# When Pandemics Collide: The Impact of COVID-19 on Ending the US HIV Epidemic Melanie A. Thompson, MD Thacker & Thompson, MD Atlanta, Georgia

Financial Relationships With Ineligible Companies (Formerly Described as Commercial Interests by the ACCME) Within the Last 2 Years

Dr Thompson has received research support paid to her institution from Bristol Myers Squibb, Cepheid Inc., CytoDyn Inc., Frontier Biotherapeutics, Gilead Sciences, GlaxoSmithKline, Merck & Co., and VilV Healthcare. Dr Thompson has served on the independent data monitoring committee for Excision Biotherapeutics. (Updated 12/6/22)

Slide 2 of 5

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### **Learning Objectives**

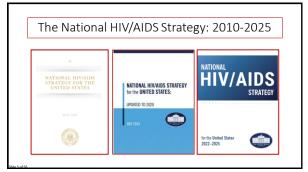
After attending this presentation, learners will be able to:

- List 4 strategies and 2 goals of the federal Ending the HIV Epidemic initiative
- Discuss the disruptions to HIV testing and diagnosis that occurred during the first 2 years of COVID-19
- List 3 policy suggestions to address issues impacting our ability to end the HIV epidemic

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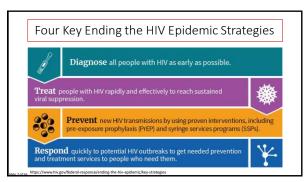
Strategies and Goals for Ending the US HIV Epidemic

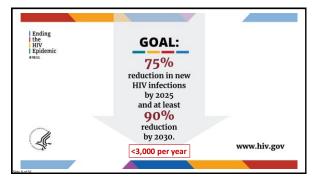
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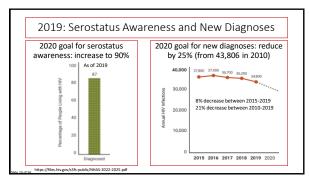
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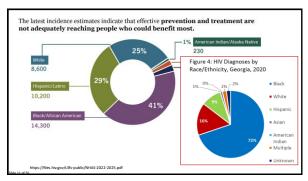
## Ending the HIV Epidemic Initiative, 2019 Phase I Jurisdictions: 48 counties, 7 states, D.C., San Juan, PR • Goal: end the US HIV epidemic by 2030 • Targeted toward "hot spot" areas accounting for >50% of new diagnoses & states with "substantial" rural prevalence • 4 jurisdictions identified as "Jump Start" sites • Primary funding streams • CDC to state, local health departments • IRSA: HIV/JAIDS Bureau (Ryan White) and Bureau of Primary Care (health centers) • NIH: Centers for AIDS Research; NIMH ARC • Indian Health Service

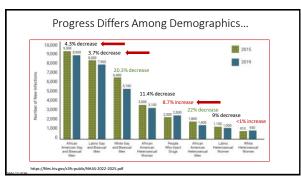


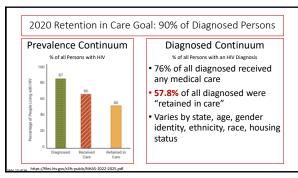


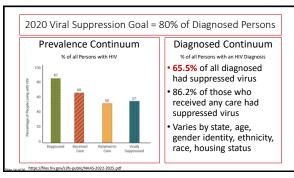


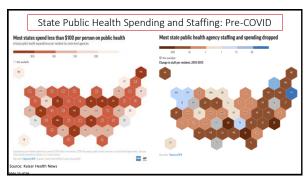


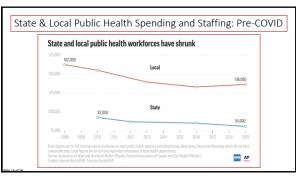












### Our HIV Workforce Was Inadequate Pre-COVID

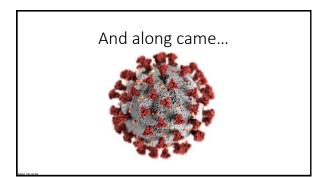
- Urban-rural disparity in South (pre-COVID)1 81% of counties had no experienced HIV clinician

