

Adherence to antiretroviral therapy in people living with HIV with moderate or severe mental disorder

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Supplementary Table S1. Viral load according to clinical–epidemiological data

	Viral load (copies/mL)		<i>p</i> –value*	OR (95% CI)
	Undetectable (%)	Higher than 40 (%)		
Age				
Mean (SD)	39.7 (12.3)	41.6 (12.4)	0.702	1.01 (0.97–1.06)
Median (IQR)	40.0 (29.8–48.5)	41.0 (33.0–50.0)		
Sex				
Female	13 (65.0)	7 (35.0)	1.000	Reference
Male	31 (66.0)	16 (34.0)		0.96 (0.32–2.99)
Race or skin color				
White	16 (66.7)	8 (33.3)	0.712	Reference
Black	3 (50.0)	3 (50.0)		2.00 (0.31–13.13)
Yellow	5 (83.3)	1 (16.7)		0.40 (0.02–3.07)
Brown	19 (67.9)	9 (32.1)		0.95 (0.29–3.07)
Educational level				
Elementary school	12 (57.1)	9 (42.9)	0.565	-
High school	3 (60.0)	2 (40.0)		-
Higher education	6 (60.0)	4 (40.0)		-
Illiterate	0 (0.0)	2 (100.0)		-

Regular follow-up at CAPS				
No	26 (63.4)	15 (36.6)	0.793	Reference
Yes	18 (69.2)	8 (30.8)		0.77 (0.26–2.17)
Homeless				
No	37 (72.5)	14 (27.5)	0.067	Reference
Yes	7 (43.8)	9 (56.2)		3.40 (1.07–11.28)
Abuse of alcohol				
No	24 (70.6)	10 (29.4)	0.447	Reference
Yes	20 (60.6)	13 (39.4)		1.56 (0.57–4.39)
Use of drugs				
No	25 (67.6)	12 (32.4)	0.798	Reference
Yes	19 (63.3)	11 (36.7)		1.21 (0.43–3.34)
Regular follow-up in the specialized outpatient infectious disease facility				
No	14 (40.0)	21 (60.0)	<0.001	-
Yes	28 (100.0)	0 (0.0)		-
Suicidal ideation				
No	26 (57.8)	19 (42.2)	0.061	Reference
Yes	18 (81.8)	4 (18.2)		0.30 (0.08–0.97)
Service regimen at RAPS				
Shelter	3 (42.9)	4 (57.1)	0.236	Reference
Outpatient	21 (75.0)	7 (25.0)		0.25 (0.04–1.39)
Shelter and outpatient	20 (62.5)	12 (37.5)		0.45 (0.08–2.37)
Mental disorder				
Anxiety	6 (75.0)	2 (25.0)	0.552	Reference
Mood	9 (81.8)	2 (18.2)		0.67 (0.06–6.84)
Related to substance use	23 (62.2)	14 (37.8)		1.83 (0.36–13.66)
Others	6 (54.5)	5 (45.5)		2.50 (0.37–22.74)
ICD-10 categories for mental disorders				

F00–F09	2 (66.7)	1 (33.3)	0.606	-
F10–F19	23 (62.2)	14 (37.8)		-
F20–F29	3 (50.0)	3 (50.0)		-
F30–F39	9 (81.8)	2 (18.2)		-
F40–F48	6 (75.0)	2 (25.0)		-
F60–F69	1 (100.0)	0 (0.0)		-
F70–F79	0 (0.0)	1 (100.0)		-
Co-infection				
No	27 (69.2)	12 (30.8)	0.603	Reference
Yes	17 (60.7)	11 (39.3)		1.46 (0.52–4.07)
Adherence to ART				
No	10 (100.0)	0 (0.0)	0.026	-
Yes	33 (64.7)	18 (35.3)		-

Data source: Laboratory Test Control System of the National Network for CD4+/CD8+ Lymphocyte Counting and data obtained by reviewing outpatient and hospital charts of follow-up services.

*Fisher's exact test.

OR: Odds Ratio; 95% CI: 95% Confidence Interval; SD: Standard Deviation; IQR: Interquantile Range; CAPS: Psychosocial Care Centers; RAPS: Psychosocial Care Network; ICD–10: 10th edition of the International Classification of Diseases (ICD–10).

