

Effective Policy Strategies for HIV, Viral Hepatitis, STDs, and TB in the United States

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NCHHSTP supports states and territories in their work to save lives, save money, and make healthier communities for all.



Division of HIV Prevention



Division of Viral Hepatitis



Division of STD Prevention



Division of TB Elimination



Division of Adolescent & School Health

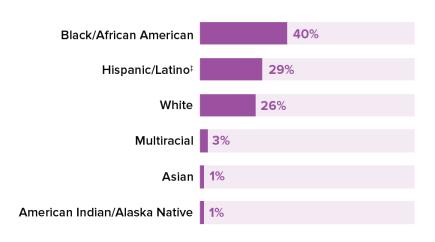
State of the epidemics

HIV

1.2 million people in the U.S. have HIV

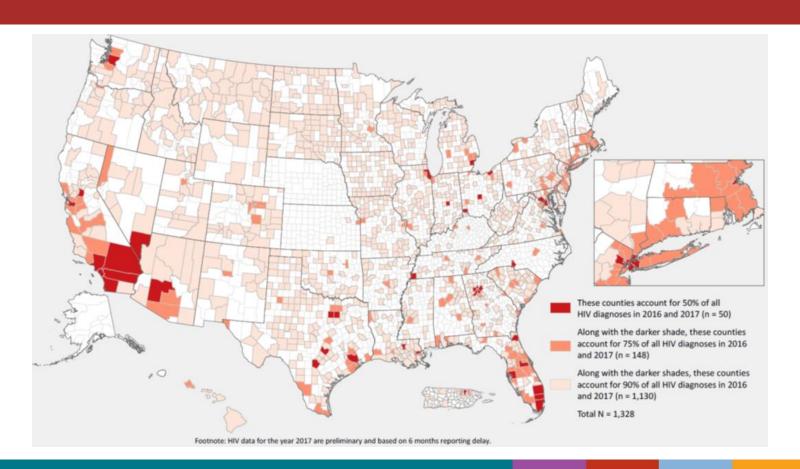
People with HIV who are virally suppressed through treatment do not sexually transmit HIV

PrEP is ~99% effective at preventing acquisition of HIV

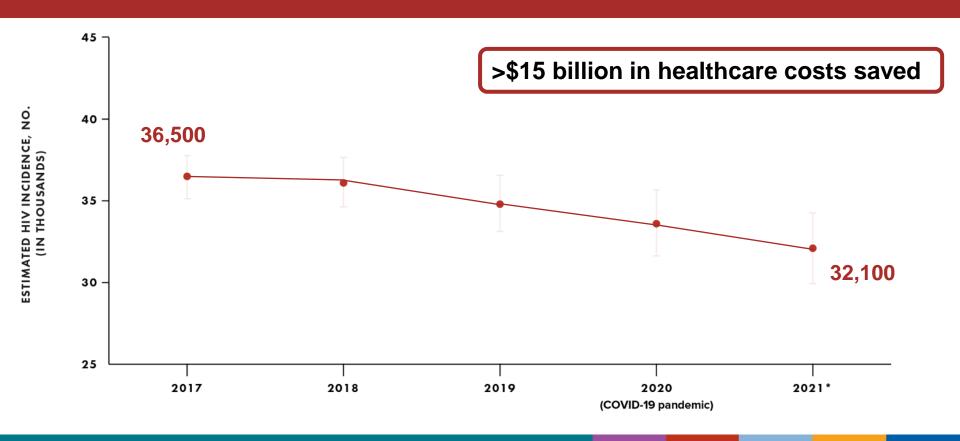


Gay, bisexual, and other men who have sex with men are >100 times more likely to have HIV

