



American Men's Internet Survey (AMIS): Online HIV Behavioral Survey of Men Who Have Sex with Men United States, 2018



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The *American Men's Internet Survey (AMIS)* online HIV behavioral survey of men who have sex with men is conducted by PRISM Health at Emory University, Atlanta, Georgia. Funding is provided through the National Institutes of Health.

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Introduction

Men who have sex with men (MSM) contribute to over half of the more than one million adults living with HIV in the United States[1]. Incidence estimates of HIV infection from 2008 to 2011 have shown an increase in the number of new infections among MSM [2], due to factors including high prevalence, sexual risk behaviors, and not being aware of HIV status. The National HIV Behavioral Surveillance System (NHBS), using venue-based sampling to collect risk behavior data from high-risk populations, has found continued sexual risk and drug use behaviors associated with increased HIV risk among MSM [3]. The Centers for Disease Control and Prevention (CDC) recommends annual HIV testing for sexually active MSM (and more frequent for those with multiple sexual partners) [4], but 2011 NHBS data found only about 67% of HIV-negative or unknown status MSM reported an HIV test in the previous 12 months [5]. Monitoring HIV risk and testing behaviors among MSM is important in understanding epidemic trends and the impact of prevention efforts, including behavioral interventions and strategies to increase HIV testing.

An increasing number of MSM are socializing and identifying sexual partners through the internet, and recruiting MSM online offers an opportunity to supplement venue-based studies, such as NHBS, by including at-risk MSM that may not be reached through traditional means, such as bars and clubs [6]. Additionally, online HIV behavioral surveys allow for the collection of data from a large sample of MSM with broad geographic diversity. This report summarizes findings from a large online HIV behavior survey among MSM. The *American Men's Internet Survey (AMIS)* is a multi-cycle cross-sectional online HIV behavioral survey collecting self-reported data on demographic characteristics, HIV risk behaviors, HIV testing behaviors, and use of HIV prevention services among internet-using MSM in the United States and dependent territories. Participants were recruited online through banner advertisements (ads), and were consented and screened for eligibility after clicking on the ads. Men were eligible for participation if they were 15 years of age or older, U.S. residents, reported ever having oral or anal sex with a man OR identify as gay or bisexual, and able to complete the survey in English. Men who were eligible to participate in the survey completed a self-administered online survey. The survey consisted of a core questionnaire that every participant answered and 2 different subset questionnaires that participants were randomized to at the start of the survey. The core questions were comprised of the following domains: demographics, sexual behavior, HIV testing history, drug and alcohol use, acute HIV infection and other infections, and HIV prevention services exposure. Participants could decline to answer any question. Data were collected using encrypted HIPAA-compliant survey software and stored on an access-restricted secure data server. AMIS is a national research study conducted by Emory University; the procedures and materials were reviewed and approved by Emory's Institutional Review Board.

The tables in this report include data from the 2018 cycle of AMIS, collected between September 2018 and November 2018, among respondents reporting residence in United States. For demographic categories with small cell sizes, data were collapsed or suppressed to prevent identification using the following criteria: 1) all cell sizes <5 in Table 1 were suppressed or categories were combined into smaller subgroups, 2) for all remaining tables, cell sizes in the sample number (denominator) <5 were suppressed or combined into smaller subgroups, 3) where the sample size of a subgroup with <5 in the sample could be determined based on the sample numbers in the remaining subgroups, all data were suppressed. Study questions and full categories are available in Appendix A. These data were collected as a convenience sample and may not be representative or generalizable to all MSM living in a given state.

