoms”  
include: condoms  
from government  
and partners



# Prevention - Global Program - 2021

## Condoms distribution – Performance against Targets, by Bureau

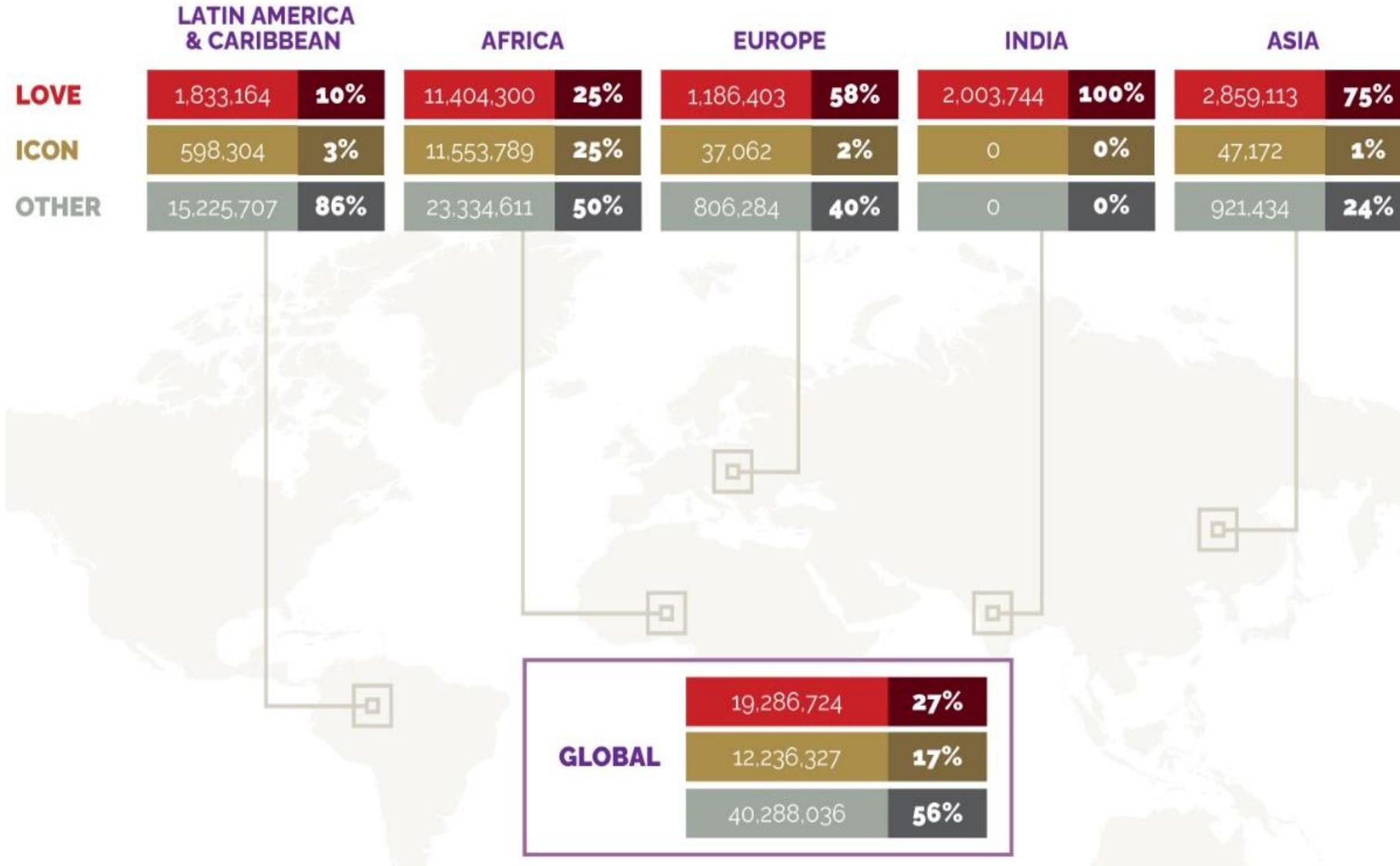


71,811,087  
Condoms were  
distributed  
globally

All bureaus  
surpassed their  
2021 condom  
distribution  
targets.

# Prevention - Global Program - 2021

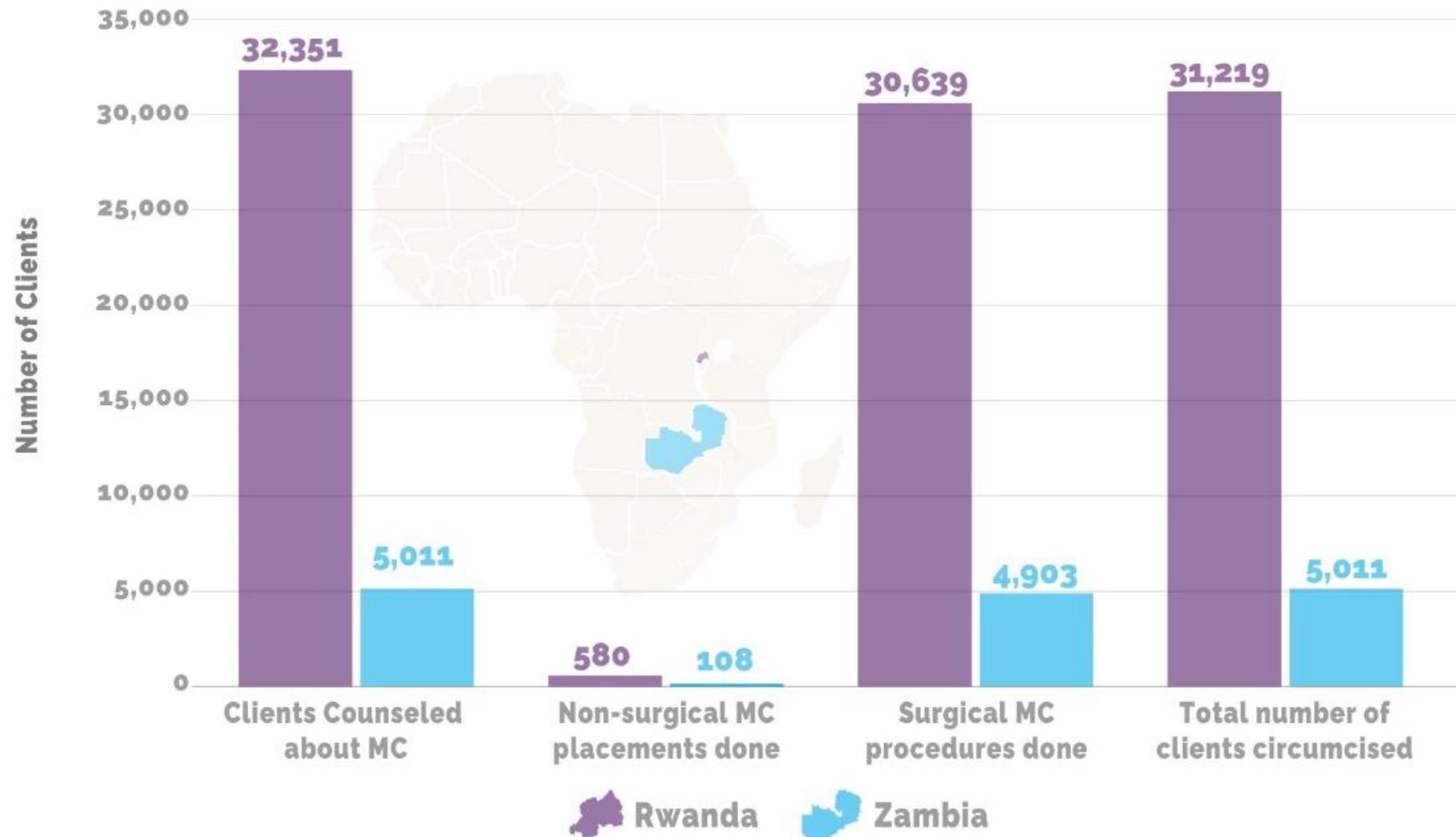
## Condoms distribution by Bureau and Type of Condom



Latin America & Caribbean and Africa Bureau distributed more of “other condoms” than Love and Icon

# VMMC Africa Bureau - 2021

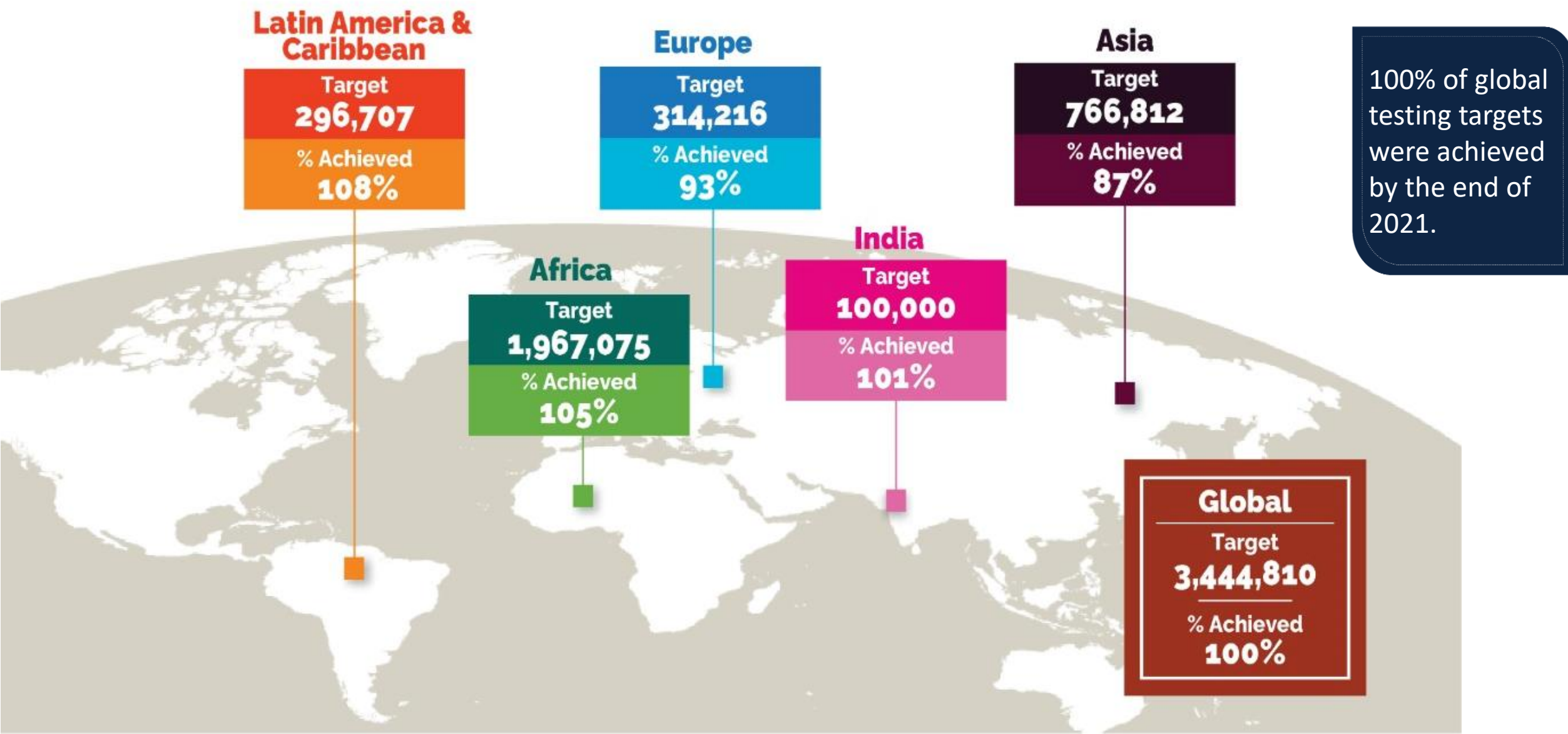
## Rwanda and Zambia VMMC Services



Majority of procedures for VMMC clients were surgical at 89% compared to non-surgical methods within the reporting period in Zambia and Rwanda.

# Global HIV Testing

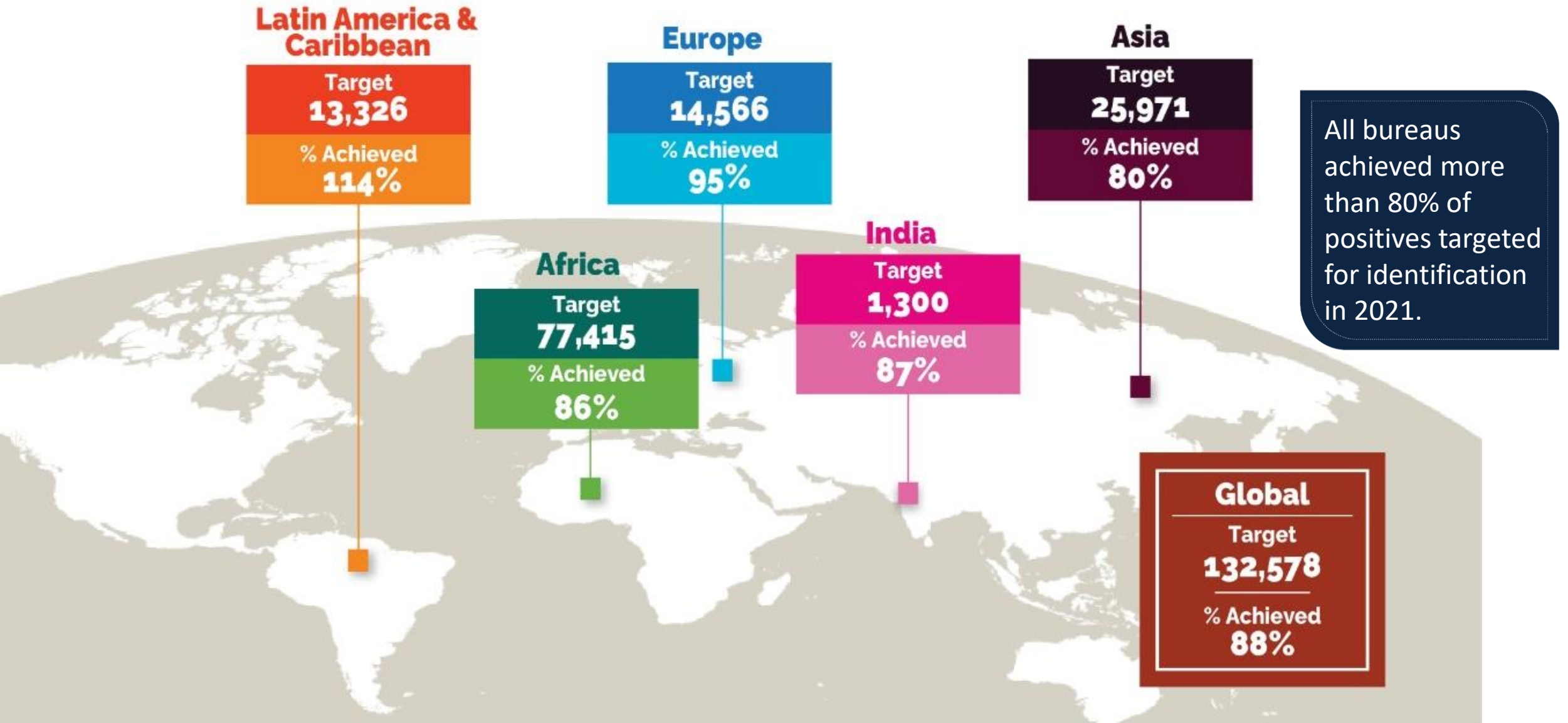
Performance by Bureau, 2021





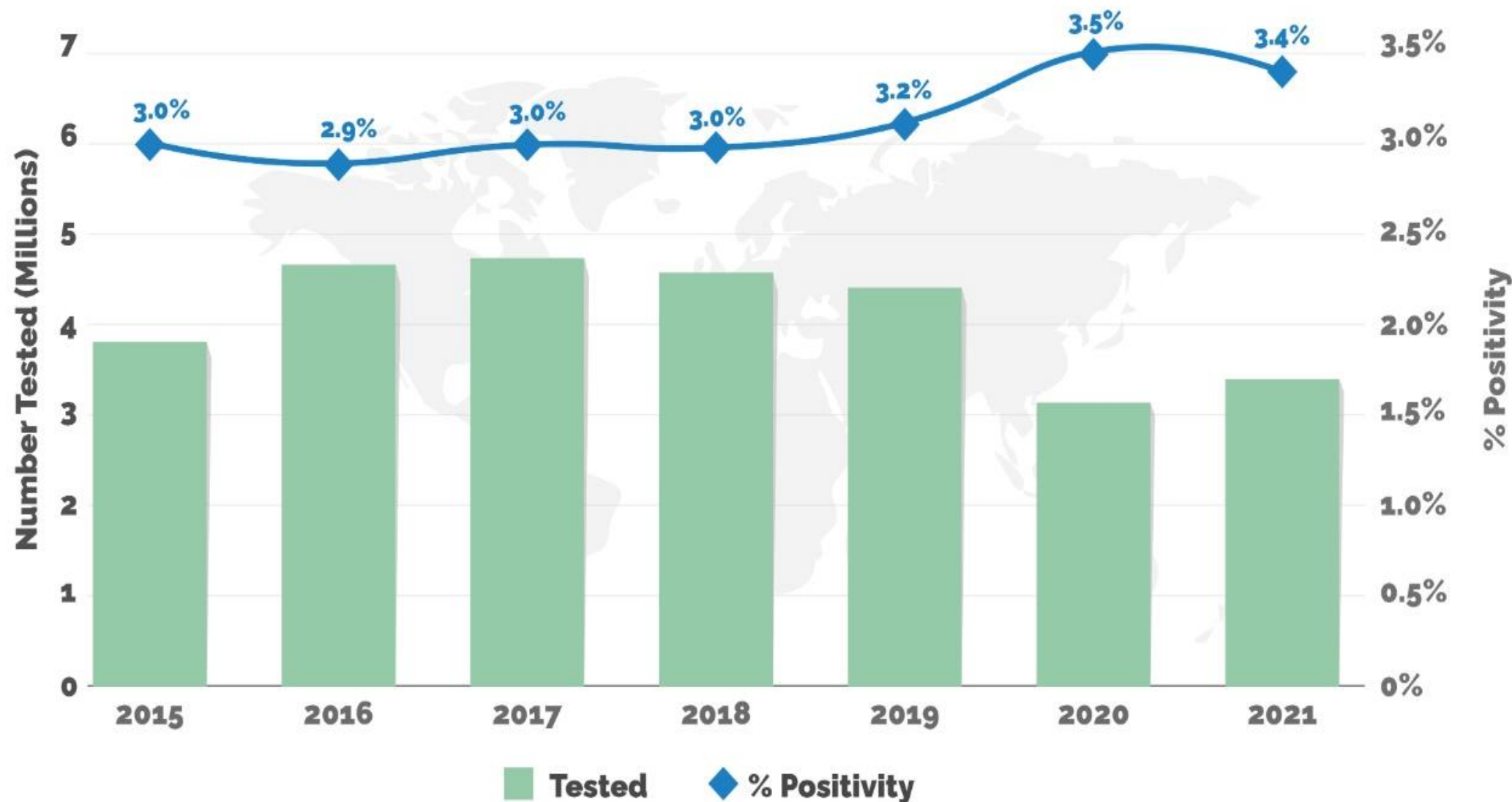
# HIV Test Positivity - Global Program by Bureau - 2021

## HIV-Positive Identification against Targets



# Seven-Year HIV Testing Trend - Global Program

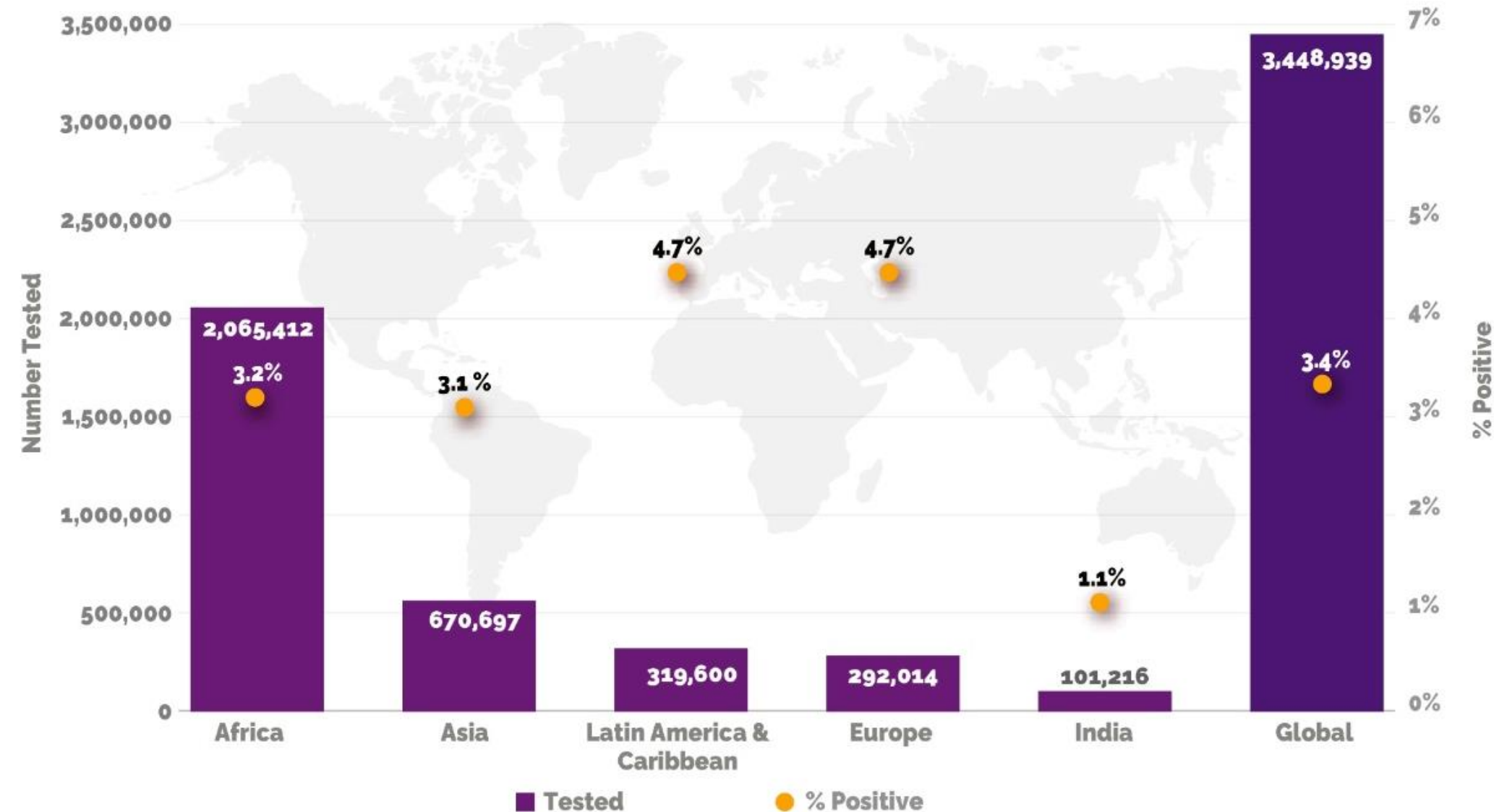
Number of persons tested and positivity rate 2015 - 2021



Positivity rate increased in 2019 and 2020 despite the marked decrease in number of persons tested.

