

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

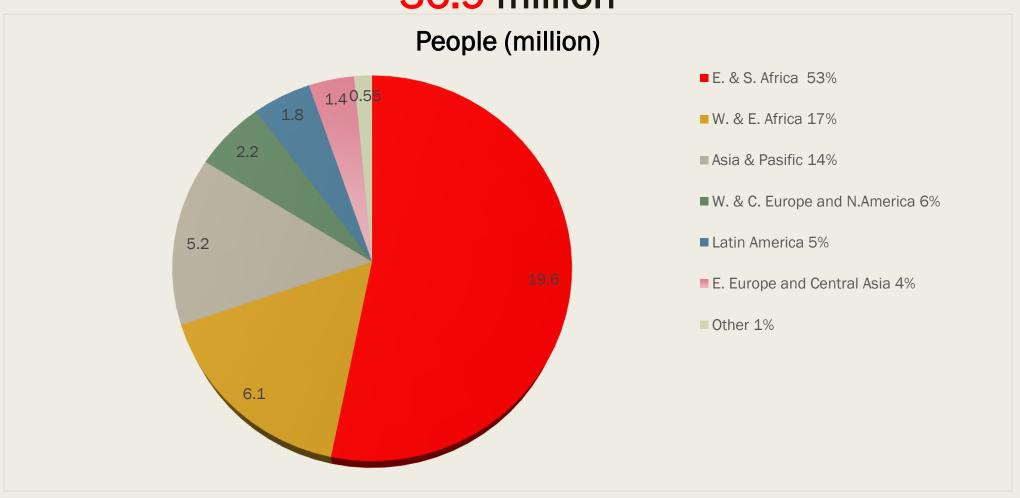
1980 - USA recognize the new health condition

1982 - the 'disease' named AIDS

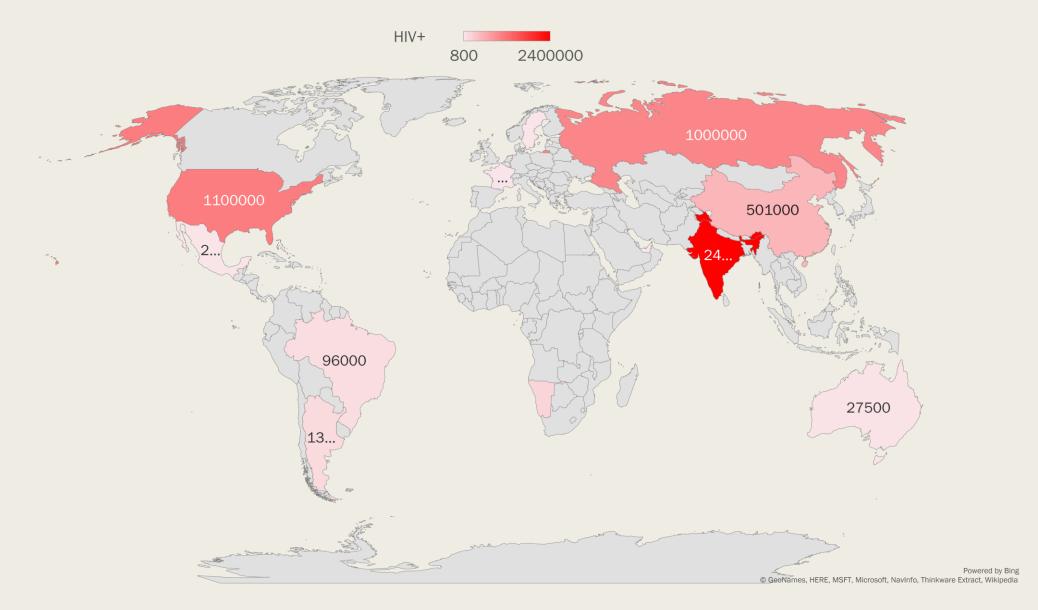
2017 - according UNAIDS 36.9 million HIV + people worldwide