Table 1. Characteristics of participants in an online survey of MSM, United States, American Men's Internet Survey (AMIS), 2018

| | | N | % |
|----------------------------------|--|----------|----------|
| Race/ethnicity* | Black, non-Hispanic | 553 | 5.5 |
| | Hispanic | 1630 | 16.1 |
| | White, non-Hispanic | 7011 | 69.2 |
| | Other or multiple races | 749 | 7.4 |
| Age (years) | 15-24 | 4230 | 41.8 |
| | 25-29 | 1308 | 12.9 |
| | 30-39 | 1503 | 14.8 |
| | 40 or older | 3088 | 30.5 |
| Education | < HS diploma | 797 | 7.9 |
| | HS diploma or equivalent | 1527 | 15.1 |
| | Some college or technical degree | 3419 | 33.8 |
| | College degree or postgraduate education | 4275 | 42.2 |
| Household income | \$0 to \$19,999 annually (\$0 to \$1,667 monthly) | 1356 | 13.4 |
| | \$20,000 to \$39,999 annually (\$1,668 to \$3,333 monthly) | 1864 | 18.4 |
| | \$40,000 to \$74,999 annually (\$3,334 to \$6,250 monthly) | 2510 | 24.8 |
| | \$75,000 or more annually (\$6,251 or more monthly) | 3294 | 32.5 |
| NCHS Urban/Rural category | Large central metro | 3680 | 36.3 |
| | Large fringe metro | 2110 | 20.8 |
| | Medium metro | 3317 | 32.7 |
| | Small metro | 1013 | 10.0 |

Percentages may not total 100% due to missing data

MSM=men who have sex with men

HS=high school

NCHS=National Center for Health Statistics

***Persons of Hispanic/Latino ethnicity may be of any race**

NOTE: data may be combined or suppressed due to small cell sizes

Table 1. Characteristics of participants in an online survey of MSM, United States, American Men's Internet Survey (AMIS), 2018

| | | N | % |
|---|---------------------------------|----------|----------|
| Self-reported HIV status | Positive | 616 | 6.1 |
| | Not positive | 6725 | 66.4 |
| | Unknown (includes never tested) | 2788 | 27.5 |
| Anal sex without a condom with a male partner, past 12 month | No | 3203 | 31.6 |
| | Yes | 6926 | 68.4 |
| Illicit substances used, past 12 months | No | 6433 | 63.5 |
| | Yes | 3696 | 36.5 |
| Total | | 10129 | 100.0 |

Percentages may not total 100% due to missing data

MSM=men who have sex with men

HS=high school

NCHS=National Center for Health Statistics

**Persons of Hispanic/Latino ethnicity may be of any race*

NOTE: data may be combined or suppressed due to small cell sizes

Table 2. Sexual behaviors with male partners of participants in an online survey of MSM, United States, American Men's Internet Survey (AMIS), 2018

| | | | Sexual behaviors with male partners in the past 12 months | | | | | |
|------------------------|------------------------|-------------------------|--|--|----------|--|----------|------|
| | | | | Anal intercourse with a male partner without a condom | | Anal intercourse without a condom with a male partner of discordant or unknown HIV status | | |
| | | | No. in sample | N | % | N | % | |
| Not positive | Age (years) | 15-24 | 4187 | 2626 | 62.7 | 799 | 19.1 | |
| | | 25-29 | 1268 | 965 | 76.1 | 292 | 23.0 | |
| | | 30-39 | 1399 | 1072 | 76.6 | 308 | 22.0 | |
| | | 40 or older | 2659 | 1764 | 66.3 | 653 | 24.6 | |
| | Race/ethnicity* | Black, non-Hispanic | 456 | 294 | 64.5 | 130 | 28.5 | |
| | | Hispanic | 1557 | 1049 | 67.4 | 367 | 23.6 | |
| | | Other or multiple races | 720 | 449 | 62.4 | 166 | 23.1 | |
| | | White, non-Hispanic | 6605 | 4526 | 68.5 | 1357 | 20.5 | |
| | Total | | | 9513 | 6427 | 67.6 | 2052 | 21.6 |
| | Positive | Age (years) | 15-24 | 43 | 37 | 86.0 | 24 | 55.8 |
| 25-29 | | | 40 | 37 | 92.5 | 24 | 60.0 | |
| 30-39 | | | 104 | 86 | 82.7 | 60 | 57.7 | |
| 40 or older | | | 429 | 339 | 79.0 | 230 | 53.6 | |
| Race/ethnicity* | | Black, non-Hispanic | 97 | 69 | 71.1 | 39 | 40.2 | |
| | | Hispanic | 73 | 58 | 79.5 | 41 | 56.2 | |
| | | Other or multiple races | 29 | 21 | 72.4 | 13 | 44.8 | |
| | | White, non-Hispanic | 406 | 341 | 84.0 | 240 | 59.1 | |
| Total | | | 616 | 499 | 81.0 | 338 | 54.9 | |