  - 4% of experienced HIV clinicians in rural areas
     > 20,000 PWH lived in counties without an experienced HIV clinician
- 80% of counties had no ID specialist (2017)<sup>2</sup>
  - 2022 ID match: 56% of programs & 74% of positions filled<sup>3</sup>
- Quality gap between HIV experts (<20 pts/yr) and others in NY state (2015)<sup>4</sup> Need to increase baseline HIV expertise among primary care, ID clinicians

  - Need to incentivize HIV medicine



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It is going to take a while to sort out the impact of COVID-19

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Cumulative COVID-19 Age-Adjusted Mortality Rates by Race/Ethnicity, 2020-2022 Rates per 100,000 population Click on the buttons below to see data for the different metrics:

Cases Deaths 463.7 **KFF** 

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### Causes of Disproportionate Impact of COVID-19

- Structural racism
- Underlying health comorbidities
- Living in high density neighborhoodsEmployment in public-facing occupations
- Societal inequities such as limited access to COVID
- Disparities in COVID vaccination rates





### COVID-19 Impact on US Health Departments

"The COVID-19 response has taken time, attention, and personnel away from all other unrelated health priorities as underfunded and understaffed health departments respond to this incredible crisis.

However, in doing so, existing services are strained or paused, with health impacts that will ripple through communities."

- National Association of County and City Health Officials

Spinner, T. Report from the Field: The Impact of COVID-19 on Local Health Department HIV, STI, and Hepatitis Programs. National Association of County and City Health Officials. Apr.: 2009. https://www.marcho.no.phina/particles/report.from.the.field.the.impact.of\_covid-19.on\_local.health.department.hiv.cti.on/sheepitis.organizes

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### COVID-19 Impact on US Health Departments

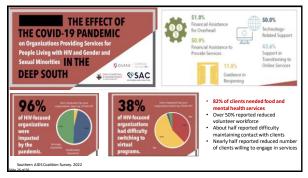
- Suspended or reduced services for HIV, STI, viral hepatitis to shift staff to manage COVID-19 response and comply with social distancing needs
  - Some local HDs closed entirely or closed for walk-in visits
  - Some STI clinics offered services only for symptomatic persons or known contacts of persons diagnosed with STIs
  - Many local HDs suspended community outreach, education, prevention services
  - Some HDs stopped HIV PrEP initiation for new clients
- · Syringe service programs: some closed; some reduced services
- Concern about consequences of new and untreated infections
- Disparate effect on smaller health departments; less ability to rebound

Spinner, T. Report from the Field: The Impact of COVID-19 on Local Health Department HIV, STI, and Hepatitis Programs. National Association of County and City Health Officials. Apr.15, 2020. https://www.naccho.org/blog/articles/report-from-the-field-the-impact-of-covid-19-on-local-health-department-hiv-sti-and-hepatitis-programs

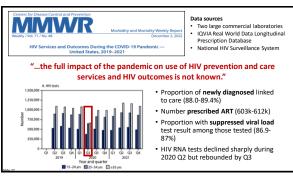
### Pandemic Solutions by Local Health Departments

- Telemedicine: screening, counseling, case management, partner services
- Express STI testing: limiting face-to-face provider contact
- Home testing programs, including for HIV
- Syndromic management and presumptive treatment: CDC guidance
- Syringe service programs
  - Make appointments by phone for syringe pick up
  - Increased number of syringes per visit
  - Mailing naloxone to clients

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CDC: HIV Diagnoses Decreased 17% in 2020

The steep reduction in diagnoses in 2020 is likely due to disruptions in clinical care services, patient hesitancy in accessing clinical services, and shortages in HIV testing reagents/materials, which causes concern regarding underdiagnosis.

Data for the year 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing, care-related services, and case surveillance activities in state/local jurisdictions.

Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2020. HIV Surveillance Supplemental Report 2022;27(No. 3).