# Global Program - HIV Testing 2021

## HIV Testing and Positivity Rate by Regional Bureau



Latin America & Caribbean and Europe Bureaus had the highest positivity rate at 4.7%.

# Africa, Asia & India Bureaus - HIV Testing -2021

## HIV Testing and Positivity Rate by Country

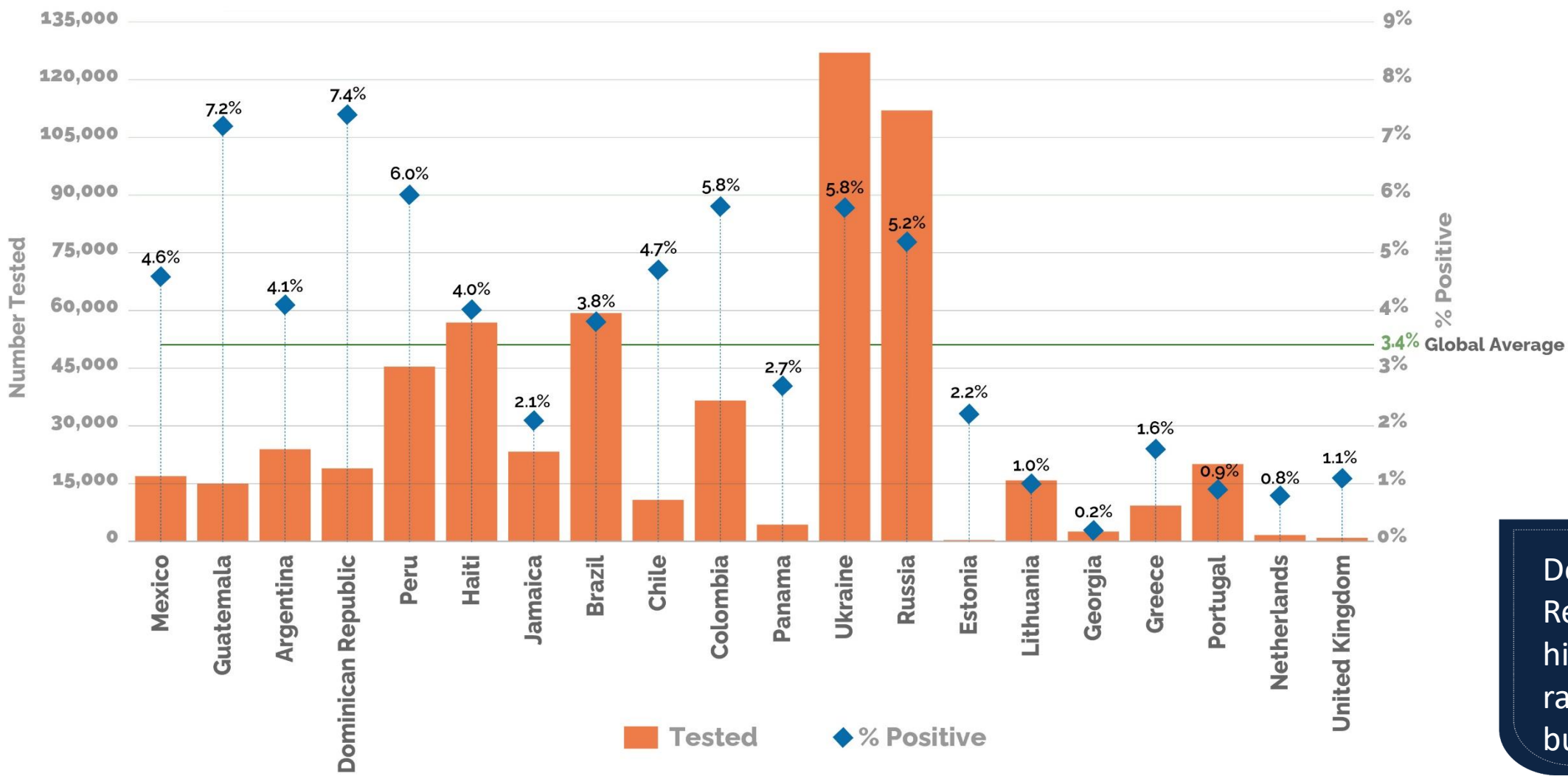


Zimbabwe, Cambodia, Myanmar and Indonesia had the highest positivity rate at > 6.6%. The global average was 3.4%



# Europe and Latin America & Caribbean Bureaus - HIV Testing 2021

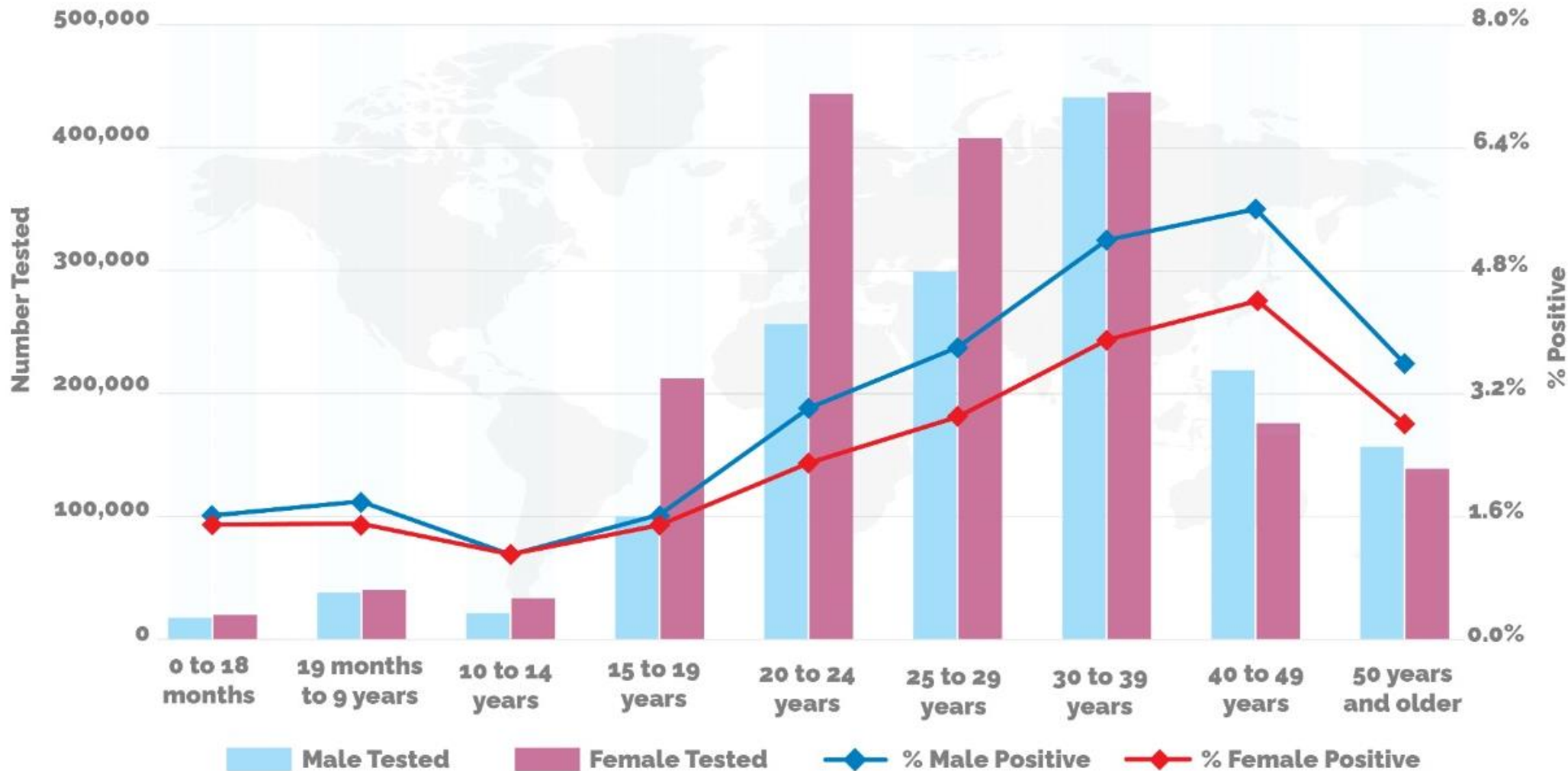
## HIV Testing and Positivity Rate by Country



Dominican Republic had the highest positivity rate in LAC bureau at 7.4%

# Global Program - HIV Testing 2021

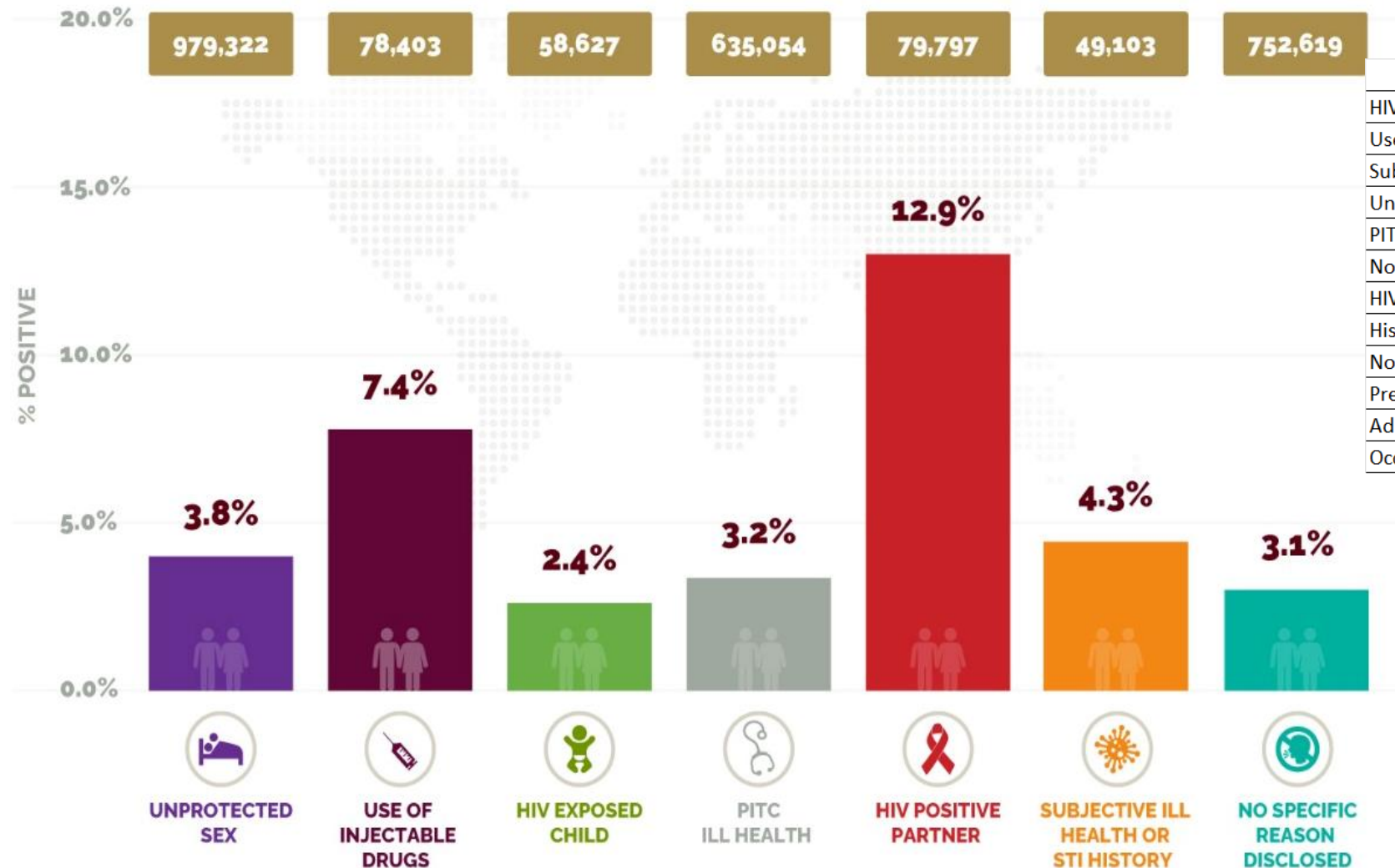
Total persons tested and positivity rate, by gender and age category, 2021



The highest positivity rates globally for both groups are within the 40-49 years age category.

# Global Program HIV Testing -2021

## Positivity rate by main reason for HIV-test

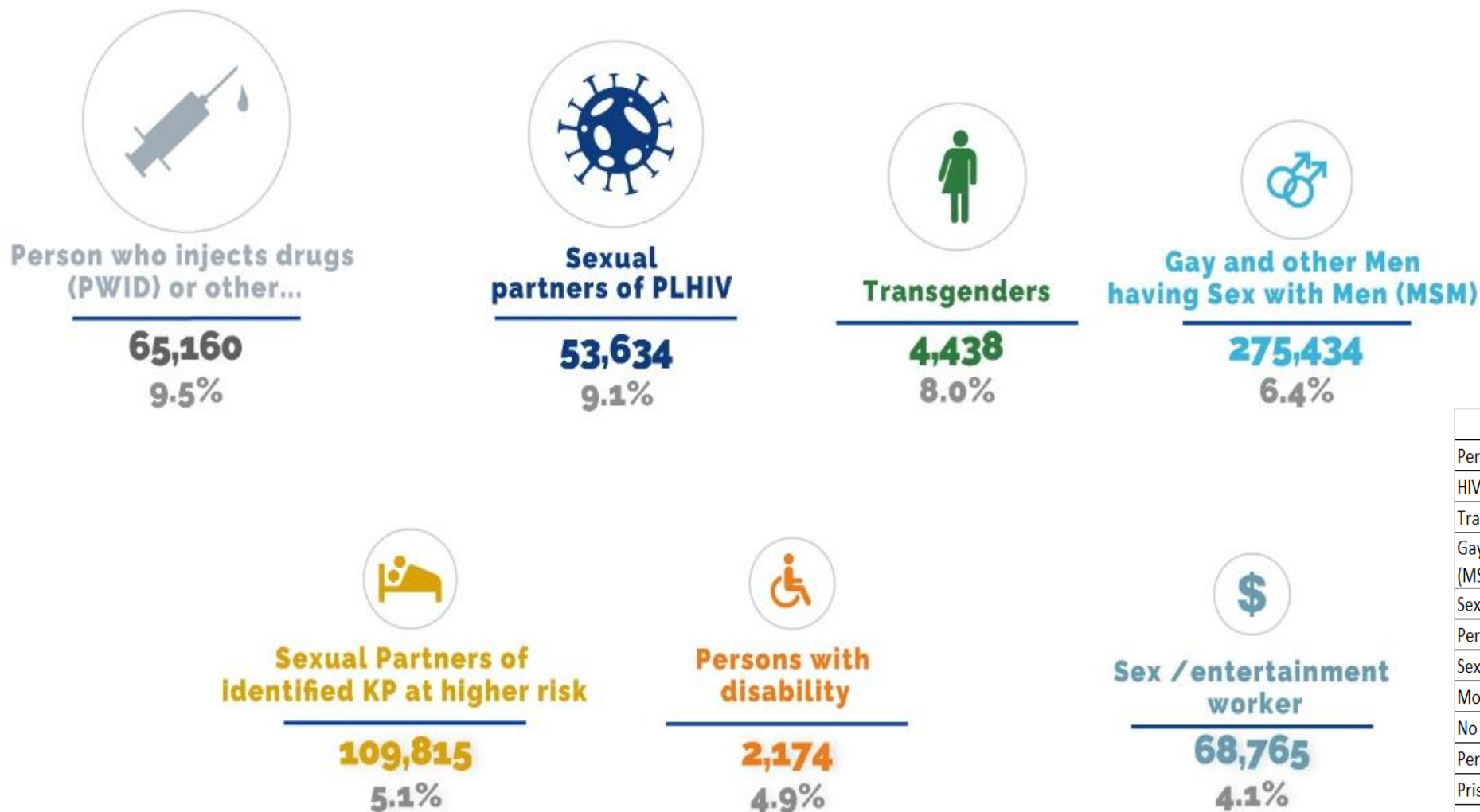


	Tested	% Positive
HIV positive partner	79,797	12.9%
Use of injectable drugs	78,403	7.4%
Subjective ill health or history of STI	49,103	4.3%
Unprotected Sex	979,322	3.8%
PITC - Ill health	635,054	3.2%
No specific reason disclosed	752,619	3.1%
HIV-exposed child	58,627	2.4%
History of bloodtransfusion or exposure...	4,104	2.2%
Non consensual sex and rape	4,986	1.7%
Pregnancy	471,495	1.7%
Administrative reason	68,266	1.6%
Occupational hazard health care worker (HCW)	5,457	0.9%

Clients that cited an HIV positive partner as the main reason for testing had the highest positivity at 12.9%. But unprotected sex was the major reason for testing overall.

# Global Program: HIV Testing - 2021

## Positivity rate by Key and Vulnerable Populations



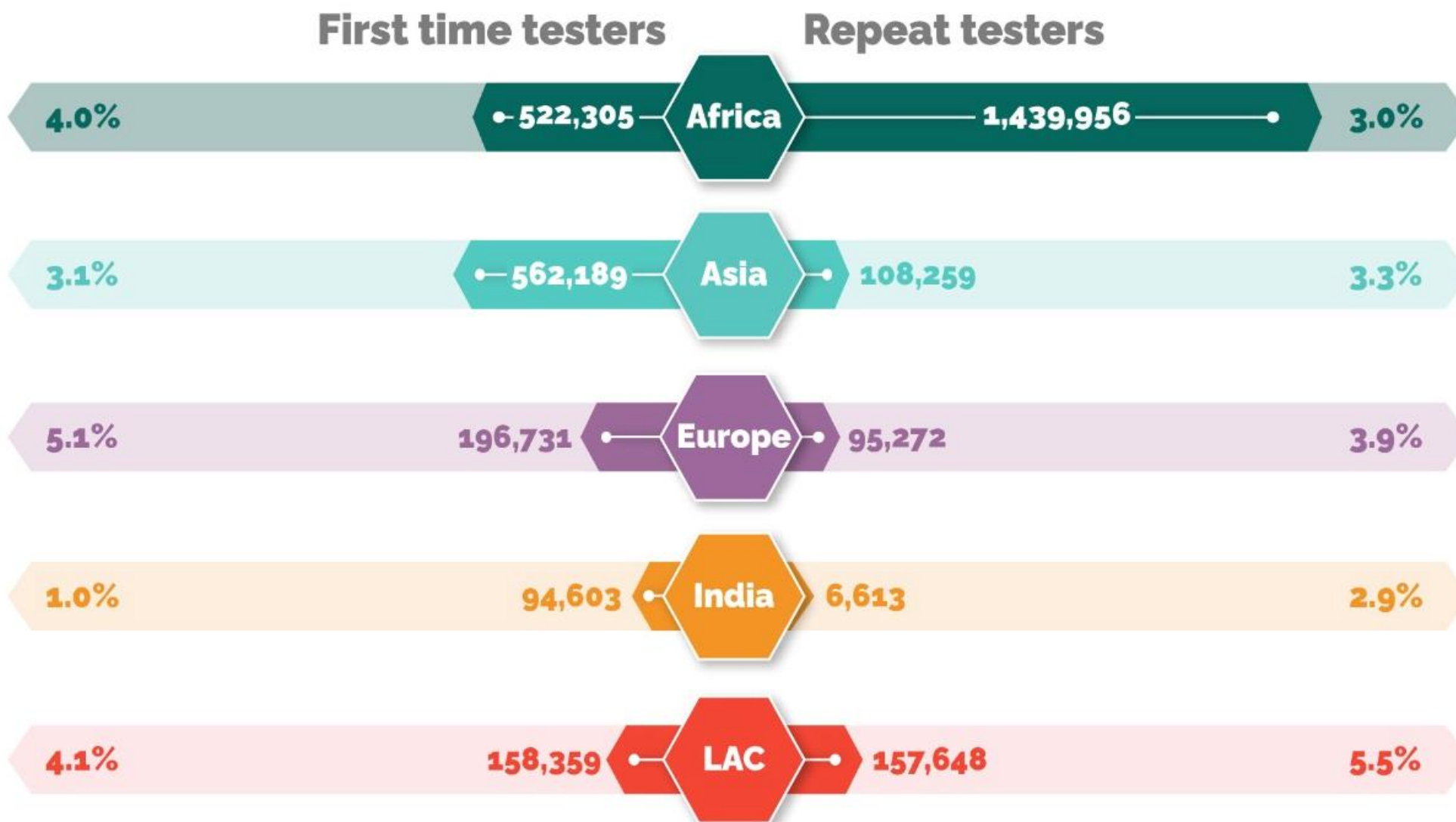
The highest positivity was among PWIDs and sexual partners of PLHIV (>9%). For > 1.3 million clients tested, “Key- or vulnerable population” was not known or not disclosed.

