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HIV/AIDS

Pandemic: statistic and solutions

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What is HIV ?

The human immunodeficiency virus (HIV) infects cells of the immune system, destroying or impairing their function. Infection with the virus results in progressive deterioration of the immune system, leading to "immune deficiency."

What is AIDS?

Acquired immunodeficiency syndrome (AIDS) is a term which applies to the most advanced stages of HIV infection.

History

1920 - studies concluded that the first transmission of SIV to HIV in humans took place around this year (Democratic Republic of Congo)

1960 - subtype of HIV-1 had made its way to Haiti

1980 - USA recognize the new health condition

1982 - the 'disease' named AIDS

2017 - according UNAIDS **36.9 million** HIV + people worldwide

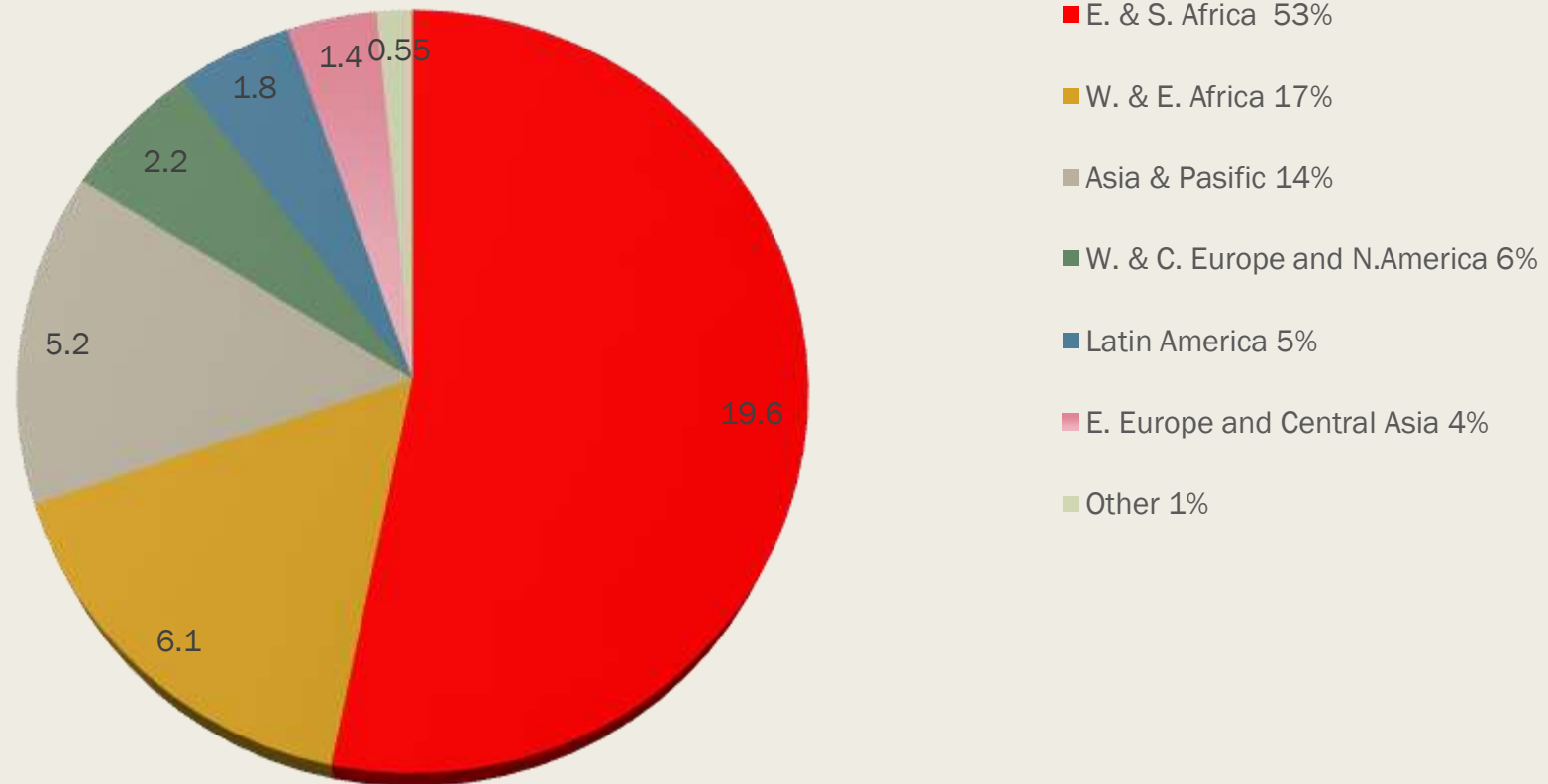


GLOBAL

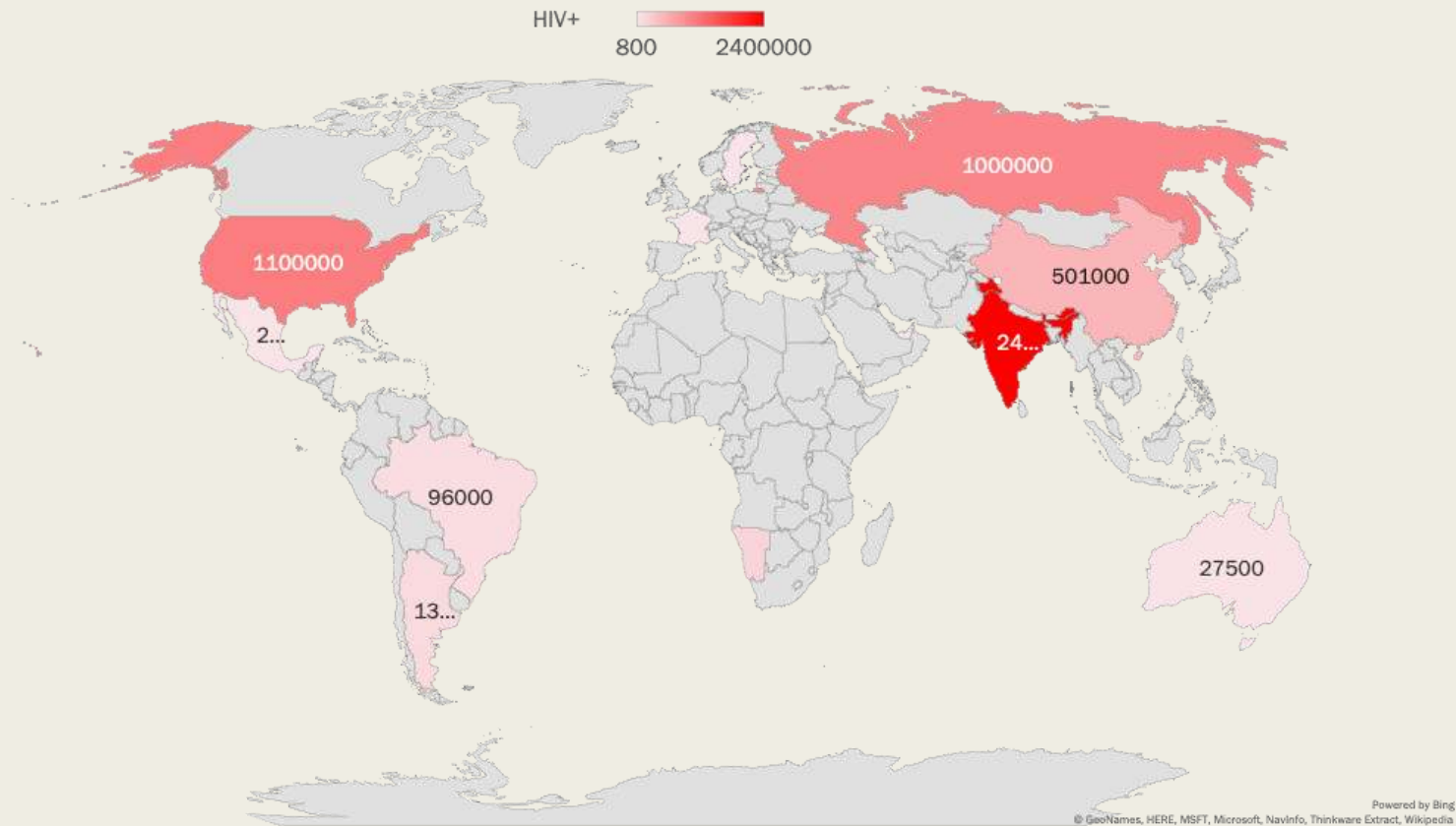
Number of people living with HIV 2017

36.9 million

People (million)

