



Substance Use Treatment Utilization Among Women with and at Risk for HIV

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Background

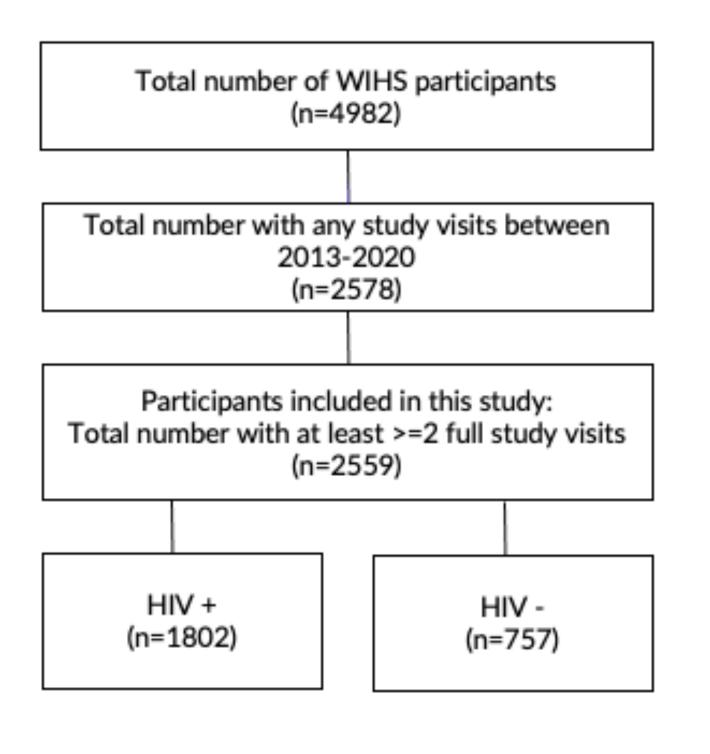
- Substance use (SU) increases risk of HIV acquisition and is associated with worse HIV-related outcomes in persons with HIV (PWH).
- There are low levels of SU treatment utilization in the general population; less is known in diverse groups of PWH including women with HIV.
- **Objective:** To describe the prevalence of SU and treatment utilization among participants of the Women's Interagency HIV Study (WIHS), an observational cohort of women with or at risk for HIV

Methods

- All women enrolled in WIHS (10 sites) with at least 2 visits from 2013-2020 were included
- We described patterns of SU and treatment utilization among WIHS participants
- We analyzed demographic, sociobehavioral, and clinical characteristics associated with SU treatment utilization in the past year using multivariable logistic regression models

Definitions:

- Current substance use: self-report of any non-medical use of drugs in the past year (*excluding* tobacco, alcohol, marijuana alone)
 - Recent use: 1-4.9 years
 - Prior use: >=5 years
 - **SU treatment utilization:** self-report of any drug treatment (including medications) among those with current SU



Substance use treatment types:

- Inpatient detoxification
- Outpatient detoxification
- Narcotics Anonymous
- Alcoholics Anonymous
- Medications for opioid use disorder (methadone, buprenorphine/naloxone)
- Halfway house
- Prison or jail-based programs
- Other programs

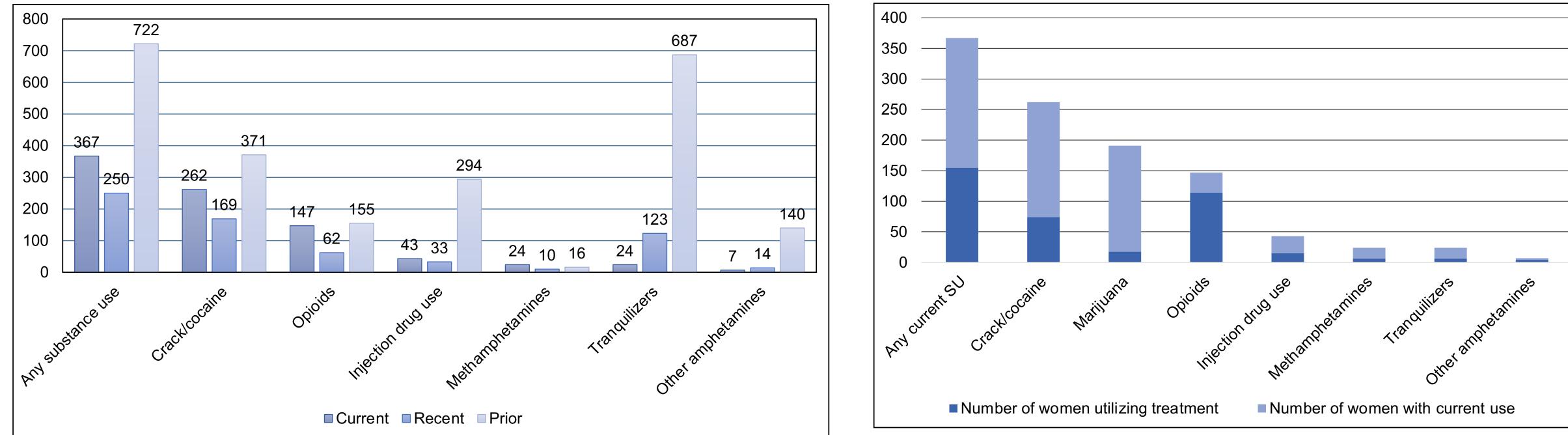
Results

Baseline characteristics among WIHS participants, 2013-2020 (n=2559)