	Tested	% Positive
Person who injects drugs (PWID) or other...	65,160	9.5%
HIV-negative sexual partners of PLHIV	53,634	9.1%
Transgenderers	4,438	8.0%
Gay and other Men having Sex with Men (MSM)	275,434	6.4%
Sexual Partners of identified KP at higher risk	109,815	5.1%
Persons with disability	2,174	4.9%
Sex /entertainment worker	68,765	4.1%
Mobile and migrant populations	186,400	2.8%
No key- or vulnerable population known ...	1,321,880	2.5%
Person who uses non-injectable drugs (PWUD)	34,020	2.5%
Prisoner / detainee	53,140	2.2%
Adolescent Girls and Young Women (AGYW)	284,127	2.2%
Uniformed forces (military, police, security)	16,349	1.8%



# Global Program HIV Testing – By Bureau 2021

Numbers of positive tests by 1st or repeat testers and positivity rate,



Europe and India Bureaus had the highest positivity rate among first-time testers and repeat testers, respectively.

# Global Program HIV Testing Transgenders – By Bureau 2021

Number of tests and positivity rate



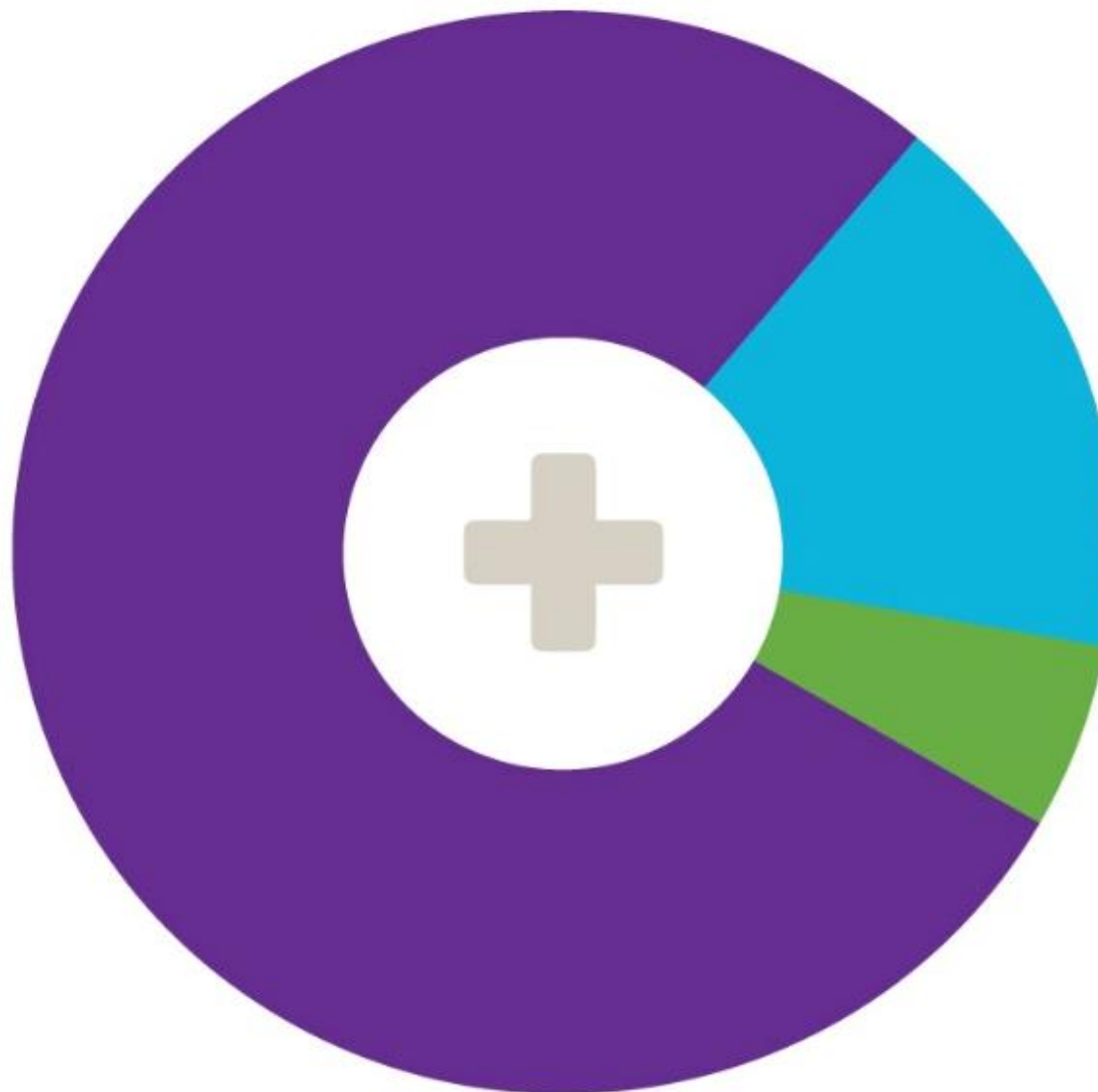
More transgenders were tested in Asia bureau with a positivity rate of 5.5%.

# Global Program HIV Testing - 2021

Numbers tested and positivity rate by Test Setting



More clients were tested in a health facility setting with a positivity rate of 3.4%.



# Global Program HIV Testing – By Bureau 2021

Numbers tested and positivity rate by test setting



HEALTH  
FACILITY



HEALTH FACILITY  
OUTREACH



COMMUNITY  
TESTING

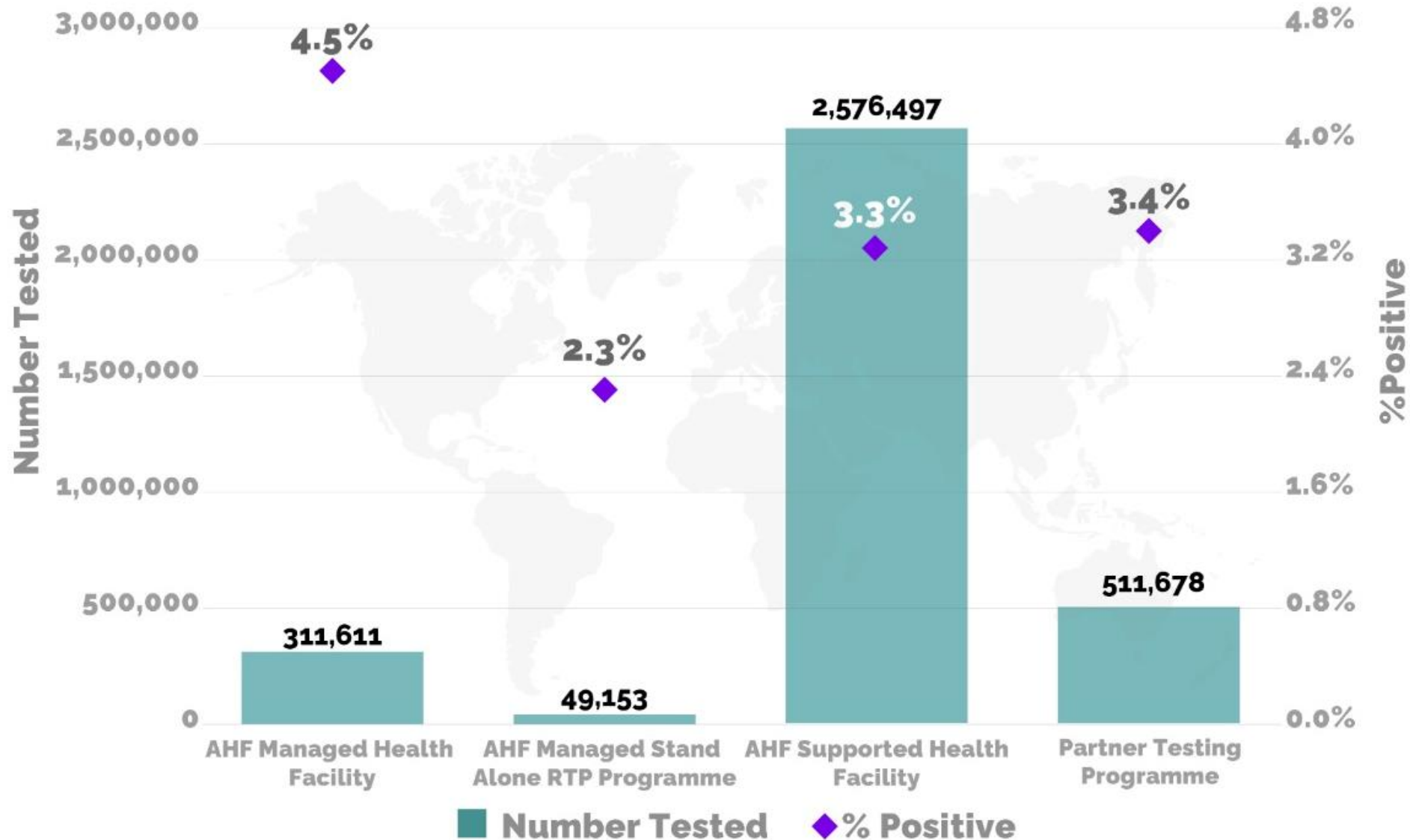
	HEALTH FACILITY	HEALTH FACILITY OUTREACH	COMMUNITY TESTING
AFRICA	1,820,905 3.2%	50,675 2.9%	193,832 3.4%
ASIA	514,827 3.1%	78,332 3.1%	77,916 2.8%
EUROPE	185,787 5.5%	170 0.0%	106,047 3.5%
INDIA	841 26.9%	5,088 1.9%	95,287 0.9%
LATIN AMERICA & CARIBBEAN	161,899 3.9%	48,509 7.7%	109,192 4.7%

All Bureaus (apart from India) conducted the vast majority of tests in health facility setting, with Latin America & Caribbean and Africa yielding slightly higher positivity in community testing



# Global Program HIV Testing - 2021

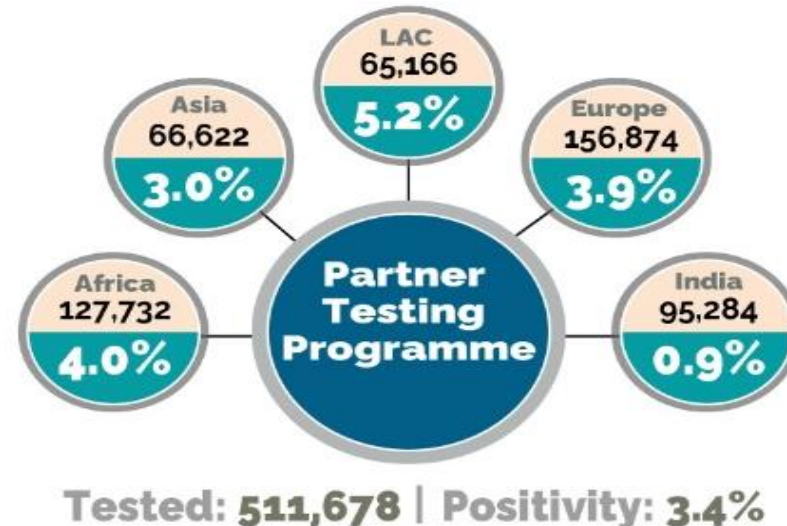
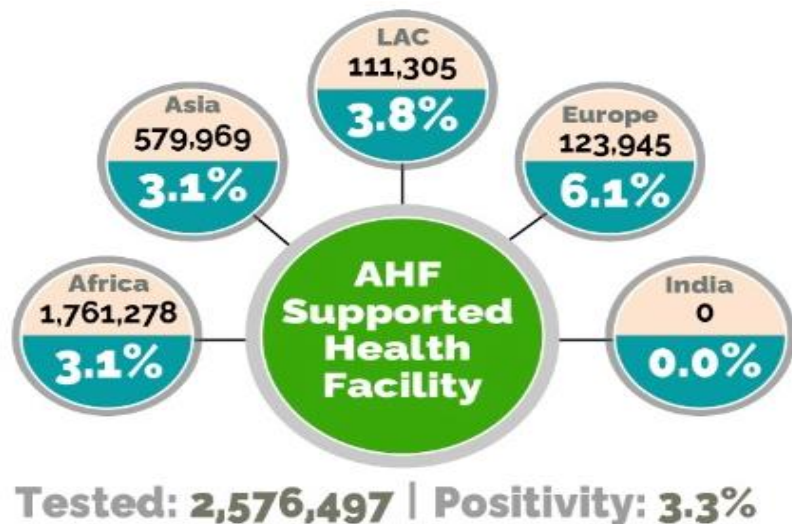
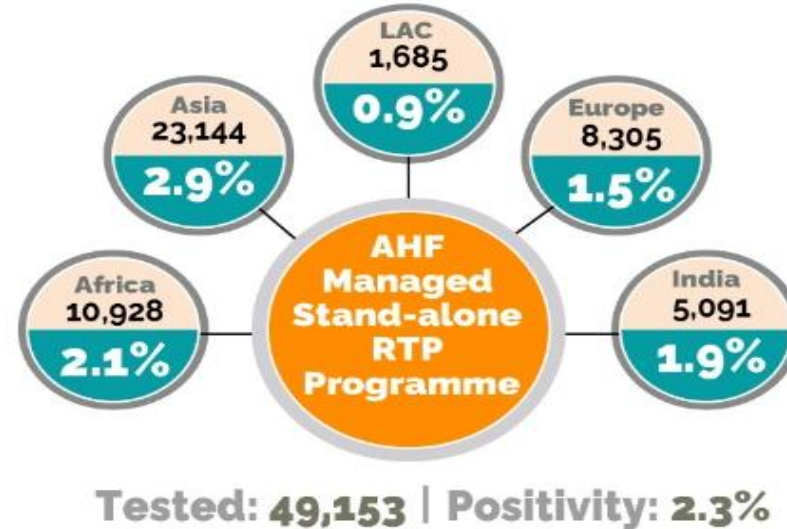
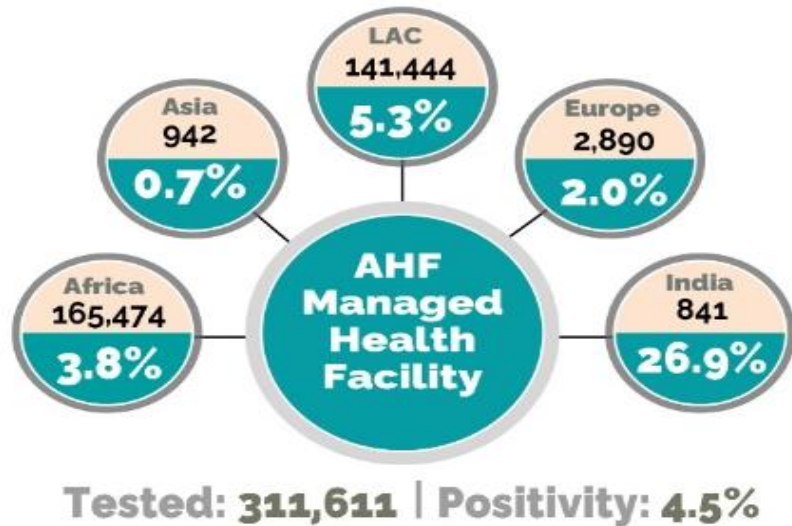
Numbers tested and positivity rate by test program category



AHF-managed facilities had the highest positivity rate compared to other programs.

# Global Program HIV Testing – 2021 By Bureau

Numbers tested and positivity rate by test program category

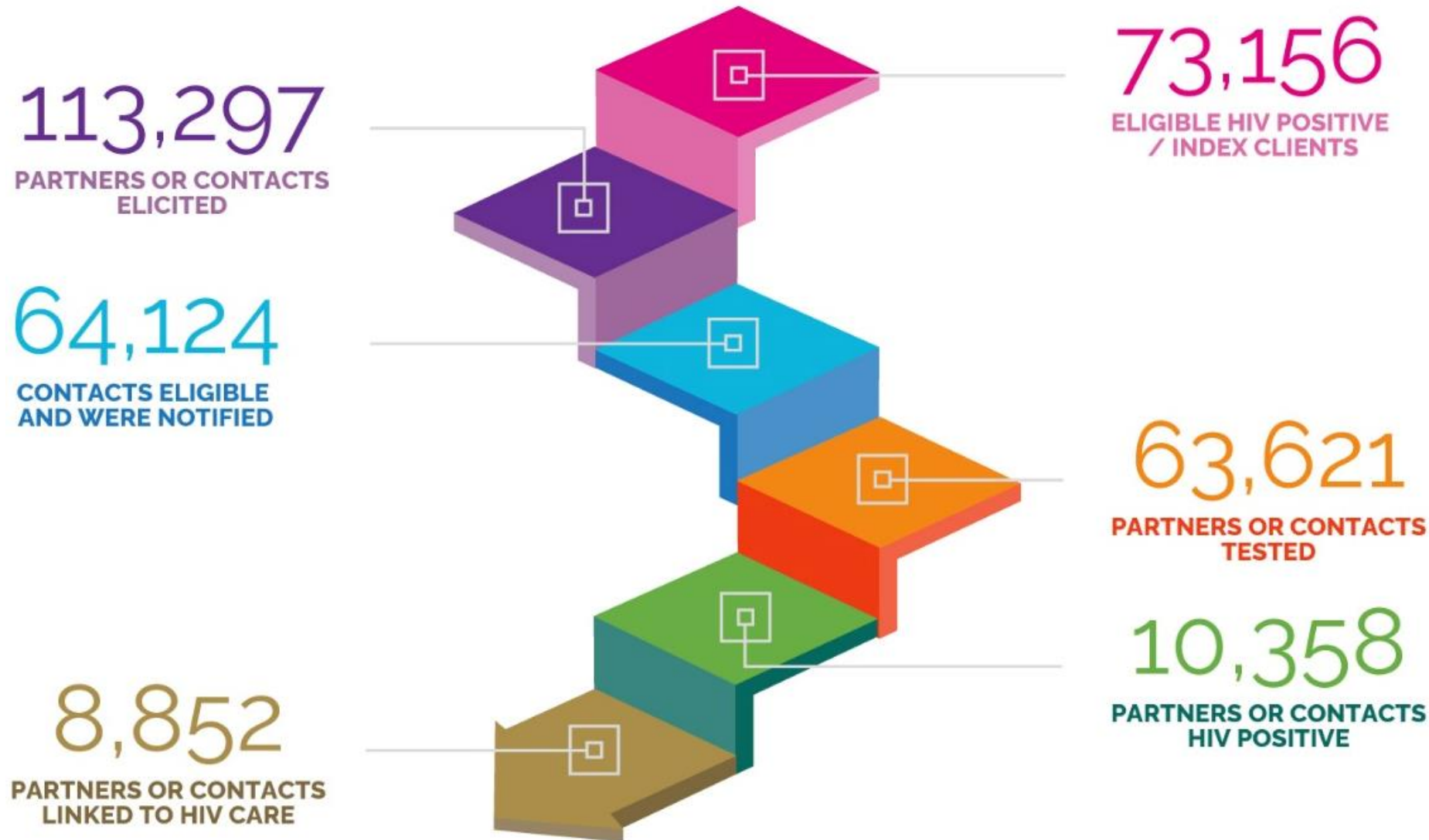


Asia Bureau tested the highest number of clients in the AHF Managed stand-alone RTP programs with also a 2.9% positivity

Testing by AHF supported Partner Programs yielded 5.2% and 4% resp. in Africa and Latin America & Caribbean Bureaus.

# Africa Bureau – HIV Testing 2021

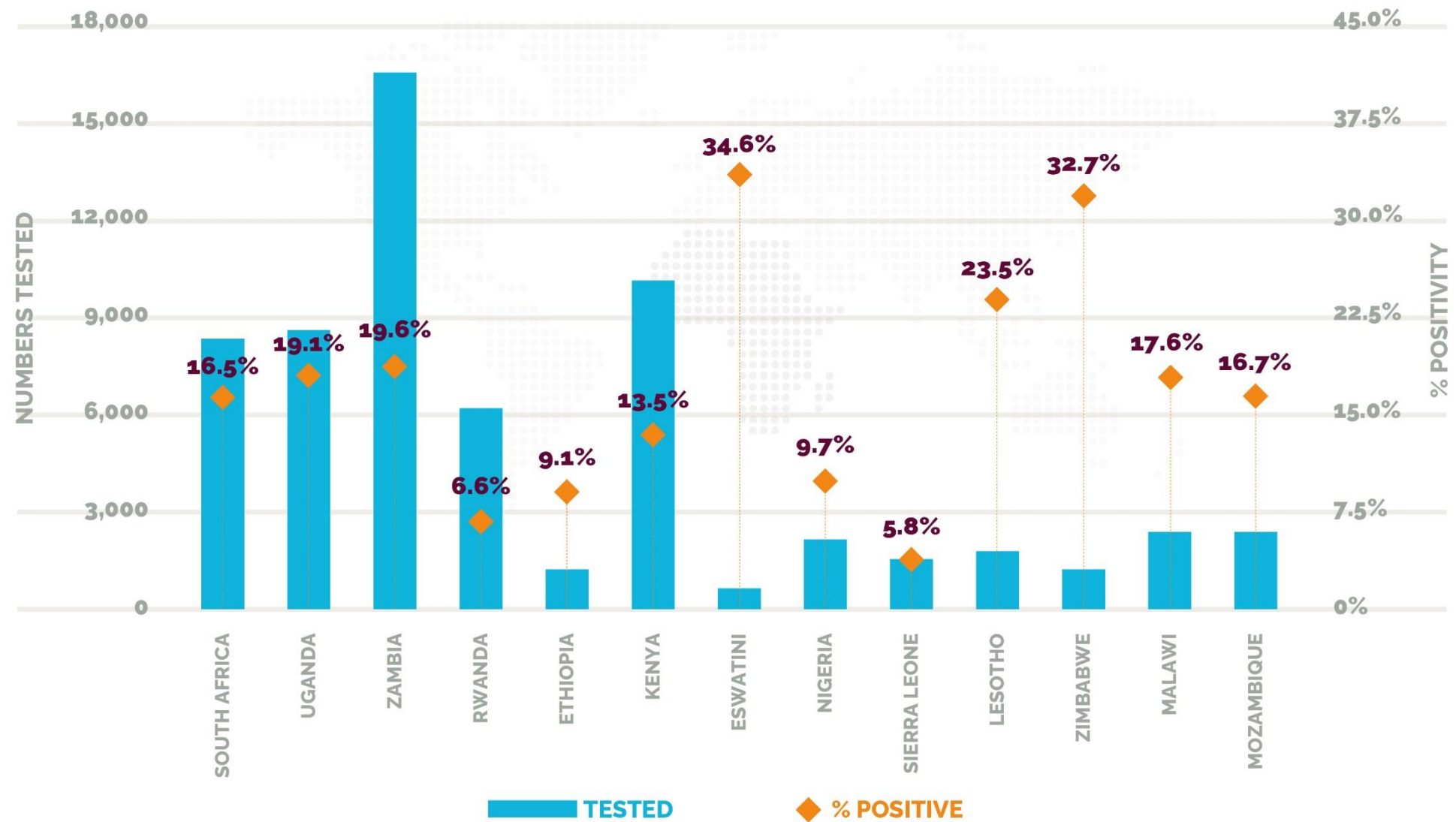
## Index Testing Summary



10,358 contacts were identified positive out of 63,621 contacts tested, a positivity rate of 16.3%.

