**Supplementary Table S1. Laboratory tests and ICD-10 codesb used to identify individuals with indications for HIV pre-exposure prophylaxis (PrEP).**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **PrEP indication** | **ICD 10 codes** | **Description** |
| a) | A recent diagnosis of a sexually transmitted bacterial infection (chlamydia, gonorrhea, or syphilis)a  | A53  | An encounter where a sexually transmitted bacterial infection was diagnosed (chlamydia, gonorrhea, or syphilis)aOr |
| -- | A positive laboratory test for a bacterial sexually transmitted infection (chlamydia, gonorrhea, or syphilis) a  |
| b) | Contact or exposure to sexually transmitted infection | Z20.6, Z20.2 | Contact with and (suspected) exposure to HIV or other infections with a predominantly sexual mode of transmission |
| c) | High-risk sexual behavior including1. Condomless sex
2. Transactional sex
3. Sex with HIV+ partner or HIV status unknown
4. ≥1 sex partners in recent 6 months
 | Z72.51, Z72.52 Z72.53 | High-risk heterosexual, homosexual or bisexual behavior |
| d) | Been in a drug treatment program or has a recent/current history of injection drug use or current history of sharing needles/equipment | W46.1, W46.0 | Contact with (contaminated) hypodermic needle  |
| F11, F14, F15 F19.20 | Substance use disorders |

a Chlamydia infection was only considered to be a PrEP indication for males.20

b New York State Department of Health. Recommended ICD 10-CM Codes for PrEP (Pre-exposure Prophylaxis) and PEP (Postexposure Prophylaxis). Available at: https://www.health.ny.gov/diseases/aids/general/prep/docs/icd\_codes.pdf. Accessed April 30, 2019.

**Supplementary Table S2. HIV pre-exposure prophylaxis (PrEP) indications for 41 individuals who were prescribed PrEP at an urban safety-net health system, 2015 – 2019.**

|  |  |  |
| --- | --- | --- |
| Indication for PrEP | Females *(n %)* | Males *(n %)* |
| Bacterial STI | -- | 8 (30) |
| Condomless sex | 2 (14) | -- |
| Drug use disorder | 1 (7) | 1 (3) |
| Exposure to STI  | 6 (43) | 4 (15) |
| Diagnosis code for ‘high-risk sexual behavior’ | 5 (36) | 14 (52) |

STI: Sexually transmitted infection

**Supplementary Table S3. Prevalence estimates of HIV pre-exposure prophylaxis (PrEP) among patients with indications for PrEP at an urban safety-net health system, 2015 – 2019.**

|  |  |  |
| --- | --- | --- |
| Year | Number of patientswith a history of PrEP prescription | Number of patientswith a visit with a documented indication for PrEP |
| 2015 | 1 | 693 |
| 2016 | 1 | 699 |
| 2017 | 7 | 746 |
| 2018 | 15 | 721 |
| 2019 | 14 | 706 |
| Prevalence | **Estimate (95% CL)** |
| 1.1% (0.70%, 1.6%) |

CL: Confidence limits