Number of people living with HIV 2017 36.9 million

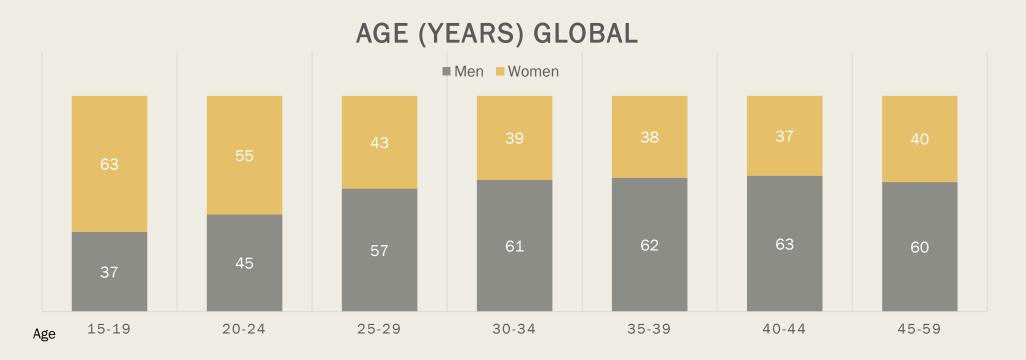


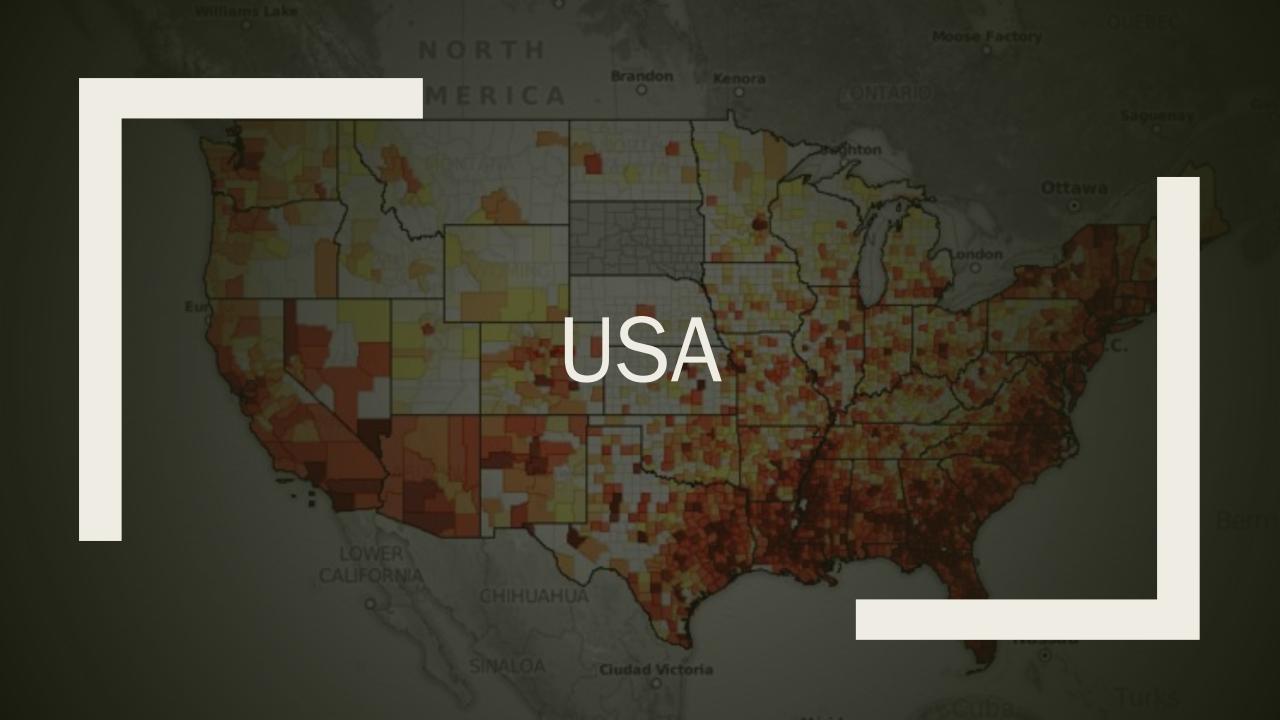
HIV population per country. 2017



Proportion of New HIV infections by sex globally

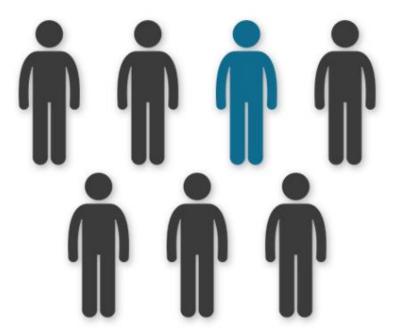