# Africa Bureau – HIV Testing 2021

## Index Testing by Country



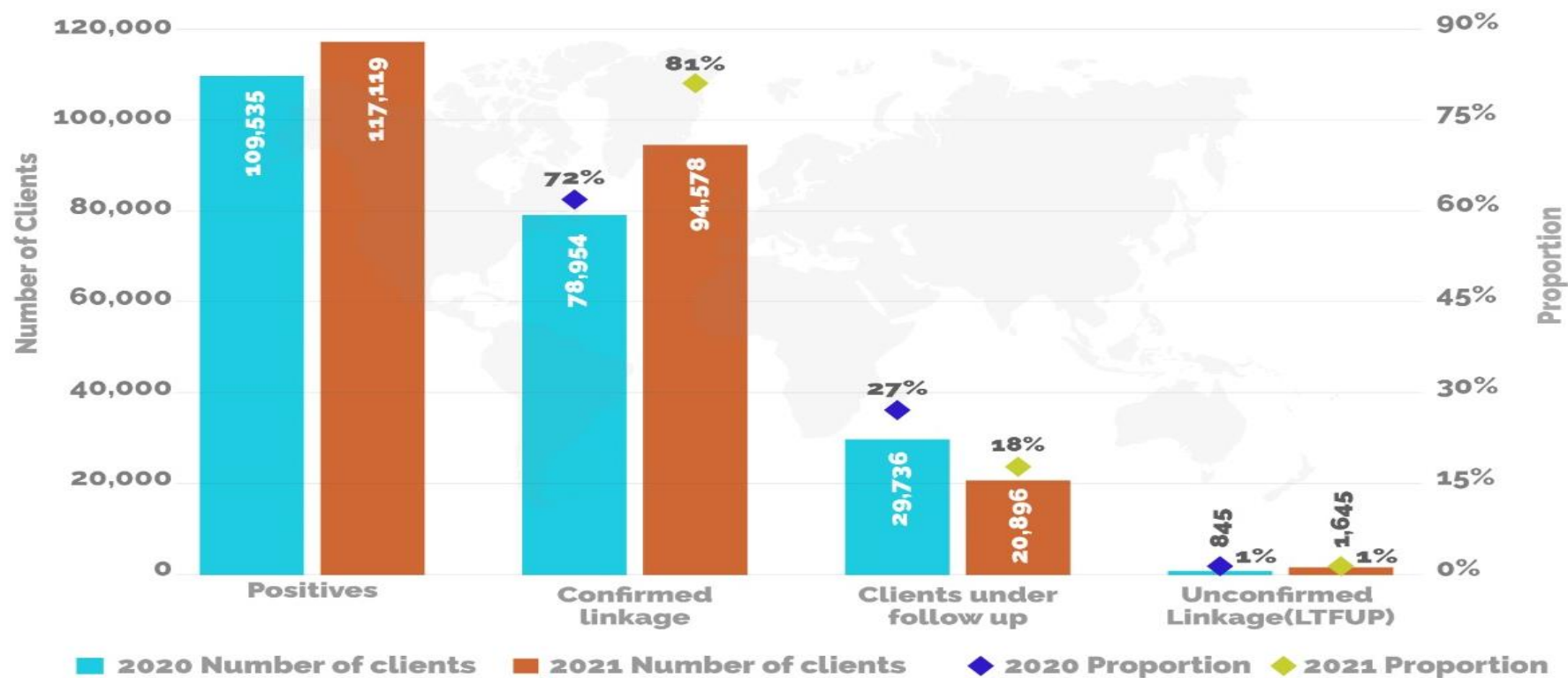
Highest number of tests for the Index Testing program were conducted in Zambia. Eswatini and Zimbabwe had positivity rates above 30%.



# Global Program HIV Testing - 2021

## Linkage outcomes for clients who tested HIV positive

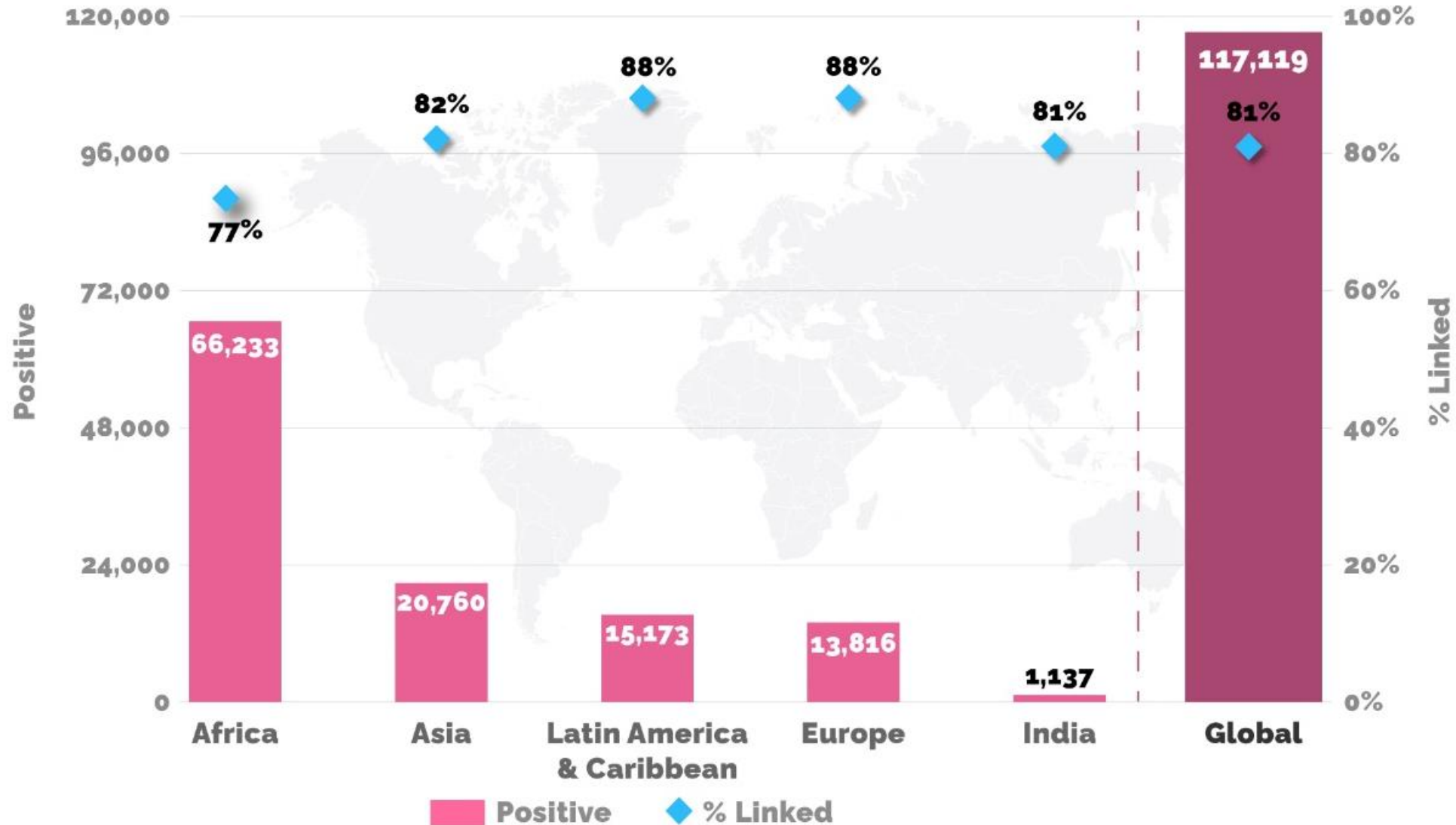
Total new of HIV positives clients	For whom linkage reported as confirmed	Proportion
<b>117,119</b>	<b>94,578</b>	<b>81%</b>
<b>Confirmed linkage reported (94,578)</b>	<b>HIV positive clients</b>	
<b>Linked to AHF Managed facility</b>	<b>5,793</b>	<b>6%</b>
<b>Linked to AHF-Supported facility</b>	<b>74,209</b>	<b>79%</b>
<b>Linked to Non-AHF facility</b>	<b>14,576</b>	<b>15%</b>



Majority of the clients identified positive were linked to AHF supported facilities at 79%.

# Global Program HIV Testing – 2021 By Bureau

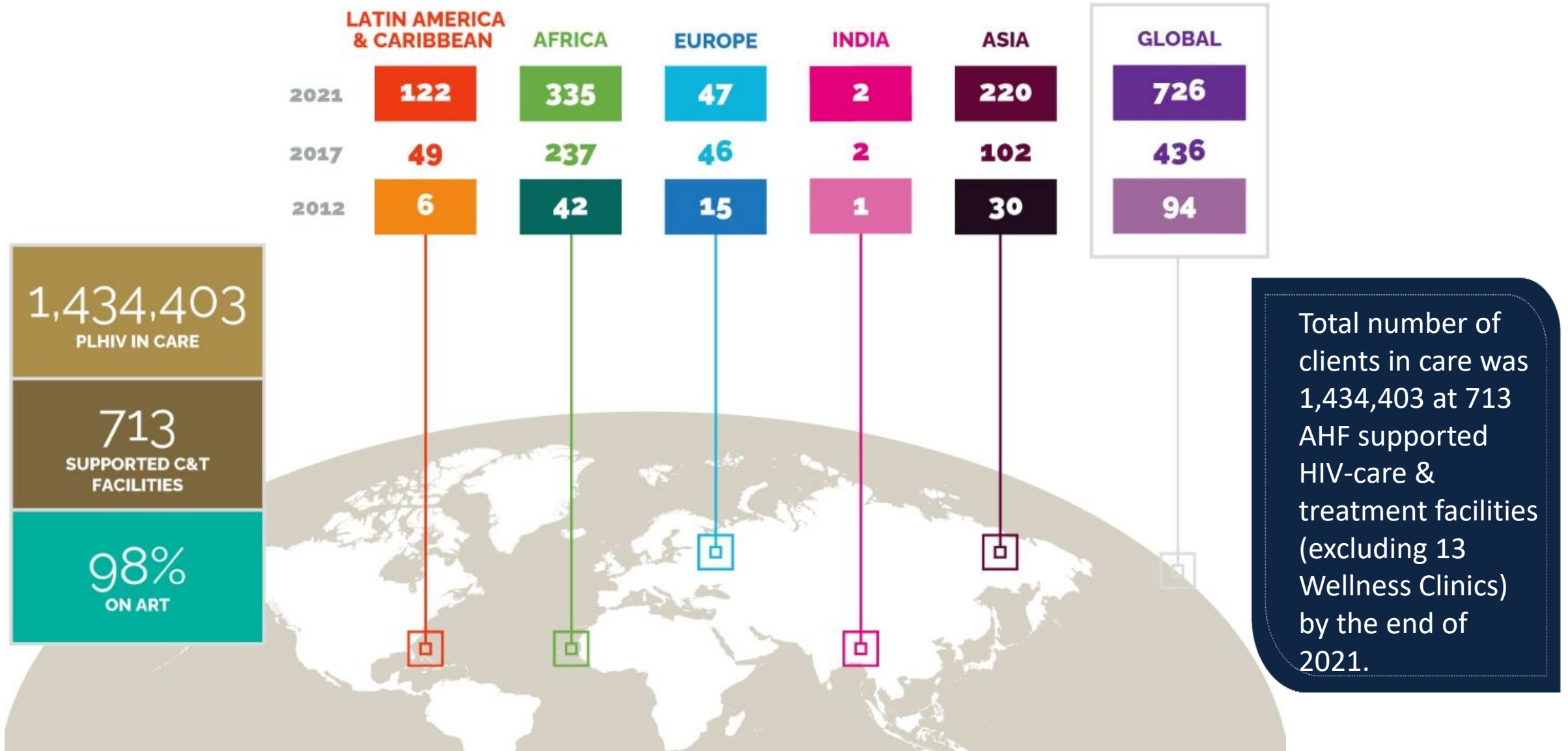
## Linkage outcomes for clients who tested HIV positive



Europe Bureau had the highest proportion of clients who were linked to care.

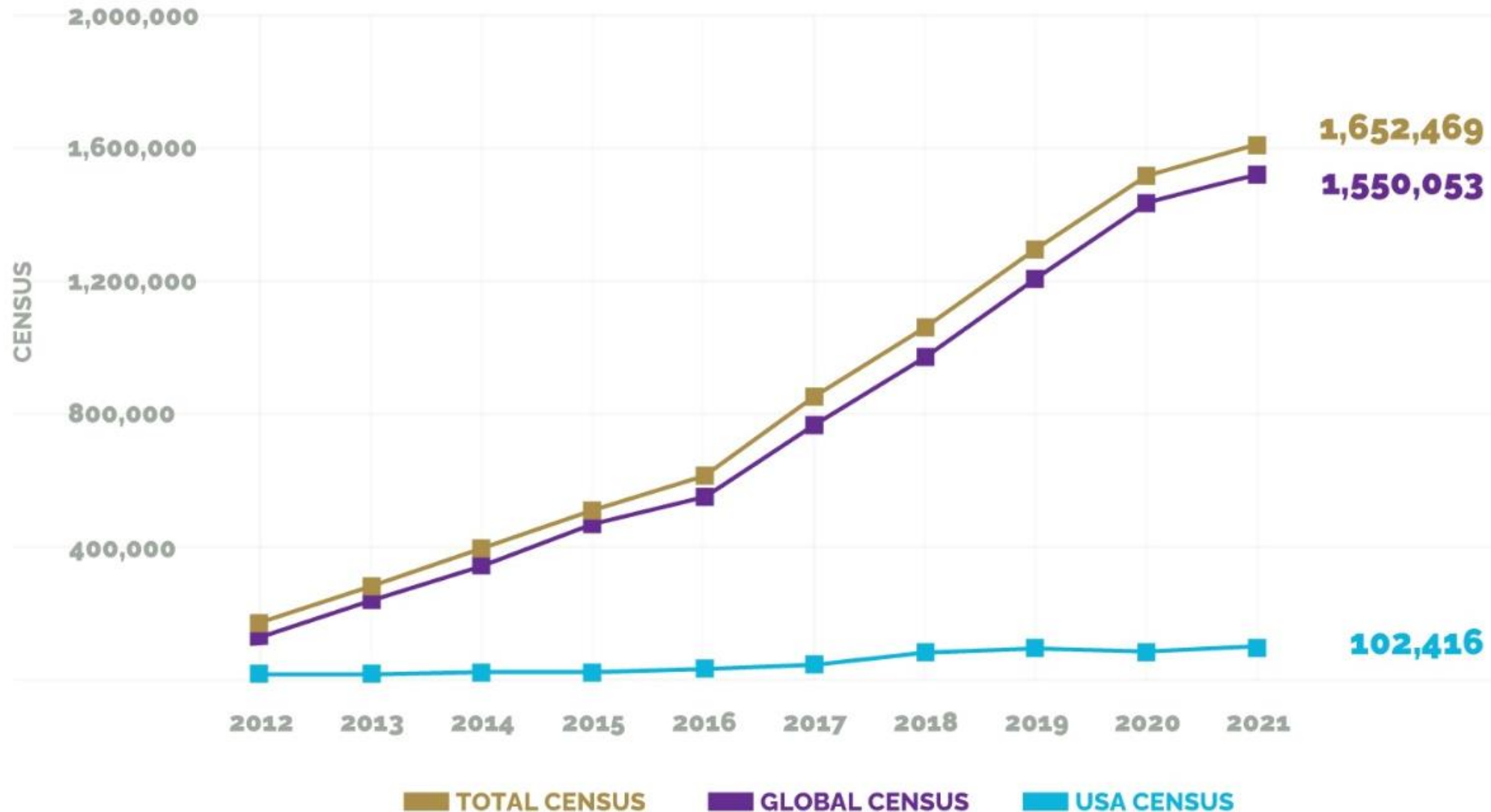
# HIV Care & Treatment – Global Program 2012 - 2017 – 2021

## Growth of the AHF supported facilities and Wellness Centres



# Census - Global Program & USA

## Growth of Census 2012 – 2021 (Global and US programs combined)



Total clients enrolled at AHF supported facilities grew to 1,652,469 by the end of 2021. The number includes both Global and US programs and Wellness Clinics in Global

# Census - Global Program & USA

## Growth Rate of Census (2020/2021)



The global census growth rate dipped in the 2nd and 4th quarter of 2020 and 1st and 4th quarter of 2021.



# Care and Treatment - Global Program

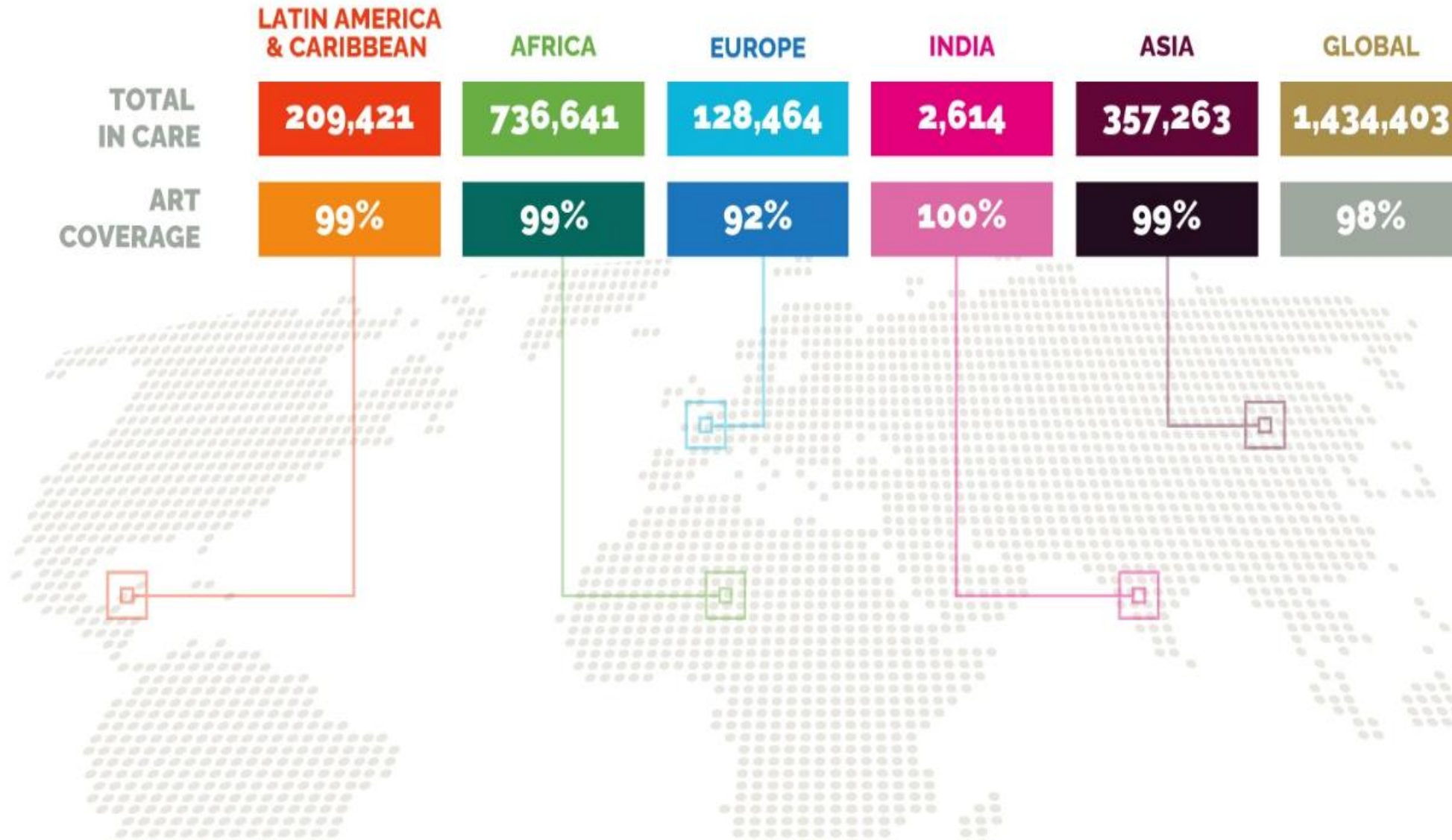
## ART Coverage 2012 – 2021



Total clients enrolled at AHF supported facilities were 1,434,403 by end of 2021, with 98% ART coverage.