Percentages may not total 100% due to missing data

MSM=men who have sex with men

*Persons of Hispanic/Latino ethnicity may be of any race

NOTE: data may be combined or suppressed due to small cell sizes

Table 3. Substance using behaviors of participants in an online survey of MSM, United States, American Men's Internet Survey (AMIS), 2018

| | | | <i>Substance use in the past 12 months</i> | | | | | |
|------------------------|------------------------|-------------------------|--|-----------------------|----------|--|----------|------|
| | | | <i>No. in sample</i> | <i>Used marijuana</i> | | <i>Used illicit drugs other than marijuana</i> | | |
| | | | | <i>N</i> | <i>%</i> | <i>N</i> | <i>%</i> | |
| Not positive | Age (years) | 15-24 | 4187 | 1611 | 38.5 | 861 | 20.6 | |
| | | 25-29 | 1268 | 427 | 33.7 | 312 | 24.6 | |
| | | 30-39 | 1399 | 468 | 33.5 | 332 | 23.7 | |
| | | 40 or older | 2659 | 540 | 20.3 | 410 | 15.4 | |
| | Race/ethnicity* | Black, non-Hispanic | 456 | 122 | 26.8 | 60 | 13.2 | |
| | | Hispanic | 1557 | 544 | 34.9 | 339 | 21.8 | |
| | | Other or multiple races | 720 | 269 | 37.4 | 176 | 24.4 | |
| | | White, non-Hispanic | 6605 | 2071 | 31.4 | 1311 | 19.8 | |
| | Total | | | 9513 | 3046 | 32.0 | 1915 | 20.1 |
| | Positive | Age (years) | 15-24 | 43 | 22 | 51.2 | 12 | 27.9 |
| 25-29 | | | 40 | 14 | 35.0 | 13 | 32.5 | |
| 30-39 | | | 104 | 42 | 40.4 | 38 | 36.5 | |
| 40 or older | | | 429 | 111 | 25.9 | 109 | 25.4 | |
| Race/ethnicity* | | Black, non-Hispanic | 97 | 18 | 18.6 | 9 | 9.3 | |
| | | Hispanic | 73 | 22 | 30.1 | 21 | 28.8 | |
| | | Other or multiple races | 29 | 8 | 27.6 | 7 | 24.1 | |
| | | White, non-Hispanic | 406 | 137 | 33.7 | 132 | 32.5 | |
| Total | | | 616 | 189 | 30.7 | 172 | 27.9 | |

Percentages may not total 100% due to missing data

MSM=men who have sex with men

***Persons of Hispanic/Latino ethnicity may be of any race**

NOTE: data may be combined or suppressed due to small cell sizes

Table 4. Sexually transmitted infection testing and hepatitis vaccination of participants in an online survey of MSM, United States, American Men's Internet Survey (AMIS), 2018