1.8 million children worldwide living with HIV (0-15)





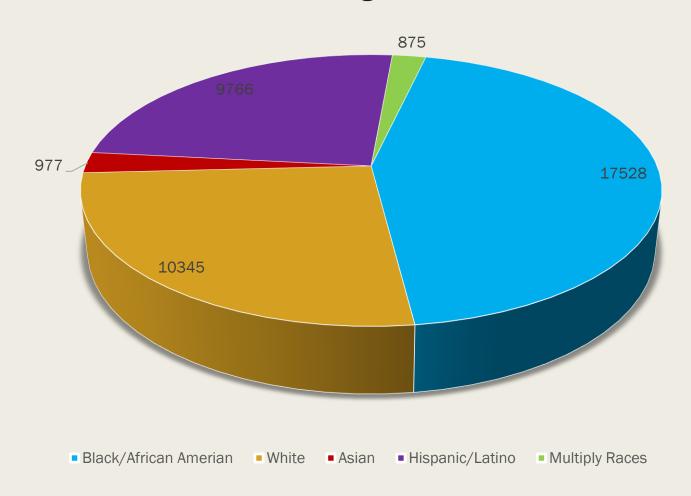
USA 1.1 million HIV +

1 in 7 living with HIV

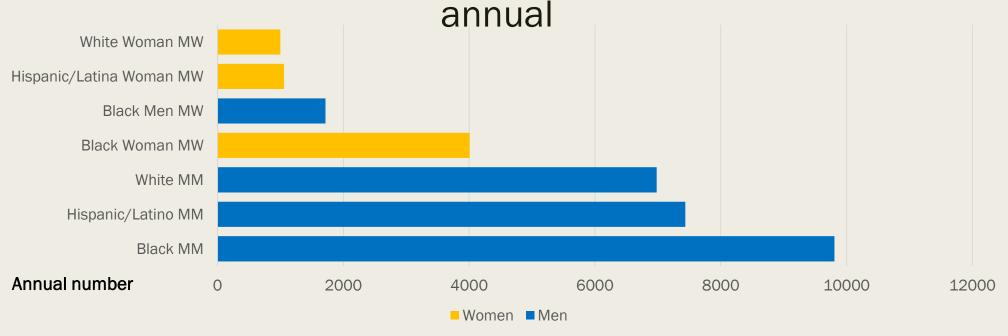


are unaware of their infection.

