

HIV & Corrections

Understanding the HIV Epidemic in the U.S.



About this module

This module was developed in 2020 by the North Carolina HIV Training & Education Center (NCHTEC), a partner in the Southeast AIDS Education & Training Center (SE AETC) network.

These resources are intended to complement training materials created for *Enhancing Linkages to HIV Primary Care and Services in Jail Settings*, a HRSA Special Projects of National Significance (SPNS) initiative that ran from 2007-2012. For more information about that initiative, visit: <https://nextlevel.targethiv.org/deii/jails>



DISSEMINATION OF
EVIDENCE-
INFORMED
INTERVENTIONS



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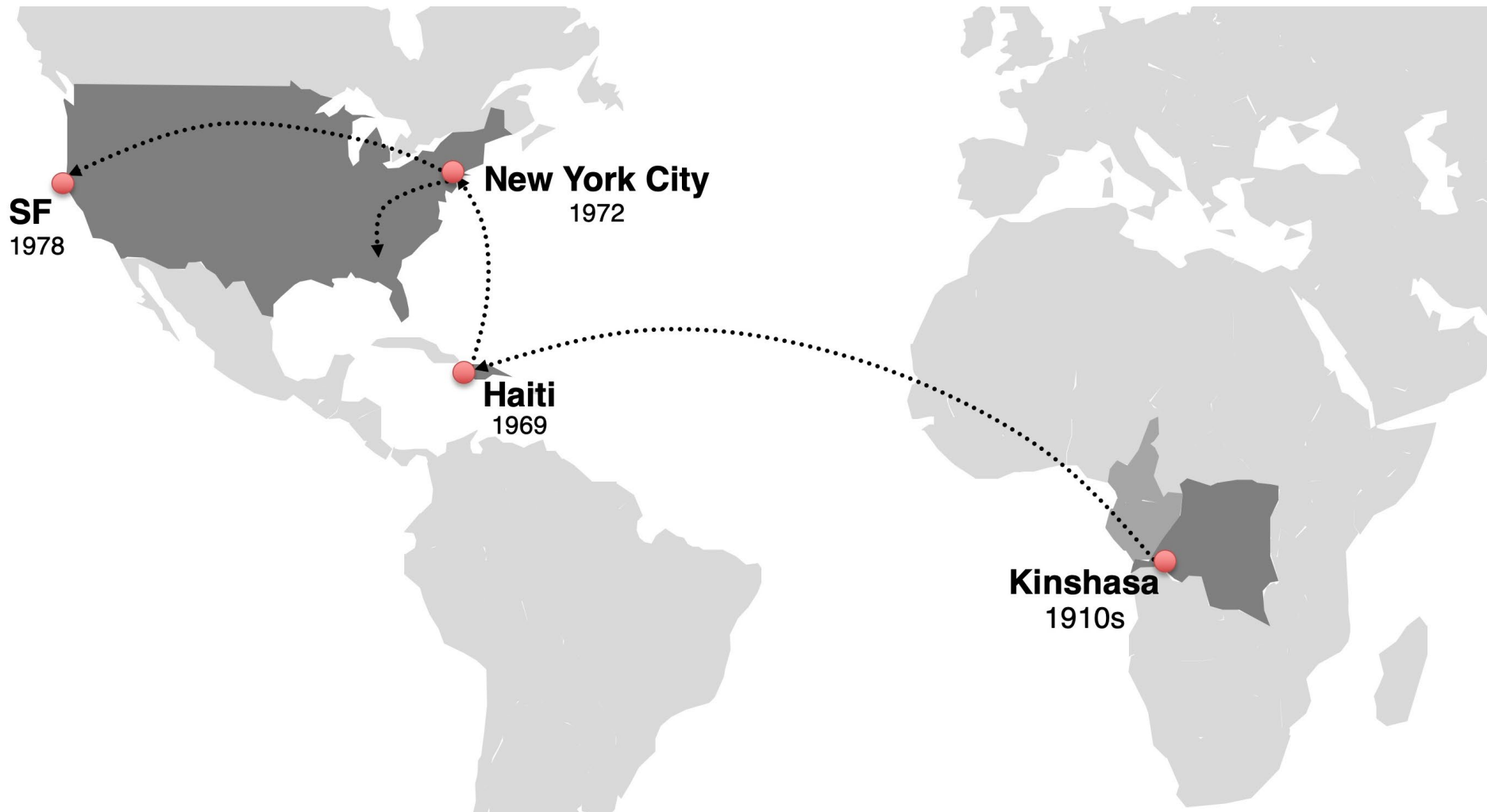


Learning objectives

- Describe recent trends in the number of new HIV infections in the United States.
- List some social and behavioral characteristics of key populations at risk for acquiring HIV.
- Compare and contrast HIV statistics among prisoners and the general population.
- Explain some of the factors contributing to HIV prevalence among persons in jails and prisons.

