Supplemental Table 1. Supplemental baseline characteristics of the intervention and control participants

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| --- | --- | --- | --- |
| Characteristic | Control condition (N=226\*) | Intervention condition (N=216\*) | P |
| Years since HIV diagnosis, mean (SD)Currently receiving ART, N (%)Hazardous alcohol use (AUDIT≥8)Ever used marijuanaUsed marijuana in last 30 daysEver used cocaineUsed cocaine in the last 30 daysEver used heroinUsed heroin in the last 30 daysEver used crystal methamphetamineUsed crystal methamphetamine in the last 30 daysCurrently on methadone maintenanceAge at initiation of smoking, mean (SD)Exhaled carbon monoxide (ppm)Smokes menthol cigarettes**Ever used an e-cigarette**Tobacco knowledgePast or present health conditions Thrush PCP Other pneumonia Depression Anxiety/Panic disorder Diabetes Myocardial infarction Stroke Hypertension High cholesterol Asthma COPD or emphysema Hepatitis B Hepatitis C Cancer PTSD scorePerceived discrimination scoreDecisional balance score Pro ConSelf-efficacy scoreLoneliness scoreDepression scoreAnxiety score Perceived stress scoreBoredom scoreDistress tolerance score | 19.4 (8.2)211 (95)54 (24)169 (76)73 (33)147 (66)51 (23)65 (29)9 (4)8 (3)2 (1)28 (24)17.5 (7.0)12.1 (8.3)183 (81)**34 (16)**6.1 (1.3)77 (35)35 (16)47 (22)117 (54)73 (34)39 (18)6 (3)9 (4)70 (32)52 (24)75 (34)31 (14)23 (11)61 (28)15 (7)1.7 (1.6)1.8 (0.6)7.7 (2.9)9.8 (3.1)3.6 (0.7)23.2 (7.6)40.1 (11.9)7.0 (5.8)6.4 (2.8)50.9 (11.0)2.8 (0.9) | 18.4 (8.7)181 (95)37 (20)143 (75)68 (36)131 (69)36 (19)50 (26)6 (3)14 (7)4 (2)17 (21)17.2 (5.5)11.9 (7.0)164 (76)**46 (24)**6.1 (1.4)64 (34)27 (14)51 (27)117 (62)63 (34)24 (13)6 (3)7 (4)68 (36)47 (25)65 (35)17 (9)19 (10)38 (20)15 (8)1.9 (1.6)1.9 (0.8)7.7 (3.0)9.5 (3.2)3.5 (0.8)23.3 (8.0)39.9 (12.4)6.4 (6.1)6.3 (3.0)50.3 (11.6)2.9 (0.9) | 0.231.00.280.930.600.630.380.560.820.140.550.230.660.790.20**0.04**0.740.870.740.230.101.00.201.01.00.450.881.00.151.00.090.820.380.310.990.330.330.930.880.290.770.580.69 |

*Note*- SD=standard deviation, ART=antiretroviral therapy, AUDIT=Alcohol Use Disorders Identification Test, PCP-*Pneumocystis jirovecii* pneumonia, COPD=chronic obstructive pulmonary disease, PTSD=post-traumatic stress disorder.

\*Percentages are calculated using the number of completed responses as the denominator.

Supplemental Table 2. Association of baseline variables with biochemically verified 3-month and 6-month 7-day point prevalence abstinence.