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

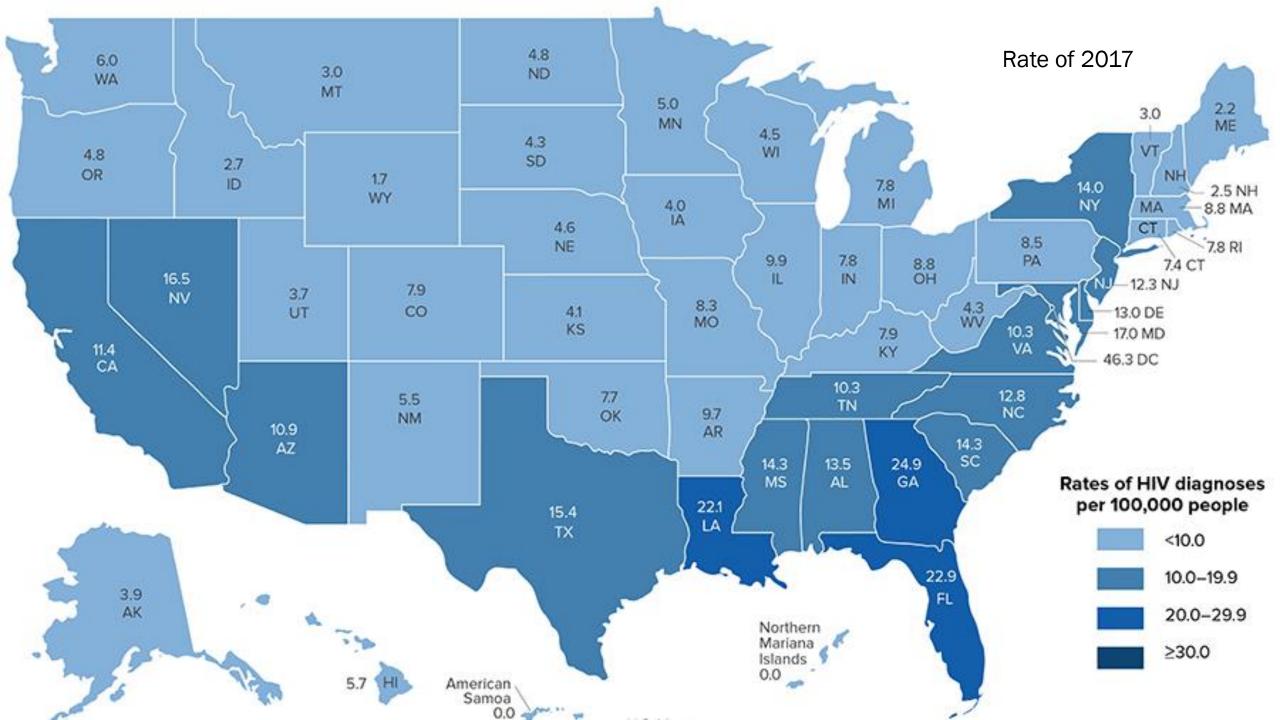


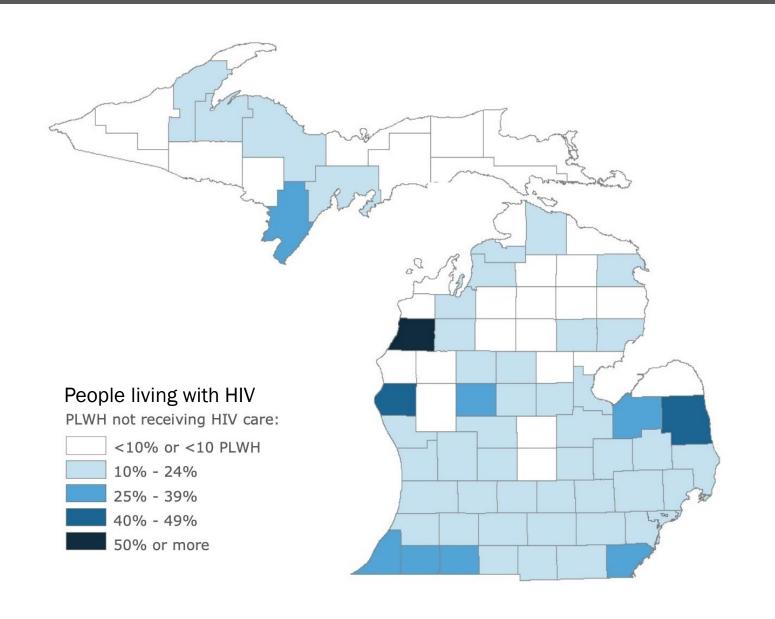
Of the 38 736 new HIV diagnoses in the US and dependent areas 2017