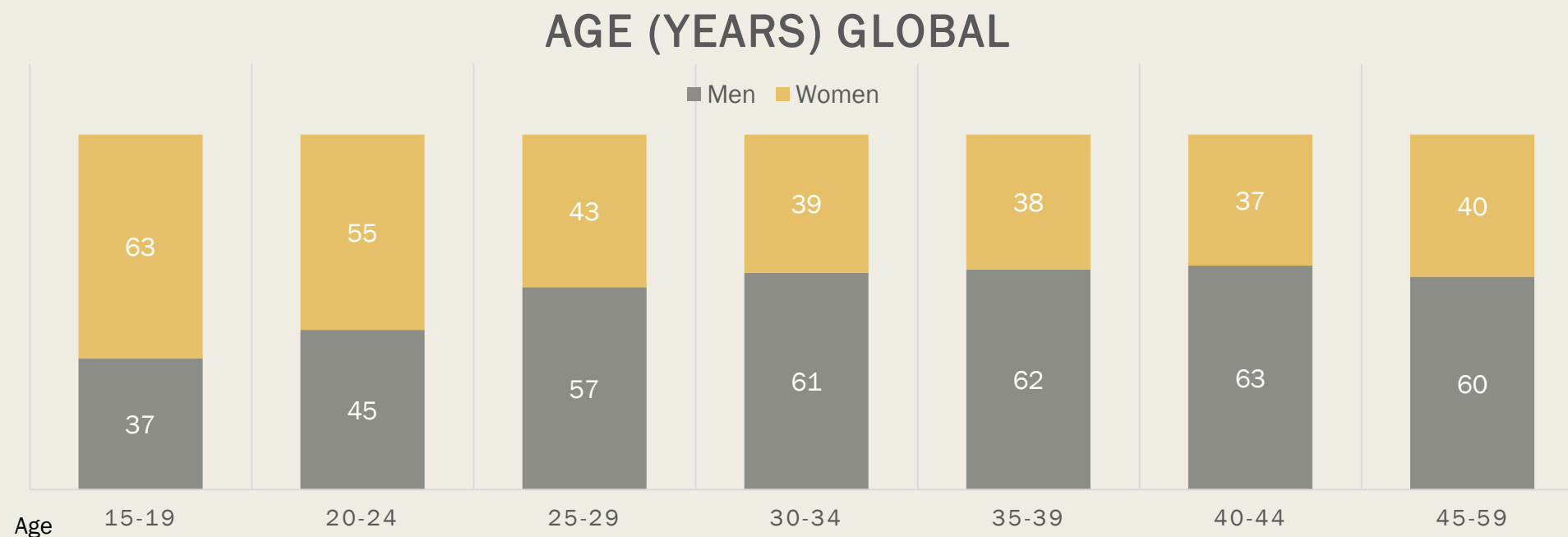


HIV population per country. 2017

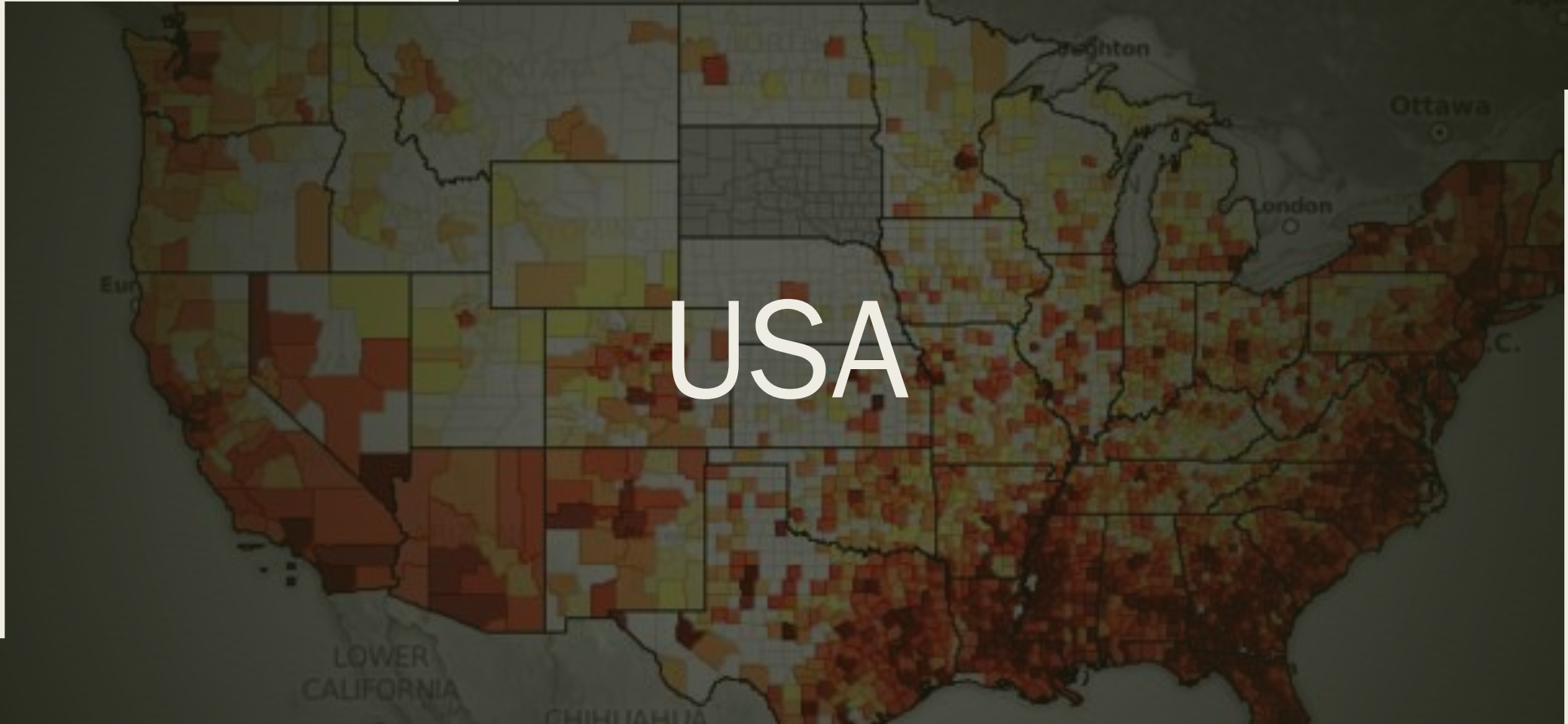


Proportion of New HIV infections by sex globally

1.8 million children worldwide living with HIV (0-15)