Characteristics	Total N=2559	HIV negative N=757 (29.6%) N(%)	HIV positive N=1802 (70.4%) N (%)
Age, years (mean, SD)	52 (9.5)	51 (9.9)	52 (9.2)
Non-Hispanic Black race	1835 (71.2)	544 (71.9)	1291 (71.6)
Annual household income <\$24,000	1613 (72.1)	434 (67.4)	1179 (74.1)
Unemployed	1473 (57.6)	386 (57.4)	1087 (65.3)
Ever jailed/incarcerated	1447 (56.6)	893 (51.9)	1054 (58.5)

- 66% (n=1690) reported SU in their lifetime (65% HIV+, 69% HIV-)
- **14%** (n=367) reported current SU (13% HIV+, 18% HIV-)
- Among those reporting current SU (excluding marijuana alone), 155 (42%) reported any treatment in the past year.
- Methadone was the most frequently used treatment (27% among all women with current SU; 67% among women with current opioid use)

Current, Recent, Prior Substance Use among WIHS Participants, by Substance Type (n=2559)



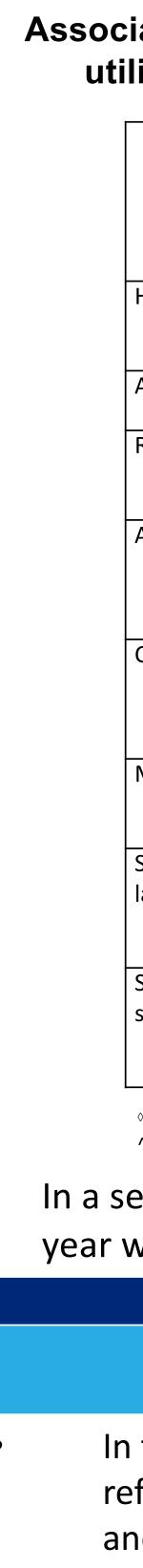
Substance Use Treatment Utilization in the Past Year, By Substance Type

Current Substance type	Counts	Any	Inpatient	Outpatient	Halfway	Prison/jail	Narcotics	Alcoholics	Methadone	Buprenorphine	Other
		treatment	detoxification	treatment	house	-based	Anonymous	Anonymous		/naloxone	
						treatment					
Any drug use	870	19.2	5.2	2.9	1.5	0.3	6.2	3.2	11.4	1.0	1.0
Any drug use, excluding marijuana only	367	42.2	12.0	6.8	3.5	0.8	12.3	6.0	26.7	2.5	1.9
Marijuana	694	9.1	2.6	1.3	0.6	0.1	4.3	2.6	3.6	0.3	0.6
Crack/cocaine	262	28.2	14.9	5.0	5.0	1.2	13.4	6.5	8.4	2.3	2.3
Methamphetamines	24	25.0	16.7	0.0	4.2	0.0	4.2	8.3	8.3	4.2	4.2
Other amphetamines	7	57.1	14.3	0.0	14.3	0.0	14.3	8.3	42.9	0.0	0.0
Tranquilizers	24	25.0	12.5	0.0	8.3	4.2	8.3	12.5	16.7	0.0	4.2
Opioids	147	77.6	12.2	12.9	3.4	2.0	15.0	7.5	67.4	5.4	1.4
Injection drug use	43	34.9	23.3	4.7	9.3	0.0	16.3	14.0	18.6	7.0	2.3

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Q1: 0-2.1
Q2: 2.2-5.3
Q3: 5.4-13.3
Q4: 13.4-77.6