| | | | <i>No. in sample</i> | <i>Sexually transmitted disease testing in the past 12 months</i> | | <i>Ever received hepatitis vaccination</i> | |
|------------------------|------------------------|-------------------------|----------------------|---|----------|--|----------|
| | | | | <i>N</i> | <i>%</i> | <i>N</i> | <i>%</i> |
| Not positive | Age (years) | 15-24 | 4187 | 1419 | 33.9 | 0 | 0.0 |
| | | 25-29 | 1268 | 631 | 49.8 | 0 | 0.0 |
| | | 30-39 | 1399 | 676 | 48.3 | 0 | 0.0 |
| | | 40 or older | 2659 | 1140 | 42.9 | 0 | 0.0 |
| | Race/ethnicity* | Black, non-Hispanic | 456 | 192 | 42.1 | 0 | 0.0 |
| | | Hispanic | 1557 | 642 | 41.2 | 0 | 0.0 |
| | | Other or multiple races | 720 | 293 | 40.7 | 0 | 0.0 |
| | | White, non-Hispanic | 6605 | 2669 | 40.4 | 0 | 0.0 |
| | Total | | 9513 | 3866 | 40.6 | 0 | 0.0 |
| | Positive | Age (years) | 15-24 | 43 | 37 | 86.0 | 0 |
| 25-29 | | | 40 | 30 | 75.0 | 0 | 0.0 |
| 30-39 | | | 104 | 88 | 84.6 | 0 | 0.0 |
| 40 or older | | | 429 | 293 | 68.3 | 0 | 0.0 |
| Race/ethnicity* | | Black, non-Hispanic | 97 | 73 | 75.3 | 0 | 0.0 |
| | | Hispanic | 73 | 56 | 76.7 | 0 | 0.0 |
| | | Other or multiple races | 29 | 21 | 72.4 | 0 | 0.0 |
| | | White, non-Hispanic | 406 | 290 | 71.4 | 0 | 0.0 |
| Total | | | 616 | 448 | 72.7 | 0 | 0.0 |

Percentages may not total 100% due to missing data

MSM=men who have sex with men

***Persons of Hispanic/Latino ethnicity may be of any race**

NOTE: data may be combined or suppressed due to small cell sizes

Table 5. HIV testing behaviors of HIV-negative or unknown serostatus participants in an online survey of MSM, United States, American Men's Internet Survey (AMIS), 2018

| | | No. in sample | Ever HIV tested | | HIV tested in the past 12 months | |
|-------------------------|--|---------------|-----------------|------|----------------------------------|------|
| | | | N | % | N | % |
| <i>Race/ethnicity*</i> | Black, non-Hispanic | 456 | 339 | 74.3 | 256 | 56.1 |
| | Hispanic | 1557 | 1028 | 66.0 | 799 | 51.3 |
| | White, non-Hispanic | 6605 | 4871 | 73.7 | 3480 | 52.7 |
| | Other or multiple races | 720 | 489 | 67.9 | 377 | 52.4 |
| <i>Age (years)</i> | 15-24 | 4187 | 2115 | 50.5 | 1692 | 40.4 |
| | 25-29 | 1268 | 1057 | 83.4 | 752 | 59.3 |
| | 30-39 | 1399 | 1268 | 90.6 | 901 | 64.4 |
| | 40 or older | 2659 | 2398 | 90.2 | 1650 | 62.1 |
| <i>Education</i> | < HS diploma | 788 | 188 | 23.9 | 150 | 19.0 |
| | HS diploma or equivalent | 1472 | 774 | 52.6 | 589 | 40.0 |
| | Some college or technical degree | 3169 | 2331 | 73.6 | 1679 | 53.0 |
| | College degree or postgraduate education | 3977 | 3486 | 87.7 | 2533 | 63.7 |
| <i>Household income</i> | \$0 to \$19,999 annually (\$0 to \$1,667 monthly) | 1267 | 847 | 66.9 | 623 | 49.2 |
| | \$20,000 to \$39,999 annually (\$1,668 to \$3,333 monthly) | 1729 | 1288 | 74.5 | 947 | 54.8 |
| | \$40,000 to \$74,999 annually (\$3,334 to \$6,250 monthly) | 2344 | 1828 | 78.0 | 1343 | 57.3 |
| | \$75,000 or more annually (\$6,251 or more monthly) | 3088 | 2409 | 78.0 | 1743 | 56.4 |