# Care and Treatment - Global Program 2021 - by Bureau

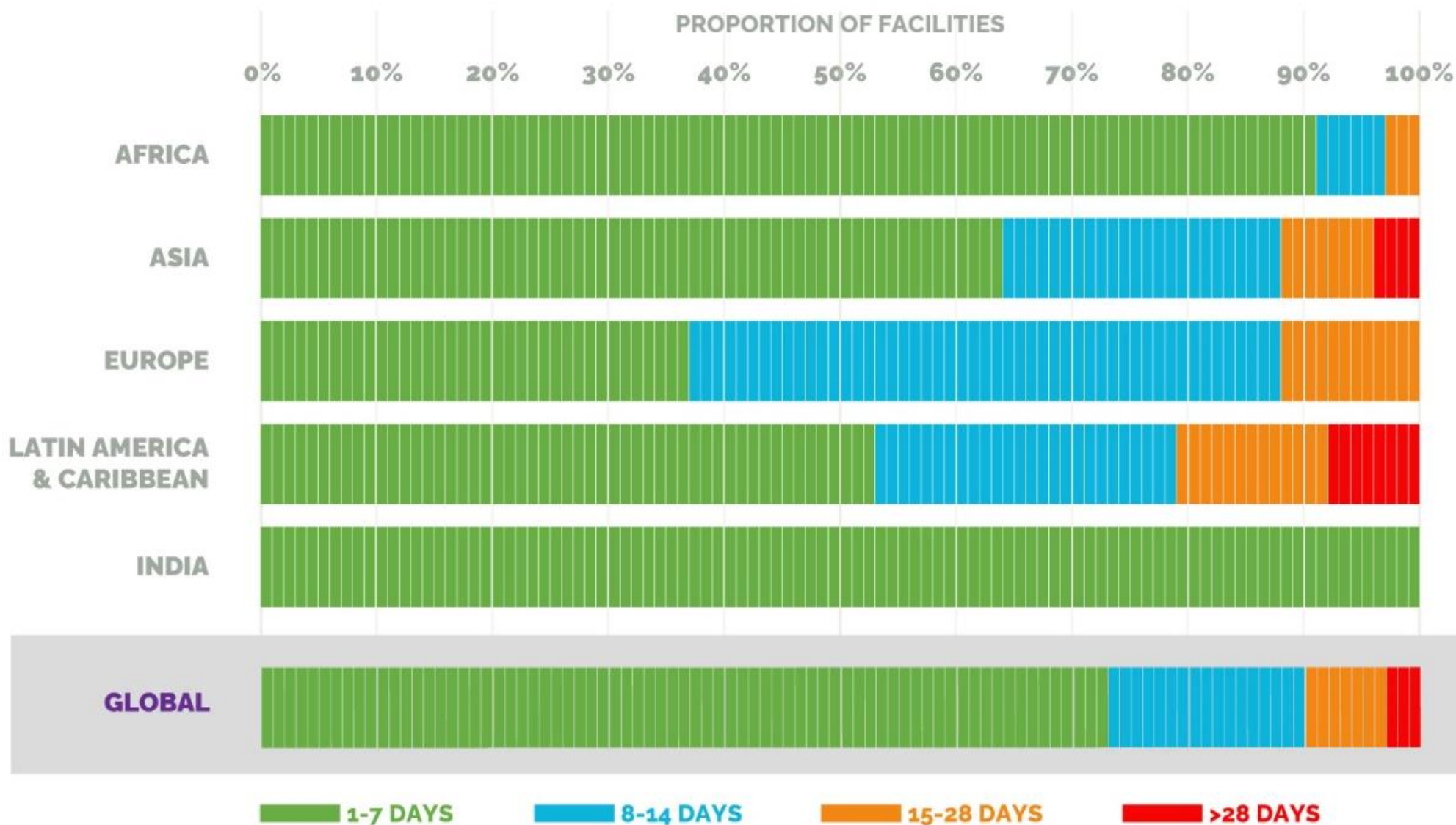
## Total Clients in Care and ART Coverage at the end of 2021



India Bureau had 100% of all clients in care initiated on ART by end of 2021.

# Benchmark 4 - Global Program 2021 by Bureau

Median time (days) between date of HIV-diagnosis and ART initiation

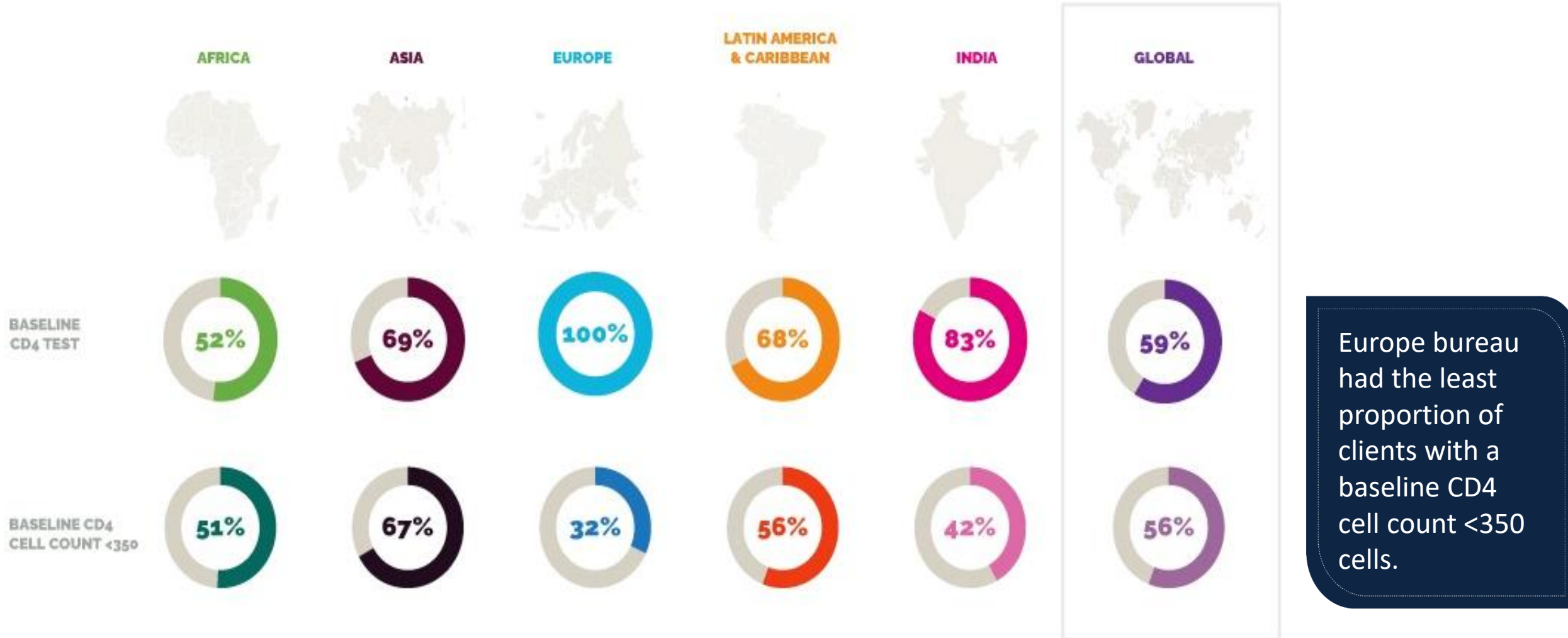


All bureaus had at least 79% (green and blue stack) of facilities initiating clients on ART on median time of two weeks.



# Benchmark 5: Baseline CD4 Test Coverage - Global Program 2021

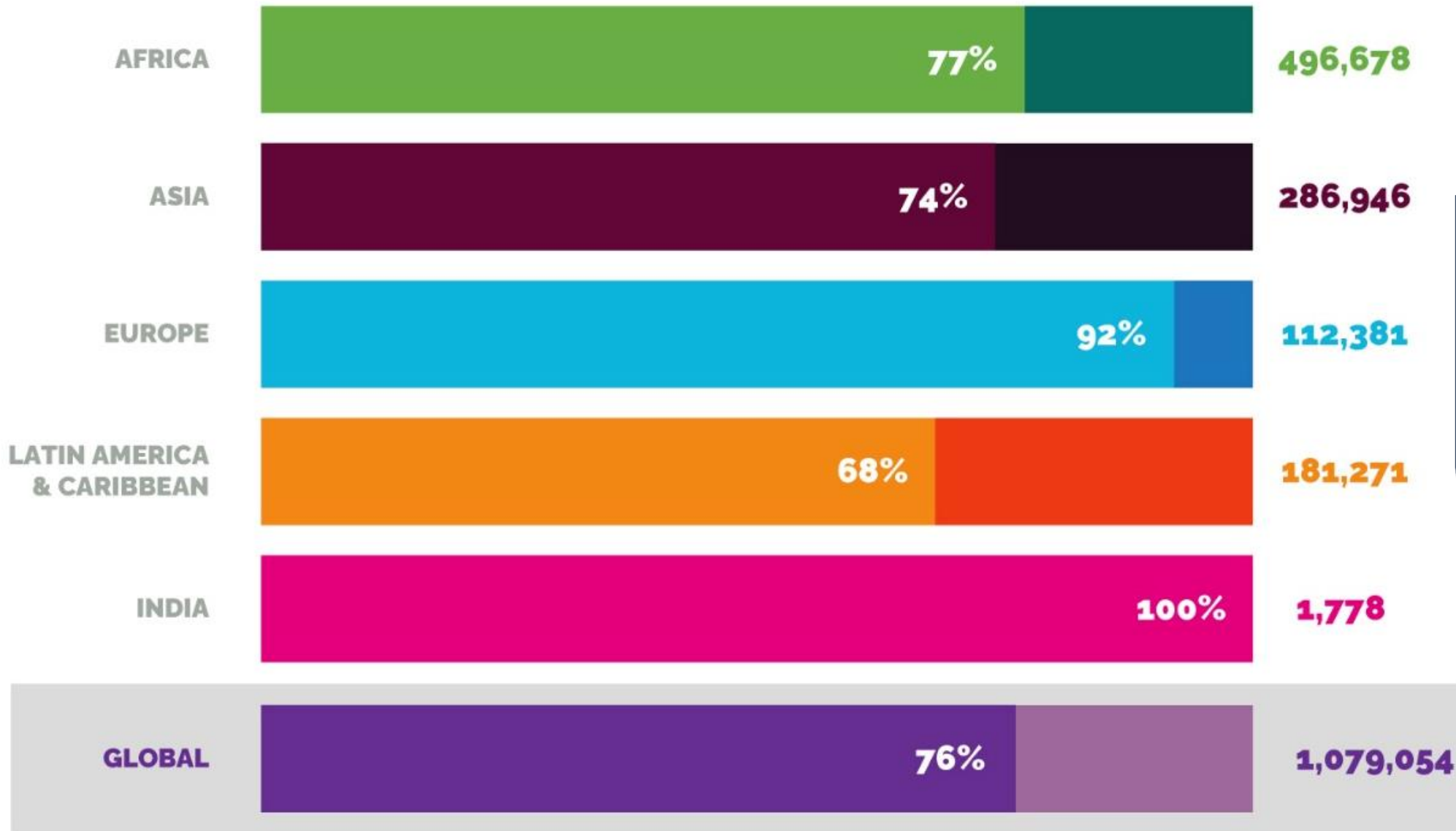
Proportion of clients with a baseline CD4 test - by bureau (Q4 2020-Q3 2021)





## Benchmark 6A - Viral Load Test Coverage - Global Program 2021 by Bureau

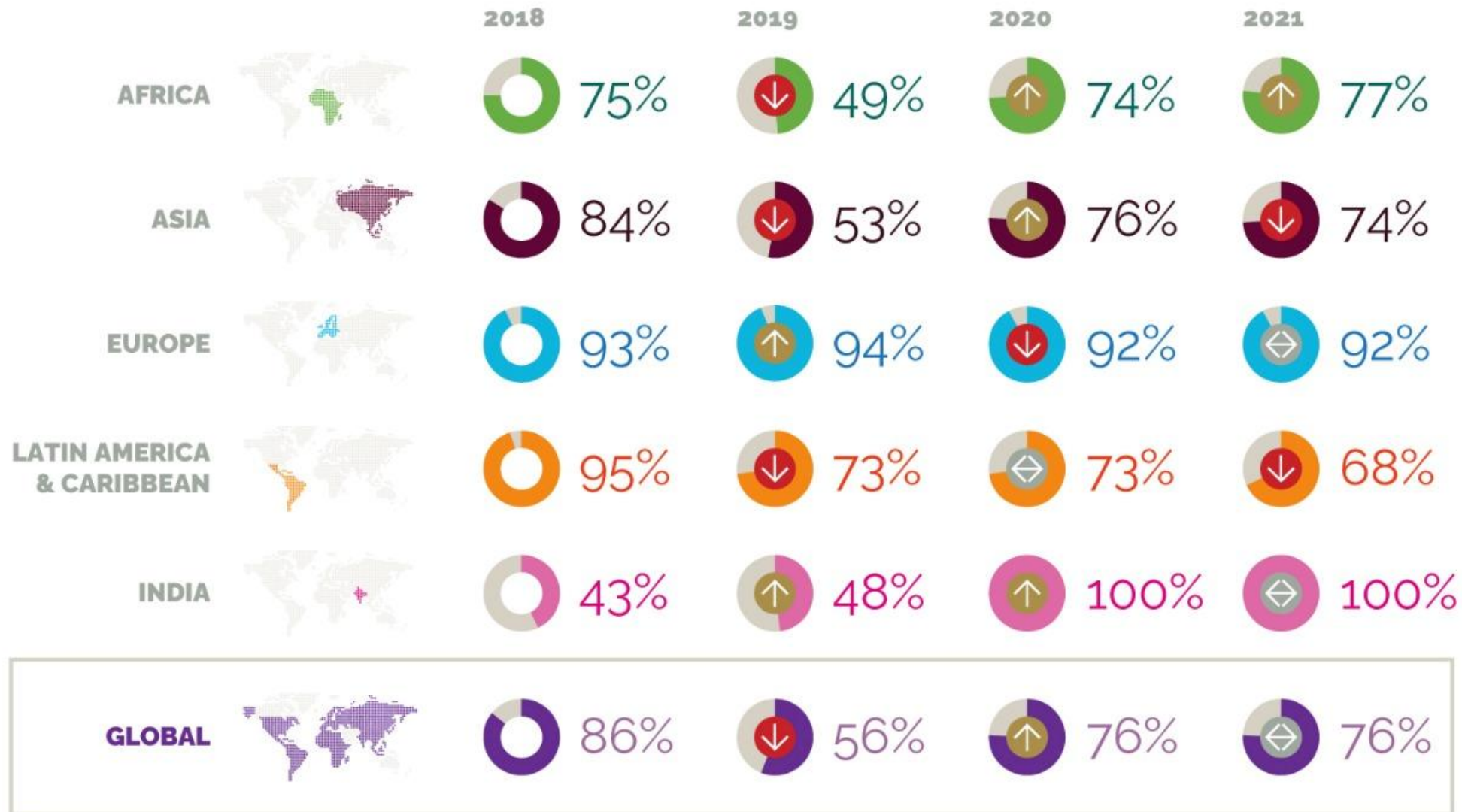
Proportion of clients > 6 m on ART, who had VL test result in the last 12 months.



India and Europe Bureaus had the highest viral load test coverage at >90% in 2021.

# Benchmark 6A - Viral Load Test Coverage – Global Trend 2018-2021 by Bureau

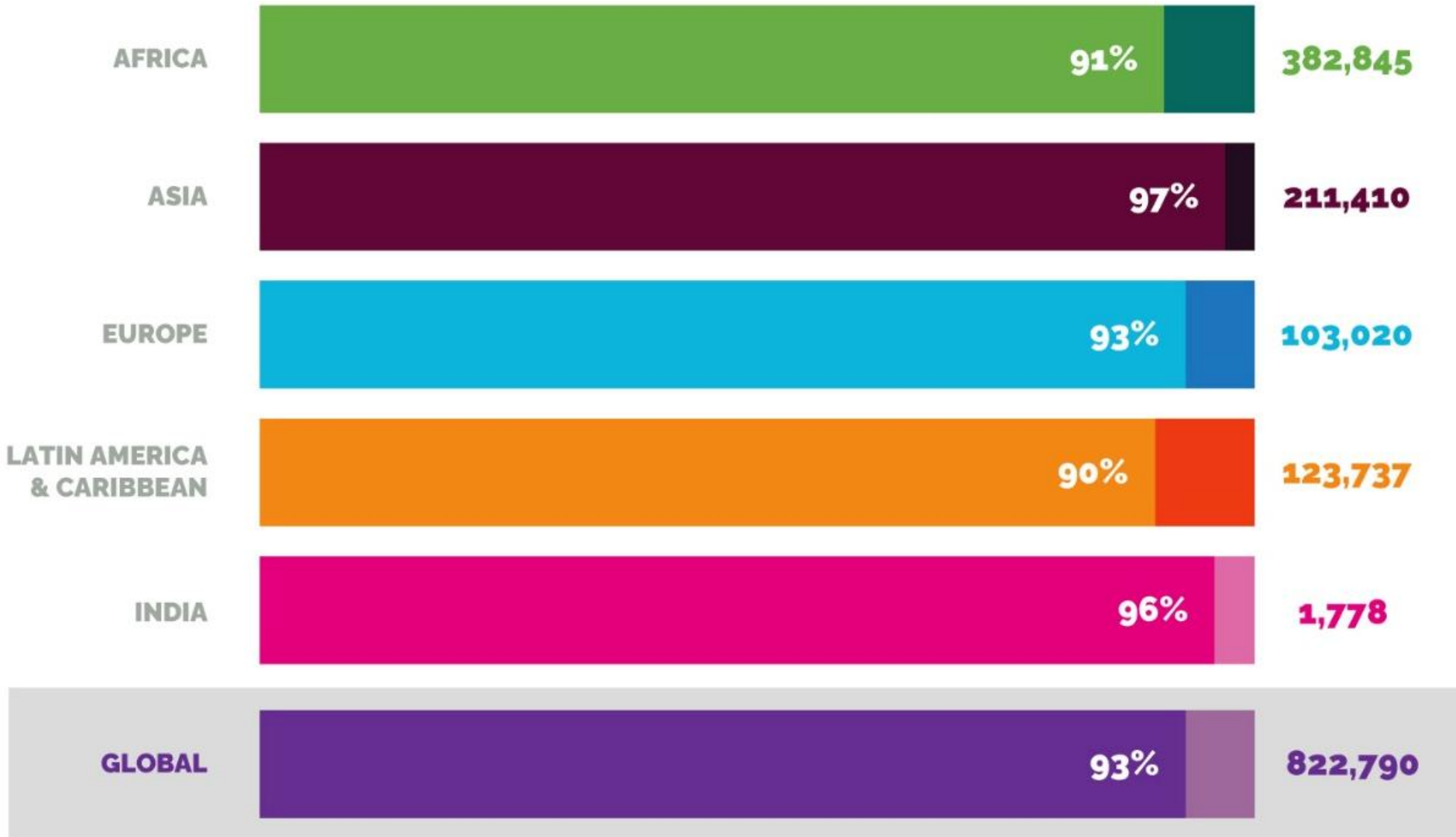
Proportion of clients > 6 months on ART, who had VL test result in the last 12 months.



Viral load coverage overall for the Global Program remained at 76% in both 2020 and 2021.

## Benchmark 6B - Viral Load Suppression (VLS). Global Program 2021 by bureau.

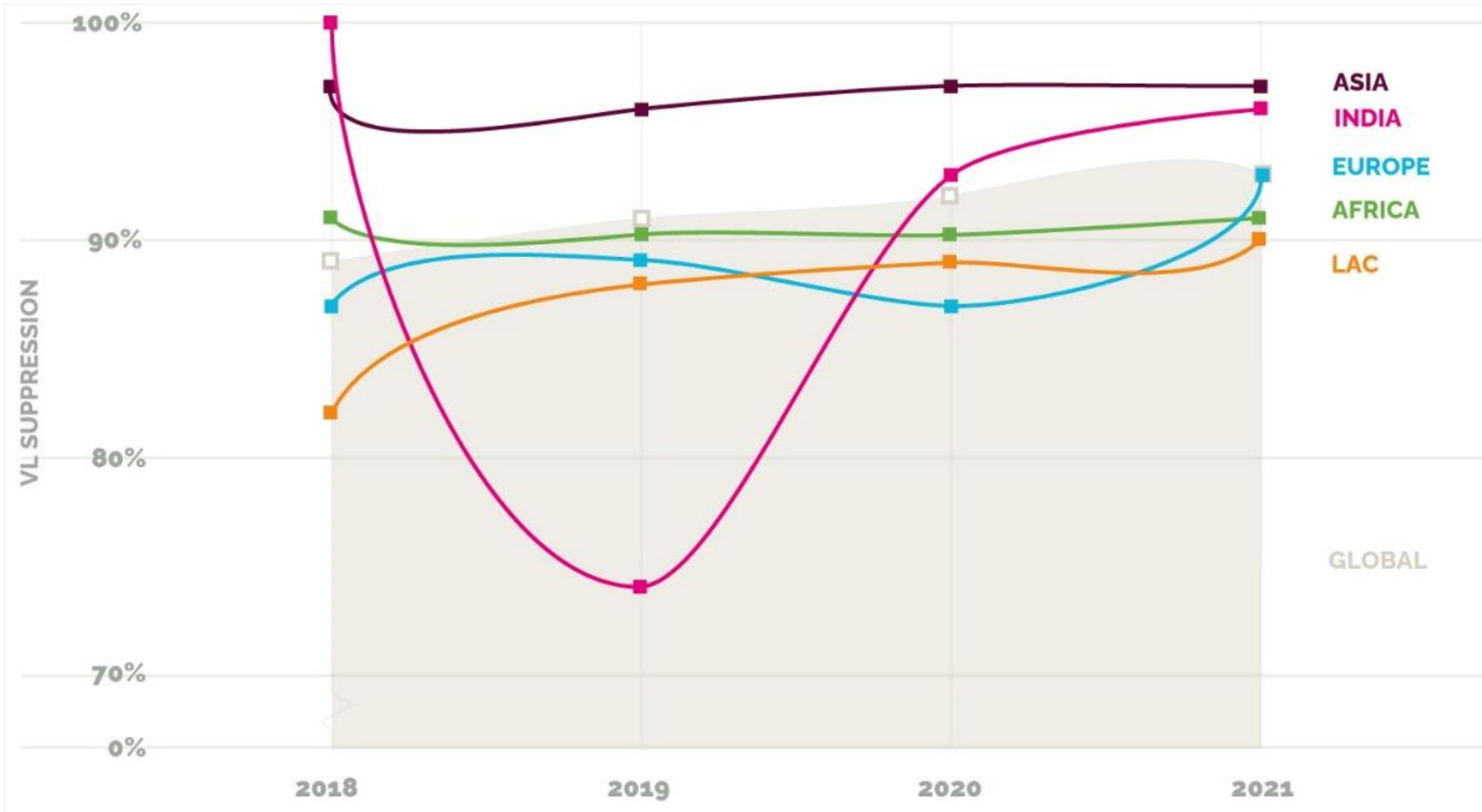
Proportion of clients > 6 months on ART with a VL test result in the last 12 months, who were virologically suppressed.



Viral load suppression reached 93% for the Global Program in 2021.