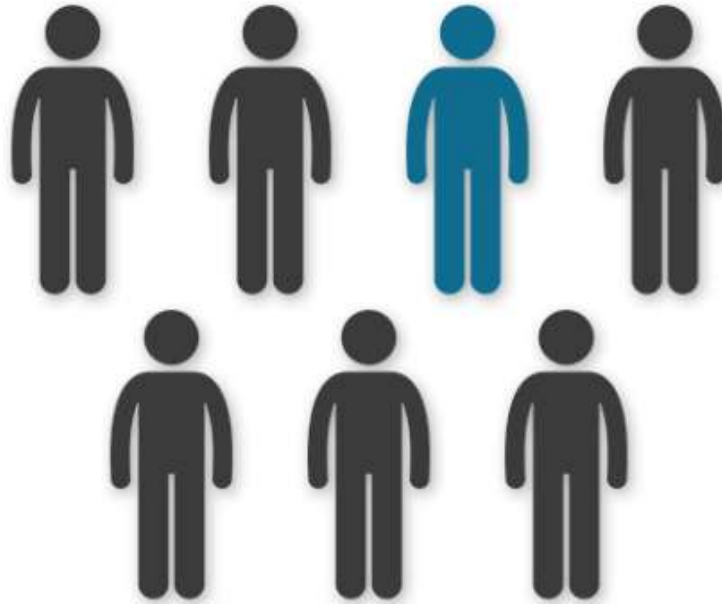


USA



USA **1.1** million HIV +

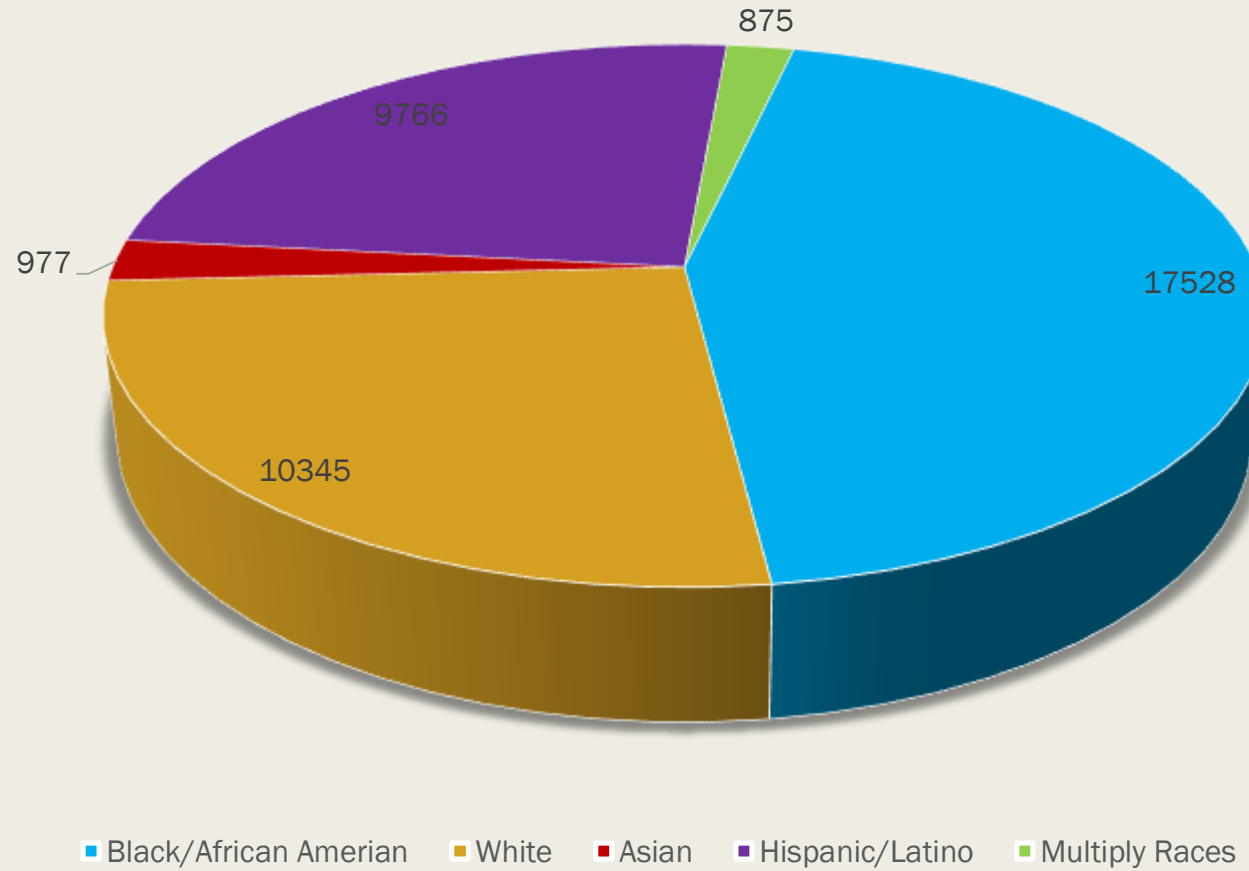
1 in 7 living with HIV



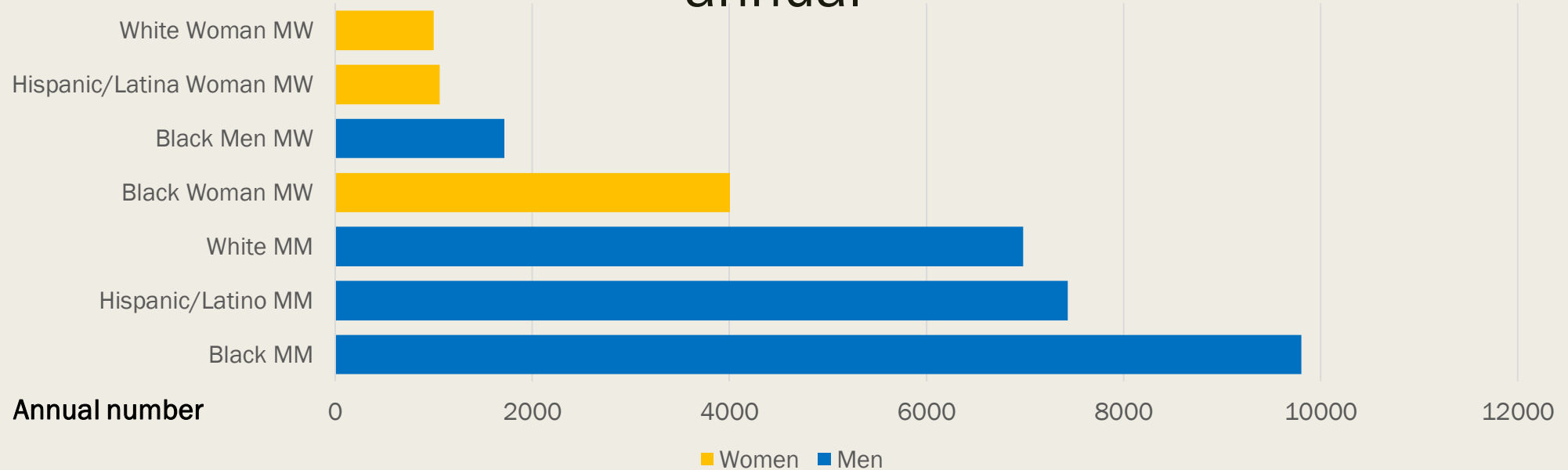
are **unaware** of their infection.