Percentages may not total 100% due to missing data

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HS=high school

NCHS=National Center for Health Statistics

***Persons of Hispanic/Latino ethnicity may be of any race**

NOTE: data may be combined or suppressed due to small cell sizes

Table 5. HIV testing behaviors of HIV-negative or unknown serostatus participants in an online survey of MSM, United States, American Men's Internet Survey (AMIS), 2018

| | | <i>No. in sample</i> | <i>Ever HIV tested</i> | | <i>HIV tested in the past 12 months</i> | |
|----------------------------------|---------------------|----------------------|------------------------|----------|---|----------|
| | | | <i>N</i> | <i>%</i> | <i>N</i> | <i>%</i> |
| <i>NCHS Urban/Rural category</i> | Large central metro | 3388 | 2670 | 78.8 | 2016 | 59.5 |
| | Large fringe metro | 1988 | 1351 | 68.0 | 978 | 49.2 |
| | Medium metro | 3157 | 2188 | 69.3 | 1575 | 49.9 |
| | Small metro | 972 | 622 | 64.0 | 421 | 43.3 |
| <i>Health insurance</i> | None | 779 | 558 | 71.6 | 368 | 47.2 |
| | Private only | 6147 | 4796 | 78.0 | 3533 | 57.5 |
| | Public only | 1056 | 713 | 67.5 | 519 | 49.1 |
| | Other/multiple | 729 | 526 | 72.2 | 385 | 52.8 |
| <i>Total</i> | | 9513 | 6838 | 71.9 | 4995 | 52.5 |

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NOTE: data may be combined or suppressed due to small cell sizes

Table 6. Testing location of last HIV test of HIV-negative or unknown serostatus participants in an online survey of MSM, United States, American Men's Internet Survey (AMIS), 2018

| | Location of most recent HIV test | |
|---|---|----------|
| | N | % |
| <i>Private doctor's office</i> | 3199 | 48.1 |
| <i>HIV counseling and testing site</i> | 651 | 9.8 |
| <i>Public health clinic/community health clinic</i> | 1441 | 21.6 |
| <i>Street outreach program/mobile unit</i> | 245 | 3.7 |
| <i>Sexually transmitted disease clinic</i> | 147 | 2.2 |
| <i>Hospital (inpatient)</i> | 177 | 2.7 |
| <i>Correctional facility (jail or prison)</i> | 5 | 0.1 |
| <i>Emergency room</i> | 36 | 0.5 |
| <i>At home</i> | 474 | 7.1 |

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NOTE: data may be combined or suppressed due to small cell sizes

Table 7. Participation in HIV prevention services of HIV-negative or unknown serostatus participants in an online survey of MSM, United States, American Men's Internet Survey (AMIS), 2018

