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# GETTING TO ZERO: ENDING HIV TRANSMISSION

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## THE GOAL

*“In recent years we have made remarkable progress in the fight against HIV and AIDS. Scientific breakthroughs have brought a once-distant dream within reach. My budget will ask Democrats and Republicans to make the needed commitment to eliminate the HIV epidemic in the United States within 10 years.” – President Trump*

- *Ending the HIV Epidemic: A Plan for America*
- Reduce new HIV infections by 75 percent in the next 5 years
- Reduce new HIV infections by 90 percent in the next 10 years



## THE BASICS: WHAT IS HIV?

- HIV= **H**uman **I**mmunodeficiency **V**irus
  - **HIV** is a virus spread through certain body fluids that attacks the body's immune system, specifically the CD4 cells, often called T cells, reducing the body's ability to fight off certain infections.
- AIDS= **A**cquired **I**mmune **D**eficiency **S**yndrome
  - Advanced stage of HIV infection
  - When the number of your CD4 cells falls below 200 cells per cubic millimeter of blood
  - Or after diagnoses with an opportunistic infection associated with HIV



## FACTS ABOUT HIV IN THE UNITED STATES

- Approximately 1.1 million people in the U.S. are living with HIV today. About 15 percent of them (1 in 7) are unaware they are infected.
- The annual number of new HIV diagnoses in the U.S. remained stable from 2012 to 2016, after declining the years prior.
- An estimated 38,700 Americans became newly infected with HIV in 2016.
- Geographic disparities exist with the southern states and some urban areas seeing the highest rate of new infections.



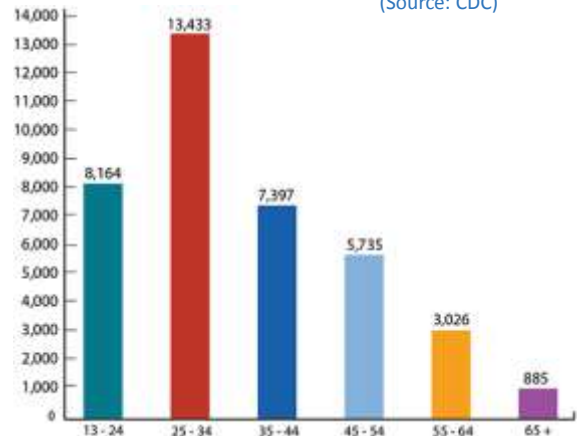
## MORE FACTS ABOUT HIV

Between 2010 and 2016:

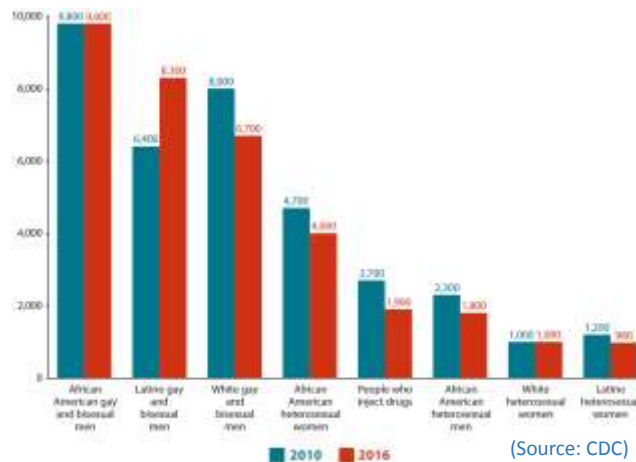
- **By age group**, HIV infections decreased among persons aged 13–24 and 45–54 but increased among persons aged 25–34.
- **By race/ethnicity**, HIV infections decreased among blacks/African Americans, whites, and persons of multiple races, stable for Asians and Hispanics/Latinos.
- **By sex**, the annual number of new HIV infections decreased among females but remained stable among males.