USA Number of new HIV infections by race and ethnicity 2016

Number of diagnoses of HIV



HIV diagnoses in the USA and Dependent Areas 2012-2016 annual



Of the 38 736 new HIV diagnoses in the US and dependent areas 2017

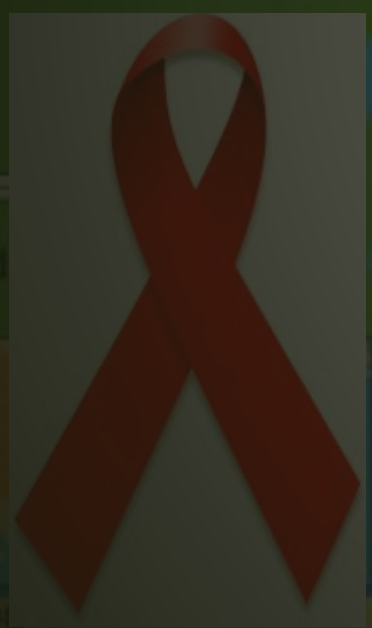
25748 (66%) gay
and bisexual men

9170 (24%)
heterosexuals

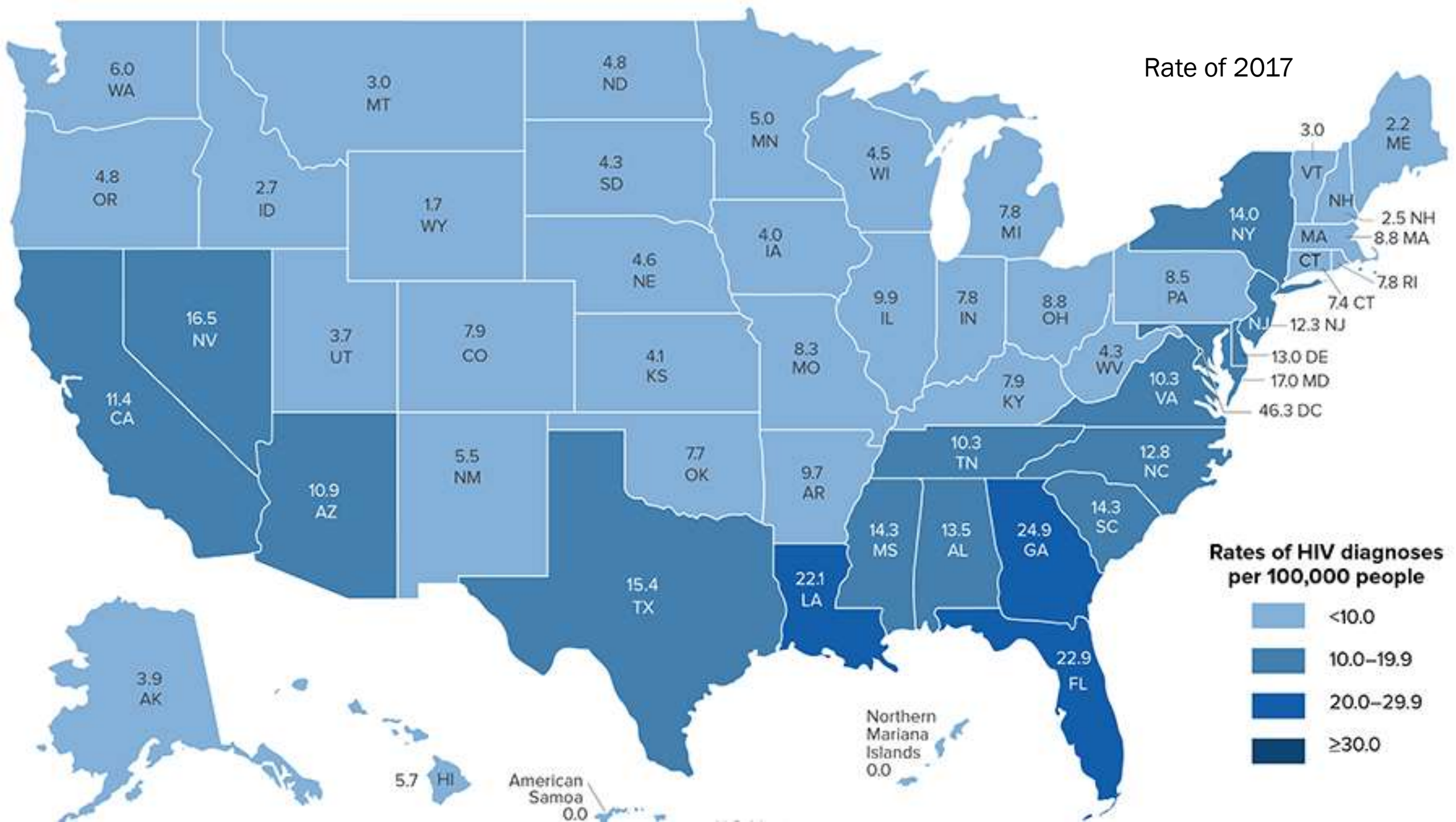
2389 (6%)
Inject drugs