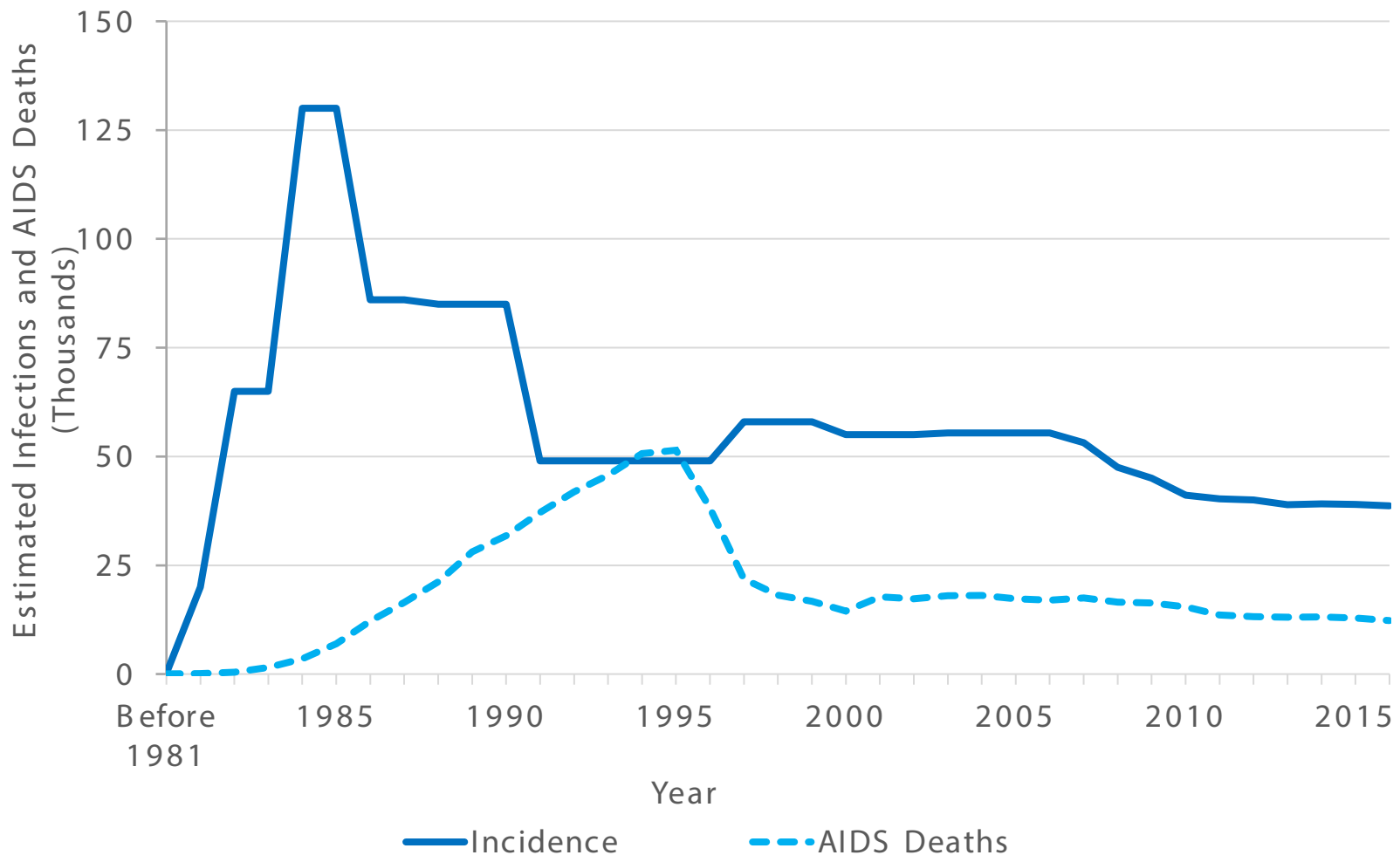


How did HIV get to the US?





