Multimedia Appendix 1. Odds ratios for demographic characteristics and stated likelihood of using different pre-exposure prophylaxis modalities among MSM participating in an online survey, United States, April-July 2015

| Characteristic | Odds Ratio \(^a\) (95% CI) | Type 3 \(P\) value | Odds Ratio \(^a\) (95% CI) | Type 3 \(P\) value | Odds Ratio \(^a\) (95% CI) | Type 3 \(P\) value |
|---------------|-----------------------------|---------------------|-----------------------------|---------------------|-----------------------------|---------------------|
| **Systemic Modalities** | | | | | | |
| **Characteristics** | Daily oral pills | Injection\(^b\) | On-demand pills\(^c\) | Daily oral pills | Injection\(^b\) | On-demand pills\(^c\) |
| **Race/Ethnicity** | | | | | | |
| White, not Hispanic | Reference | Reference | Reference | 0.011 | 0.458 | 0.372 |
| Black, not Hispanic | 3.10 (1.35-7.13) | 1.05 (0.55-2.01) | 1.45 (0.68-3.09) | 1.05 (0.55-2.01) | 1.32 (0.87-1.99) | 1.37 (0.74-2.54) |
| Hispanic | 1.36 (0.91-2.03) | 1.32 (0.92-1.91) | 1.32 (0.87-1.99) | 1.32 (0.92-1.91) | 1.45 (0.68-3.09) | 1.37 (0.74-2.54) |
| Other | 1.76 (0.95-3.25) | 1.23 (0.71-2.11) | 1.37 (0.74-2.54) | 1.23 (0.71-2.11) | 1.45 (0.68-3.09) | 1.37 (0.74-2.54) |
| **Age (years)** | | | | | | |
| 18-24 | 1.52 (1.05-2.20) | 1.05 (0.75-1.48) | 1.04 (0.70-1.54) | 1.05 (0.75-1.48) | 1.32 (0.87-1.99) | 1.37 (0.74-2.54) |
| 25-29 | 1.00 (0.68-1.49) | 1.16 (0.80-1.68) | 0.76 (0.50-1.15) | 1.16 (0.80-1.68) | 1.32 (0.87-1.99) | 1.37 (0.74-2.54) |
| 30-34 | Reference | Reference | Reference | Reference | Reference | Reference |
| **Highest level of education** | | | | | | |
| High School or less | Reference | Reference | Reference | Reference | Reference | Reference |
| Some college | 0.76 (0.39-1.47) | 1.07 (0.61-1.85) | 0.53 (0.25-1.09) | 1.07 (0.61-1.85) | 1.32 (0.87-1.99) | 1.37 (0.74-2.54) |
| Bachelor degree | 0.51 (0.27-0.98) | 1.48 (0.85-2.55) | 0.54 (0.26-1.11) | 1.48 (0.85-2.55) | 1.32 (0.87-1.99) | 1.37 (0.74-2.54) |
| Any graduate school | 0.43 (0.22-0.83) | 1.30 (0.75-2.26) | 0.44 (0.21-0.91) | 1.30 (0.75-2.26) | 1.32 (0.87-1.99) | 1.37 (0.74-2.54) |
| **U.S. Census region** | | | | | | |
| Midwest | 0.99 (0.63-1.55) | 0.92 (0.60-1.39) | 0.90 (0.56-1.44) | 0.99 (0.63-1.55) | 0.92 (0.60-1.39) | 0.90 (0.56-1.44) |
| Northeast | 0.93 (0.61-1.43) | 0.80 (0.54-1.21) | 0.79 (0.51-1.24) | 0.80 (0.54-1.21) | 0.80 (0.54-1.21) | 0.79 (0.51-1.24) |
| South | 1.17 (0.79-1.73) | 0.91 (0.63-1.31) | 0.90 (0.60-1.37) | 1.17 (0.79-1.73) | 0.91 (0.63-1.31) | 0.90 (0.60-1.37) |
| West | Reference | Reference | Reference | Reference | Reference | Reference |
| **Topical Modalities** | | | | | | |
| **Characteristics** | Penis gel, before | Penis gel, after | Rectal gel, before | Penis gel, before | Penis gel, after | Rectal gel, before |
| **Race/Ethnicity** | | | | | | |
| White, not Hispanic | Reference | Reference | Reference | 0.037 | 0.115 | 0.002 |
| Black, not Hispanic | 6.59 (1.54-28.24) | 2.82 (1.05-7.59) | 4.28 (1.73-10.61) | 2.82 (1.05-7.59) | 2.82 (1.05-7.59) | 4.28 (1.73-10.61) |
| Hispanic | 1.27 (0.81-2.00) | 1.32 (0.85-2.06) | 1.45 (0.97-2.17) | 1.32 (0.85-2.06) | 1.32 (0.85-2.06) | 1.45 (0.97-2.17) |
