

**Supplementary Table 1** Sociodemographic and health-related characteristics of PWH obtained from PROs by study site (SMH vs MSCC)

Variable	Category	SMH (N=600)		MSCC (N=1032)	
		Respondents, n (%) <sup>a</sup>	PWH with characteristic, n (%) <sup>b</sup>	Respondents, n (%) <sup>a</sup>	PWH with characteristic, n (%) <sup>b</sup>
ART adherence	≥95%	534 (89)	429 (80)	705 (68)	542 (77)
	<95%		105 (20)		163 (23)
	≥80%		501 (94)		632 (90)
	<80%		33 (6)		73 (10)
HATQoL burden item <sup>c</sup>	Satisfied	555 (93)	432 (78)	972 (94)	823 (85)
	Dissatisfied		123 (22)		149 (15)
HATQoL normal life item <sup>d</sup>	Satisfied	572 (95)	475 (83)	983 (95)	837 (85)
	Dissatisfied		97 (17)		146 (15)
Combined HATQoL items	Satisfied	583 (97)	430 (74)	997 (97)	796 (80)
	Dissatisfied		153 (26)		201 (20)
	Yes	566 (94)	368 (65)	973 (94)	610 (63)

Difficulty meeting housing costs	No		198 (35)		363 (37)
Depression	Moderate/Severe	563 (94)	102 (18)	970 (94)	196 (20)
	Mild/None		461 (82)		774 (80)
Intimate partner violence	Yes	546 (91)	52 (10)	749 (73)	68 (9)
	No		494 (90)		681 (91)
Risk of malnutrition	Yes	591 (99)	112 (19)	1017 (99)	253 (25)
	No		479 (81)		764 (75)
Current smoker	Yes	598 (>99)	116 (19)	533 (52)	268 (50)
	No		482 (81)		265 (50)
Alcohol use	High risk	595 (99)	122 (21)	1025 (99)	189 (18)
	Low risk		473 (79)		836 (82)
Substance use (past 3 months)	Yes	325 (54)	244 (75)	663 (64)	371 (56)
	No		81 (25)		292 (44)

**Notes:** <sup>a</sup>Percentage of the total number of PWH included in the analysis at each site. <sup>b</sup>Percentage of respondents for each variable. <sup>c</sup>In the past 4 weeks, taking my [HIV] medicine has been a burden. <sup>d</sup>In the past 4 weeks, taking my [HIV] medicine has made it hard to live a normal life.

**Abbreviations:** ART, antiretroviral therapy; HATQoL, HIV/AIDS-targeted quality of life; MSCC, Midway Specialty Care Center; PRO, patient-reported outcomes assessment; PWH, people with HIV; SMH, St Michael's Hospital.

**Supplementary Table 2** Unadjusted odds ratios for association with <95% and <80% adherence to ART among PWH by study site (SMH vs MSCC)

Variable	Category	SMH (N=534)				MSCC (N=705)			
		<95% adherence		<80% adherence		<95% adherence		<80% adherence	
		Unadjusted OR (95% CI)	<i>P</i> value <sup>a</sup>	Unadjusted OR (95% CI)	<i>P</i> value <sup>a</sup>	Unadjusted OR (95% CI)	<i>P</i> value <sup>a</sup>	Unadjusted OR (95% CI)	<i>P</i> value <sup>a</sup>
HATQoL burden item <sup>b</sup>	Dissatisfied (vs satisfied)	3.617 (2.239-5.842)	<b>&lt;0.0001</b>	4.523 (2.179-9.389)	<b>&lt;0.0001</b>	5.382 (3.470-8.348)	<b>&lt;0.0001</b>	6.450 (3.823-10.881)	<b>&lt;0.0001</b>
HATQoL normal life item <sup>c</sup>	Dissatisfied (vs satisfied)	2.941 (1.757-4.925)	<b>&lt;0.0001</b>	4.276 (2.019-9.057)	<b>0.0001</b>	2.462 (1.553-3.905)	<b>0.0001</b>	3.570 (2.055-6.201)	<b>&lt;0.0001</b>
Combined HATQoL items	Dissatisfied (vs satisfied)	3.170 (2.009-5.002)	<b>&lt;0.0001</b>	3.972 (1.922-8.206)	<b>0.0002</b>	3.724 (2.496-5.556)	<b>&lt;0.0001</b>	4.842 (2.919-8.032)	<b>&lt;0.0001</b>
Difficulty meeting housing costs	No (vs yes)	0.418 (0.248-0.704)	<b>0.0010</b>	0.401 (0.161-0.996)	<b>0.0490</b>	0.884 (0.605-1.292)	0.5240	0.902 (0.531-1.531)	0.7028
Depression	Mild/None (vs moderate/severe)	0.408 (0.244-0.681)	<b>0.0006</b>	0.604 (0.261-1.397)	0.2388	0.672 (0.439-1.028)	0.0668	0.672 (0.378-1.196)	0.1765