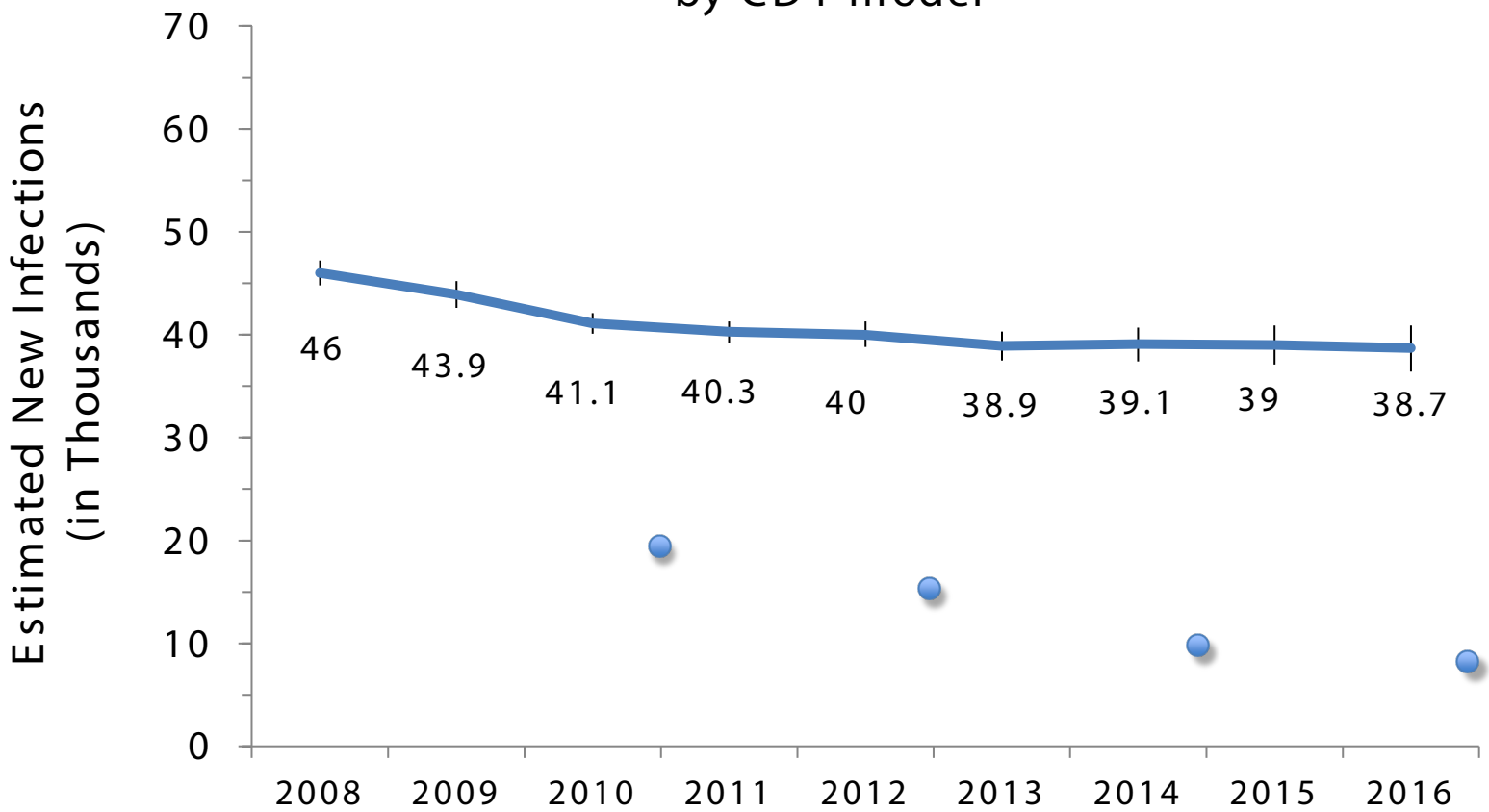
A timeline of HIV in the United States





How many infections occur each year?

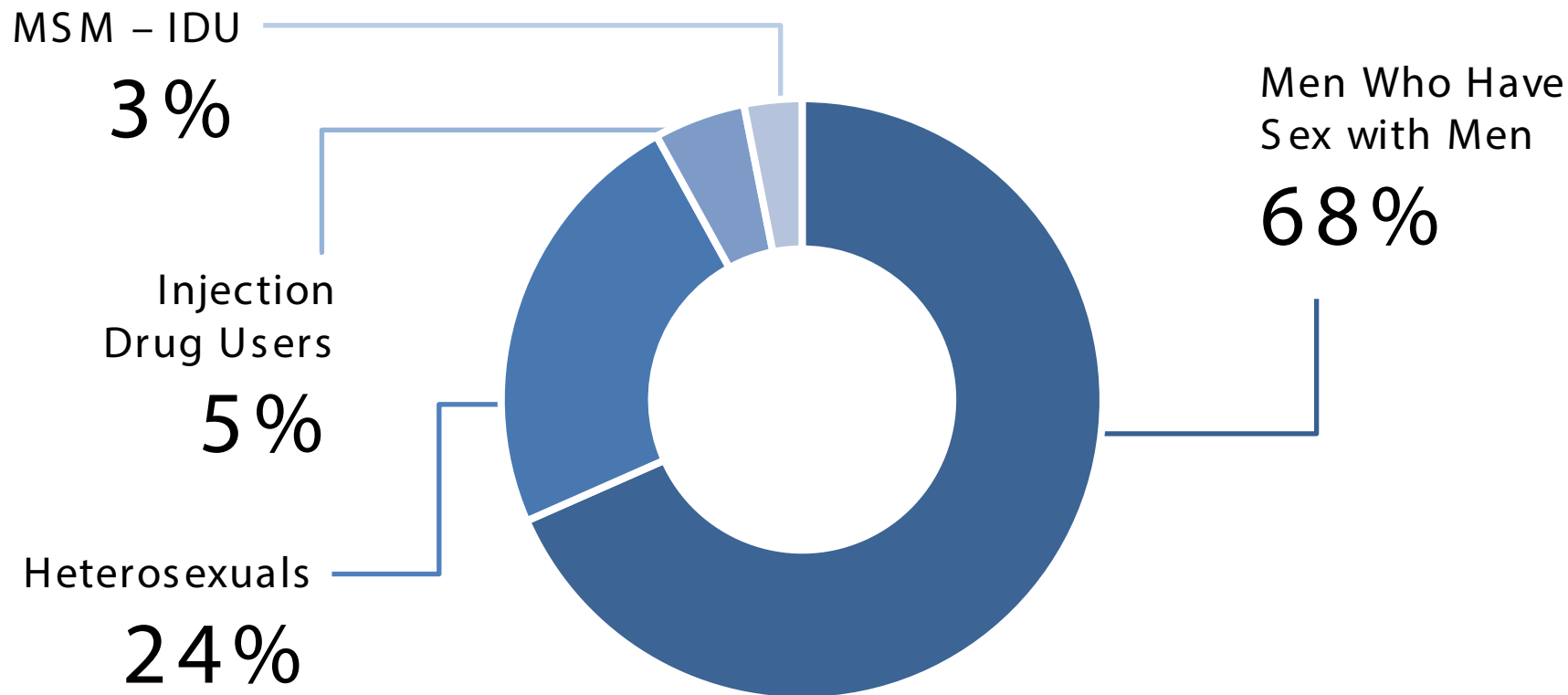
HIV incidence in United States, 2008-2016
by CD4 model