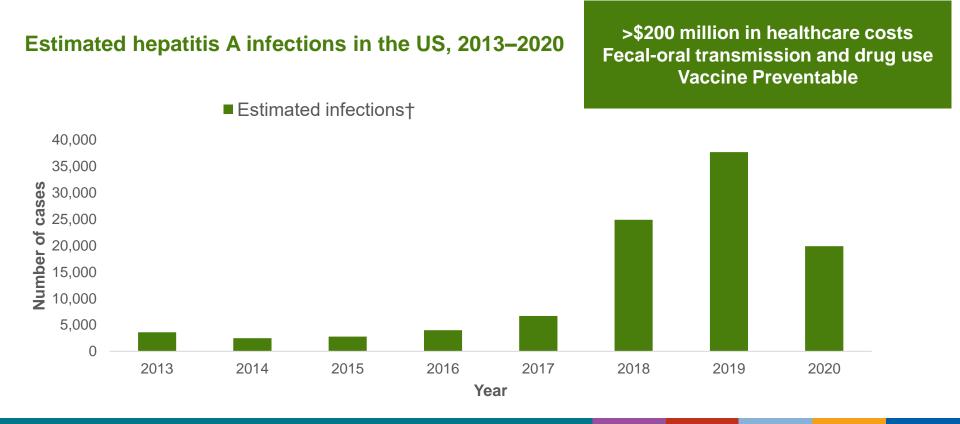
HIV is Not Equally Distributed



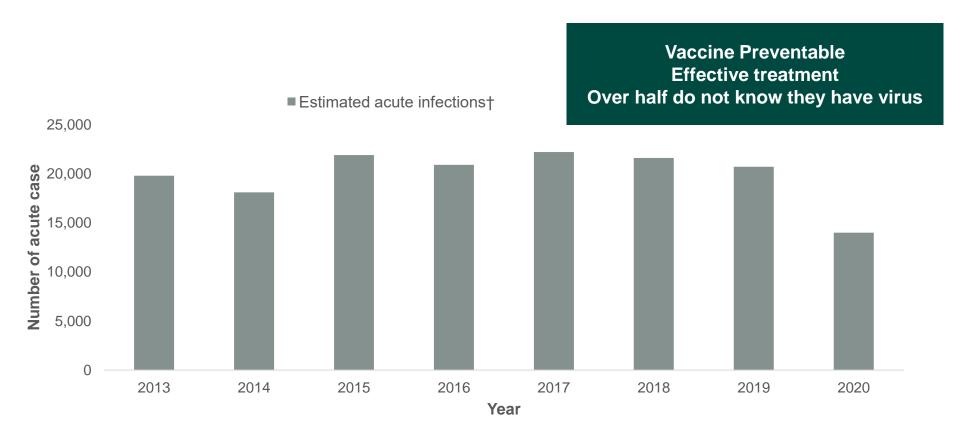
HIV prevention efforts are working 12% reduction in HIV infections in 2021 compared to 2017



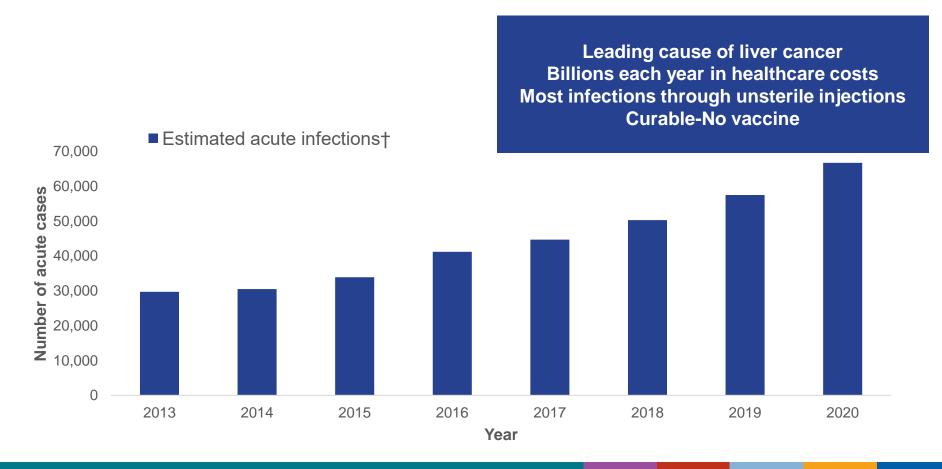
Viral hepatitis kills tens of thousands of Americans each year



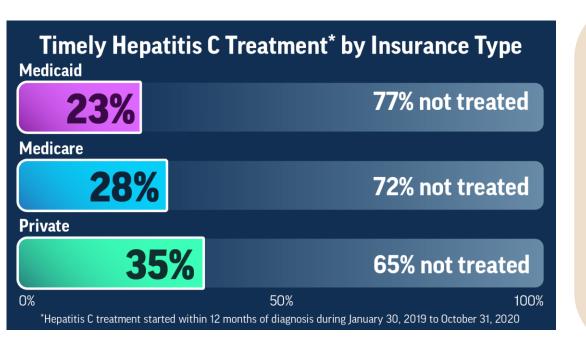
Estimated hepatitis B infections in the US, 2013–2020



Estimated hepatitis C virus infections in the US, 2013–2020



To eliminate hepatitis C, over 2 million people should be cured but, only 1 in 3 people with insurance get timely treatment



Treating people with HCV would save billions of dollars and tens of thousands of lives, but...