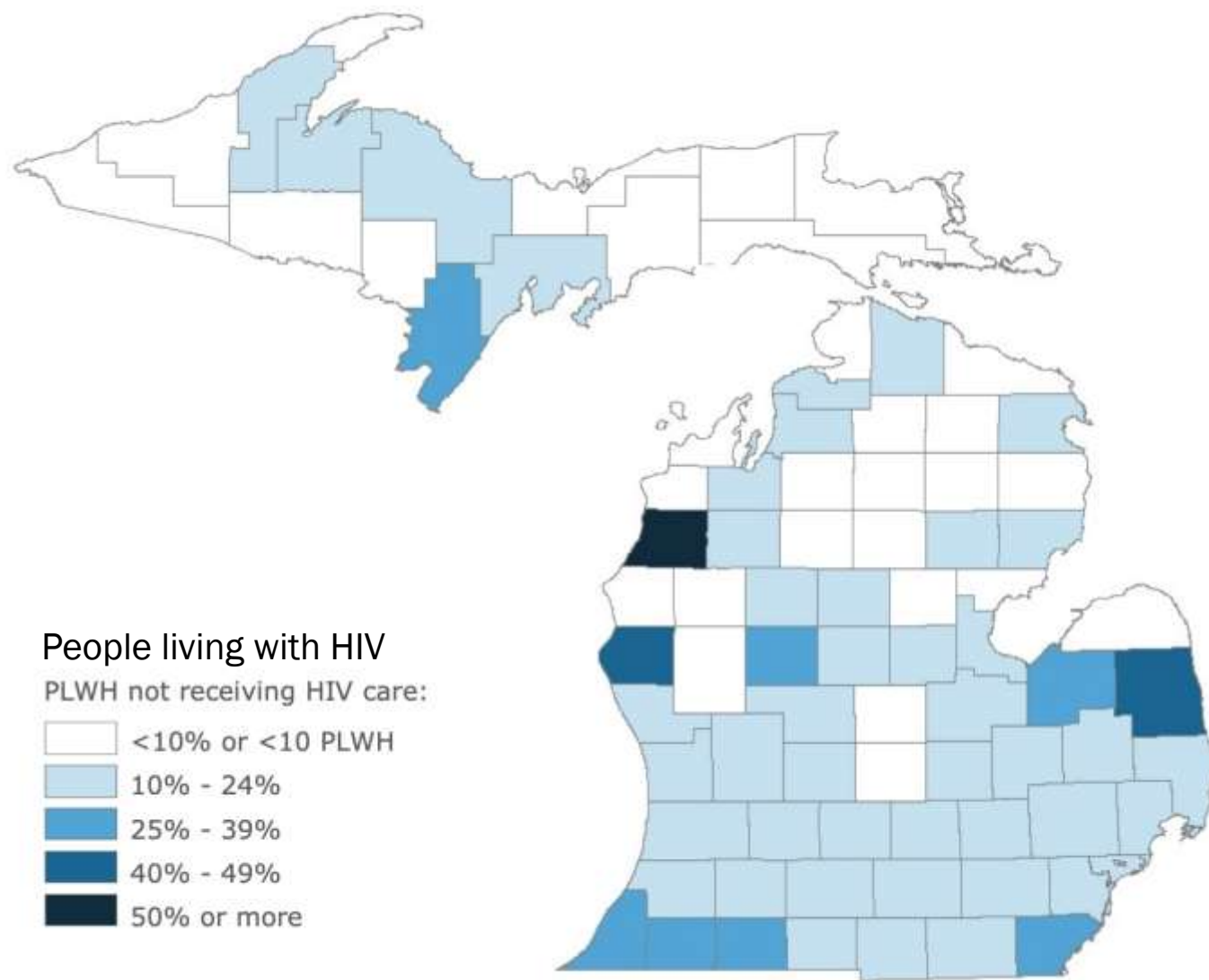
1252 (3%)
Gay and bi +
inject drugs

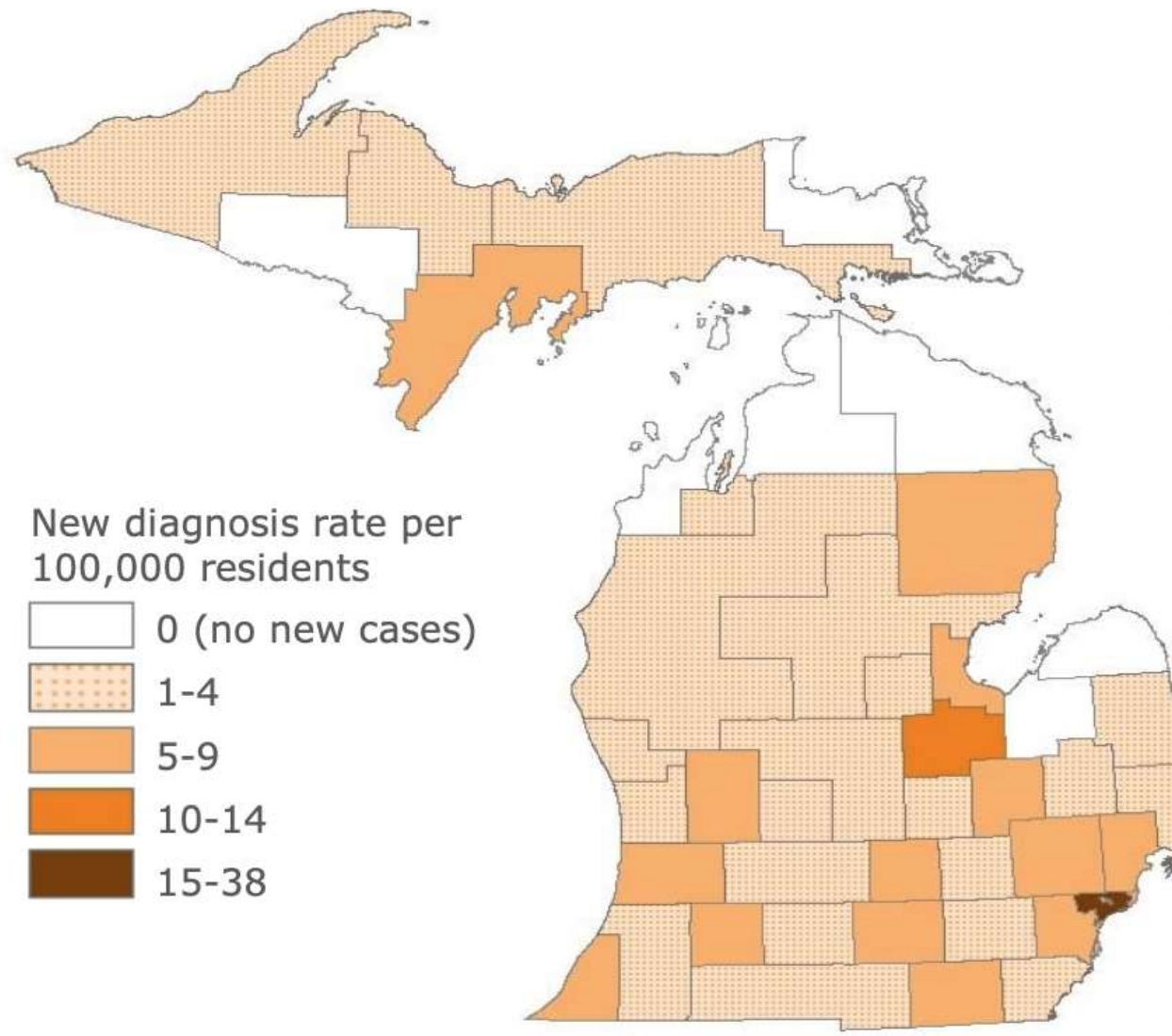
Michigan



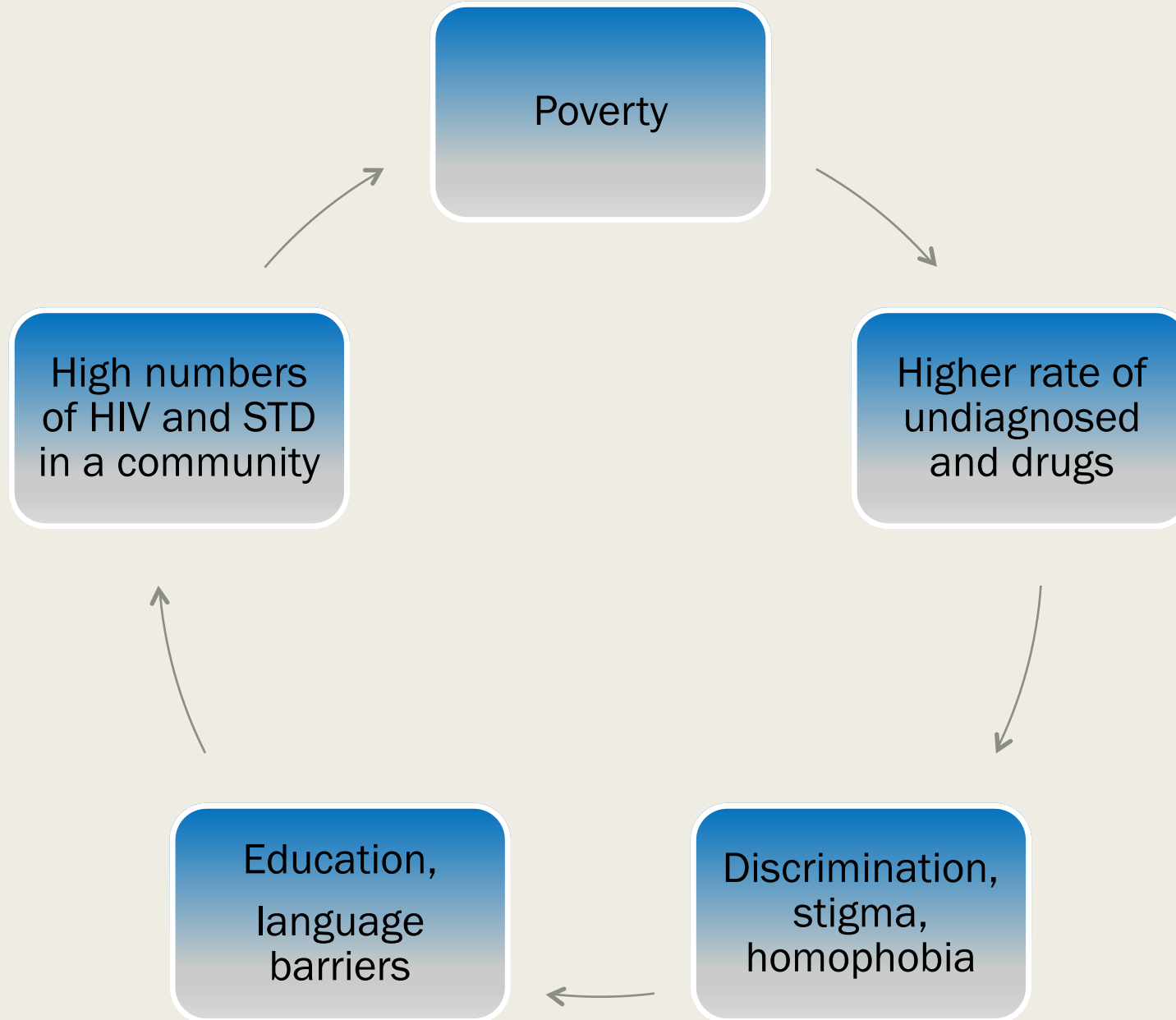
Rate of 2017





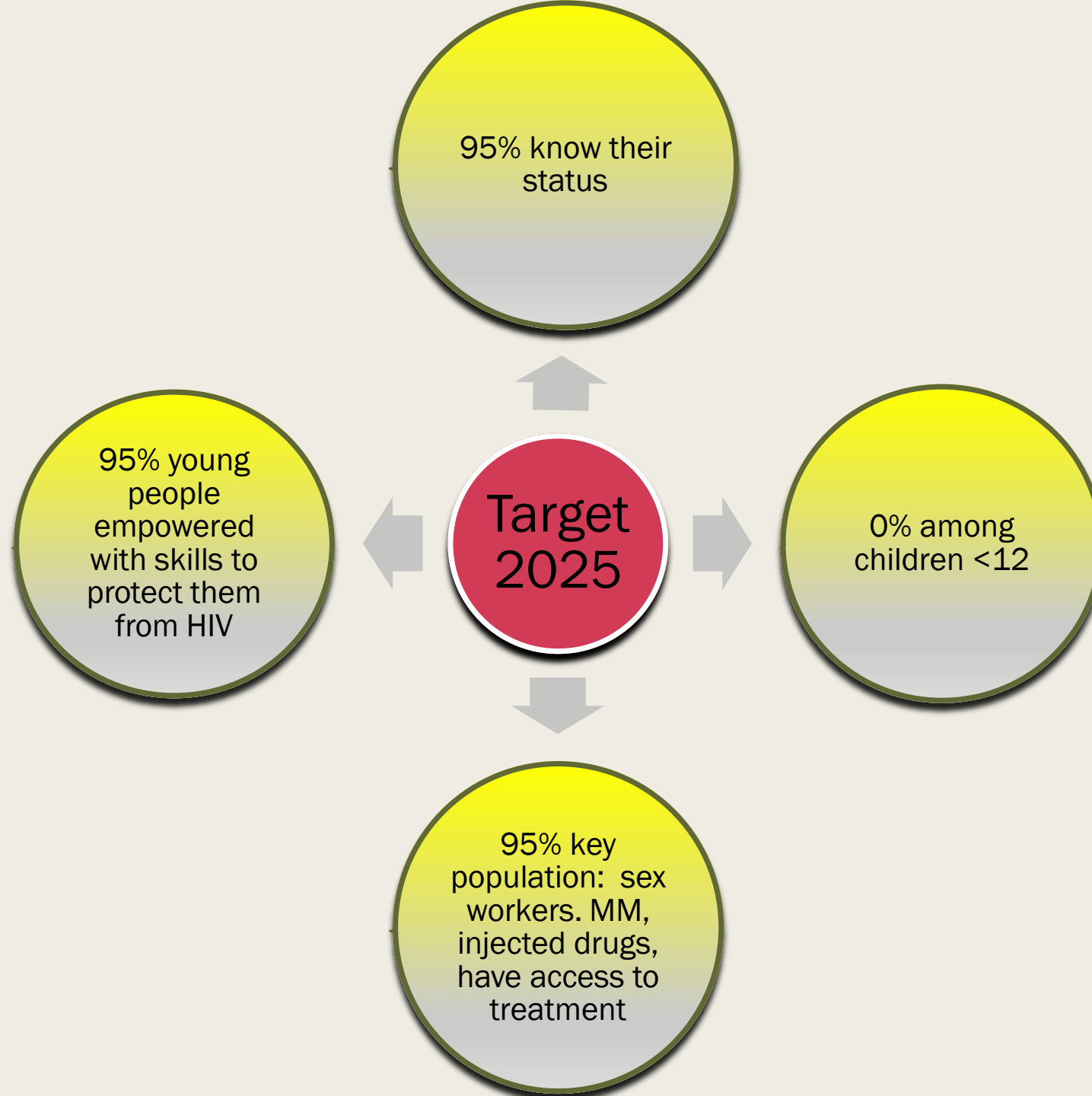


Socioeconomic factors affecting HIV risk



A dark blue world map is centered in the background. Overlaid on the map are two white L-shaped brackets. One bracket is in the