Who is acquiring HIV?

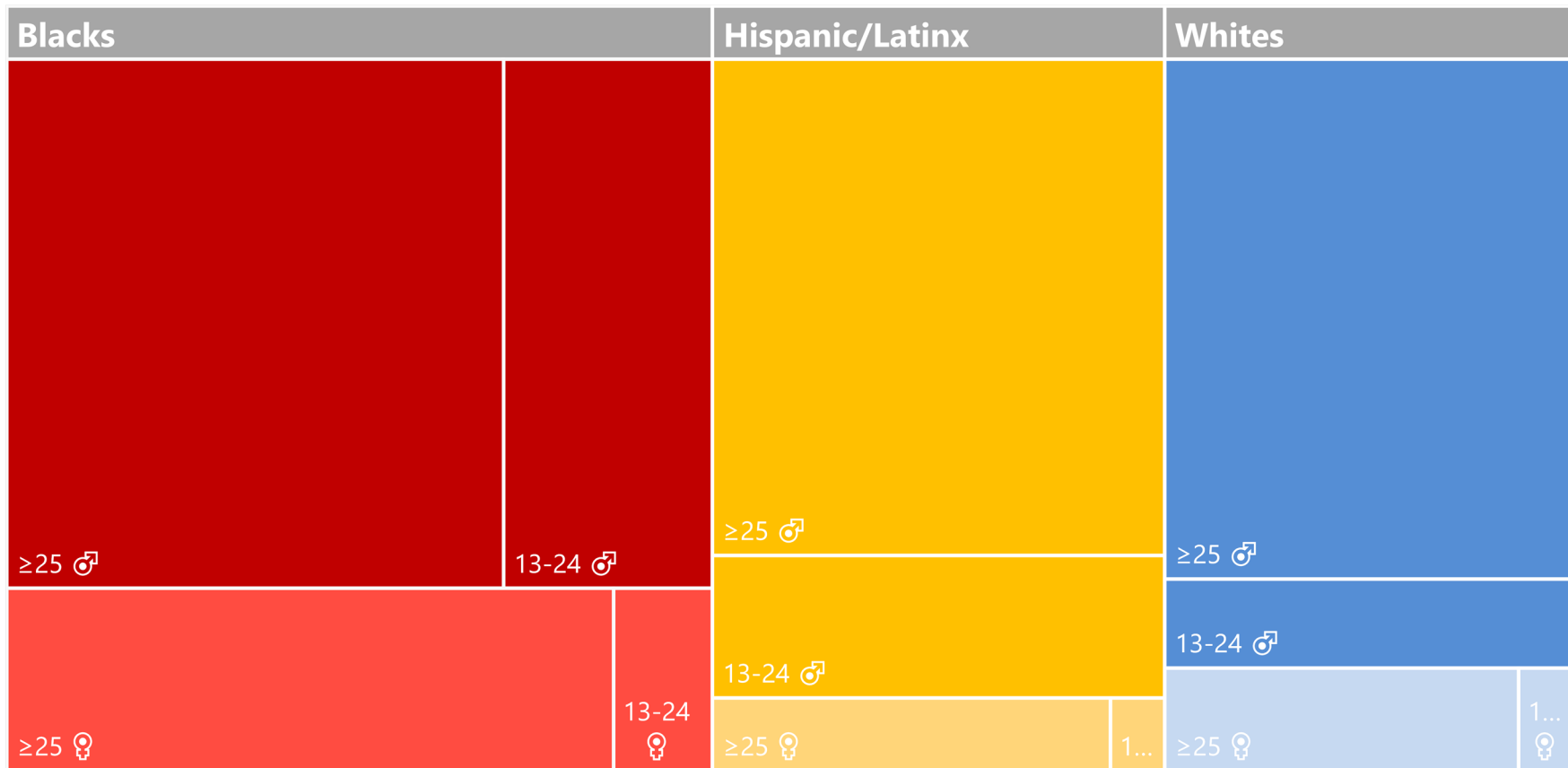
Estimated new infections by transmission category, 2016





Who is acquiring HIV?