Current Barriers to Treatment

- Insurance restrictions
- Insurance preauthorization requirements
- Requirements for liver damage, sobriety and GI specialists

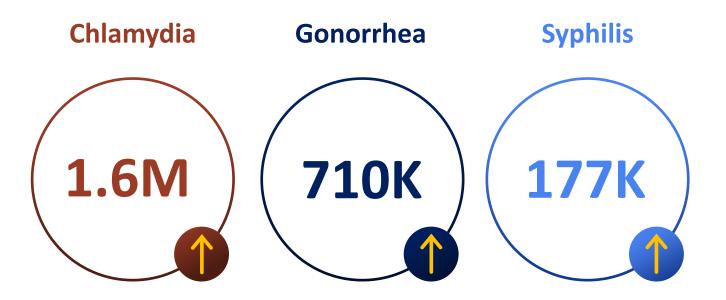
Comprehensive syringe services programs (SSPs) are safe, effective, cost-saving, and do not increase drug use or crime

SSPs are associated with >50% reduction in HIV and HCV incidence





STDs have been increasing since 2014



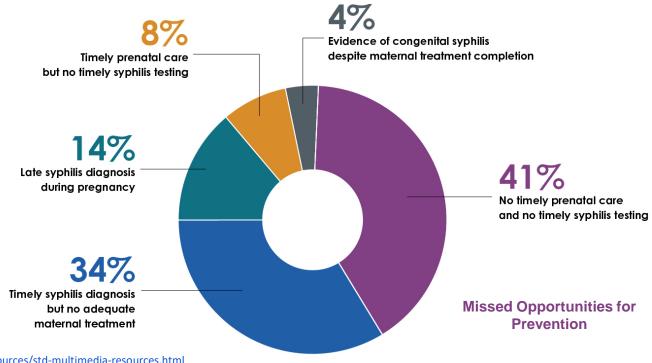
\$16 billion per year of healthcare costs Increase infertility and HIV infections



Congenital syphilis surged to more than 27-year high, with 3,000 babies born with syphilis in 2021

Congenital Syphilis

- Stillbirth
- Lifelong cognitive and physical disability



 $\underline{https://www.cdc.gov/nchhstp/newsroom/multimedia-resources/std-multimedia-resources.html}$

Tuberculosis hides in plain sight

>8,000 cases of TB disease each year

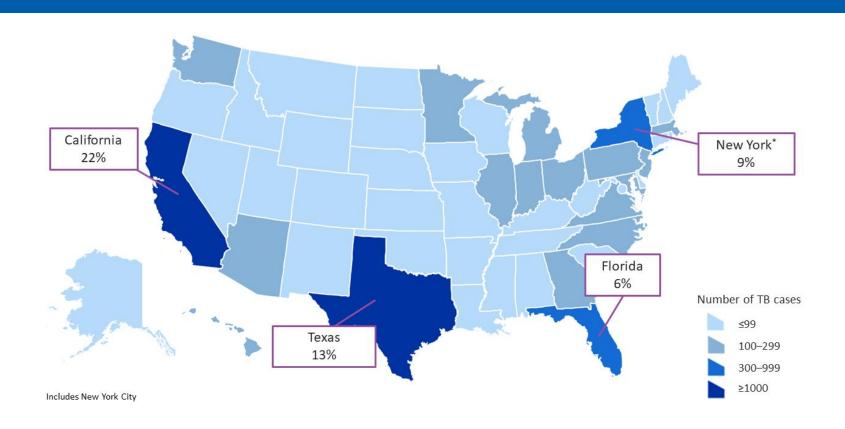
About 13 million
Americans live with
latent TB infection

New effective treatments for LTBI

Shorter treatment for TB disease



The number of U.S. tuberculosis cases increased 5% in 2022



Saving lives and saving money through policy

Prevention saves lives and money

Federal funding for HIV over time associated with decreased HIV mortality and disparities in death rates

\$10 per student reduces sexual risk, substance use, and mental health issues among adolescents

