**Supplemental Digital Content 1**

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| **Table 1. Selected characteristics of reported syphilis cases (all stages) with neurologic, ocular, and otic manifestations stratified by HIV status — 16 states, 2019a** |
| **Characteristic** | **Syphilis cases** | **Neurologic manifestations** | **Ocular manifestations** | **Otic manifestations** |
|  | **n** | **n (%, Row)** | **n (%, Row)** | **n (%, Row)** |
| TotalSyphilis surveillance stageb HIV-infected early syphilis HIV-infected late syphilis HIV-negative early syphilis HIV-negative late syphilis HIV status unknown early syphilis HIV status unknown late syphilis | 41,1879,7412,81712,4436,0464,9865,154 | 445 (1.1)95 (0.98)84 (2.98)87 (0.70)81 (1.34)33 (0.66)65 (1.26) | 461 (1.1)102 (1.05)66 (2.34)101 (0.81)92 (1.52)38 (0.76)62 (1.20) | 166 (0.4)31 (0.32)20 (0.71)53 (0.43)29 (0.48)14 (0.28)19 (0.37) |
| Race/Hispanic ethnicity HIV-infected, Black, non-Hispanic HIV-infected, White, non-Hispanic HIV-infected, Other, non-Hispanic HIV-infected, Hispanic HIV-infected, missing/unknown race/ethnicity HIV-negative, Black, non-Hispanic HIV-negative, White, non-Hispanic HIV-negative, Other, non-Hispanic HIV-negative, Hispanic HIV-negative, missing/unknown race/ethnicity HIV status unknown, Black, non-Hispanic HIV status unknown, White, non-Hispanic HIV status unknown, Other, non-Hispanic HIV status unknown, Hispanic HIV status unknown, missing/unknown race/ethnicity | 6,8632,4341,3591,820827,7025,5851,8672,8884474,1502,7516891,595955 | 70 (1.02)71 (2.92)24 (1.77)13 (0.71)1 (1.22)46 (0.60)95 (1.70)15 (0.80)7 (0.24)5 (1.12)29 (0.70)48 (1.74)8 (1.16)8 (0.50)5 (0.52) | 58 (0.85)70 (2.88)23 (1.69)15 (0.82)2 (2.44)47 (0.61)112 (2.01)18 (0.96)10 (0.35)6 (1.34)23 (0.55)47 (1.71)12 (1.74)12 (0.75)6 (0.63) | 15 (0.22)25 (1.03)8 (0.59)3 (0.16)0 (0)21 (0.27)54 (0.97)5 (0.27)1 (0.03)1 (0.22)9 (0.22)16 (0.58)1 (0.15)5 (0.31)2 (0.21) |
| Injection drug use past 12 months (IDU) HIV-infected, yes, IDU HIV-infected, no, IDU HIV-infected, missing/unknown IDU status HIV-negative, yes, IDU HIV-negative, no, IDU HIV-negative, missing/unknown IDU status HIV status unknown, yes, IDU HIV status unknown, no, IDU HIV status unknown, missing/unknown IDU status | 3256,8865,34797213,1254,3922851,6858,170 | 13 (4.00)104 (1.51)62 (1.16)22 (2.26)98 (0.75)48 (1.09)10 (3.51)33 (1.96)55 (0.67) | 16 (4.92)104 (1.51)48 (0.90)23 (2.37)129 (0.98)41 (0.93)14 (4.91)34 (2.02)52 (0.64) | 5 (1.54)31 (0.45)15 (0.28)16 (1.65)51 (0.39)15 (0.34)5 (1.75)15 (0.89)13 (0.16) |
| Sex and sex of sex partners HIV-infected men who have sex with menc HIV-infected men who have sex with women only HIV-infected men with unknown sex of sex partners HIV-infected women HIV-infected with missing/unknown sex HIV-negative men who have sex with men HIV-negative men who have sex with women only HIV-negative men with unknown sex of sex partners HIV-negative women HIV-negative with missing/unknown sex HIV status unknown men who have sex with men HIV status unknown men who have sex with women only HIV status unknown men with unknown sex of sex partners HIV status unknown women HIV status unknown with missing/unknown sex | 7,2774774,50130125,9164,1732,6495,74651,8331,1134,7142,4746 | 106 (1.46)11 (2.31)49 (1.09)12 (3.99)1 (50.00)40 (0.68)36 (0.86)27 (1.02)65 (1.13)0 (0)12 (0.65)13 (1.17)44 (0.93)29 (1.17)0 (0) | 99 (1.36)17 (3.56)43 (0.96)8 (2.66)1 (50.00)56 (0.95)44 (1.05)20 (0.76)73 (1.27)0 (0)19 (1.04)10 (0.90)44 (0.93)27 (1.09)0 (0) | 35 (0.48)1 (0.21)7 (0.16)8 (2.66)0 (0)26 (0.44)12 (0.29)9 (0.34)35 (0.61)0 (0)6 (0.33)5 (0.45)7 (0.15)15 (0.61)0 (0) |
| aStates reporting ≥70% of syphilis cases ≥15 years old with clinical manifestation response values that were not missing or unknown in 2019 were included in the analysis. Values shown for prevalence represent the total of verified, likely, and possible neurologic, ocular, and otic clinical manifestations.bEarly syphilis was defined as those cases assigned a syphilis surveillance stage of primary, secondary, or early non-primary non-secondary and late syphilis was defined as those cases staged as unknown duration or late.cThe men who have sex with men category included gay, bisexual, and other men who have sex with men. |