Estimated new infections by race/ethnicity, sex, and age, 2016





How do incarcerated populations compare?

HIV transmission can occur in prison settings but is very rare.

Factors associated with acquiring HIV during incarceration in Georgia Dept. of Corrections, 2005 (n=68)

- Any male-male sex in prison
- Received a tattoo in prison
- Body mass index at entry ≤ 25.4 (a “normal” weight)
- Black race

Considering 10,000 male inmates over a 1-year period...

8

infections
may occur among those continuously incarcerated
(0.08 per 100PY)

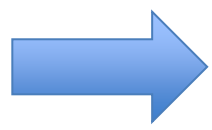
292

infections
may occur among those released and reincarcerated
(2.92 per 100PY)



How many Americans are living with HIV?

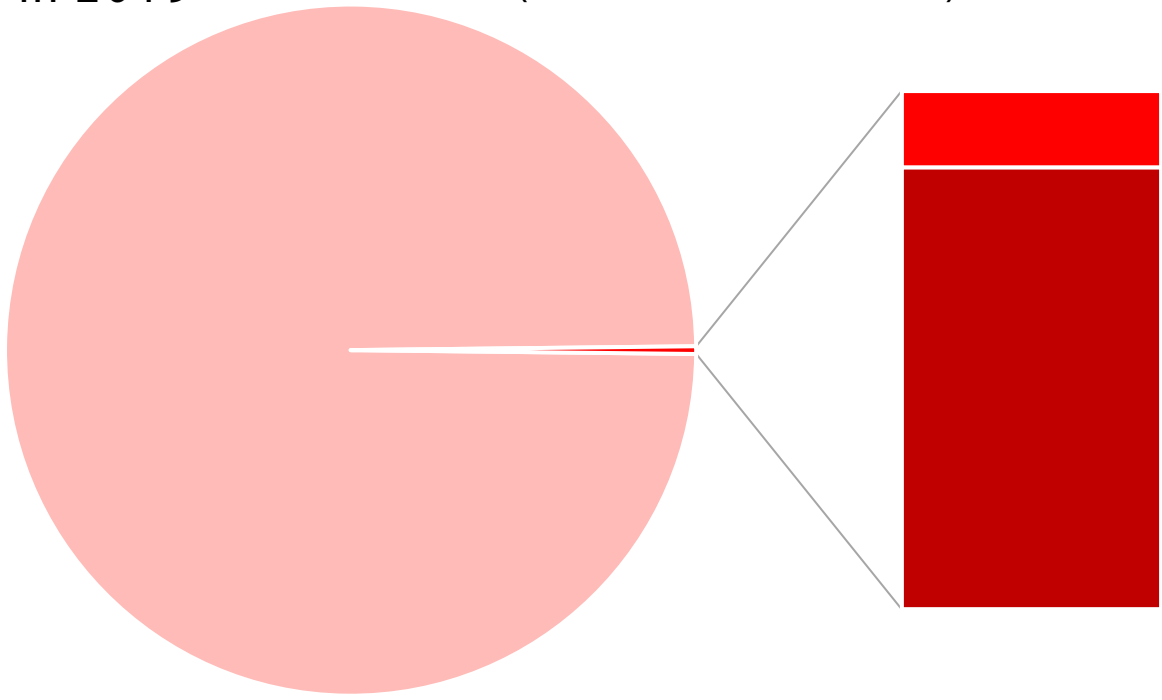
US Population
329.5
million
in 2019



Approximately
0.4%
living with HIV
(1.14 million in 2016)

Approximately
162,500
unaware of
their infection
(in 2015)