| | | <i>Prevention services received in the past 12 months</i> | | | | | | |
|-------------------------|--|---|------------------------------|----------|---|----------|---|----------|
| | | <i>No. in sample</i> | <i>Received free condoms</i> | | <i>Participated in group discussion</i> | | <i>Participated in one-on-one prevention counseling</i> | |
| | | | <i>N</i> | <i>%</i> | <i>N</i> | <i>%</i> | <i>N</i> | <i>%</i> |
| <i>Race/ethnicity*</i> | Black, non-Hispanic | 456 | 226 | 49.6 | 40 | 8.8 | 80 | 17.5 |
| | Hispanic | 1557 | 753 | 48.4 | 93 | 6.0 | 249 | 16.0 |
| | White, non-Hispanic | 6605 | 2650 | 40.1 | 210 | 3.2 | 761 | 11.5 |
| | Other or multiple races | 720 | 353 | 49.0 | 35 | 4.9 | 119 | 16.5 |
| <i>Age (years)</i> | 15-24 | 4187 | 1901 | 45.4 | 229 | 5.5 | 552 | 13.2 |
| | 25-29 | 1268 | 545 | 43.0 | 44 | 3.5 | 158 | 12.5 |
| | 30-39 | 1399 | 537 | 38.4 | 37 | 2.6 | 181 | 12.9 |
| | 40 or older | 2659 | 1061 | 39.9 | 75 | 2.8 | 337 | 12.7 |
| <i>Education</i> | < HS diploma | 788 | 219 | 27.8 | 49 | 6.2 | 92 | 11.7 |
| | HS diploma or equivalent | 1472 | 621 | 42.2 | 85 | 5.8 | 194 | 13.2 |
| | Some college or technical degree | 3169 | 1433 | 45.2 | 124 | 3.9 | 428 | 13.5 |
| | College degree or postgraduate education | 3977 | 1740 | 43.8 | 124 | 3.1 | 503 | 12.6 |
| <i>Household income</i> | \$0 to \$19,999 annually (\$0 to \$1,667 monthly) | 1267 | 609 | 48.1 | 73 | 5.8 | 198 | 15.6 |
| | \$20,000 to \$39,999 annually (\$1,668 to \$3,333 monthly) | 1729 | 738 | 42.7 | 60 | 3.5 | 255 | 14.7 |
| | \$40,000 to \$74,999 annually (\$3,334 to \$6,250 monthly) | 2344 | 991 | 42.3 | 98 | 4.2 | 309 | 13.2 |
| | \$75,000 or more annually (\$6,251 or more monthly) | 3088 | 1287 | 41.7 | 95 | 3.1 | 337 | 10.9 |

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***Persons of Hispanic/Latino ethnicity may be of any race**

NOTE: data may be combined or suppressed due to small cell sizes

Table 7. Participation in HIV prevention services of HIV-negative or unknown serostatus participants in an online survey of MSM, United States, American Men's Internet Survey (AMIS), 2018

| | | <i>Prevention services received in the past 12 months</i> | | | | | | |
|----------------------------------|---------------------|---|------------------------------|----------|---|----------|---|----------|
| | | <i>No. in sample</i> | <i>Received free condoms</i> | | <i>Participated in group discussion</i> | | <i>Participated in one-on-one prevention counseling</i> | |
| | | | <i>N</i> | <i>%</i> | <i>N</i> | <i>%</i> | <i>N</i> | <i>%</i> |
| <i>NCHS Urban/Rural category</i> | Large central metro | 3388 | 1693 | 50.0 | 166 | 4.9 | 505 | 14.9 |
| | Large fringe metro | 1988 | 802 | 40.3 | 72 | 3.6 | 240 | 12.1 |
| | Medium metro | 3157 | 1266 | 40.1 | 107 | 3.4 | 383 | 12.1 |
| | Small metro | 972 | 281 | 28.9 | 39 | 4.0 | 99 | 10.2 |
| <i>Health insurance</i> | None | 779 | 324 | 41.6 | 27 | 3.5 | 105 | 13.5 |
| | Private only | 6147 | 2668 | 43.4 | 225 | 3.7 | 800 | 13.0 |
| | Public only | 1056 | 459 | 43.5 | 64 | 6.1 | 167 | 15.8 |
| | Other/multiple | 729 | 326 | 44.7 | 28 | 3.8 | 90 | 12.3 |
| <i>Total</i> | | 9513 | 4044 | 42.5 | 385 | 4.0 | 1228 | 12.9 |

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NOTE: data may be combined or suppressed due to small cell sizes

Table 8. Knowledge of PrEP and willingness to use PrEP of HIV-negative or unknown serostatus participants in an online survey of MSM, United States, American Men's Internet Survey (AMIS), 2018