Supplementary Table S2. CD4+ cells count according to clinical–epidemiological data

	CD4+ cells count (cells/mm ³)				<i>p</i> –value*	OR (95% CI)
	Less than 200 (%)	201 to 350 (%)	350 to 500 (%)	Higher than 500 (%)		
Age						
Mean (SD)	42.5(8.6)	40.8 (16.0)	41.0 (11.0)	39.4 (12.6)	0.850	0.98 (0.93–1.04)
Median (IQR)	42.0 (38.0–46.5)	38.5 (29.5–42.8)	40.5 (32.5–50.0)	41.0 (28.0–48.0)		
Sex						
Female	4 (20.0)	3 (15.0)	2 (10.0)	11 (55.0)	0.915	Reference
Male	7 (14.6)	7 (14.6)	8 (16.7)	26 (54.2)		1.46 (0.35–5.56)
Race or skin color						
White	4 (16.0)	5 (20.0)	7 (28.0)	9 (36.0)	0.292	-
Black	0 (0.0)	2 (33.3)	0 (0.0)	4 (66.7)		-
Yellow	1 (16.7)	0 (0.0)	0 (0.0)	5 (83.3)		-
Brown	5 (17.9)	3 (10.7)	3 (10.7)	17 (60.7)		-
Educational level						
Elementary school	1 (4.8)	2 (9.5)	5 (23.8)	13 (61.9)	0.072	-
High school	2 (40.0)	0 (0.0)	1 (20.0)	2 (40.0)		-
Higher education	4 (40.0)	0 (0.0)	1 (10.0)	5 (50.0)		-
Illiterate	1 (50.0)	1 (50.0)	0 (0.0)	0 (0.0)		-
Regular follow–up at CAPS						
No	8 (19.5)	8 (19.5)	4 (9.8)	21 (51.2)	0.268	Reference
Yes	3 (11.1)	2 (7.4)	6 (22.2)	16 (59.3)		1.94 (0.50–9.56)
Homeless						
No	9 (17.3)	7 (13.5)	8 (15.4)	28 (53.8)	0.945	Reference
Yes	2 (12.5)	3 (18.8)	2 (12.5)	9 (56.2)		1.47 (0.33–10.36)
Abuse of alcohol						

No	6 (17.1)	3 (8.6)	7 (20.0)	19 (54.3)	0.376	Reference
Yes	5 (15.2)	7 (21.2)	3 (9.1)	18 (54.5)		1.16 (0.31–4.43)
Use of drugs						
No	7 (18.4)	6 (15.8)	6 (15.8)	19 (50.0)	0.870	Reference
Yes	4 (13.3)	4 (13.3)	4 (13.3)	18 (60.0)		1.47 (0.40–6.12)
Regular follow-up in the specialized outpatient infectious disease facility						
No	9 (25.0)	9 (25.0)	5 (13.9)	5 (13.9)	0.009	Reference
Yes	2 (7.1)	1 (3.6)	5 (17.9)	20 (71.4)		4.33 (1.00–30.23)
Suicidal ideation						
No	10 (22.2)	7 (15.6)	7 (15.6)	21 (46.7)	0.208	Reference
Yes	1 (4.3)	3 (13.0)	3 (13.0)	16 (69.6)		6.29 (1.09–119.40)
Service regimen at RAPS						
Shelter	1 (14.3)	2 (28.6)	0 (0.0)	4 (57.1)	0.692	Reference
Outpatient	4 (13.8)	5 (17.2)	6 (20.7)	14 (48.3)		1.04 (0.05–8.85)
Shelter and outpatient	6 (18.8)	3 (9.4)	4 (12.5)	19 (59.4)		0.72 (0.03–5.46)
Mental disorder						
Anxiety	0 (0.0)	1 (12.5)	2 (25.0)	5 (62.5)	0.0071	-
Mood	0 (0.0)	2 (16.7)	3 (25.0)	7 (58.3)		-
Related to substance use	5 (13.5)	6 (16.2)	5 (13.5)	21 (56.8)		-
Others	6 (54.5)	1 (9.1)	0 (0.0)	4 (36.4)		-
ICD–10 categories for mental disorders						
F00–F09	2 (66.7)	0 (0.0)	0 (0.0)	1 (33.3)	0.236	-
F10–F19	5 (13.5)	6 (16.2)	5 (13.5)	21 (56.8)		-
F20–F29	3 (50.0)	1 (16.7)	0 (0.0)	2 (33.3)		-
F30–F39	0 (0.0)	2 (16.7)	3 (25.0)	7 (58.3)		-
F40–F48	0 (0.0)	1 (12.5)	2 (25.0)	5 (62.5)		-

F60–F69	0 (0.0)	0 (0.0)	0 (0.0)	1 (100.0)		-
F70–F79	1 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)		-
Co-infection						
No	2 (5.1)	6 (15.4)	4 (10.3)	27 (69.2)	0.007	Reference
Yes	9 (31.0)	4 (13.8)	6 (20.7)	10 (34.5)		0.12 (0.02–0.52)
Adherence to ART						
No	0 (0.0)	0 (0.0)	2 (20.0)	8 (80.0)	0.208	-
Yes	10 (19.6)	8 (15.7)	8 (15.7)	25 (49.0)		-

Data source: Laboratory Test Control System of the National Network for CD4+/CD8+ Lymphocyte Counting and data obtained by reviewing outpatient and hospital charts of follow-up services.

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OR: Odds Ratio; 95% CI: 95% Confidence Interval; SD: Standard Deviation; IQR: Interquartile Range; CAPS: Psychosocial Care Centers; RAPS: Psychosocial Care Network; ICD–10: 10th edition of the International Classification of Diseases (ICD–10).