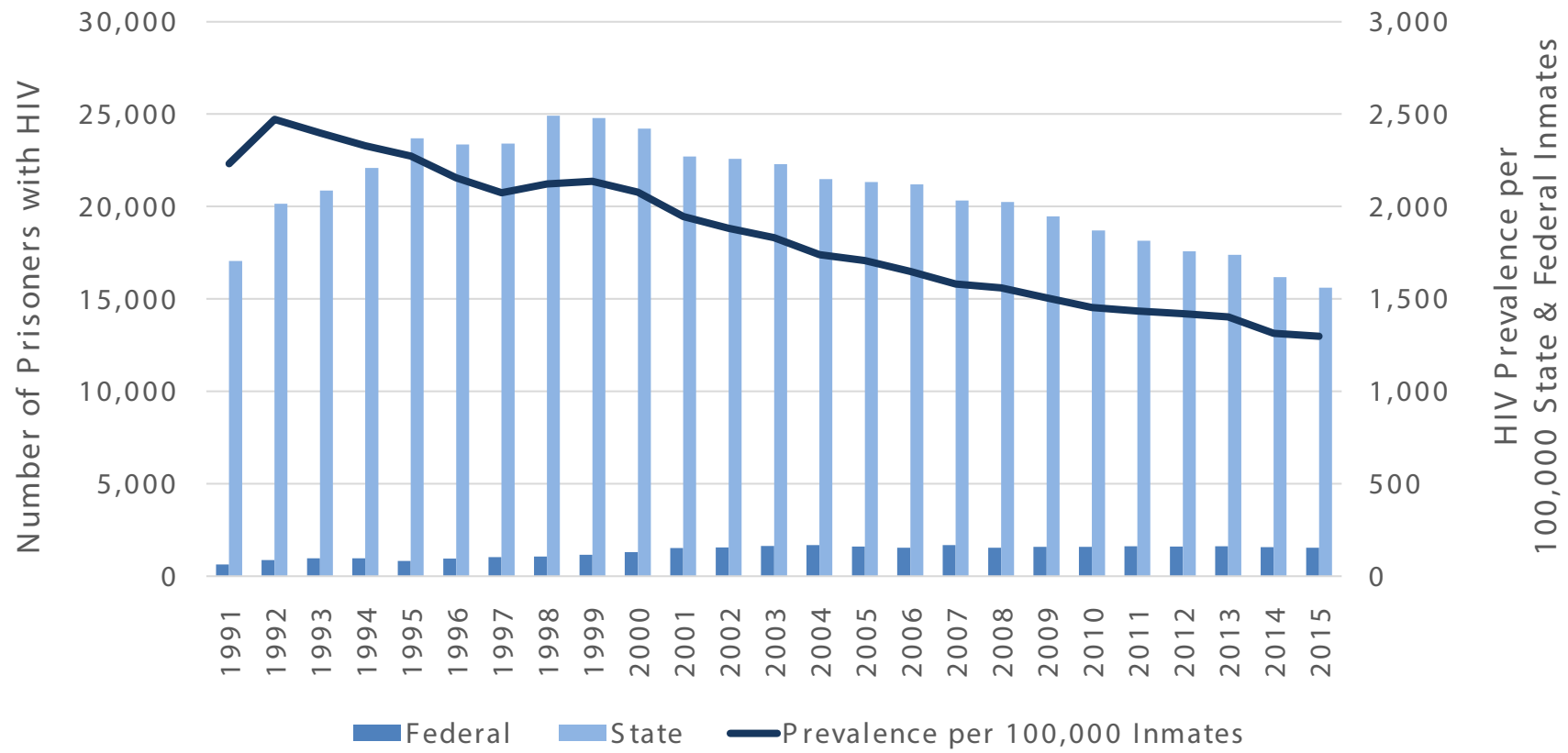
937,500
diagnosed
with HIV
(in 2015)





How do incarcerated populations compare?

Number of prisoners living with HIV and prevalence per 100,000 in state or federal custody, by year





How do incarcerated populations compare?

The prevalence of HIV among state and federal prisoners is more than 3 times that of the US population

Approximately

0.4%

of Americans
are living with
HIV

(1.14 million in 2016)

1.3%

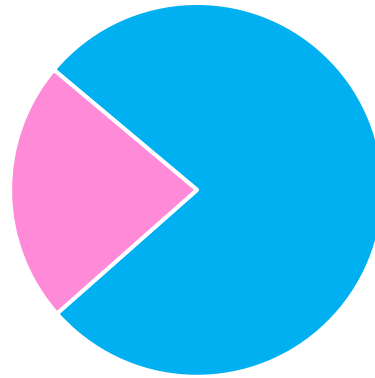
of prisoners are
living with HIV

(17,150 in 2015)

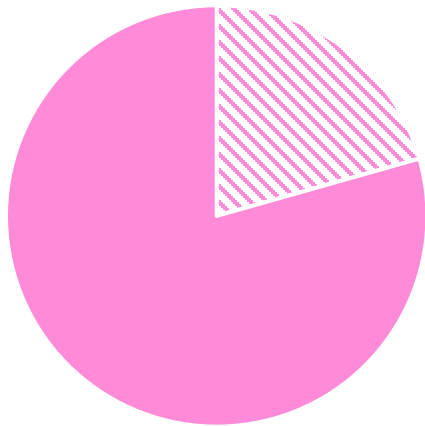


Who are those living with HIV?

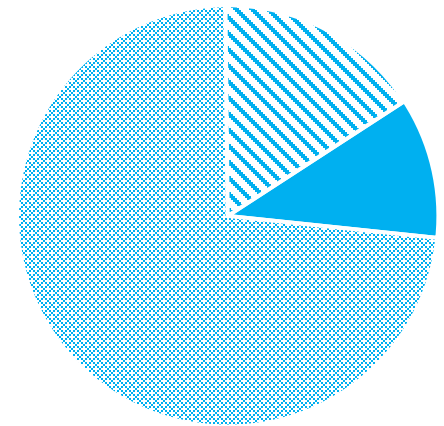
23%
cisgender women
(n=258,000)



77%
cisgender men
(n=882,300)