thank the WIHS site co-investigators for serving as site liaisons for data collaboration. Funding: The contents of this publication are solely the responsibility of the authors and do not represent the official views of the National Institutes of Health (NIH). MWCCS (Principa ovwerha Ofotokun, Anandi Sheth, and Gina Wingood), U01-HL146241; Baltimore CRS (Todd Brown and Joseph Margolick), U01-HL146201; Bronx CRS (Kathryn Anastos, David Hanna, and Aniali Sharma), U01-HL146204; Brooklyn CRS (Deborah Gustafson and Tracey Wilson), U01-HL146202; Data Analysis and Coordination Center (Gypsyamber D'Souza, Stephen Gange and Elizabeth Topper), U01-HL146193; Chicago-Cook County CRS (Mardge Cohen and Audrey French), U01-HL146245; Chicago-Northwestern CRS (Steven Wolinsky), U01-HL146240; Northern California CRS (Bradley Aouizerat, Jennifer Price, and Phyllis Tien), U01-HL146242; Los Angeles CRS (Roger) Detels and Matthew Mimiaga), U01-HL146333; Metropolitan Washington CRS (Seble Kassaye and Daniel Merenstein), U01-HL146205; Miami CRS (Maria Alcaide, Margaret Fischl U01-HL146203; Pittsburgh CRS (Jeremy Martinson and Charles Rinaldo), U01-HL146208; UAB-MS CRS (Mirjam-Colette Kempf, Jodie Dionne-Odom, and U01-HL146192; UNC CRS (Adaora Adimora and Michelle Floris-Moore), U01-HL146194. The MWCCS is funded primarily by the National Heart, Lung, ar with additional co-funding from the Eunice Kennedy Shriver National Institute Of Child Health & Human Development (NICHD), National Institute On Aging National Institute Of Dental & Craniofacial Research (NIDCR), National Institute Of Allergy And Infectious Diseases (NIAID), National Institute Of Neurological Disorders And f Mental Health (NIMH), National Institute On Drug Abuse (NIDA), National Institute Of Nursing Research (NINR), National Cancer Institute (NCI Abuse and Alcoholism (NIAAA), National Institute on Deafness and Other Communication Disorders (NIDCD), National Institute of Diabetes and igestive and Kidney Diseases (NIDDK), National Institute on Minority Health and Health Disparities (NIMHD), and in coordination and alignment with the research priorities of the Office of AIDS Research (OAR). MWCCS data collection is also supported by UL1-TR000004 (UCSF CTSA), UL1-TR003098 (JHU ICTR), UL1-[SI], P30-AI-050409 (Atlanta CFAR), P30-AI-073961 (Miami CFAR), P30-AI-050410 (UNC CFAR), P30-AI-027767 (UAB CFAR), and P30-MH-116867 (Miami ARM). A.W.F. is supported by the National Center for Advancing Translational Sciences (NCATS) of the NIH (UL1TR002378 and TL1TR002382) and the National Institute of Allergy and Infectious Diseases (T32AI157855), and also received support by the NIDA R25DA013582 from the National Institute on Drug Abuse. The authors gratefully acknowledge services provided by the Emory CFAR funded through NIAID (P30-AI-050409).

Poster #1414



Results

Association between HIV serostatus, participants characteristics, and SU treatment utilization in the past year among WIHS participants with current SU (n=367)

		use treatment	Odds of Substance use treatment utilization (in past 1 year)			
		in past 1 year)				
Participant Characteristics	SU treatment	No SU treatment	Unadjusted OR	Adjusted OR (95% CI)		
	N=155	N=212	(95% CI)			
	N (%)	N (%)				
HIV status						
Negative	62 (40.0)	75 (35.4)	REF	REF		
Positive	93 (60.0)	137 (64.6)	0.82 (0.54-1.26)	0.57 (0.31-1.04)		
Age, years						
Mean (SD)	54.2 (8.1)	52.1 (8.7)	1.34 (1.05-1.73)^	0.90 (0.64-1.29)^		
Race						
Non-Hispanic Black	90 (58.1)	157 (74.1)	0.49 (0.31-0.76)	0.66 (0.37-1.18)		
Other	65 (41.9)	55 (25.9)	REF	REF		
Alcohol Use						
Abstain	94 (64.0)	58 (28.3)	REF	REF		
0-7 drinks/week	31 (21.1)	74 (36.1)	0.26 (0.15-0.44)	0.35 (0.19-0.66)		
>7 drinks/week	22 (15.0)	73 (35.6)	0.19 (0.10-0.33)	0.24 (0.12-0.48)		
Cigarette smoking status						
Never	6 (4.0)	22 (10.6)	REF	REF		
Former	23 (15.3)	31 (14.9)	2.72 (0.95-7.79)	2.40 (0.66-8.37)		
Current	121 (80.7)	155 (74.5)	2.86 (1.13-7.28)	3.35 (1.07-10.45)		
Marijuana use in past year						
No	104 (67.1)	72 (34.0)	REF	REF		
Yes	51 (32.9)	140 (66.0)	0.25 (0.16-0.39)	0.31 (0.18-0.54)		
Seen healthcare provider since						
last visit						
No	23 (15.8)	44 (21.5)	REF	REF		
Yes	123 (84.3)	161 (78.5)	1.46 (0.84-2.55)	1.10 (0.52-2.33)		
Seen psychiatrist or counselor						
since last visit						
No	89 (61.0)	151 (73.7)	REF	REF		
Yes	57 (39.0)	54 (26.3)	1.79 (1.14-2.82)	2.46 (1.34-4.50)		

ercentages are column percentages unless otherwise noted and may not total 100 due to roundin ^ 10 year increments

In a separate model among women with HIV only, SU treatment utilization in the past year was **not** associated with any HIV care continuum outcomes.

Conclusions

In the WIHS cohort, SU treatment utilization was high, especially for methadone use, reflecting the resilience of a population of older, Black women known to face stigma and barriers to treatment.

Our analysis highlights opportunities for optimizing SU treatment in the context of HIV care for women, such as the need to prioritize buprenorphine and comprehensive, wraparound services in HIV care settings.

ACKNOWLEDGEMENTS

We sincerely thank the WIHS participants who contributed time and data to this study. We would also like to

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