State funding for STIs associated with reduced incidence of gonorrhea

TB work over past 2 decades prevented >300,000 TB cases and saved \$14.5 billion in societal costs

Diagnosing and curing people with HCV saves states money and prevents illness and death

For every \$1 invested in HIV testing, \$2 is saved

Syndemic Approach is Effective, Equitable, and Cost-Saving Policy

Syndemics occur when diseases or health conditions interact with each other and, by that interaction, increase their adverse effects on the health of communities



HIV, Viral Hepatitis, STDs, and TB interact and overlap in populations

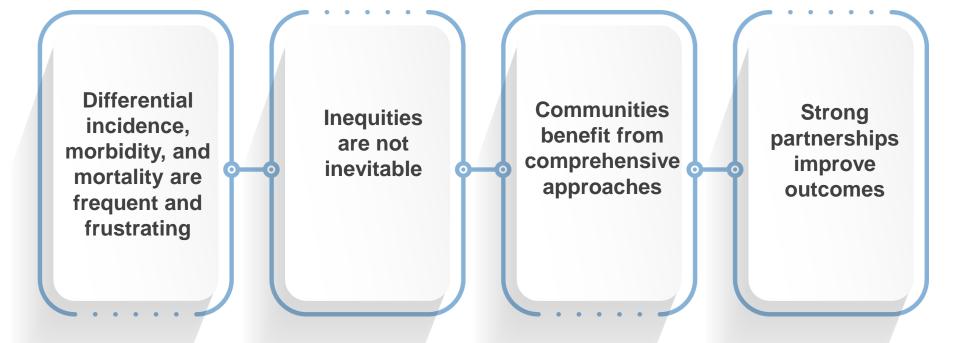




Societal factors, e.g., limited housing, poverty, discrimination, stigma, and the opioid crisis, increase and perpetuate harmful effects

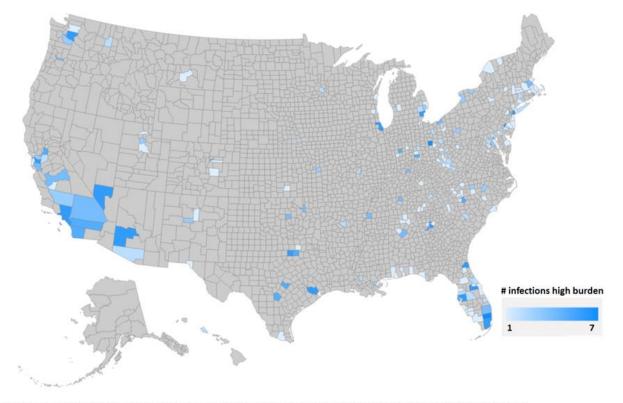


People Matter





Counties with highest burden* for HIV, chlamydia, gonorrhea, acute HBV, acute HCV, syphilis, and/or TB



^{*} Highest burden defined as counties with the highest number of diagnoses accounting for 50% of diagnoses for each infection