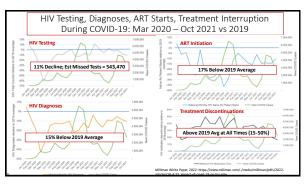
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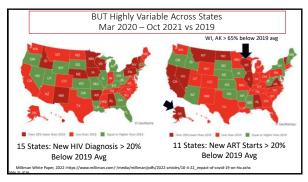
Disruptions in HIV Testing, Diagnosis, Treatment, PrEP Use According to Claims Data: Mar 2020 – Oct 2021 Analysis by Milliman, Funding from Gilead Sciences

- Based on IQVIA Longitudinal Access and Adjudicated Data (LAAD)
   Includes private insurance, Medicare, Medicaid: 80% of HIV pharmacy claims, 60% of medical claims
- Excludes uninsured patients
- Does not track patients moving from one type of coverage to another or from one geographic location to another
- Overlap with Ryan White not specified

Milliman White Paper, 2022: https://www.milliman.com/-/media/milliman/pdfs/2022-articles/10-4-22\_impact-of-covid-19-on-hiv.ast

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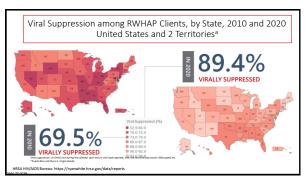


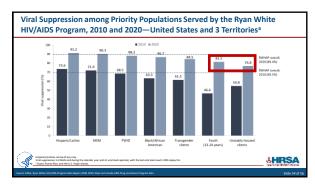
COVID Disruptions: Major Metropolitan Statistical Areas
14 MSAs with Testing, Diagnosis & New Treatment Initiation < 2019 Levels

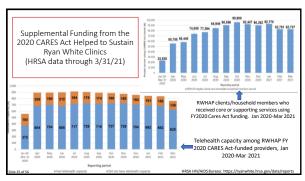
Atlanta-Sandy Springs-Alpharetta, Georgia
Baltimore-Columbia-Towson, Maryland
Cambridge-Newton-Framingham, Massachusetts
Columbus, Ohio
Denver-Aurora-Lakewood, Colorado
Fort Worth-Arlington-Grapevine, Texas
Memphis, Tennesvese-Mississippi-Arkansas
Nassau County-Suffok County, New York
Philadelphia, Pennsylvania
Pittsburgh, Pennsylvania
Rochester, New York
Sacramento-Roseviller-Folsom, California
Seattle-Bellevue-Kent, Washington
Tampa-St. Petersburg-Clearwater, Florida

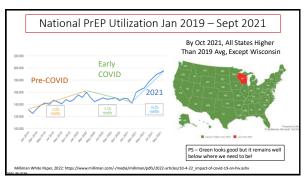
As of Oct 2021:
Testing
Only 7 MSAs had levels ≥ 2019
Diagnosis

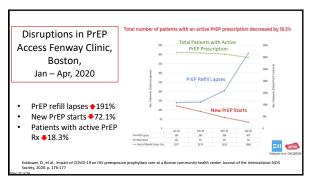
• 13 MSAs ≥20% below 2019
Treatment
• 10 MSAs ≥20% below 2019

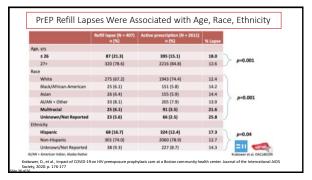


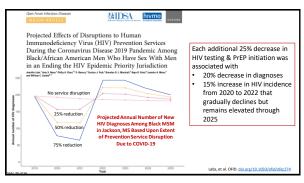


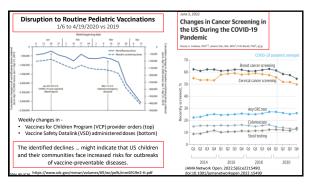












### COVID-19 Impacts on HIV/STI Prevention and Care

- Disruptions in testing, prevention, care services
  - Reduced staffing capacity: not enough and staff out for COVID quarantine or isolation
  - · Shortage of testing materials for HIV and STIs
  - Decreased HIV/STI testing and PrEP initiation
  - Shift to syndromic management of STIs
  - Decreased routine care access: cancer screenings, routine vaccinations
- Hesitation by patients/clients to access services
- COVID overshadowed all other health messaging
- Detrimental impact on mental health and substance use
- Increased anxiety, depression; less access to mental health services
- Higher rates of overdose and substance use; less access to services for substance use disorders

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### What Will It Take?