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| Baseline characteristic, N (%) | 3 months\* | 6 months\* |
| Abstinent | Non-abstinent | P | Abstinent | Non-abstinent | P |
| Age, Mean (SD)Male genderLatinoRace Black/African American White OtherMarried/living with partner**Stably housed**Employment status Unemployed/disabled Part-time employment Full-time employmentEducational attainment Less than high school Some high school High school graduate Some college College graduateGraduated high schoolHousehold finances Comfortable with some extras Enough but no extras Have to cut back Can’t make ends meetHIV risk behavior Heterosexual contact Same sex contact Injection drug use Transfusion/other/unknownMost recent CD4+ count (cells/ul), Mean (SD)**Most recent HIV viral load<40 copies/ml****Daily cigarette consumption, Mean (SD)****Non-daily smoker****Uses other tobacco product in addition to cigarettes (dual user)****Nicotine dependence score****Motivation to quit**Years since HIV diagnosis, Mean (SD)Ever took antiretroviral medicationHazardous alcohol use (AUDIT≥8)Ever used marijuanaUsed marijuana in last 30 daysEver used cocaine**Used cocaine in the last 30 days**Ever used heroinUsed heroin in the last 30 daysEver used crystal methamphetamineUsed crystal methamphetamine in the last 30 daysCurrently on methadone maintenanceAge at initiation of smoking, Mean (SD)**Exhaled carbon monoxide (ppm), Mean (SD)**Smokes menthol cigarettesEver used an e-cigaretteTobacco knowledge, Mean (SD)Past or present health conditions Thrush PCP Other pneumonia Depression Anxiety/Panic disorder Diabetes Myocardial infarction Stroke Hypertension High cholesterol Asthma COPD or emphysema Hepatitis B Hepatitis C CancerPTSD score, Mean (SD)Perceived discrimination score, Mean (SD)Decisional balance score Pro ConSelf-efficacy score, Mean (SD)Loneliness score, Mean (SD)Depression score, Mean (SD)Anxiety score, Mean (SD)Perceived stress score, Mean (SD)Boredom score, Mean (SD)**Distress tolerance score, Mean (SD)** | 51.5 (8.8)20 (49)5 (12)33 (12)4 (10)5 (5)9 (21)**41 (98)**36 (10)2 (7)3 (15)2 (11)9 (8)14 (12)12 (10)5 (12)31 (74)9 (11)16 (11)8 (10)9 (8)26 (12)10 (10)3 (8)3 (7)572 (335)**34 (83)****7.6 (7.3)****14 (21)**6 (14)**3.7 (2.3)****7.9 (1.1)**18.7 (10.1)41 (98)9 (21)33 (79)19 (45)27 (64)7 (17)11 (26)2 (5)5 (12)2 (5)4 (10)18.1 (6.8)**6.9 (5.7)**35 (83)7 (17)6.2 (1.2)13 (32)5 (12)10 (24)23 (56)16 (39)8 (20)0 (0)1 (2)17 (41)14 (34)15 (37)5 (12)5 (12)7 (17)4 (10)1.7 (1.7)1.9 (0.9)7.9 (2.8)10.3 (3.3)3.5 (0.6)23.1 (7.6)38.8 (12.0)5.8 (5.6)5.7 (3.1)48.1 (10.4)2.7 (0.7) | 50.5 (9.1)198 (55)75 (20)NANANA67 (18)**291 (78)**NANANANANANANANA245 (66)NANANANANANANANA623 (385)**250 (65)****10.8 (8.0)****24 (7)**57 (15)**4.9 (2.2)****7.3 (1.5)**18.9 (8.2)351 (95)82 (22)279 (75)122 (33)251 (68)80 (22)104 (28)13 (4)17 (5)4 (1)42 (11)17.2 (6.3)**12.6 (8.2)**312 (84)73 (20)6.1 (1.4)128 (35)57 (16)88 (24)211 (58)120 33)55 (15)12 (3)15 (4)121 (33)85 (23)125 (34)43 (12)37 (10)92 (25)26 (7)1.8 (1.6)1.8 (0.7)7.7 (3.0)9.6 (3.1)3.6 (0.7)23.3 (7.8)40.2 (12.1)6.9 (6.0)6.4 (2.8)50.9 (11.4)2.9 (0.9) | 0.410.390.380.080.62**<0.001**0.630.860.310.750.840.43**0.02****0.01****0.002**0.83**0.003****0.008**0.600.430.980.630.150.580.520.840.650.110.150.800.33**<0.001**0.820.430.540.680.920.960.650.460.370.340.600.320.140.790.800.690.310.580.470.520.730.190.440.900.470.300.110.140.18 | 49.3 (11.4)27 (47)9 (16)44 (16)6 (14)8 (8)9 (16)50 (86)49 (14)4 (13)3 (16)2 (11)10 (9)19 (16)19 (17)8 (20)**46 (79)**9 (11)27 (19)10 (13)12 (11)30 (13)15 (15)6 (15)6 (15)680 (349)42 (78)**7.8 (6.9)****18 (33)****4 (7)****3.7 (2.1)**7.5 (1.4)18.1 (10.3)56 (97)11 (19)45 (79)23 (41)34 (60)**6 (11)**13 (23)0 (0)3 (5)1 (2)4 (7)18.5 (7.9)**8.2 (6.6)**45 (78)8 (14)5.9 (1.4)19 (33)8 (14)13 (23)34 (60)24 (42)11 (19)1 (2)2 (4)20 (35)12 (21)22 (39)7 (12)5 (9)11 (19)3 (5)2.0 (1.6)1.9 (0.9)7.3 (2.6)9.4 (3.2)3.4 (0.7)22.9 (8.0)39.7 (12.6)6.9 (6.1)6.4 (2.9)49.7 (11.3)**2.6 (0.7)** | 50.7 (8.7)190 (55)71 (20)NANANA67 (19)280 (79)NANANANANANANANA**228 (65)**NANANANANANANANA608 (385)240 (65)**11.0 (8.0)****48 (14)****59 (17)****4.9 (2.3)**7.3 (1.5)19.1 (8.0)335 (95)80 (23)266 (75)118 (34)243 (69)**80 (23)**102 (29)15 (4)19 (5)5 (1)42 (12)17.1 (6.0)**12.6 (8.2)**300 (85)71 (20)6.1 (1.4)121 (35)54 (16)84 (24)198 (57)111 (32)51 (15)11 (3)14 (4)116 (33)86 (25)117 (34)40 (12)37 (11)88 (25)27 (8)1.8 (1.6)1.8 (0.7)7.8 (3.0)9.7 (3.1)3.6 (0.7)23.2 (7.7)40.0 (12.1)6.7 (5.9)6.4 (2.9)50.7 (11.3)**2.9 (0.9)** | 0.280.250.280.130.500.200.980.26**0.03**0.200.980.190.06**0.002****<0.001****0.04****<0.001**0.290.400.640.510.530.240.19**0.03**0.340.130.970.840.260.14**<0.001**0.170.240.310.830.770.800.720.140.380.540.850.800.540.450.850.660.320.480.390.260.230.500.130.780.910.710.940.54**0.004** |

Note- SD=standard deviation, AUDIT=Alcohol Use Disorders Identification Test, ppm=parts per million, PCP-*Pneumocystis jirovecii* pneumonia, COPD=chronic obstructive pulmonary disease, PTSD=post-traumatic stress disorder.

\*For binary variables the denominator represents the number of participants who with the specified abstinence endpoint, and the numerator is the number of participants in either the abstinent or non-abstinent group having that characteristic. For categorical variables, the denominator represents the number of abstinent participants, and the numerator represents the number of abstinent participants with the specified characteristic.