top-left corner, and the other is in the bottom-right corner. They are positioned such that they appear to frame the central text.

Goals & Solutions





35%

Decrease in new HIV
infections since 2000

42%

Decrease in AIDS-related
deaths since 2004

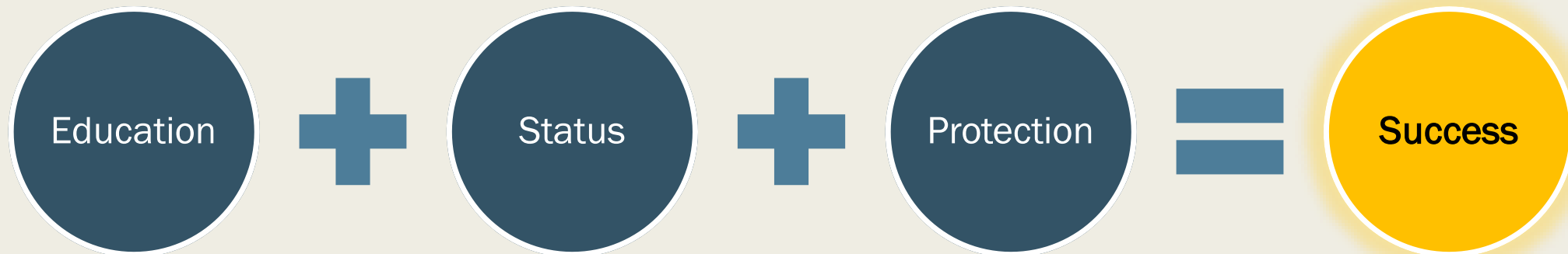
Improvements

58%

Decrease in new infection
among children since 2000

84%

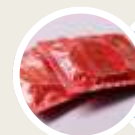