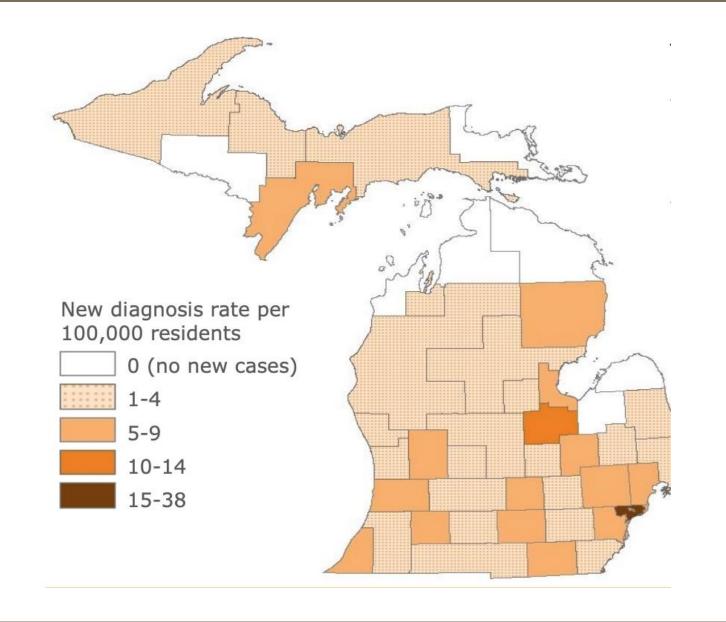
25748 (66%) gay and bisexual men

9170 (24%) heterosexuals 2389 (6%) Inject drugs 1252 (3%)
Gay and bi +
inject drugs

