

### Who We Are **Mount Sinai Institute for Advanced Medicine** Clinics Across Manhattan · Five-site network of hospital and ✓ Morningside Clinic ✓ Samuels Clinic ✓ Jack Martin Clinic ✓ The Downtown Clinic ✓ Peter Kruger Clinic community-based clinics caring for more than 13,000 people with and at-risk for HIV Co-located, comprehensive services to reduce barriers and increase a patient-centered approach to care This QI Initiative took place across the five clinics among primary care providers who prescribe PrEP

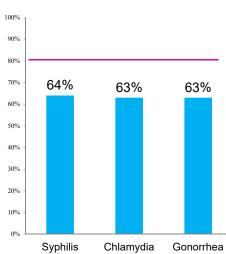
#### STIs in New York City

## Reportable Sexually Transmitted Infections NYC, 2016 vs 2017

Disease	2016	2017	% Change
Chlamydia trachomatis (CT)	66,632	71,660	7.5%
Neisseria gonorrhoeae (GC)	18,981	23,479	23.7%
Treponema pallidum (Syphilis)			
Primary & Secondary	1,923	1,796	- 6.6%
Early Latent	3,015	3,343	10.9%
Latent	2,829	2,846	0.7%
Congenital Syphilis	10	7	- 30.0%
Chancroid	0	0	

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# STI Screening Rates Among PrEP Users Baseline Data- Mount Sinai IAM n = 200 (Sept - Nov 2017)



#### STI Screening-

Recommended every 3 months as part of PrEP

#### **How We Were Doing-**

In low 60's → need for improvement n= 200 visits (random sample of PrEP visits among 8 providers)

#### Where We Want to Be-

Can we get to 75% after the next two quarters?

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#### **Methods-Intervention**

Electronic Medical Record Enhancements were being developed which included:

- Counseling and education language regarding STI treatment and prevention
- Bundled lab orders (SmartSets) that could promote ordering of STIs in tandem with other labs

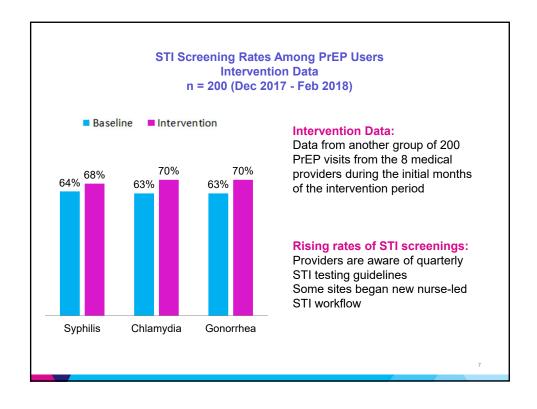
EMR enhancement guidance was paired with clinical guideline education for PrEP provision and delivered to all 5 clinic sites.

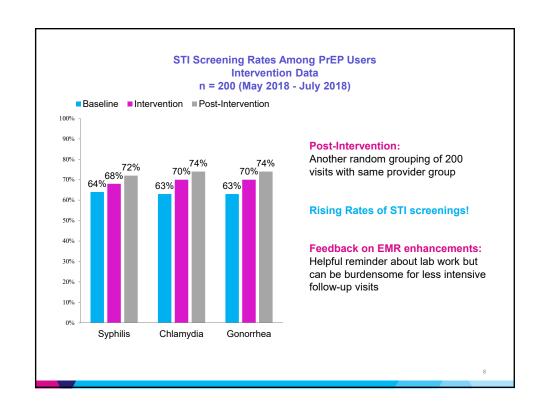
- Baseline STI data was shared
- Goals were identified
- Barriers were identified

EMR enhancements also have benefits for project team

- · PrEP consumers are identified much more easily
- Selections made in enhancements are now variables that can be queried with less reliance on free text



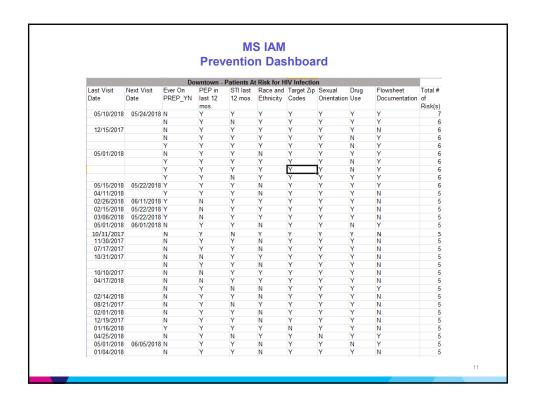




#### **Takeaways/Next Steps**

- Medical providers use of EMR Enhancements showed to be correlative of higher STI screenings
  - EMR enhancements could be a feasible way to support medical providers to stay within PrEP provision guidelines
  - Did NOT account for 3 site testing, was just looking at the presence or absence of chlamydia or gonorrhea testing
- Future work can look at:
  - Which demographics of patients were more likely to have STI screening vs. demographics of patients least likely, if any difference
  - Which providers were more likely to utilize enhancements, and did they adhere better to STI guidelines than providers who documented without them
  - Other screening tests such as HIV, Hepatitis serologies, etc
  - Expanding beyond subsets looking at the whole population
- ▶ How long does progress last?
  - What steps are needed to continue momentum?

**MS IAM Prevention Dashboard** IAM PrEP Dashboard Institute for Advanced Medicine Mount Report Date: 11/7/2018 Sinai HIV Negative patients age 13+ 6831 1194 3003 Jack Martin 1217 120 70 975 13 113 Morningside 20 75 33 188 459 142 Samuels 59 CTMS



#### **Thanks**

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#### **Acknowledgements**

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