## Benchmark 6B - Viral Load Suppression (VLS). Global Trend 2018-2021 by bureau

Proportion of clients > 6 months on ART with a VL test result in the last 12 months, who were virologically suppressed)

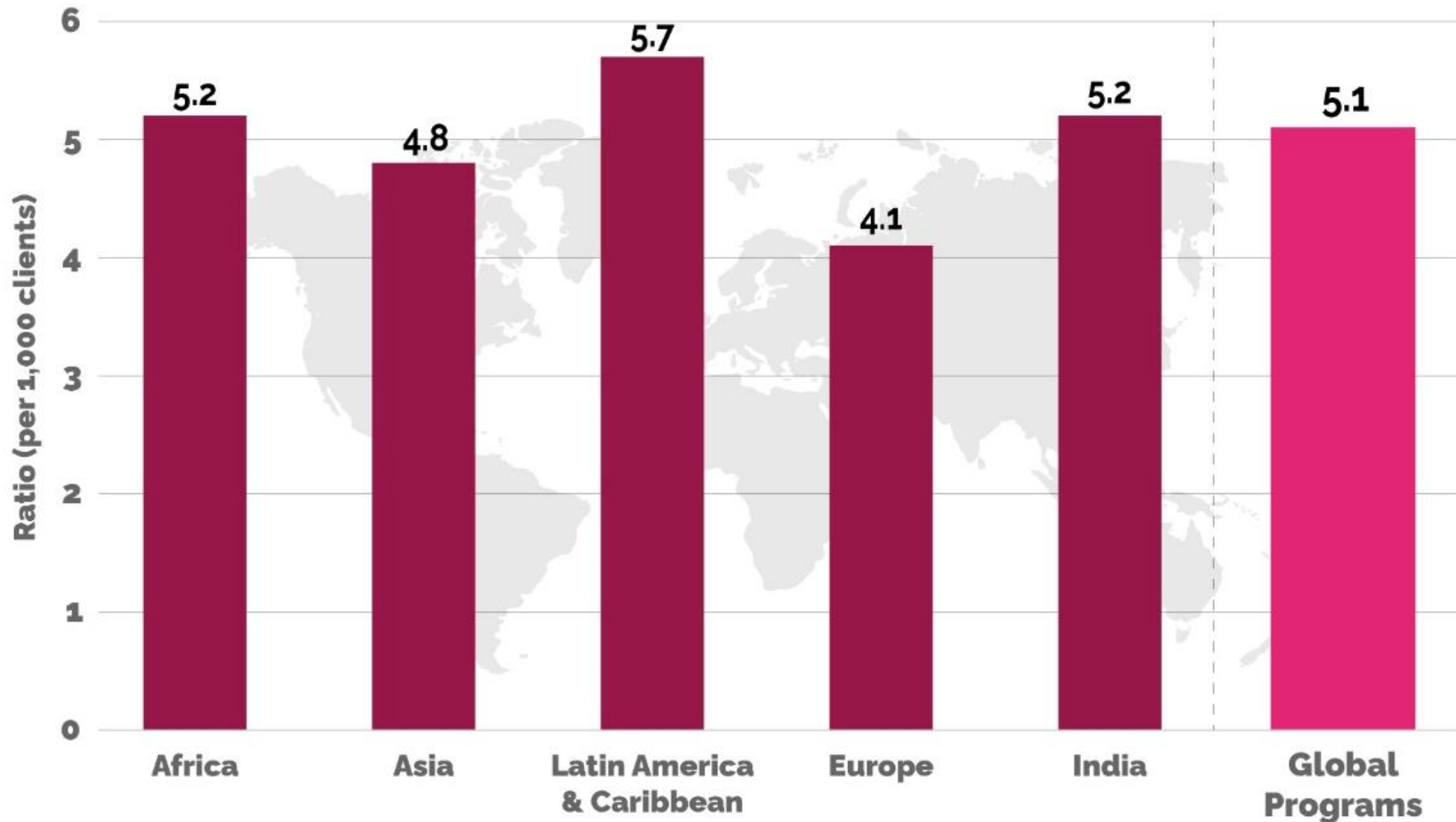


India Bureau recorded remarkable increase in viral load suppression between 2019 and 2021.



# Benchmark 7 - Mortality 2021 Global Program by Bureau

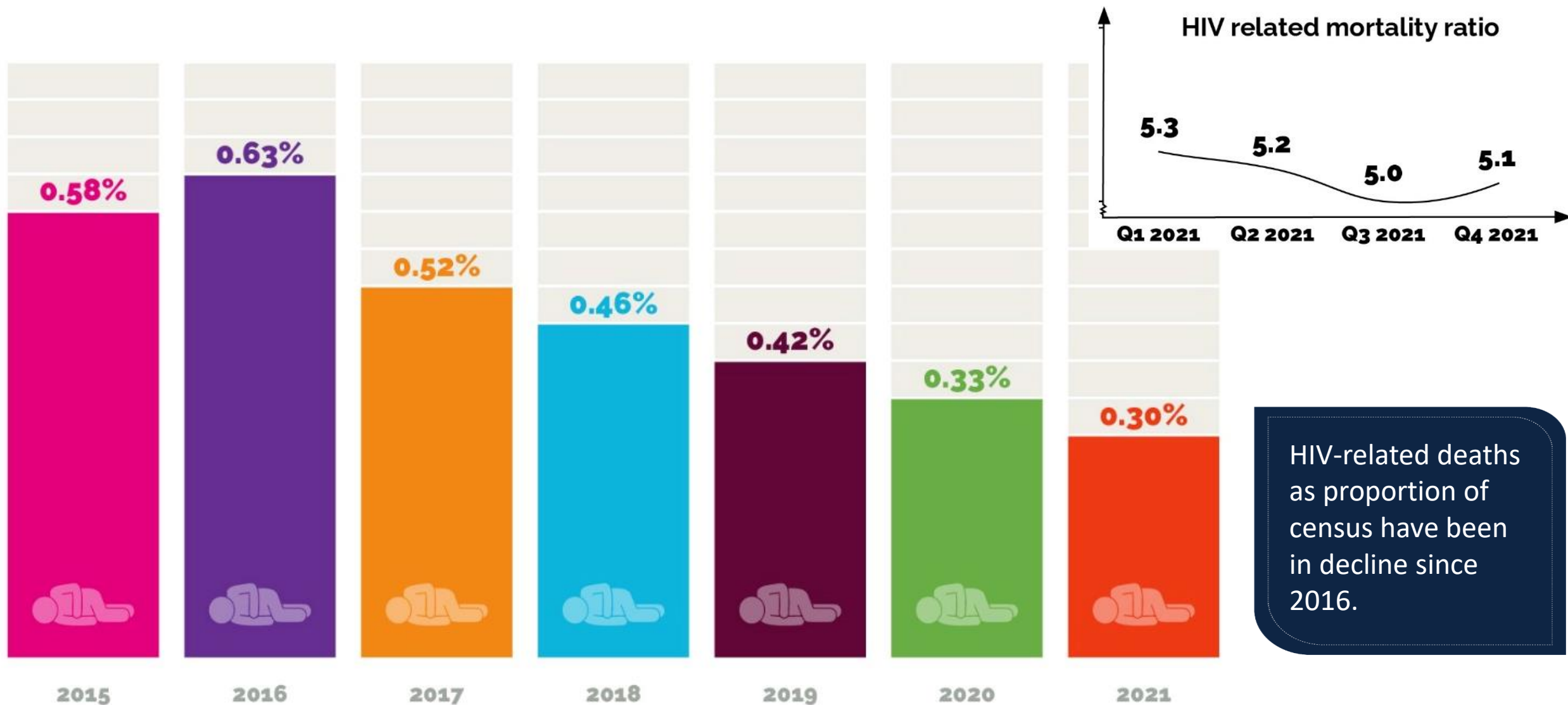
## HIV-related Mortality Ratio (per 1,000 clients)



Europe reported the least HIV-related mortality ratio at 4.1.

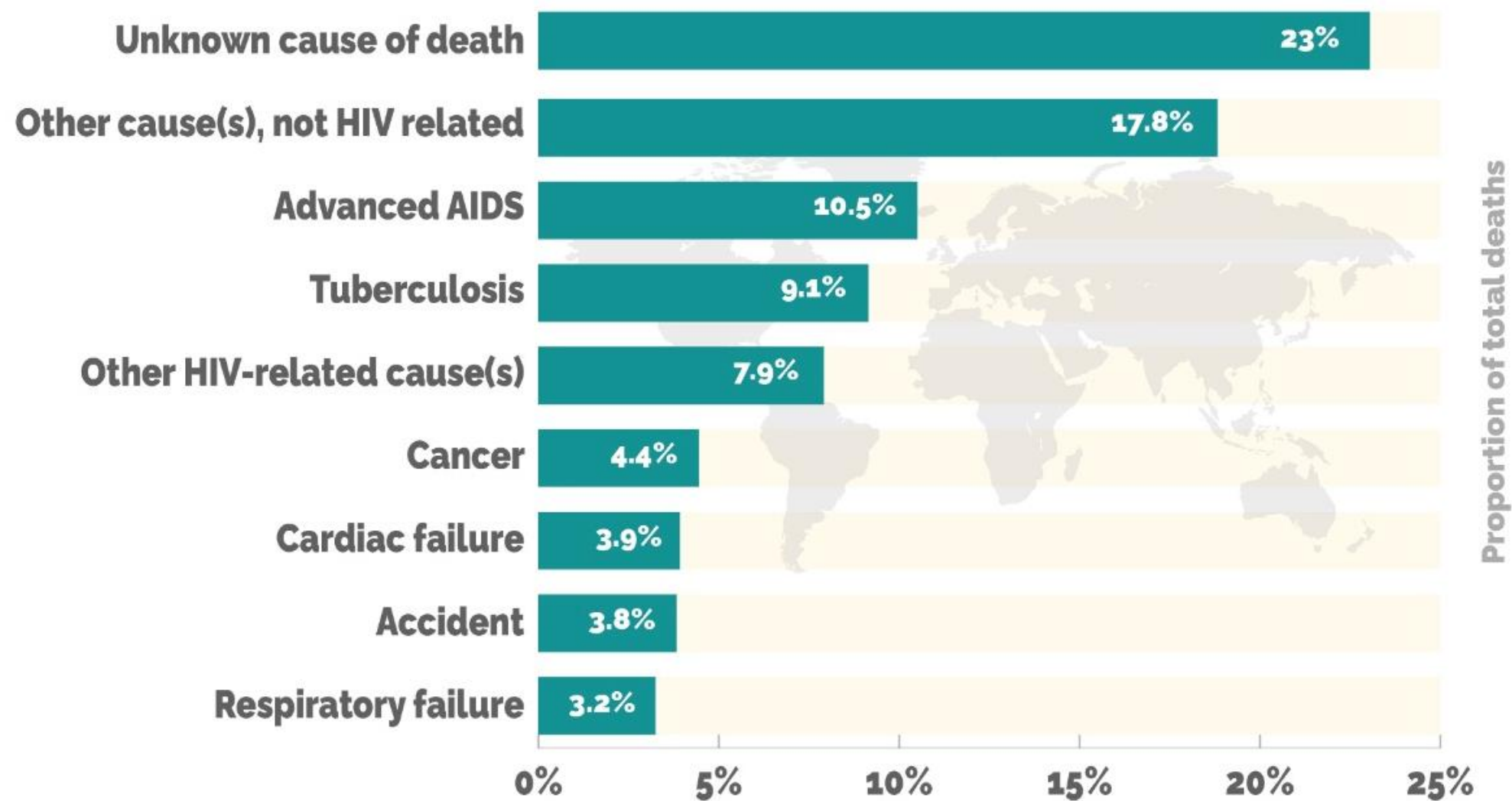
# Benchmark 7 - Mortality Trend 2015-2021 Global Program

HIV-related deaths as a proportion of census (2015 – 2021)



# Mortality Global Program -2021

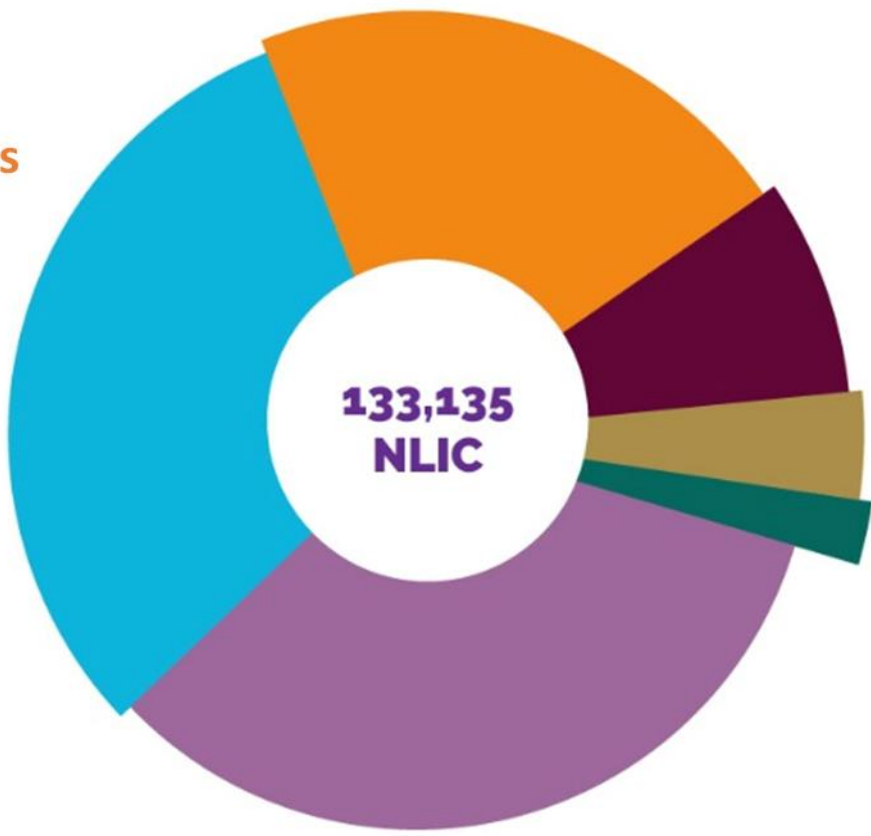
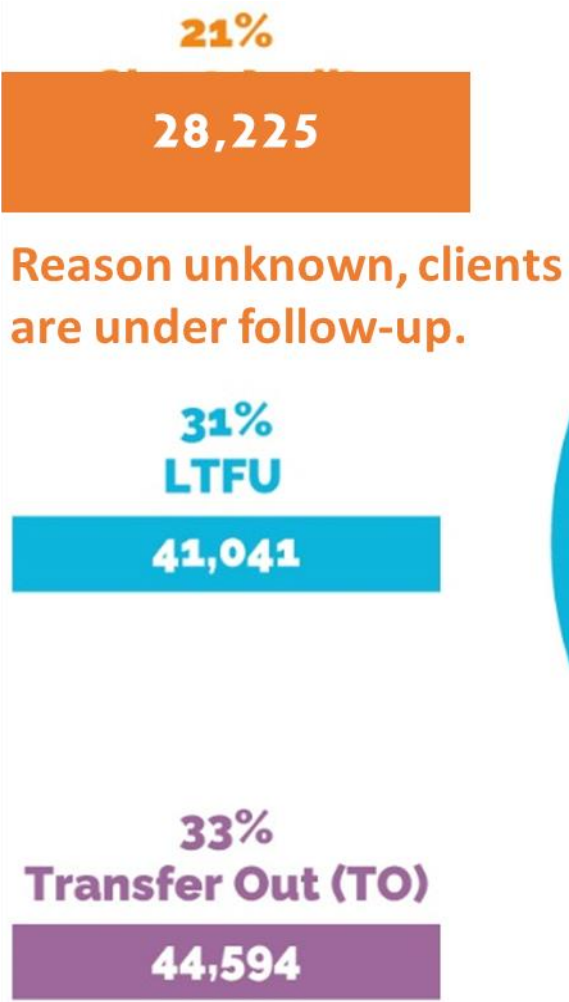
## Leading causes of deaths



Unknown cause of death is the leading cause of deaths at 23%.

# Benchmark 8 – Retention - Clients No-Longer-In-Care - 2021

## Distribution of reasons for becoming NLIC

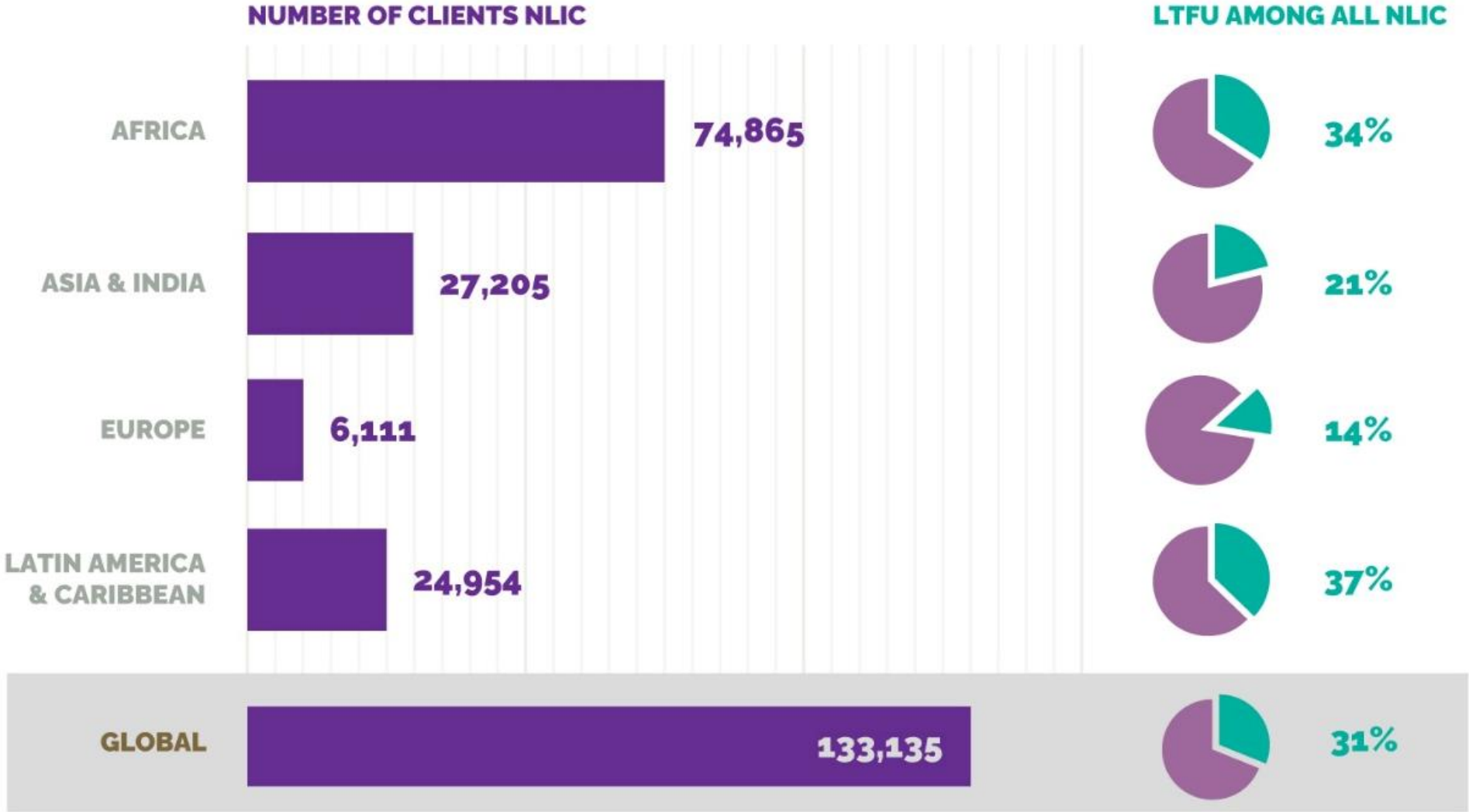


Transfer-out and LTFU clients comprised more than half of total NLIC clients in 2021.



# Benchmark 8 – Retention - Lost To Follow-Up 2021 by Bureau

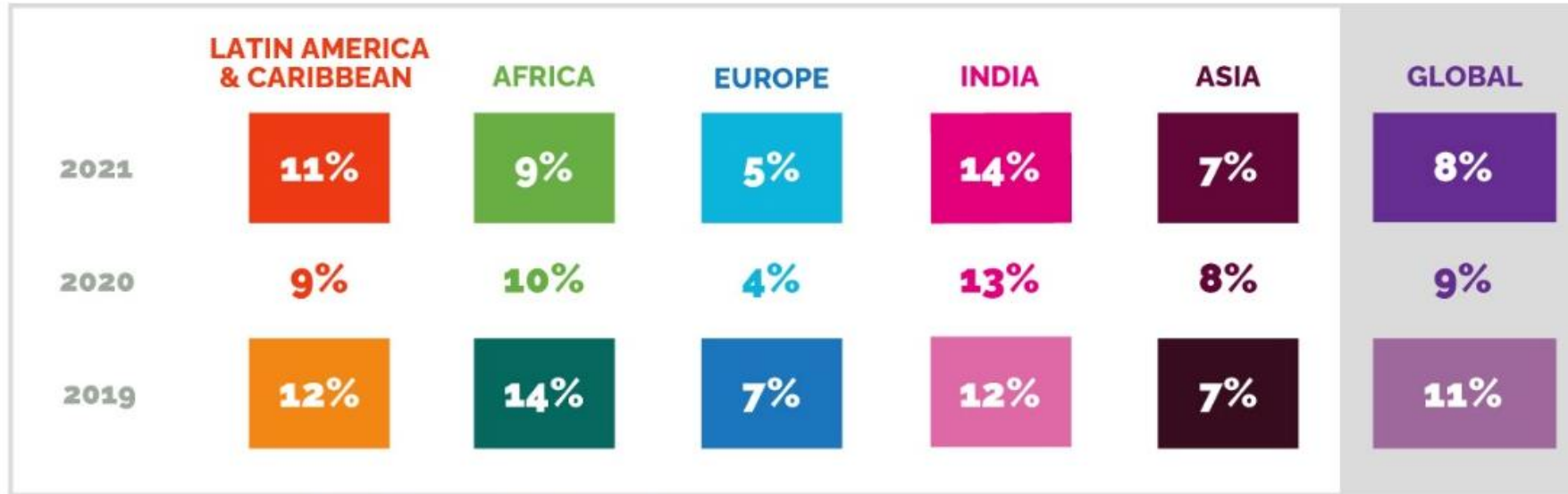
Clients who became NLIC and those LTFU, among all clients



Europe bureau had the least proportion of LTFU among all NLIC at 14%.