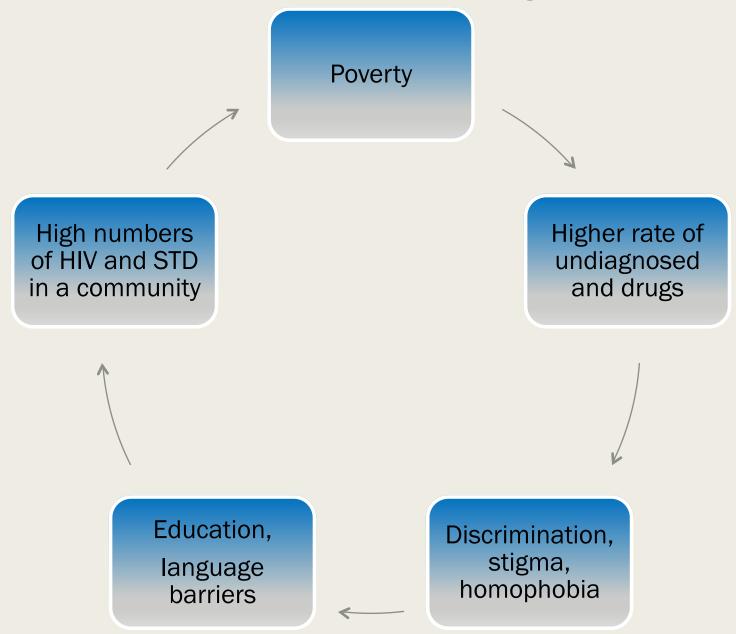




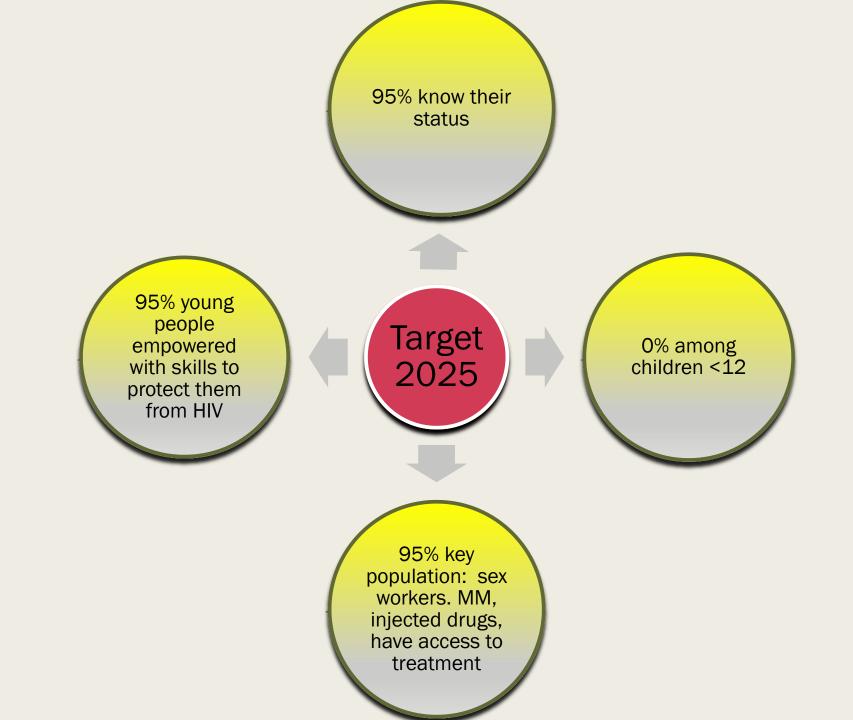




Socioeconomic factors affecting HIV risk



Goals & Solutions



ZERO HIV-relate discrimination ZERO ZERO New HIV HIV-relate AIDS death infections Target 2030 Partnership Gender equality for the goal Good heath, Access to treatment

35%

Decrease in new HIV infections since 2000

42%

Decrease in AIDS-related deaths since 2004

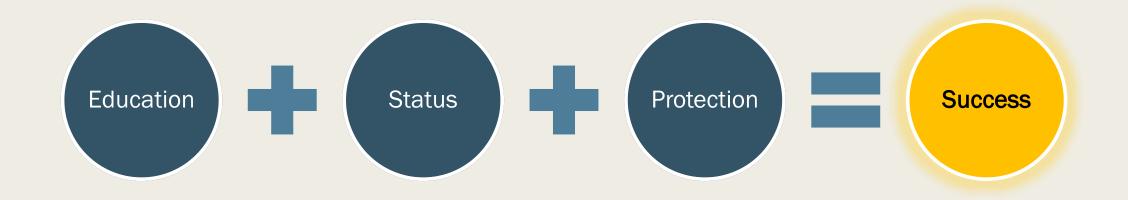
Improvements

58%

Decrease in new infection among children since 2000

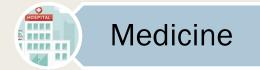
84%

Increase in access to antiretroviral therapy since 2010

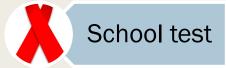




















What is **PrEP**, or Pre-Exposure Prophylaxis?