COVID-19 disruptions in HIV testing and prevention highlight need for innovation and investment before the next public health emergency CDC MMWR 12/2/2022

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Call to Action: What is needed for the US Ending the HIV Epidemic Initiative to succeed? The Lancet, Feb. 19, 2021

- Universal access to quality health care, safety net programs, and curtailing high HIV drug costs
- Culturally appropriate approaches for Black & Latinx men who have sex with men; more data on trans people, people who inject drugs
- All clinical trials for prevention/treatment of HIV should enroll women in sufficient numbers to permit meaningful analysis by sex and gender
- Eliminate race, class, gender inequities, discrimination, structural violence
- Access to affordable or no cost PrEP
- Promote the message: Undetectable = Untransmittable (U = U)
- Integrate mental health, substance use programs into clinical care

Beyrer C, Adimora A, Hodder S, et al. Call to Action: What is needed for the Ending the HIV Epidemic in the USA Initiative to Succeed? 2021 Mar 20;397(10279):1151-1156. doi: 10.1016/S0140-6736(21)00390-1.Epub 2021 Feb 19.

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Appropriations Have Not Matched Funding Levels Needed to Meet **EHE Goals** 

### FALLING FURTHER BEHIND ENDING THE HIV EPIDEMIC INITIATIVE FUNDING: REQUESTED VERSUS APPROPRIATED (US\$ MILLIONS)

"Policy, public health, clinician, and community stakeholders must prioritise strategies that attend to the social inequities at the intersection of race, gender, class, age, and sexuality that compound the impacts of HIV and COVID-19 in Black communities.

The racial disparities that so rapidly emerged with COVID-19 are a reminder that until these inequities are addressed, disparities in HIV and COVID-19 outcomes will persist and ending the HIV epidemic will remain elusive."

Errol L Fields, Raniyah Copeland, Ernest Hopkins. Same script, different viruses: HIV and COVID-19 in US Black communities. The Lancet. Feb. 19, 2021. doi.org/10.1016/50140-6736(20)32522-8

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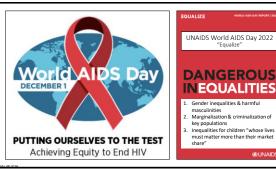
### Concrete Policy Suggestions: Advocacy Needed

- Expand Medicaid in the remaining 11 states
- Build diverse primary care, ID, and public health workforces in urban and rural settings, especially in the South
  - Fund the BIO Preparedness Workforce Pilot as part of the PREVENT Pandemics Act, providing loan forgiveness for HIV/ID providers in underserved areas
     Fully fund HRSA's FY2023 \$2.1 billion workforce programs budget request

  - Educate primary care providers to manage PrEP, initial ART, & care for people with HIV; maximize telehealth education and rapid access to HIV experts
- Fully fund EHE, CDC HIV/STI/viral hepatitis, HRSA Ryan White
- Fully fund the proposed President's US PrEP Program at \$6.2B over 10 years
- Fully fund innovative solutions adopted during COVID to sustain and expand telehealth, flexibility with regulations, extended Rx fills, home HIV/STI testing
- Eliminate policies that stigmatize minorities by sexual orientation, gender

identity, race, ethnicity

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### Changes

- Formatted title slide, financial disclosures, and learning objectives.
- Added slide number throughout.
- Slide 17: Added space and corrected quotation mark in 'Walensky, R et al. "Where is the ID in COVID-19?"'
- Slide 44: Changed "transpersons" to "trans people"

Slide 50 c

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### Queries

- Please reduce the number of slides to ensure you can complete this presentation in no more than 30 minutes.
- Please remove back up slides that are no longer needed for your presentation.
- Ensure that you have permission to use photos/graphs in this slide set that were previously published elsewhere (eg, KFF, KHN, the Associated Press, GLAAD).

Slide 51 of X

Back-Up Slides