# Benchmark 8: Retention. Global Program by Bureau. Trend LTFU 2019-2021

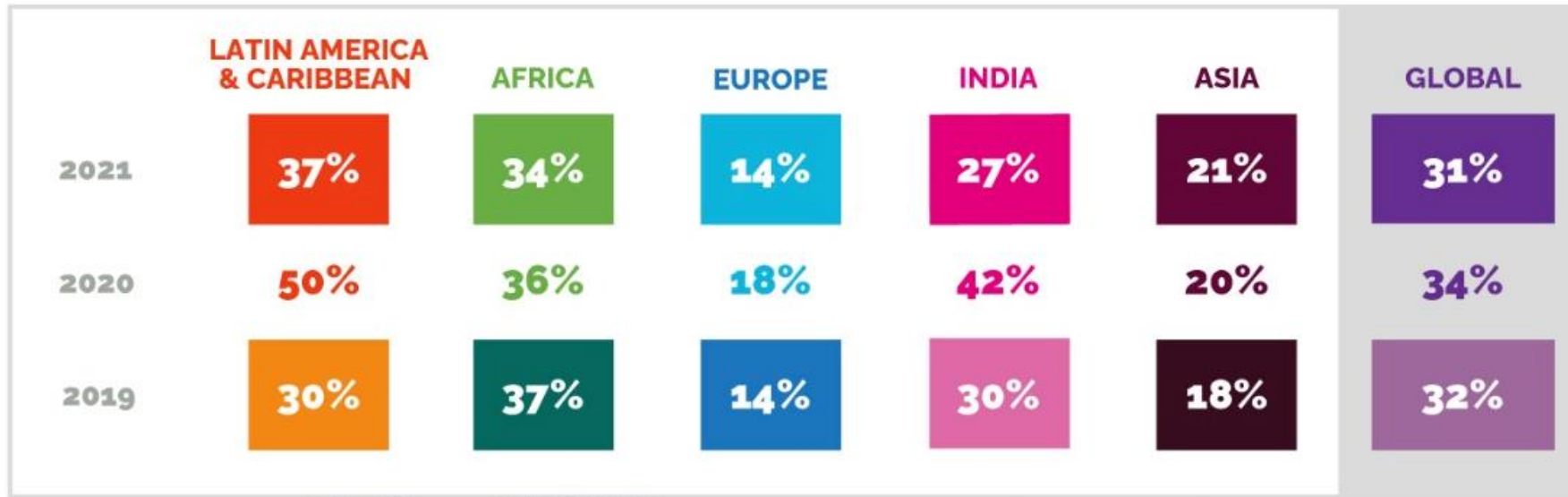
Proportion among all clients active in care, who became LTFU



Proportion LTFU among all clients in care for the Global Program has been on a decline in the past three years.

## Benchmark 8: Retention. Global Program by Bureau. Trend LTFU 2019-2021

Proportion among clients No-Longer-in Care (NLIC), who became LTFU

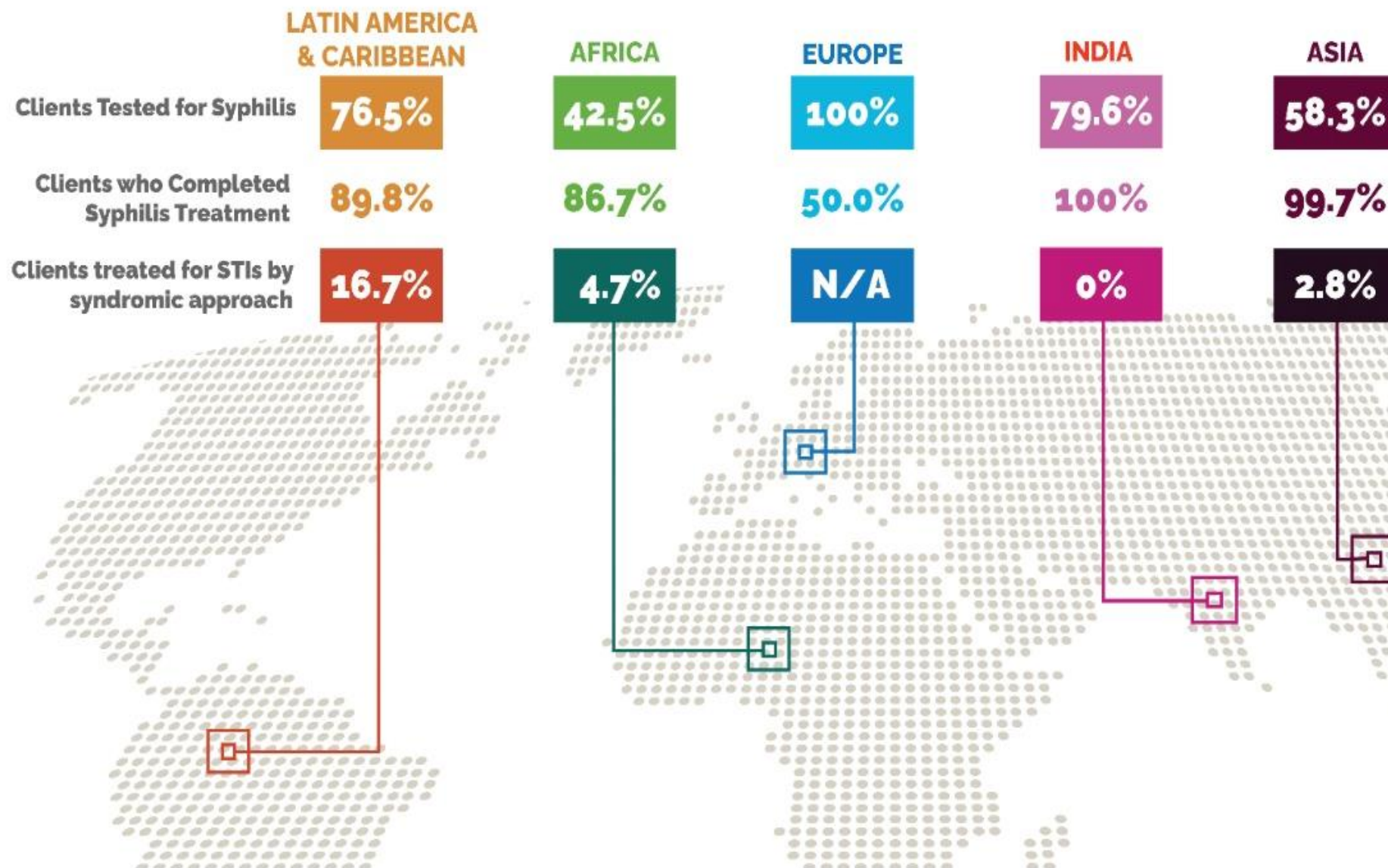


Proportion LTFU among NLIC clients in the Global Program decreased slightly for Africa and India and rose for Latin-America & Caribbean and Asia Bureaus



# Benchmark 9: Syphilis Testing & Treatment 2021

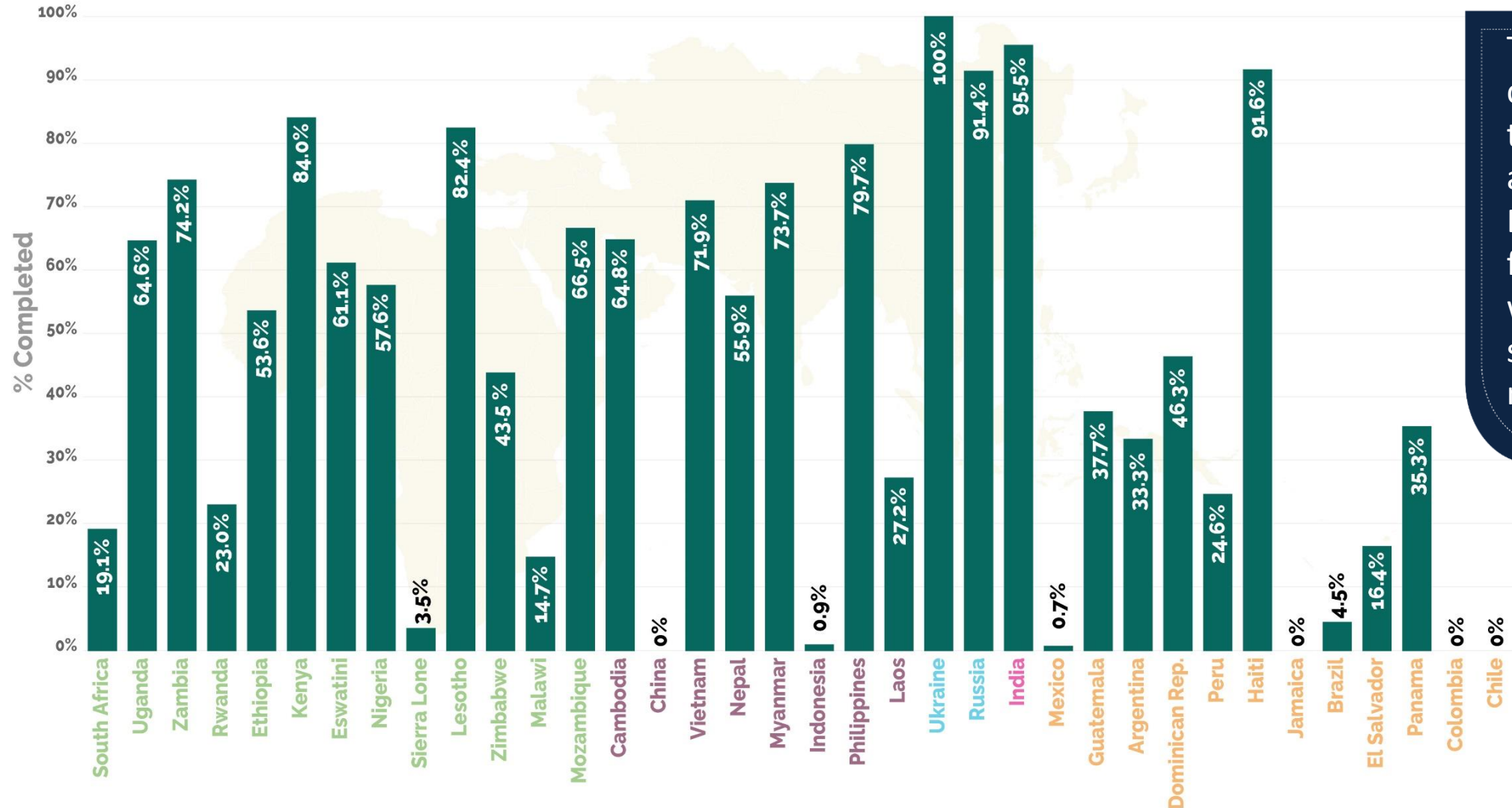
## Proportion of Clients treated by Syndromic Approach



All clients that tested positive for syphilis in India bureau completed treatment.

# Benchmark 10 – TB Preventive Therapy – 2021 by Country

Proportion of HIV-Positive Clients, who were initiated on a Standard Course of TPT, that completed the course.

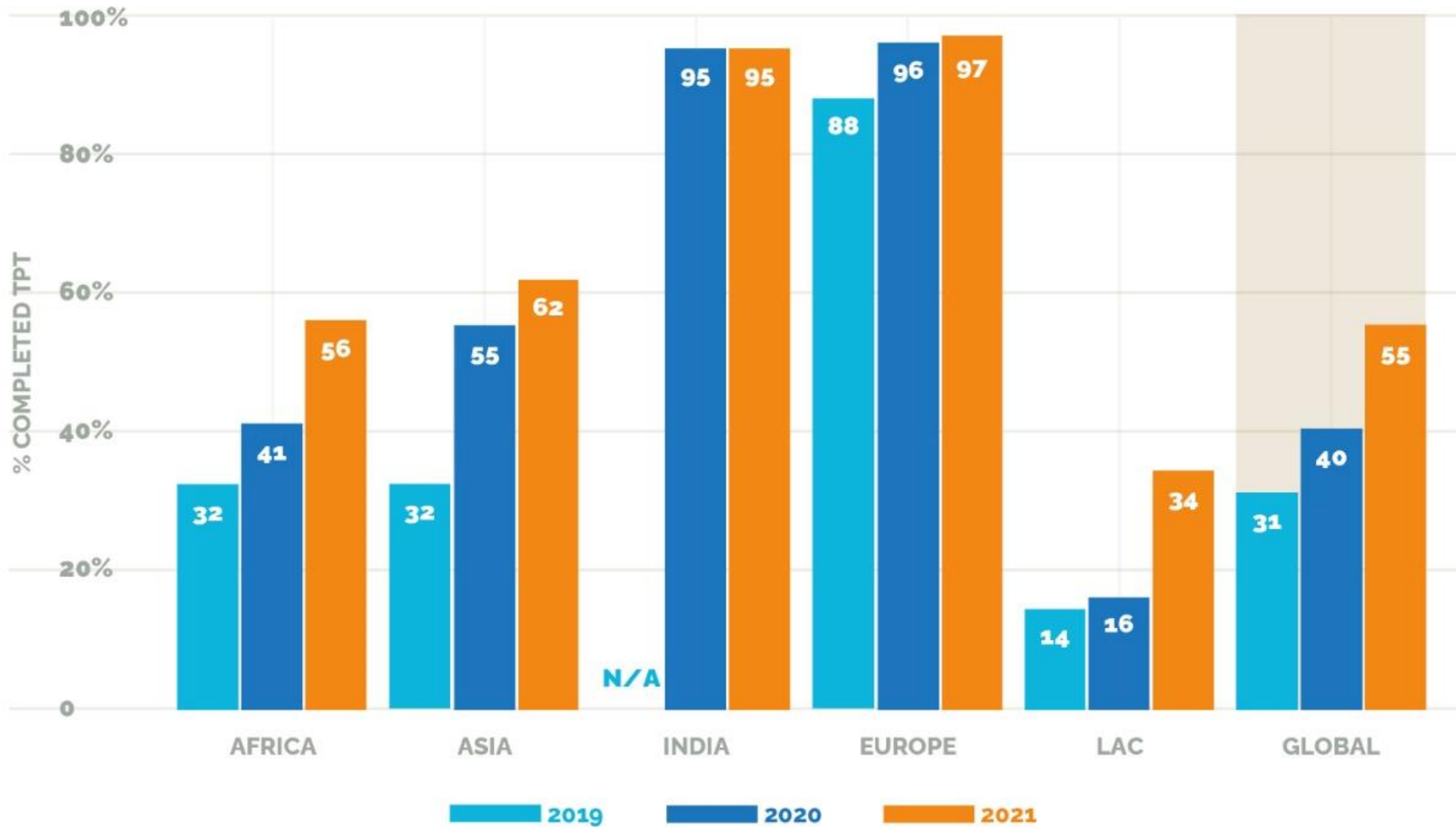


TPT completion is collected as part of the annual chart audit at site-level. Data is presented for countries where TPT is a standard recommendation



# Benchmark 10 – TB Preventive Therapy - Trend 2019-2021 by Bureau

Proportion of HIV-Positive Clients, who were initiated on a Standard Course of TPT, that completed the course.

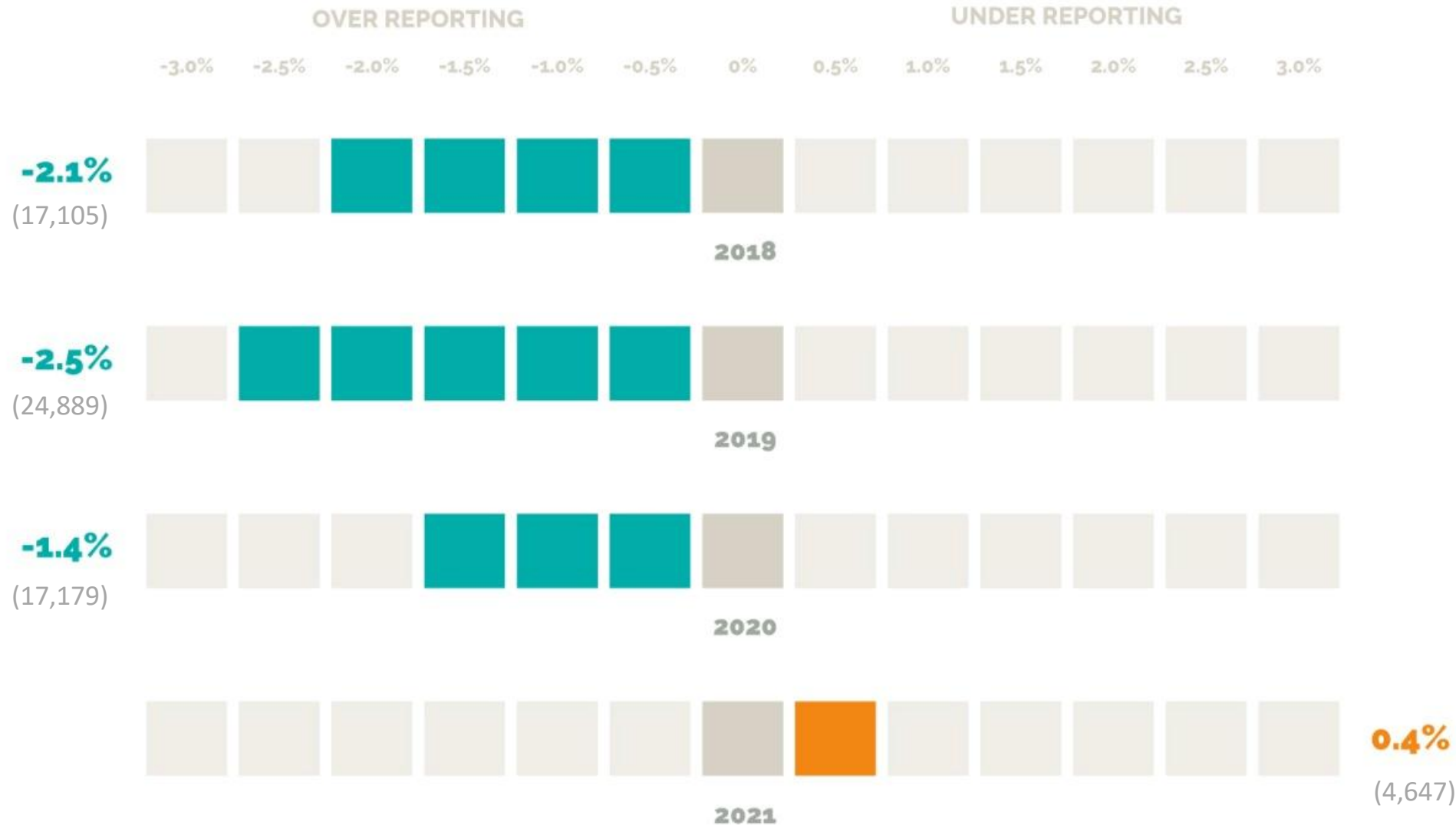


TPT completion is collected as part of the annual chart audit at site-level.

TPT completion improved across all bureaus the past three years.

# Medical Record /Chart Audit Global Program - 2021

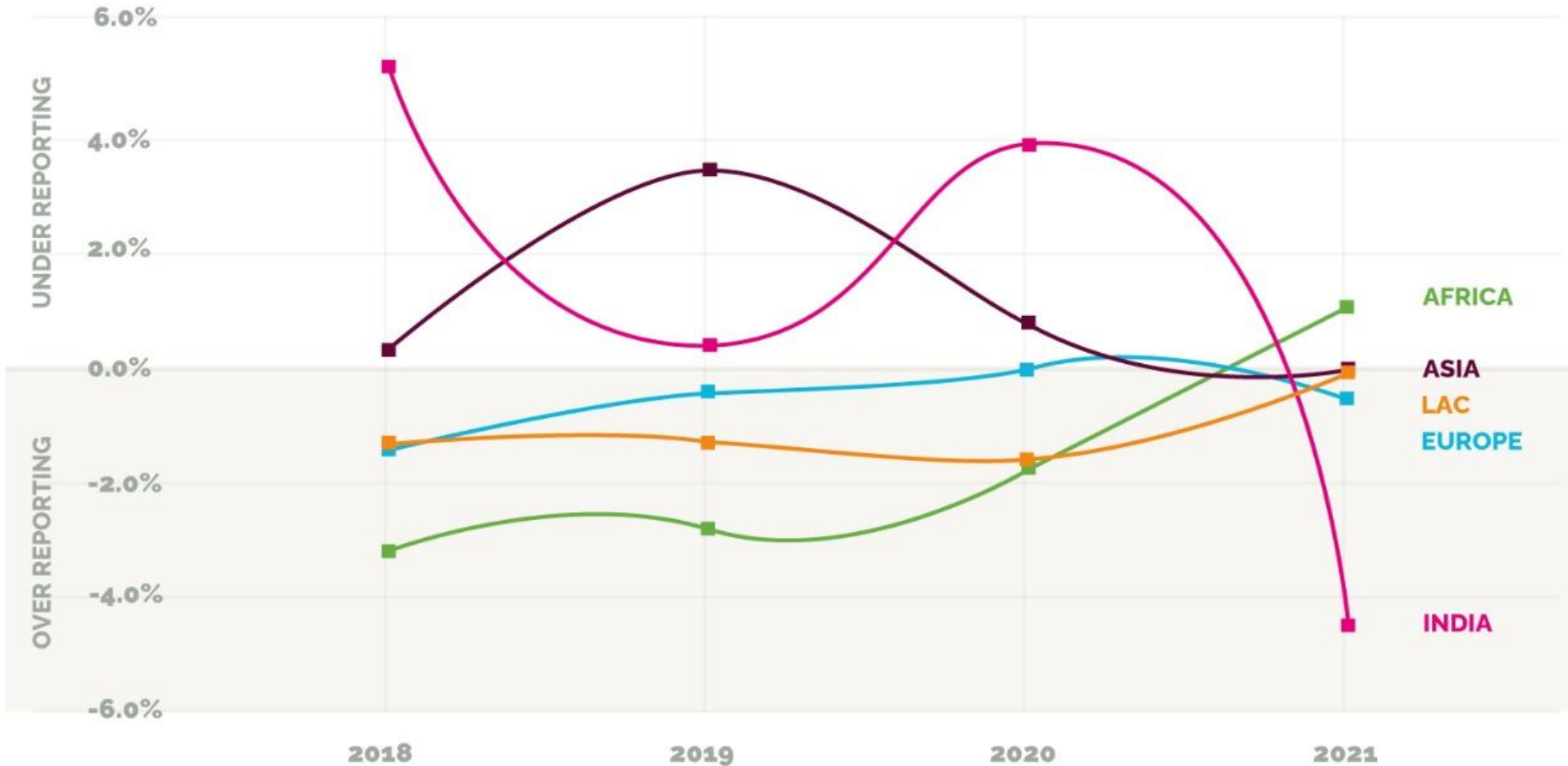
## Summary Outcomes 2018-2021



Global census increased by 0.4% in 2021 due to under-reporting of clients in care.