Increase in access to
antiretroviral therapy since
2010



Family



Free test



Contraceptive



School



School test



PREP



Medicine



24/7 test



ZERO drugs

What is **PrEP**, or Pre-Exposure Prophylaxis?



Pre = before



Exposure = coming into
contact with HIV



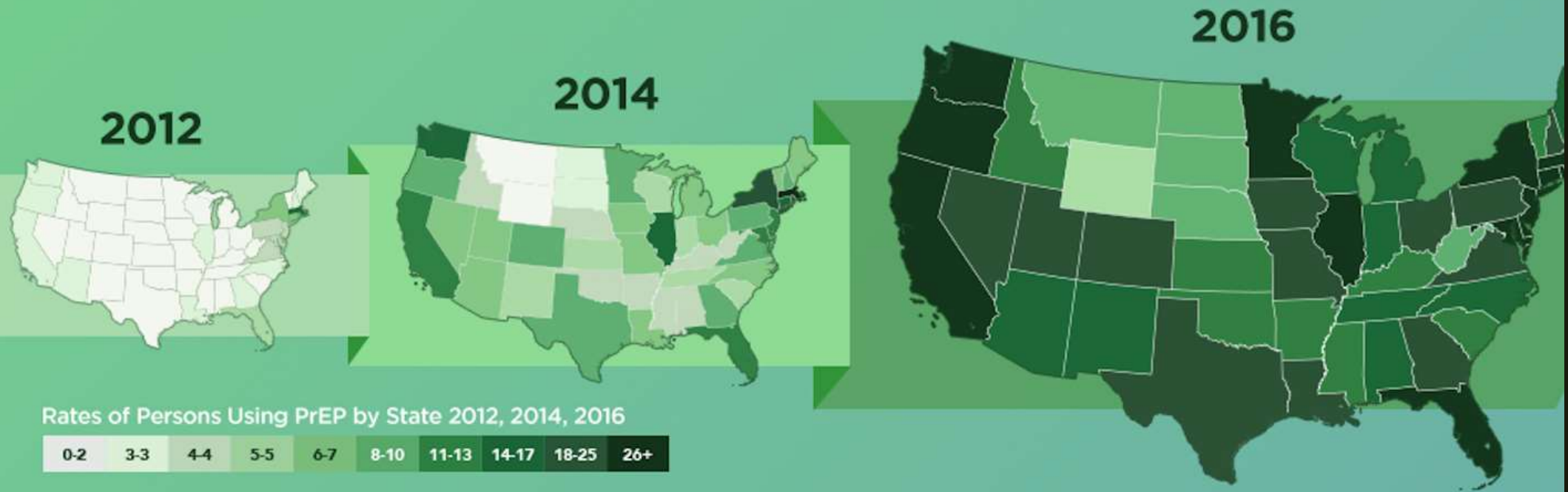
Prophylaxis = treatment to
prevent an infection
from happening