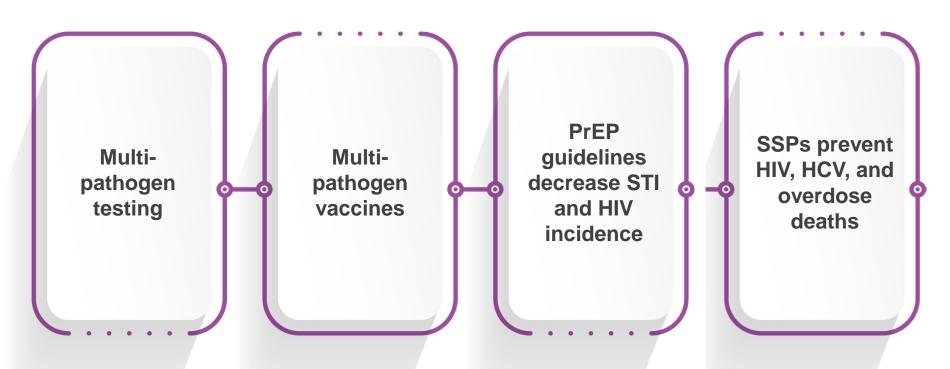


Place Matters



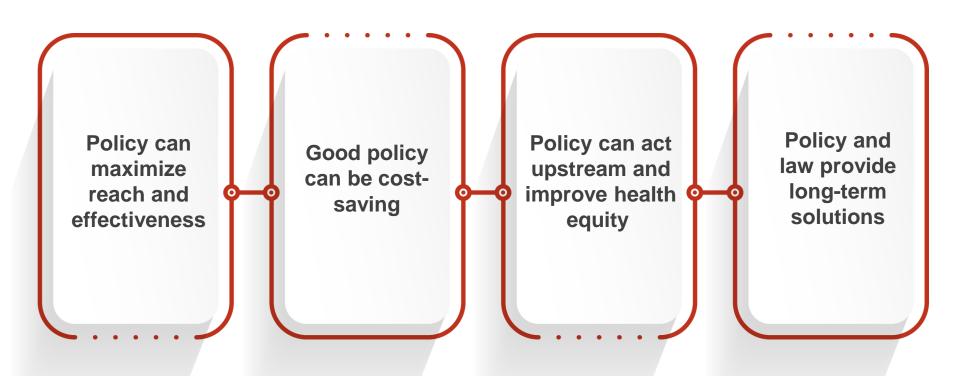


Science Matters





Policy Matters

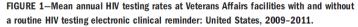


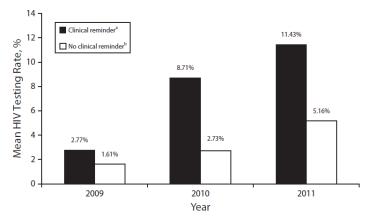
Policy interventions that work

Testing and screening policies

Veterans Administration HIV screening program doubled testing

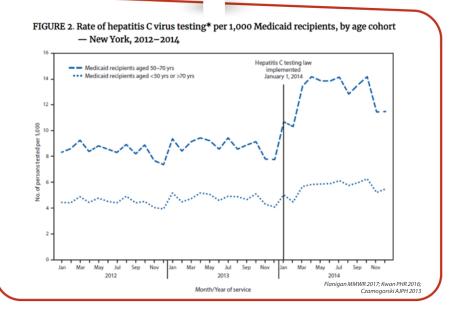
New York HCV testing law associated with 52% increase baby boomer testing





^a47 VA facilities used an electronic reminder for at least 1 quarter.

b56 VA facilities did not use any electronic reminder.



Care coverage, housing, and HIV outcomes

Experiencing homelessness associated with **2.5 higher odds** of detectable viral load

For uninsured patients, Ryan White services associated with viral suppression (77% vs 39%)

Patients in Ryan White were
5% more likely to be virally
suppressed than those with private
insurance



HIV criminalization laws and public health

HIV criminalization laws not associated with decreased HIV incidence, but are associated with social harm

HIV Criminalization Legal and Policy Tool can assist state policymakers by providing current scientific and medical evidence

HIV Criminalization Legal and Policy Assessment Tool Legal, Health, and Equity Considerations Related to HIV Criminalization, Public Health Surveillance, and Data Privacy

https://www.cdc.gov/hiv/policies/law/hiv-criminalization-legal-and-policy-assessment-tool.html

Other policies that have data to show they work

- Expedited partner therapy for STIs
- Medicaid expansion and HIV testing and viral suppression
- Syringe services laws
- Public and private insurance coverage of HCV treatment
- Naloxone distribution
- Latent TB Infection screening and treatment
- LGBTQ supportive school policies and multiple health outcomes among students
- Anti-LGBTQ discrimination laws and HIV-associated mortality

How CDC Can Support State Policy Work

- Collect and analyze data related to laws and policies
- 2. Identify and assess policy options in relation to health impact, feasibility, and economic and budgetary impacts
- 3. Provide science and evidence to inform policy development
- 4. Monitor policy enactment and assess the legal landscape
- 5. Build capacity of states, territories, tribes, and communities to implement and evaluate policies



NCHHSTP's Policy as a Public Health Intervention Initiative

Invests \$7.5 million over 5 years to conduct law and policy analyses and support a law and policy TA center

 Strengthens the ability of state policy makers to identify, evaluate, develop, and implement evidencebased policies



Law and Policy Technical Assistance
Center for Policymakers



Law and Policy Data and Resource Clearinghouse

Other CDC Tools for Policymakers

Need Data?

Explore CDC's



•Social Determinants of Health Data

Where to Target Resources?

CDC's Social Vulnerability Index



Programmatic Help?



Key Policy Actions to Address Syndemics



Put People First



Focus On Equity



Put Money Where The Epidemic Is



Leverage
Policy As A
Public
Health Tool



Support Workforce & Partnerships