New HIV Infections in the United States by Age

(Source: CDC)



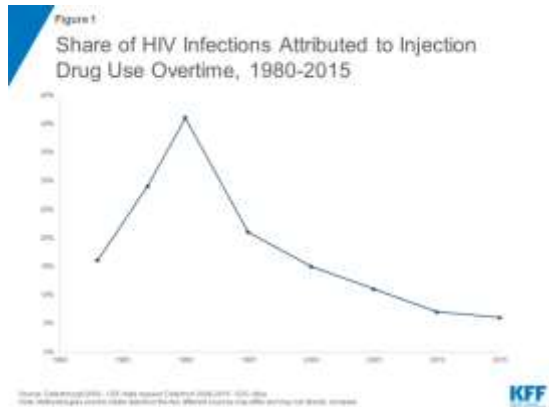
## NEW HIV INFECTIONS BY RACE AND TRANSMISSION GROUP, U.S. 2010 VS. 2016



(Source: CDC)

## NEW HIV INFECTIONS AND THE OPIOID CRISIS

- In 2015, opioid use resulted in an HIV outbreak in Scott County, Indiana.
- The Centers for Disease Control and Prevention (CDC) identified 220 jurisdictions particularly vulnerable to a similar type of outbreak.



## THE CURRENT APPROACH

- Identify Individuals with HIV Infection
  - People unaware of their HIV status are at high risk.
- Connect People with HIV to Care
  - Extends life and improves health outcomes for people with HIV.
  - Undetectable viral loads prevents sexual transmission of HIV.
  - Medicaid and Ryan White Care Act provide assistance to states and individuals to cover costs of treatment.

## WHY NOW?

- Advances in Data
  - Most new infections occur in a limited number of counties and among specific populations.
  - We can now pinpoint where HIV infections are spreading most rapidly.
- Advances in Treatment
  - Individuals with HIV who take their medicine as prescribed can maintain an “undetectable viral load,” live healthy lives and have effectively no risk of sexually transmitting HIV to a partner.
- Advances in Prevention
  - Pre-Exposure Prophylaxis (PrEP)



## NCSL HIV/AIDS STATE-FEDERAL UPDATE

HALEY NICHOLSON-POLICY DIRECTOR, HEALTH

NCSL, WASHINGTON D.C.



## OVERVIEW:

- Administration Announcement
- Call to Action
- Federal Partners Involved
- State and Local Involvement
- Priority Areas
- Future Work



## ADMINISTRATION ANNOUNCEMENT:

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## ADMINISTRATION ANNOUNCEMENT:

- State of the Union, the President announced a proposed \$291 million in funding for Fiscal Year 2020 for Health and Human Services (HHS) budget to focus on ending the HIV epidemic in America by 2030
- Aiming to reduce new HIV infections by 75 percent in the 5 years and by 90 percent in the next ten years
- This would look to reduce more than 250,000 HIV infections



## CALL TO ACTION:

- New HIV diagnoses have gone down since their peak but stall in reducing them with around 40,000 Americans newly being diagnosed over 10 years despite prevention efforts
- U.S. government spends \$20 billion in annual direct health expenditures and care on HIV



## CALL TO ACTION:

HIV TRANSMISSIONS IN 2016		
% OF PEOPLE WITH HIV	STATUS OF CARE	ACCOUNTED FOR X% OF NEW TRANSMISSIONS*
15%	didn't know they had HIV	38%
23%	knew they had HIV but weren't in care	43%
11%	in care but not virally suppressed	20%
51%	taking HIV medicine and virally suppressed	0%

\*Values do not equal 100% because of rounding

[View Text Description](#)  
SOURCE: Vital Signs, 2019



## CALL TO ACTION:

- Estimated 1 million Americans at risk for HIV could be using PrEP but less than 1 in 4 are using it
- HHS and Gilead Sciences announced in May the company will donate PrEP medication for up to 200,000 individuals for up to 11 years
- Provide to individuals at risk for HIV and who are uninsured and not able to access or afford care





## FEDERAL PARTNERS:

- HHS Office of the Assistant Secretary for Health is coordinating this cross-agency plan with:
- Centers for Disease Control and Prevention (CDC)
- Health Resources and Services Administration (HRSA)
- Indian Health Service (HIS)
- National Institutes of Health (NIH)
- Office of the HHS Assistant Secretary for Health and the Substance Abuse and Mental Health Services Administration (SAMHSA)



## STATE AND LOCAL INVOLVEMENT:

- Along with these federal agencies, key component of the work is active participation with city, county, tribal and state providers, associations, clinics, etc.