| | | No. in sample | Heard of PrEP | | Willing to use PrEP | | Used PrEP | |
|-------------------------|--|---------------|---------------|------|---------------------|------|-----------|------|
| | | | N | % | N | % | N | % |
| <i>Race/ethnicity*</i> | Black, non-Hispanic | 456 | 365 | 80.0 | 285 | 62.5 | 53 | 11.6 |
| | Hispanic | 1557 | 1180 | 75.8 | 928 | 59.6 | 187 | 12.0 |
| | White, non-Hispanic | 6605 | 5647 | 85.5 | 3524 | 53.4 | 962 | 14.6 |
| | Other or multiple races | 720 | 588 | 81.7 | 401 | 55.7 | 91 | 12.6 |
| <i>Age (years)</i> | 15-24 | 4187 | 3089 | 73.8 | 2687 | 64.2 | 263 | 6.3 |
| | 25-29 | 1268 | 1166 | 92.0 | 669 | 52.8 | 205 | 16.2 |
| | 30-39 | 1399 | 1300 | 92.9 | 663 | 47.4 | 312 | 22.3 |
| | 40 or older | 2659 | 2353 | 88.5 | 1208 | 45.4 | 530 | 19.9 |
| <i>Education</i> | < HS diploma | 788 | 409 | 51.9 | 541 | 68.7 | 13 | 1.6 |
| | HS diploma or equivalent | 1472 | 1061 | 72.1 | 931 | 63.2 | 83 | 5.6 |
| | Some college or technical degree | 3169 | 2702 | 85.3 | 1876 | 59.2 | 366 | 11.5 |
| | College degree or postgraduate education | 3977 | 3671 | 92.3 | 1824 | 45.9 | 840 | 21.1 |
| <i>Health insurance</i> | None | 779 | 645 | 82.8 | 484 | 62.1 | 59 | 7.6 |
| | Private only | 6147 | 5434 | 88.4 | 3238 | 52.7 | 1027 | 16.7 |
| | Public only | 1056 | 787 | 74.5 | 600 | 56.8 | 122 | 11.6 |
| | Other/multiple | 729 | 598 | 82.0 | 381 | 52.3 | 88 | 12.1 |

Percentages may not total 100% due to missing data

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***Persons of Hispanic/Latino ethnicity may be of any race**

NOTE: data may be combined or suppressed due to small cell sizes

Table 8. Knowledge of PrEP and willingness to use PrEP of HIV-negative or unknown serostatus participants in an online survey of MSM, United States, American Men's Internet Survey (AMIS), 2018

| | | No. in sample | Heard of PrEP | | Willing to use PrEP | | Used PrEP | |
|----------------------------------|--|---------------|---------------|------|---------------------|------|-----------|------|
| | | | N | % | N | % | N | % |
| <i>Household income</i> | \$0 to \$19,999 annually (\$0 to \$1,667 monthly) | 1267 | 995 | 78.5 | 780 | 61.6 | 121 | 9.6 |
| | \$20,000 to \$39,999 annually (\$1,668 to \$3,333 monthly) | 1729 | 1448 | 83.7 | 1014 | 58.6 | 224 | 13.0 |
| | \$40,000 to \$74,999 annually (\$3,334 to \$6,250 monthly) | 2344 | 2051 | 87.5 | 1257 | 53.6 | 379 | 16.2 |
| | \$75,000 or more annually (\$6,251 or more monthly) | 3088 | 2711 | 87.8 | 1534 | 49.7 | 528 | 17.1 |
| <i>NCHS Urban/Rural category</i> | Large central metro | 3388 | 2961 | 87.4 | 1639 | 48.4 | 696 | 20.5 |
| | Large fringe metro | 1988 | 1603 | 80.6 | 1144 | 57.5 | 217 | 10.9 |
| | Medium metro | 3157 | 2601 | 82.4 | 1864 | 59.0 | 328 | 10.4 |
| | Small metro | 972 | 738 | 75.9 | 575 | 59.2 | 69 | 7.1 |
| <i>Total</i> | | 9513 | 7908 | 83.1 | 5227 | 54.9 | 1310 | 13.8 |

Percentages may not total 100% due to missing data

MSM=men who have sex with men

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***Persons of Hispanic/Latino ethnicity may be of any race**

NOTE: data may be combined or suppressed due to small cell sizes

References

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