Intimate partner violence	No (vs yes)	0.486 (0.247-0.955)	<b>0.0363</b>	0.350 (0.135-0.911)	<b>0.0315</b>	0.812 (0.426-1.546)	0.5254	0.865 (0.353-2.120)	0.7509
Risk of malnutrition	No (vs yes)	0.466 (0.280-0.776)	<b>0.0034</b>	0.424 (0.193-0.930)	<b>0.0322</b>	0.680 (0.456-1.013)	0.0579	0.763 (0.441-1.320)	0.3337
Current smoker	No (vs yes)	0.845 (0.502-1.423)	0.5261	1.858 (0.639-5.405)	0.2555	0.638 (0.399-1.022)	0.0618	0.356 (0.171-0.740)	<b>0.0057</b>
Alcohol use	Low risk (vs high risk)	1.135 (0.662-1.947)	0.6456	0.966 (0.408-2.287)	0.9369	1.338 (0.831-2.155)	0.2304	1.501 (0.748-3.010)	0.2531
Substance use (past 3 months)	No (vs yes)	1.082 (0.542-2.163)	0.8227	0.934 (0.250-3.487)	0.9189	1.024 (0.664-1.580)	0.9128	0.919 (0.477-1.769)	0.8007

**Notes:** <sup>a</sup>Bold values denote *P* values <0.05. <sup>b</sup>In the past 4 weeks, taking my [HIV] medicine has been a burden. <sup>c</sup>In the past 4 weeks, taking my [HIV] medicine has made it hard to live a normal life.

**Abbreviations:** ART, antiretroviral therapy; CI, confidence interval; HATQoL, HIV/AIDS-targeted quality of life; MSCC, Midway Specialty Care Center; OR, odds ratio; PWH, people with HIV; SMH, St Michael's Hospital.

**Supplementary Table 3** Adjusted odds ratios from multivariate logistic regression models for association with <95% adherence to ART among PWH by study site (SMH vs MSCC)

Variable	Category	SMH				MSCC			
		Before multiple imputation <sup>a</sup>		After multiple imputation <sup>b</sup>		Before multiple imputation <sup>c</sup>		After multiple imputation <sup>d</sup>	
		Adjusted OR (95% CI)	<i>P</i> value <sup>e</sup>	Adjusted OR (95% CI)	<i>P</i> value <sup>e</sup>	Adjusted OR (95% CI)	<i>P</i> value <sup>e</sup>	Adjusted OR (95% CI)	<i>P</i> value <sup>e</sup>
Model 1: HATQoL burden item									
HATQoL burden item <sup>f</sup>	Dissatisfied (vs satisfied)	2.546 (1.406-4.610)	<b>0.0020</b>	2.685 (1.602-4.501)	<b>0.0002</b>	4.986 (3.127-7.950)	<b>&lt;0.0001</b>	5.150 (3.299-8.040)	<b>&lt;0.0001</b>
Difficulty meeting housing costs	No (vs yes)	0.577 (0.314-1.060)	0.0765	0.550 (0.320-0.947)	<b>0.0312</b>	—	—	—	—
Depression	Mild/None (vs moderate/severe)	0.787 (0.417-1.487)	0.4610	0.703 (0.392-1.260)	0.2365	0.900 (0.563-1.438)	0.6595	0.870 (0.546-1.385)	0.5572
Intimate partner violence	No (vs yes)	0.570 (0.265-1.226)	0.1503	0.620 (0.303-1.271)	0.1917	—	—	—	—

