

Role	HIV	Gonorrhea & Chlamydia	Male Syphilis Desk	Female & Congenital Synhilis Desk	OOJ Desk (All Conditions)	Viral Hep B & C Desk	Mpo
Disease Intervention Specialist	2		1	2	1	1	
Senior Data Entry Operator		5					
Public Health Administrator		1	1	1		1	1
MD Intern				2			
Supervising Communicable Disease Investigator			1				
CDC Public Health Associate Program Staff						1	



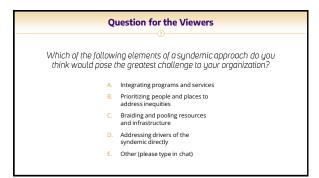
### Data and Epidemiologic Context: Co-Infections, Chicago, 2022

Condition	Number of Cases	Number Coinfected with HIV	Percent Coinfected with HIV	Percent Coinfected Who are Cis Male	Percent Coinfected Who are Cis MSM
P & S Syphilis	806	203	25.2%	96.6%	85.7%
Gonorrhea	12,382	1,550	12.5%	97.3%	82.3%
Chlamydia	27,596	1,562	5.7%	93.2%	78.7%
Мрох	1,116	488	43.7%	91.8%	88.1%
Tuberculosis	111	20	18.0%	90.0%	55.0%
HCV (New Dx)	956	59	6.2%	89.9%	70.0%
HCV (Prevalent)	20,747	945	4.6%	78.3%	50.3%

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# Advantages: Syndemic Surveillance

- Communication improvement between surveillance and HIV, STI, Mpox, VH, and TB care and prevention programs
- Allows data sharing between programs within the Bureau with little to no effort
- Timely identification and analyses of co-morbidities and syndemics
- Link surveillance data with care and prevention programs (e.g., Ryan White)
- Link clinical services data with surveillance data
  Understand how quantitative data can be used for:
- -Programmatic decisions
- -Measuring effectiveness of healthcare providers in this new environment
- Decrease Transmission/Reduction in new HIV cases through:
   —Increased treatment pathways/continuity of care for those living with HIV
  - -Increased prevention pathways
- Better tracking of socio-behavioral data to address identified factors using optimized interventions





### Collaborative Resources

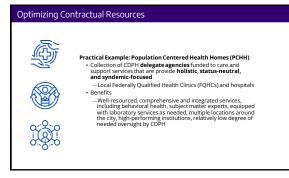
Programmatic

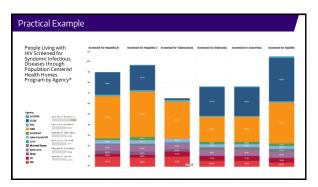
- VH RFP for services for people who use drugs will be released as part of a long-standing HIV RFP
- -Braiding funding and conditions
- Build current delegates' capacity to provide syndemic services
   --TB housing can perhaps be combined with SID Bureau housing
   in other programs

#### Resource sharing

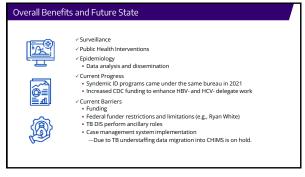
- --Substance Use Health organizations with **linkage agreements** to TB Program can be engaged to support VH work



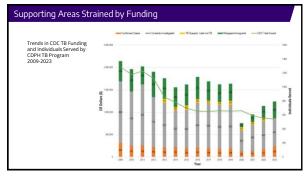


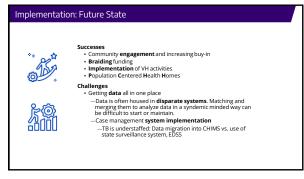


Optimization	of CDPH Resources	
() ***** ()	Services in CDPH STI Clinics • Screening and treatment gonorrhea, chlamydia, syphilis • Physical evaluation • Rapid HV screening • Ancillary services such as expedited partner therapy (EPT) and Partner Services • DrEP services • Doxycycline Post-Exposure Prophylaxis (doxy-PEP) • Adult vaccines • Patient Health Questionnaire – 9 (PHQ-9) for assessment of depression symptoms • Pregnancy tests Future state: can we expand services to be more syndemic for the benefit of Chicago residents?	









### Acknowledgments

We want to thank all members of our incredible SID Bureau team for their hard work and dedication to Chicago.

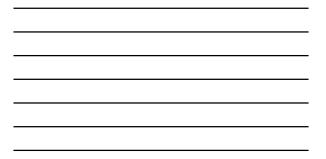
Without them none of what we've discussed today could be possible!

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#### Key Takeaways

- ✓ A syndemic approach prioritizes and maximizes resources by taking a coordinated approach to intersecting epidemics.
- ✓ Syndemic approaches can be incorporated into all areas of public health—from surveillance to service delivery to policy.
- Implementing a syndemic model doesn't happen overnight and must be achieved through intentional efforts to blend programmatic and reporting structures.
- A syndemic approach streamlines data analysis by blending surveillance systems and reducing the red tape often required to share information between departments.
- A syndemic approach doesn't look the same at every organization. It's structured to **help your organization serve your communities best**. ~







# References

- Sager M. Bulled, N. Oranzk, B. J. & Monochrall, E. (2017). Syndemica and the biosocial conception of health. *Lancet* (London, England), J89(10072), 447–458. Historican and Paril Michael Careford (2018). A conception of health. *Lancet* (London, England), J89(10072), DCC, (2024, May 158), L4.5 Overdoor Deaths Deverse in 2023 (Paris Time Sine 2018) (Paris Inteaux).
- 2.
- 3. 4.
- rational concept LL seas-immentationales Cartison, J. M., Tanika, M., Woodwork, K. R., Beynolds, M. R., Shinde, N., Anderson, B., Hobeheidar, K., Praag, A., Campbell, K., Carpentieri, C., Willabu, T., Burkhardt, E., Torrone, E., O'Callaghan, K. P., Miele, N., Masney-Oleman, D., Gilsoa, S. M., Olema, E. O., & May, U. 2023. Substance to ele Among Pensors with System Burling Programs-Arizon and Georgan. 2018;2021. MMM: Morkidig and morality weekly report 27(2), 53–67.
- https://doi.org/uu.isabarmmvr.mm/.clasa CDC. Viral Hepatitis Surveillance Report United States, 2021. Published August 2023. Accessed January 26, 2024: https://www.cdc.gov/hepatitis/statistics/2021.surveillance/index.htm. Published August, 2023 6.
- Lyss, S. B., Buchacz, K., McClung, R. P., Acher, A., & Oster, A. M. (2020). Responding to Outbreaks of Human Immunodeficiency Virus Among Persons Who Inject Drugs-United States, 2016-2019. Perspectives on Recent Experience and Lessons Learned. *The Journal of Infectious Diseases*, 222(Suppl 5), 5239–5209. <u>Improvide orgen 10 (2016)</u> 7.
- Massachusetts Department of Public Health, Boston Hublic Health Commission. (2021, March 15). Increase in newly diagnosed HIV infections among persons who higher drugs in Boston. Integr. News. mass.gov/doc/joint:mdph.and.bph:clinical-advisory-hitetanamassan-throwth-intection-drum-moden 8.
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