Approximately **1.2 MILLION PEOPLE** are at high risk for
HIV and could benefit from comprehensive HIV prevention
strategies, including **PrEP**

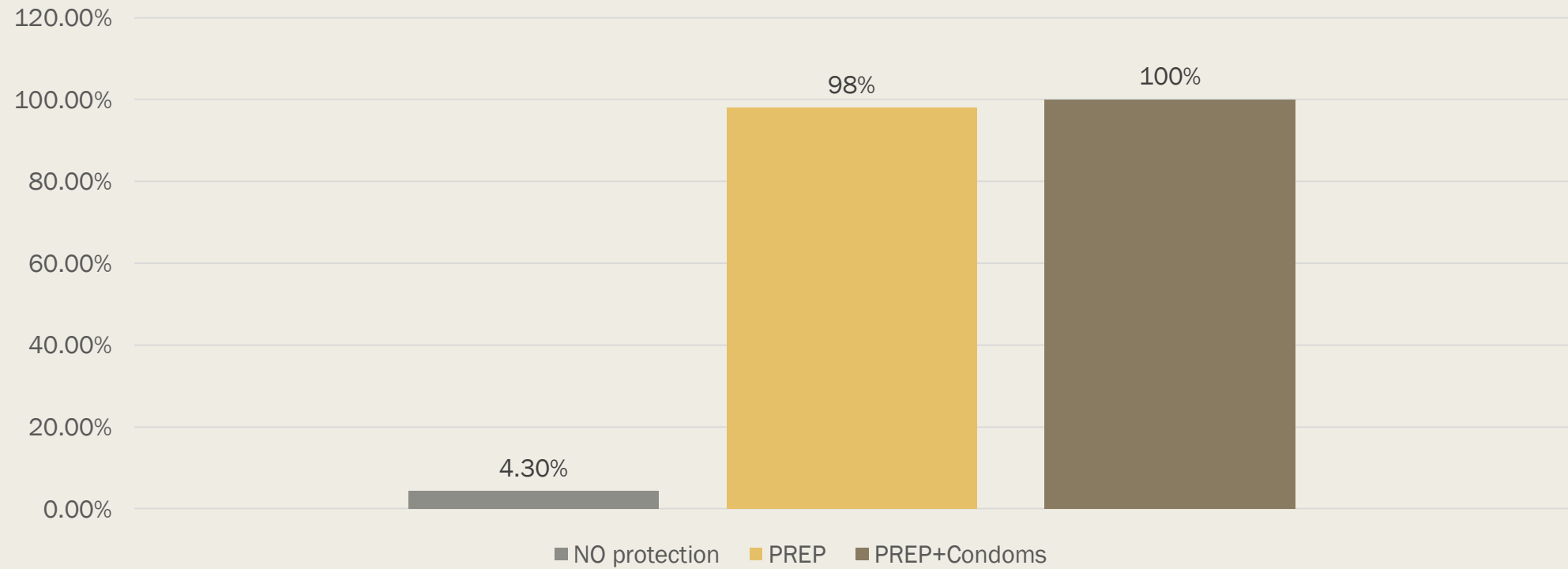
PrEP is when people at high risk for HIV take HIV medicine daily to lower their chances of getting infected

There were over **77,000 PrEP users** in 2016.



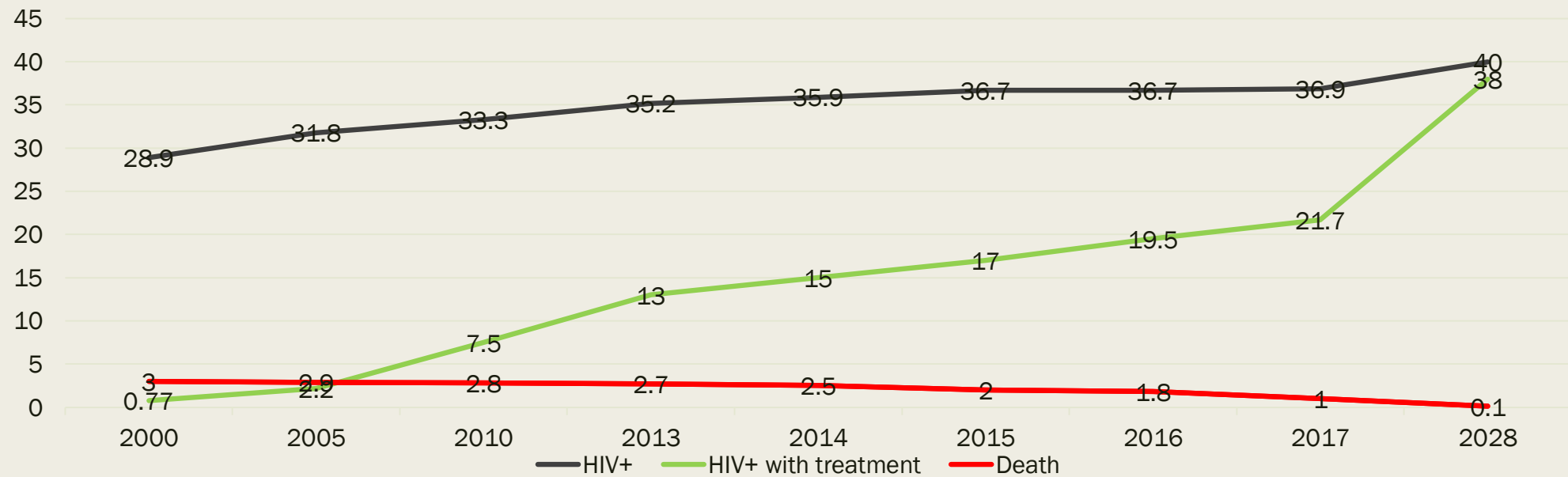
That's a **73% increase** year over year since 2012.

PREP protection



Number of people living with HIV and accessing treatment globally

Number of people (million)



Sources

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THANK YOU



QUESTIONS