| Other | 1.65 (0.76-3.59) | 0.83 (0.40-1.70) | 1.85 (0.96-3.56) | 0.83 (0.40-1.70) | 0.83 (0.40-1.70) | 1.85 (0.96-3.56) |
| **Age (years)** | | | | | | |
| 18-24 | 1.61 (1.06-2.45) | 0.99 (0.65-1.50) | 0.88 (0.59-1.31) | 1.61 (1.06-2.45) | 0.99 (0.65-1.50) | 0.88 (0.59-1.31) |
| 25-29 | 1.16 (0.75-1.79) | 0.86 (0.56-1.34) | 0.83 (0.54-1.26) | 1.16 (0.75-1.79) | 0.86 (0.56-1.34) | 0.83 (0.54-1.26) |
| 30-34 | Reference | Reference | Reference | Reference | Reference | Reference |
| **Highest level of education** | | | | | | |
| High School or less | Reference | Reference | Reference | Reference | Reference | Reference |
| Some college | 1.03 (0.47-2.24) | 0.80 (0.38-1.67) | 0.62 (0.31-1.24) | 1.03 (0.47-2.24) | 0.80 (0.38-1.67) | 0.62 (0.31-1.24) |
| Bachelor degree | 0.91 (0.43-1.93) | 0.89 (0.43-1.83) | 0.50 (0.25-0.98) | 0.91 (0.43-1.93) | 0.89 (0.43-1.83) | 0.50 (0.25-0.98) |
| Topical Modalities, continued |
|-----------------------------|
|                             | Rectal gel, after | Suppository, before | Suppository, after |
| **Race/Ethnicity**          |                  |                    |                  |
| White, not Hispanic         | 0.137            | 0.057              | 0.548            |
| Black, not Hispanic         | 2.52 (1.14-5.58) | 2.69 (1.26-5.77)   | 1.28 (0.60-2.71) |
| Hispanic                    | 1.03 (0.69-1.54) | 1.30 (0.86-1.97)   | 0.81 (0.54-1.22) |
| Other                       | 1.25 (0.66-2.35) | 1.15 (0.61-2.17)   | 1.22 (0.68-2.22) |
| **Age (years)**             |                  |                    |                  |
| 18-24                       | 0.254            | 0.691              | 0.113            |
| 25-29                       | 0.85 (0.57-1.26) | 0.87 (0.57-1.31)   | 0.73 (0.49-1.09) |
| 30-34                       | Reference        | Reference          | Reference        |
| **Highest level of education** | 0.041            | 0.266              | 0.735            |
| High School or less         | Reference        | Reference          | Reference        |
| Some college                | 0.81 (0.40-1.63) | 0.62 (0.32-1.21)   | 0.76 (0.39-1.49) |
| Bachelor degree             | 0.54 (0.27-1.07) | 0.53 (0.27-1.02)   | 0.73 (0.38-1.41) |
| Any graduate school         | 0.52 (0.26-1.05) | 0.55 (0.28-1.07)   | 0.85 (0.44-1.65) |
| **U.S. Census region**      | 0.845            | 0.784              | 0.446            |
| Midwest                     | 1.10 (0.68-1.77) | 0.83 (0.51-1.37)   | 0.73 (0.46-1.18) |
| Northeast                   | 0.91 (0.58-1.42) | 0.82 (0.51-1.31)   | 0.73 (0.47-1.14) |
| South                       | 1.05 (0.70-1.59) | 0.96 (0.63-1.46)   | 0.75 (0.50-1.12) |
| West                        | Reference        | Reference          | Reference        |

*Compares respondents that are “somewhat likely” or “very likely” to respondents that indicated they are “somewhat unlikely” or “very unlikely” to use each modality. Responses that were “neither likely or unlikely” were set to missing. Wald chi-square type 3 $P$ values were used with an alpha=0.05.

*bEvery 1-3 months

*cTwo pills 24 hours before sex and two one-pill doses after.