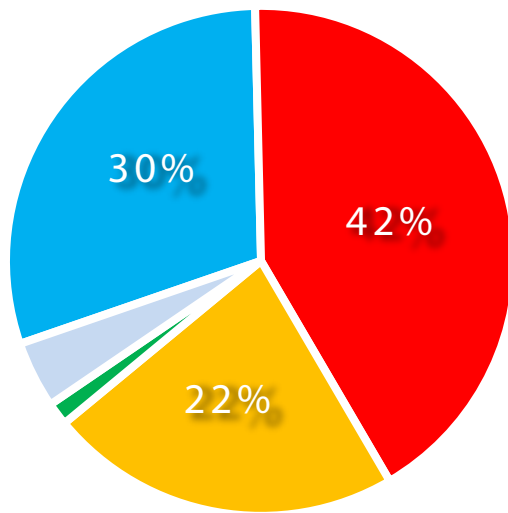
20% 52,900	IDU	16%* 58,600 + 78,000
79% 203,700	Het	11% 95,000
–	MSM	72% 648,500



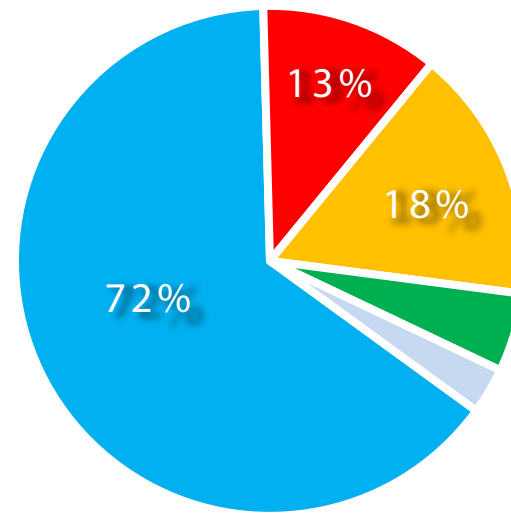


Who are those living with HIV?

HIV Prevalence
2016 (estimated)