Risk of malnutrition	No (vs yes)	0.594 (0.320-1.104)	0.0995	0.612 (0.354-1.060)	0.0795	0.816 (0.516-1.292)	0.3860	0.827 (0.535-1.280)	0.3950
Model 2: HATQoL normal life item									
HATQoL normal life item <sup>9</sup>	Dissatisfied (vs satisfied)	1.795 (0.926-3.477)	0.0830	2.000 (1.145-3.496)	<b>0.0149</b>	2.314 (1.411-3.793)	<b>0.0009</b>	2.399 (1.497-3.846)	<b>0.0003</b>
Difficulty meeting housing costs	No (vs yes)	0.592 (0.327-1.071)	0.0832	0.534 (0.311-0.915)	<b>0.0225</b>	—	—	—	—
Depression	Mild/None (vs moderate/severe)	0.598 (0.326-1.098)	0.0970	0.626 (0.354-1.109)	0.1081	0.830 (0.525-1.310)	0.4234	0.840 (0.535-1.321)	0.4514
Intimate partner violence	No (vs yes)	0.675 (0.318-1.432)	0.3062	0.691 (0.342-1.396)	0.3028	—	—	—	—
Risk of malnutrition	No (vs yes)	0.633 (0.344-1.167)	0.1432	0.603 (0.350-1.039)	0.0684	0.787 (0.505-1.224)	0.2875	0.783 (0.515-1.190)	0.2513
Model 3: Combined HATQoL items									
Combined HATQoL items	Dissatisfied (vs satisfied)	2.271 (1.293-3.990)	<b>0.0043</b>	2.453 (1.500-4.010)	<b>0.0003</b>	3.419 (2.229-5.245)	<b>&lt;0.0001</b>	3.564 (2.362-5.377)	<b>&lt;0.0001</b>

Difficulty meeting housing costs	No (vs yes)	0.607 (0.335-1.101)	0.1001	0.555 (0.322-0.955)	<b>0.0336</b>	—	—	—	—
Depression	Mild/None (vs moderate/severe)	0.650 (0.352-1.198)	0.1670	0.678 (0.381-1.206)	0.1857	0.902 (0.568-1.431)	0.6602	0.919 (0.578-1.460)	0.7208
Intimate partner violence	No (vs yes)	0.665 (0.311-1.420)	0.2915	0.674 (0.331-1.374)	0.2778	—	—	—	—
Risk of malnutrition	No (vs yes)	0.650 (0.352-1.202)	0.1697	0.612 (0.355-1.057)	0.0781	0.813 (0.518-1.275)	0.3665	0.802 (0.523-1.230)	0.3110

**Notes:** <sup>a</sup>N=441, N=444, and N=448 in models 1, 2, and 3, respectively. <sup>b</sup>N=534 in each model. <sup>c</sup>N=656, N=656, and N=662 in models 1, 2, and 3, respectively. <sup>d</sup>N=705 in each model. <sup>e</sup>Bold values denote *P* values <0.05. <sup>f</sup>In the past 4 weeks, taking my [HIV] medicine has been a burden. <sup>g</sup>In the past 4 weeks, taking my [HIV] medicine has made it hard to live a normal life.

**Abbreviations:** ART, antiretroviral therapy; CI, confidence interval; HATQoL, HIV/AIDS-targeted quality of life; MSCC, Midway Specialty Care Center; OR, odds ratio; PWH, people with HIV; SMH, St Michael's Hospital.