Pre = before



Exposure = coming into contact with HIV



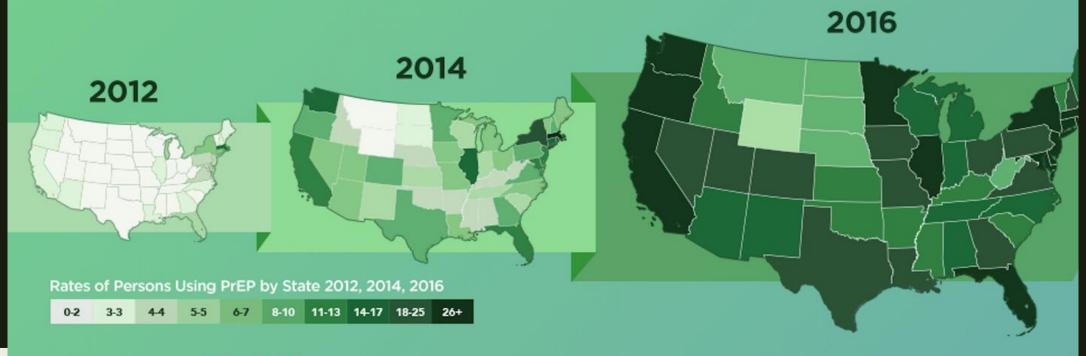
Prophylaxis = treatment to prevent an infection from happening



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

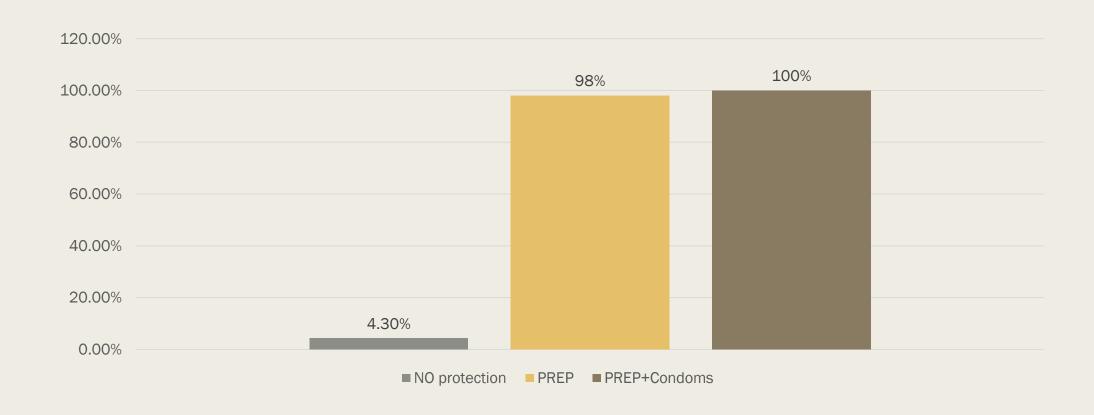
PrEP is when people at high risk for HIV take HIV medicine daily to lower their chances of getting infected





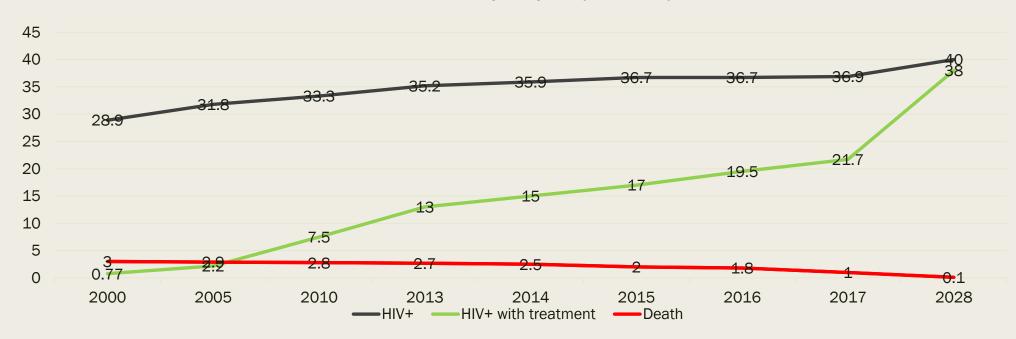
That's a **73% increase** year over year since 2012.

PREP protection



Number of people living with HIV and accessing treatment globally

Number of people (million)



Sources

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THANK YOU

QUESTIONS