**Appendix 1.** Multivariable logistic regressions showingfrequencies andadjusted odds ratios (aOR) of HIV care continuum outcomes among Black HIV-positive MSM across sexual identity and behavior categories, POWER study (2014-2016).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **HIV care continuum** | **HIV-positive MSM** | **Gay MSMO (n=935)** | **Bi MSMO (n=81)** | **Gay MSMW (n=97)** | **Bi MSMW****(n=92)** |
| HIV-positive unaware |  | 345 (36.9%)REF | 43 (53.1%)**2.01 (1.26, 3.19)** | 49 (50.5%)**1.77 (1.15, 2.72)** | 56 (60.9%)**2.99 (1.88, 4.75)** |
|  |  |  |  |  |  |
|  | **HIV-positive aware MSM**  | **Gay MSMO (n=589)** | **Bi MSMO (n=38)** | **Gay MSMW (n=48)** | **Bi MSMW****(n=36)** |
|  | Never in care  | 15 (2.5%)REF | 4 (10.5%)3.57 (0.97, 13.16) | 3 (6.3%)2.87 (0.79, 10.44) | 3 (8.3%)**4.67 (1.22, 17.89)** |
|  | Not currently in care  | 30 (5.1%)REF | 4 (10.5%)1.68 (0.48, 5.85) | 4 (8.3%)1.84 (0.61, 5.50) | 4 (11.1%)2.84 (0.91, 8.89) |
|  | Not on ART  | 53 (9.3%)REF | 0 (0%)Not estimable | 4 (9.1%)1.03 (0.35, 3.03) | 4 (12.1%)1.32 (0.37, 4.71) |
|  | Not virally suppressed | 84 (15.5%)REF | 5 (15.2%)0.98 (0.36, 2.65) | 13 (31.7%)**2.42 (1.16, 5.05)** | 10 (32.3%)**2.46 (1.05, 5.79)** |

*Adjusted for Hispanic ethnicity, income, city, year, and age>39. Values for straight-identified MSMO (n=4), straight-identified MSMW (n=2), other-identified MSMO (n=10), and other-identified MSMW (n=4) suppressed due to small cell sizes. Bold aOR values indicate significance at p<.05.*

**Appendix 2.** Total and indirect path coefficients between bisexual behavior, psychosocial morbidity, socioeconomic status, and detectable viral load among HIV-positive aware men in POWER, 2014—2106 (n=720).

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*\*\*\*=p<.001; \*\*=p<.01; \*=p<.05; t=p<.10. Solid lines represent significant total effects pathways at p<.05. Dashed lines represent marginally significant total effects pathways at p<.10. Plain text represents total effects path coefficients; italicized text represents indirect effects path coefficients. Pathways show beta-coefficients and observed information matrix standard errors (parenthesized). Effects for covariates (age, year, city, Hispanic ethnicity, socioeconomic status) suppressed from figure for interpretability. SRMR=.019.*