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## PRIORITY AREAS:

### ENDING THE HIV EPIDEMIC: A PLAN FOR AMERICA



**Diagnose** HIV as early as possible



**Treat** HIV quickly and effectively



**Protect** people at risk



**Respond** quickly to clusters of new cases

## PRIORITY AREAS:

- Investments in geographic hotspots through existing programs like Ryan White HIV/AIDS Program and community health centers providing PrEP.
- Geographic hotspots make up more than 50 percent of new HIV diagnoses in 2016 and 2017 in 48 counties, Washington D.C. and San Juan, Puerto Rico.
- As well as seven states with high occurrences of HIV in rural areas.

## PRIORITY AREAS:

- Inform where HIV is spreading most rapidly and deciding where to prioritize: prevention, care and treatment needs at the local level.
- Establishment of local HIV HealthForce in targeted areas focusing on prevention and treatment.
- All known as Phase 1 and will take place over five years.



## PRIORITY AREAS:



## FUTURE WORK:

- Phases II and III- wider dissemination across the nation to reduce new infections by 90 percent by 2030
- Phase III will implement case management to maintain the number of new infections at fewer than 3,000 per year.



## RESOURCES:

- <https://www.cdc.gov/vitalsigns/end-hiv/index.html>
- <https://www.hiv.gov/federal-response/ending-the-hiv-epidemic/overview>
- <https://www.hhs.gov/about/news/2019/03/11/statement-on-fy2020-budget-proposal-for-ending-the-hiv-epidemic-in-america.html>
- <https://www.hiv.gov/blog/statement-fy2020-budget-proposal-ending-hiv-epidemic-america>
- <https://files.hiv.gov/s3fs-public/Ending-the-HIV-Epidemic-Counties-and-Territories.pdf>
- <https://www.hiv.gov/blog/news-release-trump-administration-secures-historic-donation-billions-dollars-hiv-prevention>
- <https://jamanetwork.com/journals/jama/fullarticle/2724455>
- [https://www.hiv.gov/blog/hiv-prevention-and-care-information-your-state?utm\\_source=email&utm\\_medium=email&utm\\_campaign=daily20190522](https://www.hiv.gov/blog/hiv-prevention-and-care-information-your-state?utm_source=email&utm_medium=email&utm_campaign=daily20190522)



## THANK YOU!

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## FEDERAL RESOURCES

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## RYAN WHITE CARE ACT

- Part A- provides assistance to Eligible Metropolitan Areas (EMAs) and Transitional Grant Areas (TGAs) that are most severely impacted by the HIV epidemic.
- Part B- provides grants to states and territories to improve the quality, availability, and organization of HIV health care and support services.
- Ending HIV/AIDS Initiative- from the President's SOTU address and it is a 10 year effort starting in 2020 to reduced new HIV infections to less than 3,000/year by 2030.



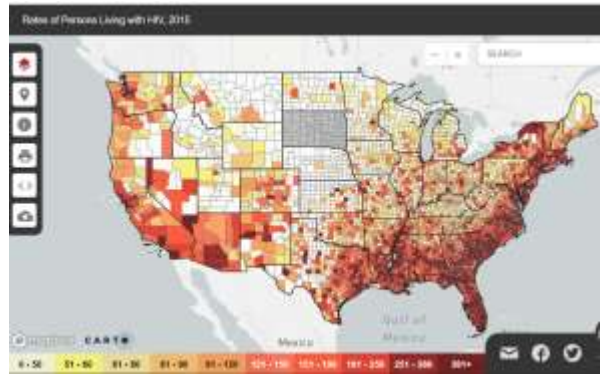
## RYAN WHITE FUNDING (\$ ARE IN THE THOUSANDS)

	FY'19	President	House	Senate
Ryan White-Part A	\$655,879	\$655,876	\$677,535	N/A
Ryan White-Part B	\$1,315,005	\$1,315,005	\$1,331,665	N/A
Ryan White-Ending HIV/AIDS Initiative	N/A	N/A	\$70,000	N/A



# HRSA RESOURCE- HIV PREVENTION AND CARE INFORMATION FROM YOUR STATE

Ryan White HIV/AIDS Program Clients Served, by State, 2016



[https://www.hiv.gov/blog/hiv-prevention-and-care-information-your-state?utm\\_source=email&utm\\_medium=email&utm\\_campaign=daily20190522](https://www.hiv.gov/blog/hiv-prevention-and-care-information-your-state?utm_source=email&utm_medium=email&utm_campaign=daily20190522)



# THANK YOU!

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