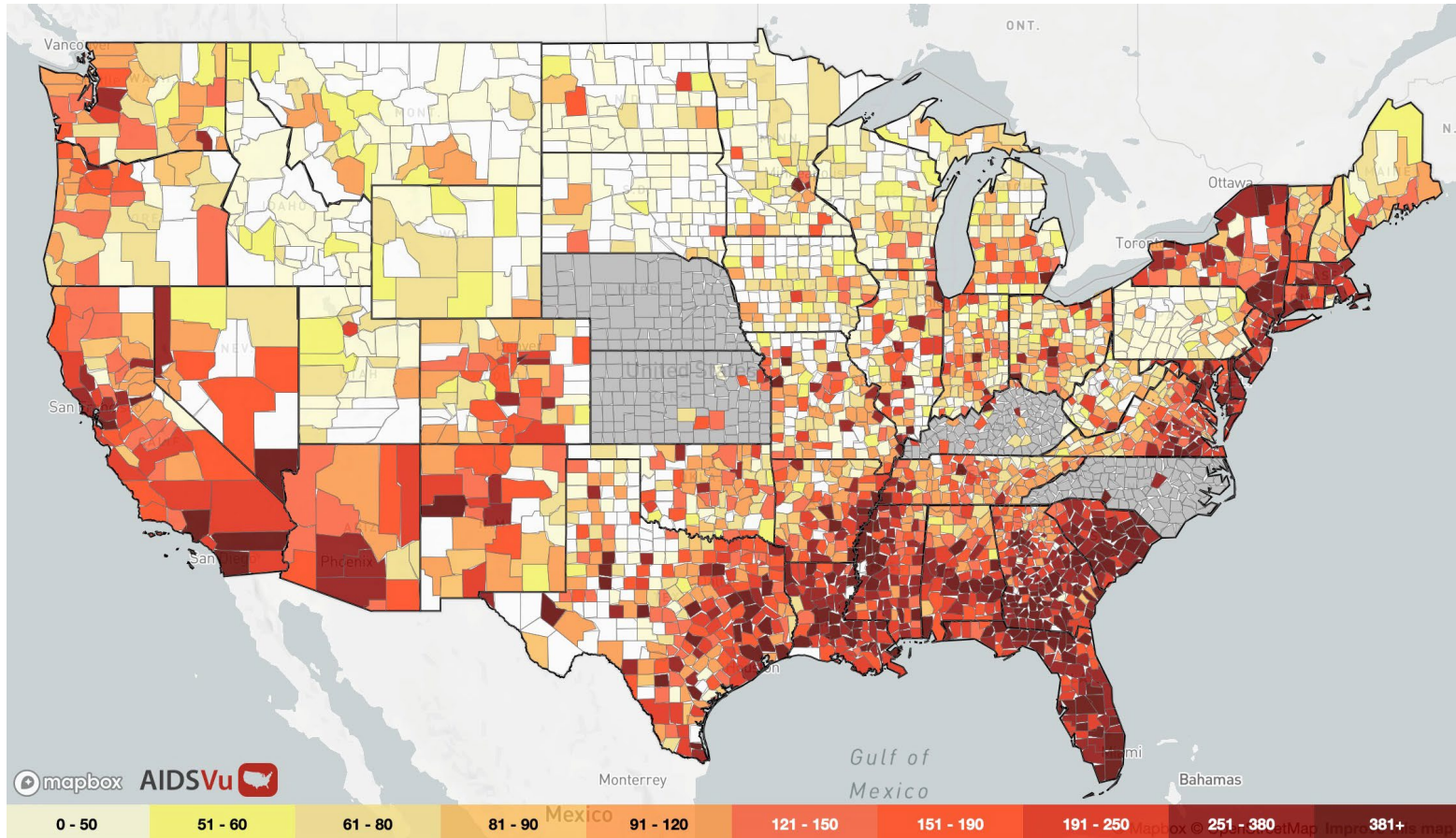
US Population
2017



■ Black ■ Hispanic/Latinx ■ Asian ■ Multi/Other ■ White



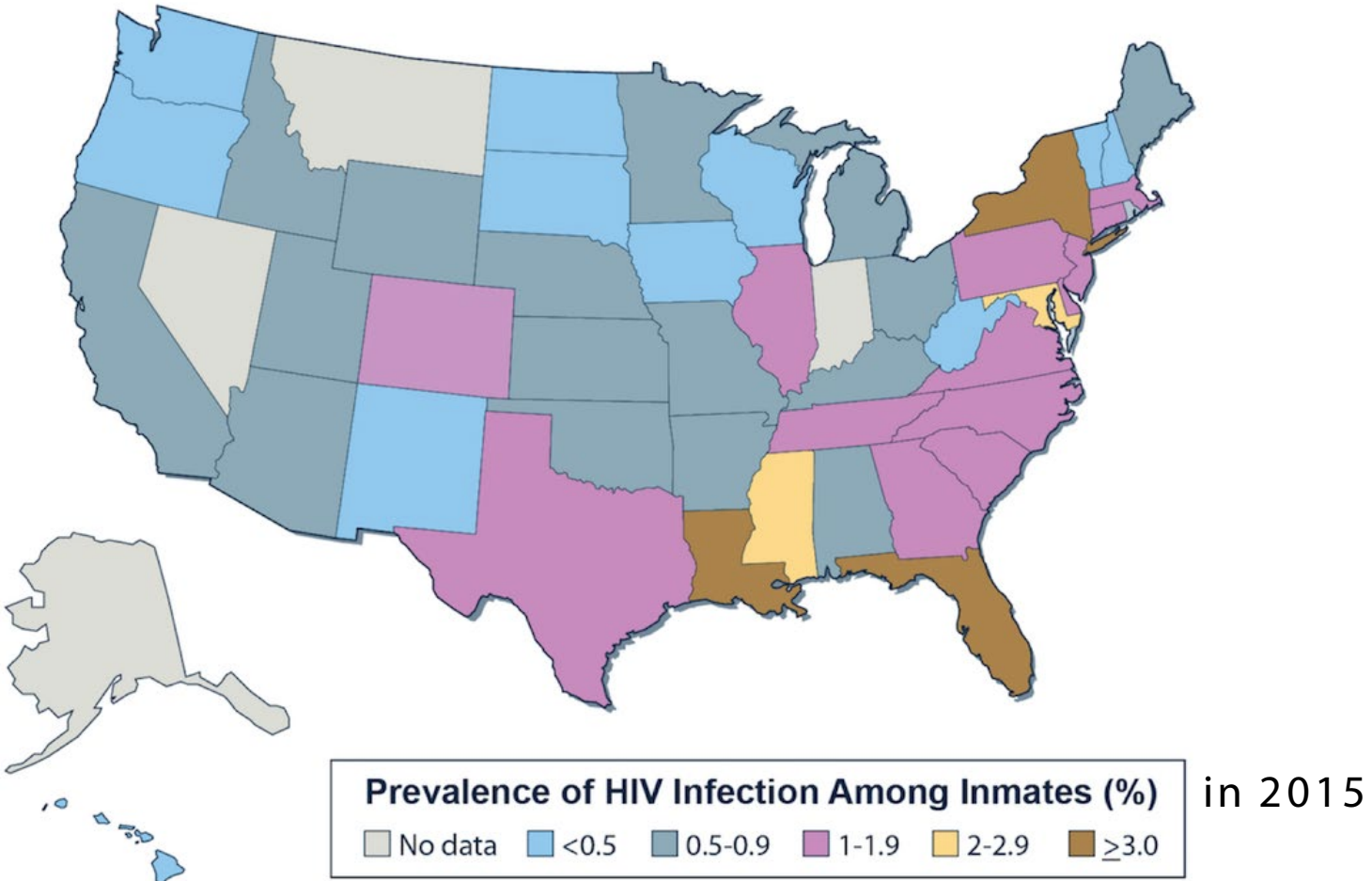
Where are those living with HIV?



Number of persons living with HIV per 100,000 residents, by county, 2016



How do incarcerated populations compare?





Why such disparities by race?