# Medical Record /Chart Audit Global Program - by bureau

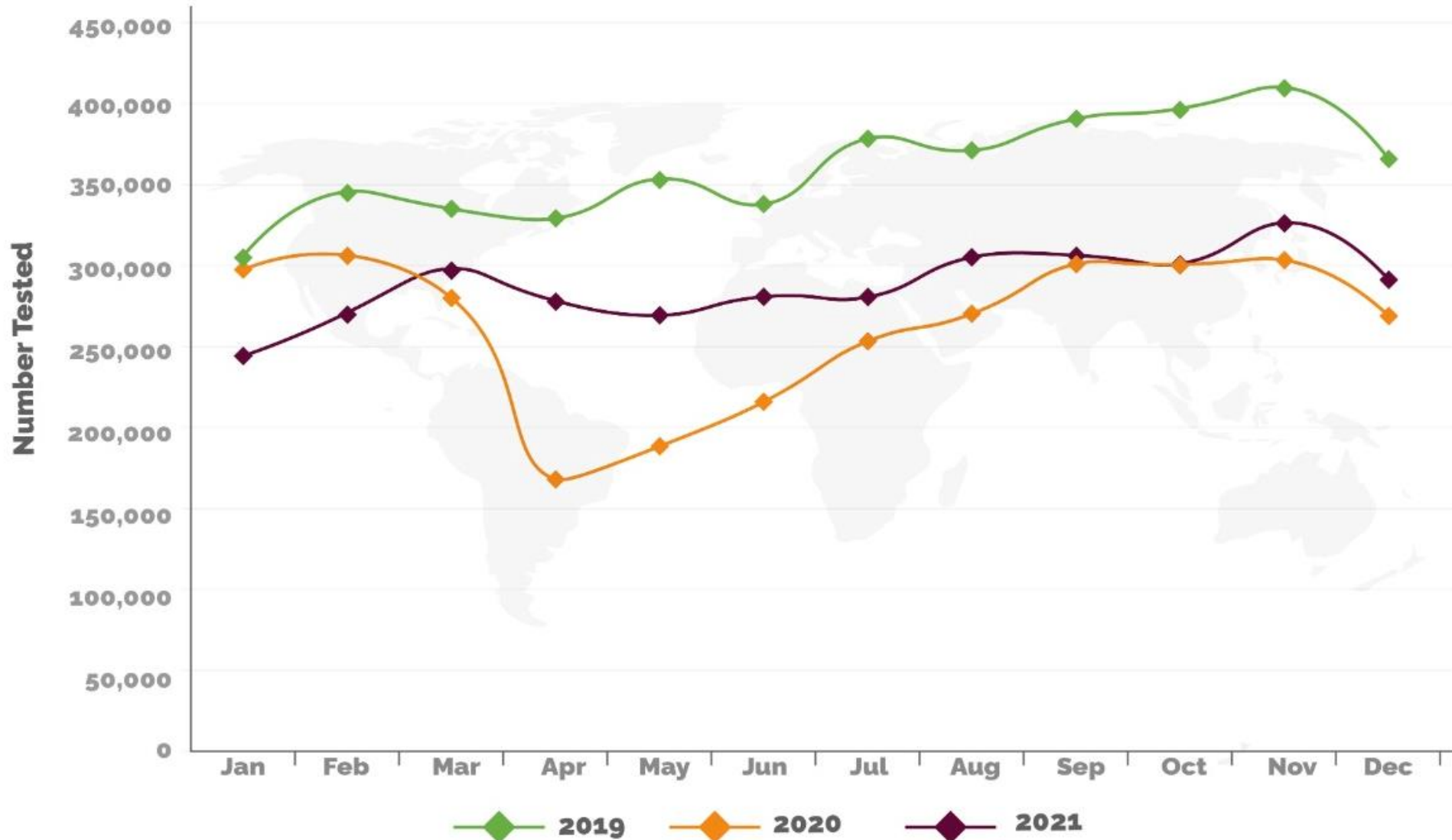
## Trend outcomes 2018-2021



Africa and Latin America & Caribbean Bureaus saw sustained improvement in chart audit outcomes in the past 4 years

# Global Program - Impact of Covid-19 on HIV Testing

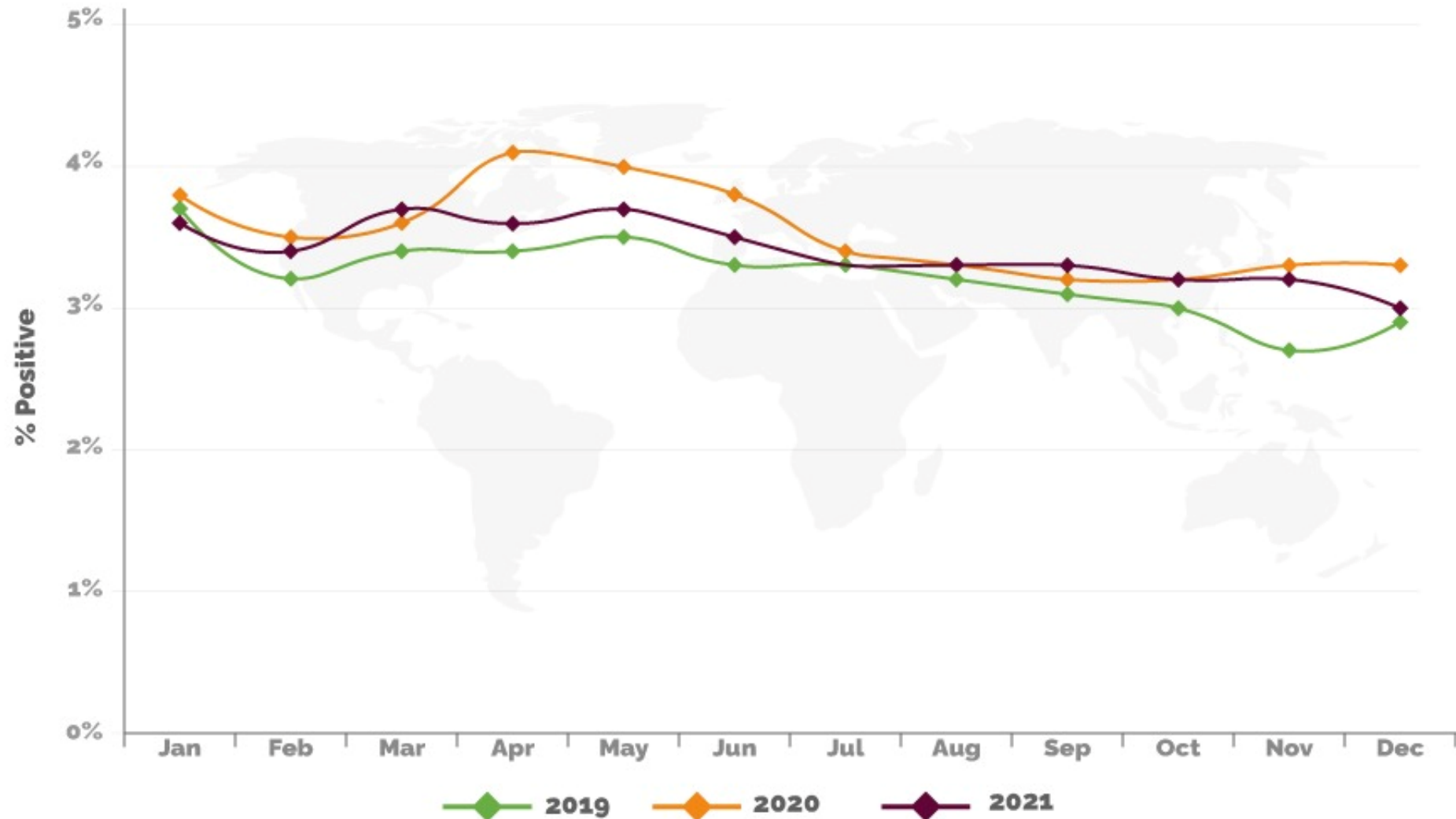
## Number of clients tested, by Month 2019-2021



Number of clients tested grew in first three months of 2021 then decreased slightly and stabilized. In December, a marked drop was seen in all 3 years.

# Global Program: Impact of Covid-19 on HIV Test Positivity Yield

## Positivity ratio by Month - 2019-2021)



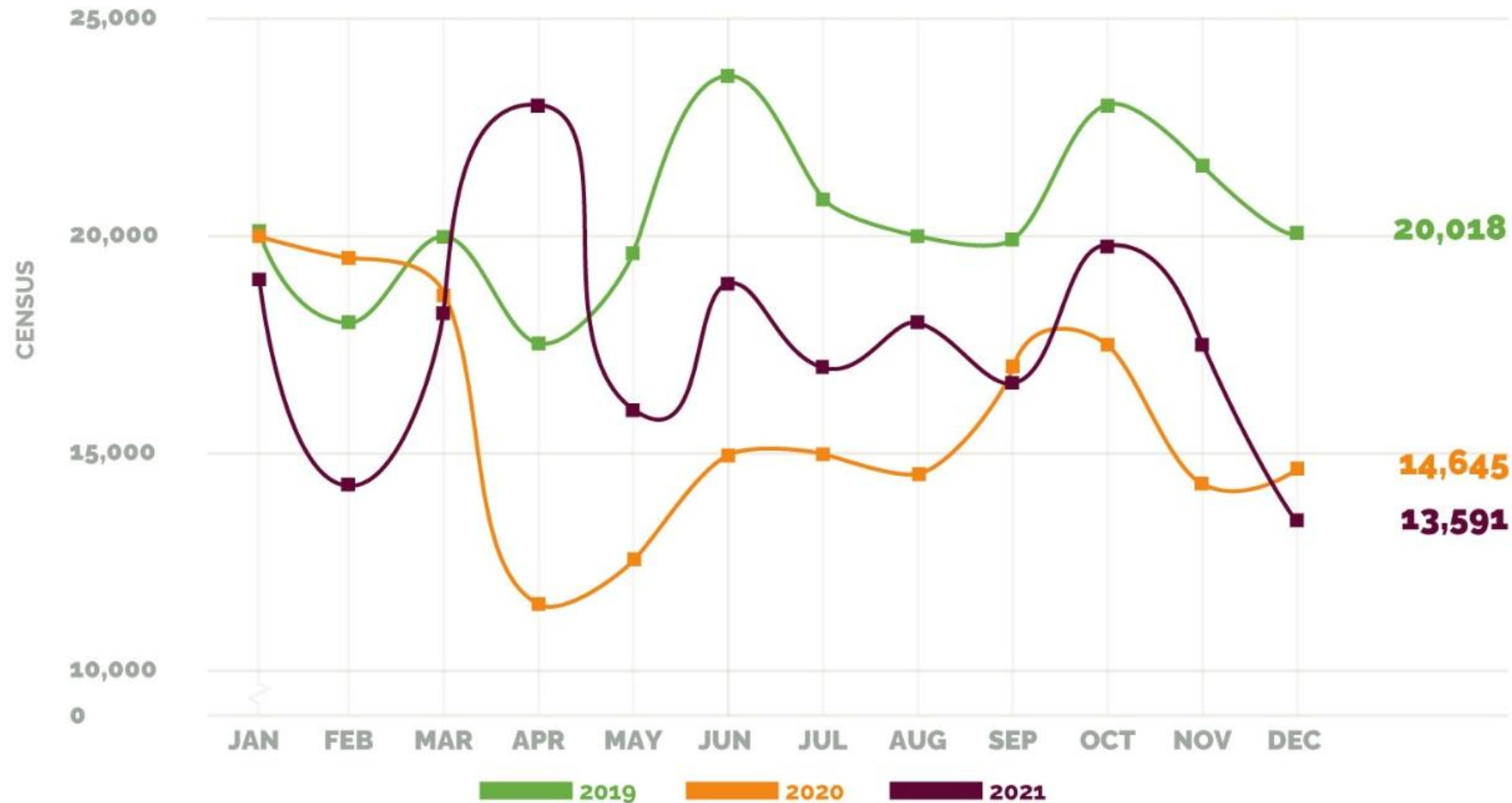
Test-positivity inversely follows the total numbers tested: more testing, lower positivity.

Reasons may be better targeting, and during Covid, only ill or high risk clients coming for testing.



# Global Program: Impact of Covid-19 on Enrollments

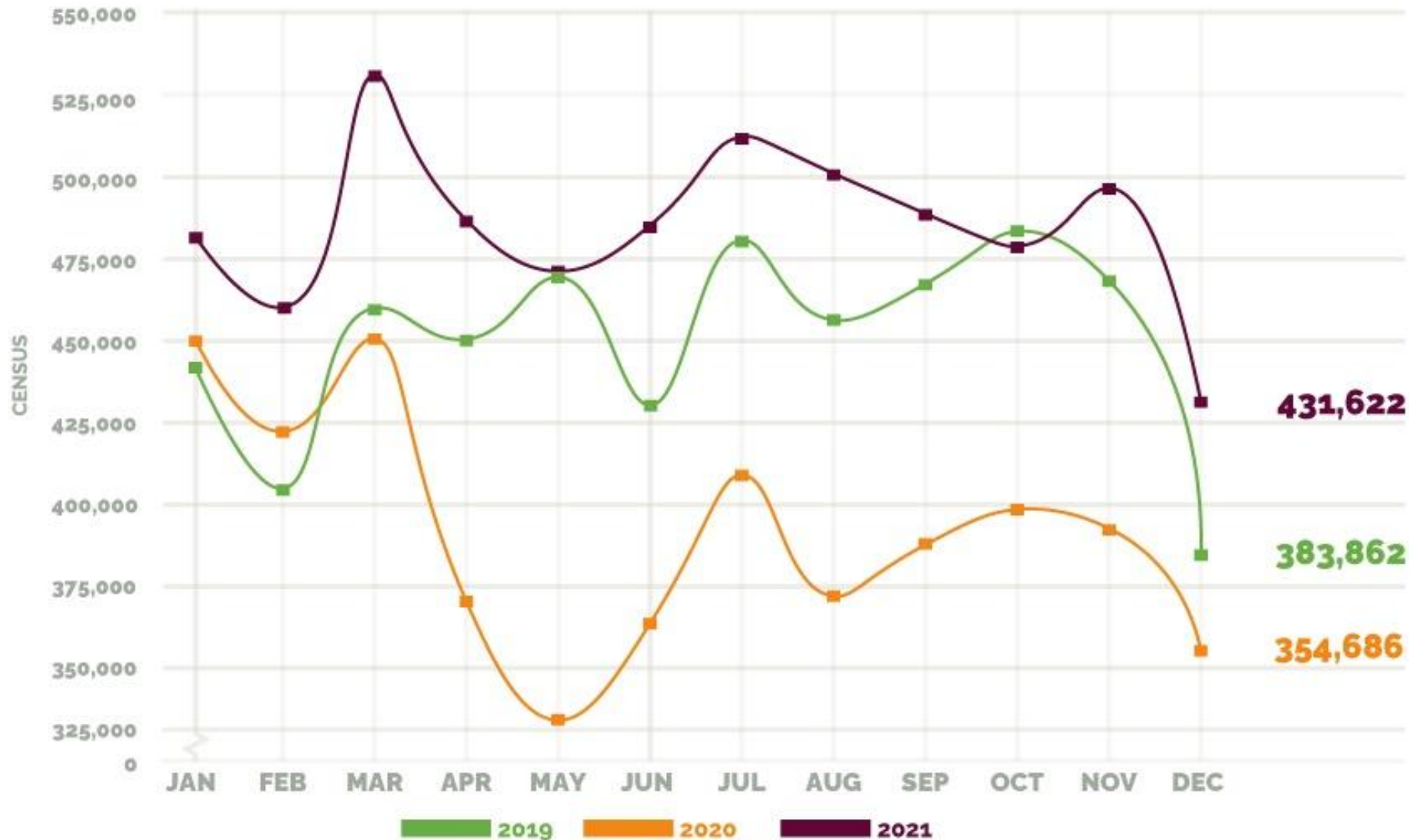
## Cumulative Enrolments into HIV Care, by Month (2019-2021)



The number of clients enrolled dropped significantly in Quarter 2 in 2020 and again at the end of Quarter 3 in all the three years.

# Global Program: Impact of Covid-19 on Client Consultations

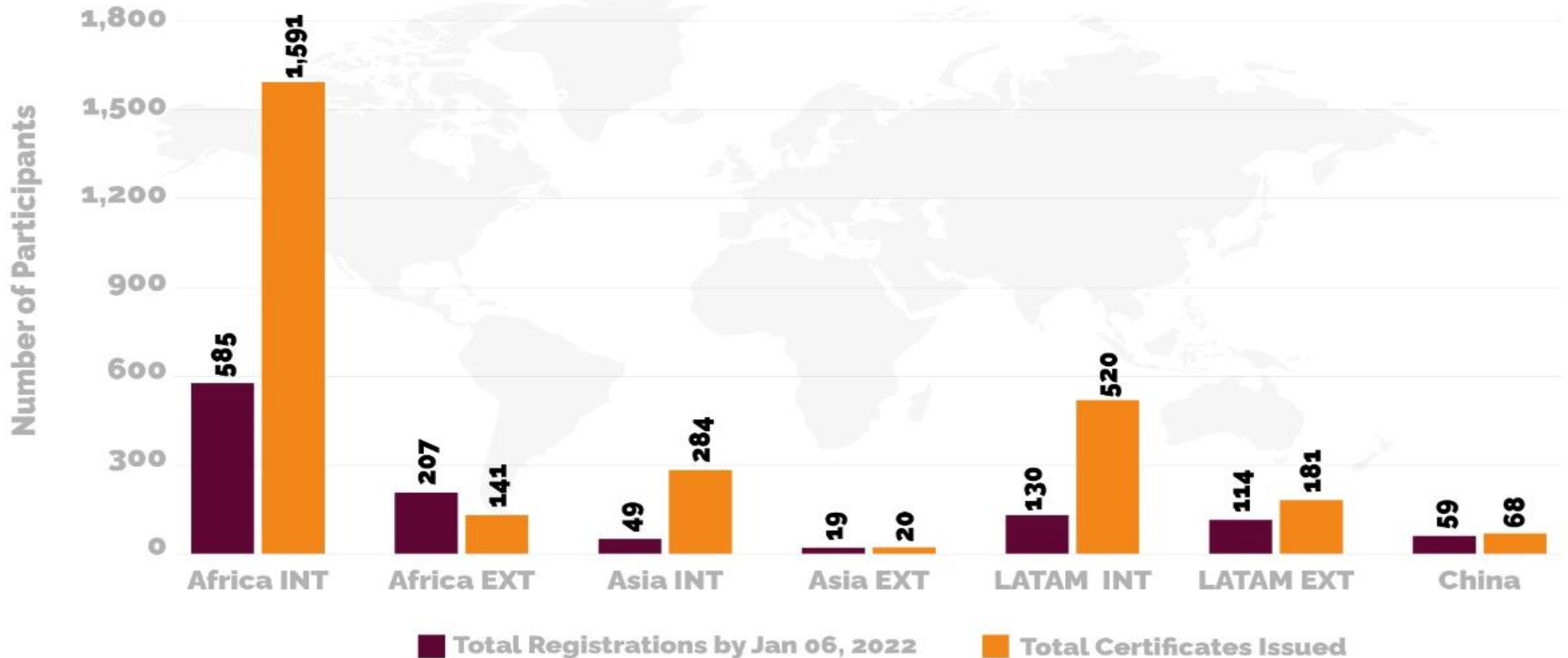
## Client Consultations by service providers by Month 2019-2021



The first 8 months in both 2020 and 2021 had an almost similar trend for client consultations.

# CME – Ehealthacademy 2021

## Overview of the Bureau achievements of AHF HCWs in e-learning



Note: INT = AHF Staff

EXT = Non-AHF Staff

# CME – Ehealthacademy 2021

## AHF Live Clinical Case discussions

COVID/19 in advanced HIV disease

treatment failure

adherence problems

Kaposi sarcoma

2021 WHO guideline

diagnosis of HIV in children

resistance development

opportunistic CNS infections

Overview of the Bureau achievements of AHF HCWs in Online Case Discussions 2021

Online Case Discussions 2021	Participants	Total number Case Discussions
Asia Bureau	170	10
Africa Bureau North group 1	102	6
Africa Bureau North group 2	88	6
Africa Bureau South	130	7
Total Certification in CME hours	980	58

- Full attendance to one session was awarded with 2 AHF CME credit hours.
- Individual certificates are issued on a yearly basis with number CME hours based on the number of fully attended sessions.
- In total 980 CME hours were awarded, 640 hours to Africa- and 340 hours to Asia Bureau participants


# Global Program - Articles published in peer-reviewed journals - 2021

Received: 2 July 2021 | Accepted: 9 September 2021

DOI: 10.1111/hiv.13180

## ORIGINAL RESEARCH

### Impact of coronavirus disease (COVID-19) on HIV testing and care provision across four continents

Fernanda Rick<sup>1</sup>  | Wilfred Odoke<sup>1</sup> | Jan van den Hombergh<sup>1</sup> | Adele S. Benzaken<sup>1</sup> | Vivian I. Avelino-Silva<sup>1,2</sup> 


Krabbenborg et al. *AIDS Res Ther* (2021) 18:34  
<https://doi.org/10.1186/s12981-021-00357-9>

## AIDS Research and Therapy

### RESEARCH

### Open Access

### Community-based HIV testing in The Netherlands: experiences of lay providers and end users at a rapid HIV test checkpoint

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### Original Article

### Impact of COVID-19 on income, prevention attitudes, and access to healthcare among male clients in a Sexually Transmitted Infections clinic



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## **Global Medical, Quality and HMIS Teams Core Objective**

To be assured, through data and evidence,  
that every AHF patient is receiving  
an excellent standard of care

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