**Supplementary Table 4** Adjusted odds ratios from multivariate logistic regression models for association with <80% adherence to ART among PWH (SMH)<sup>a</sup>

Variable	Category	Before multiple imputation <sup>b</sup>		After multiple imputation <sup>c</sup>	
		Adjusted OR (95% CI)	<i>P</i> value <sup>d</sup>	Adjusted OR (95% CI)	<i>P</i> value <sup>d</sup>
Model 1: HATQoL burden item					
HATQoL burden item <sup>e</sup>	Dissatisfied (vs satisfied)	2.401 (1.002-5.752)	<b>0.0494</b>	3.518 (1.645-7.524)	<b>0.0012</b>
Difficulty meeting housing costs	No (vs yes)	0.570 (0.204-1.596)	0.2847	0.573 (0.223-1.473)	0.2476
Intimate partner violence	No (vs yes)	0.468 (0.159-1.373)	0.1667	0.491 (0.180-1.343)	0.1659
Risk of malnutrition	No (vs yes)	0.517 (0.206-1.296)	0.1595	0.559 (0.246-1.273)	0.1662
Model 2: HATQoL normal life item					
HATQoL normal life item <sup>f</sup>	Dissatisfied (vs satisfied)	2.297 (0.901-5.856)	0.0814	3.136 (1.409-6.976)	<b>0.0051</b>
Difficulty meeting housing costs	No (vs yes)	0.557 (0.199-1.560)	0.2651	0.559 (0.217-1.440)	0.2285
Intimate partner violence	No (vs yes)	0.524 (0.179-1.532)	0.2380	0.551 (0.204-1.491)	0.2404
Risk of malnutrition	No (vs yes)	0.525 (0.210-1.311)	0.1673	0.550 (0.244-1.242)	0.1503

Model 3: Combined HATQoL items					
Combined HATQoL items	Dissatisfied (vs satisfied)	2.181 (0.924-5.147)	0.0752	3.038 (1.418-6.509)	<b>0.0043</b>
Difficulty meeting housing costs	No (vs yes)	0.552 (0.198-1.544)	0.2577	0.567 (0.220-1.458)	0.2387
Intimate partner violence	No (vs yes)	0.506 (0.173-1.481)	0.2139	0.529 (0.196-1.432)	0.2102
Risk of malnutrition	No (vs yes)	0.523 (0.209-1.307)	0.1652	0.544 (0.242-1.224)	0.1413

**Notes:** <sup>a</sup>Results from multivariate logistic regression were not available at the MSCC site because HATQoL factors were the only variables with unadjusted *P* values <0.15. <sup>b</sup>N=458, N=461, and N=467 in models 1, 2, and 3, respectively. <sup>c</sup>N=534 in each model. <sup>d</sup>Bold values denote *P* values <0.05. <sup>e</sup>In the past 4 weeks, taking my [HIV] medicine has been a burden. <sup>f</sup>In the past 4 weeks, taking my [HIV] medicine has made it hard to live a normal life.

**Abbreviations:** ART, antiretroviral therapy; CI, confidence interval; HATQoL, HIV/AIDS-targeted quality of life; MSCC, Midway Specialty Care Center; OR, odds ratio; PWH, people with HIV; SMH, St Michael's Hospital.

**Supplementary Table 5** Adjusted odds ratios from multivariate stepwise selection logistic regression models for association with <95% adherence to ART among PWH (SMH)<sup>a</sup>

Variable	Category	Before multiple imputation <sup>b</sup>		After multiple imputation <sup>c</sup>	
		Adjusted OR (95% CI)	<i>P</i> value <sup>d</sup>	Adjusted OR (95% CI)	<i>P</i> value <sup>d</sup>
Model 1: HATQoL burden item					
HATQoL burden item <sup>e</sup>	Dissatisfied (vs satisfied)	3.468 (2.084-5.772)	<b>&lt;0.0001</b>	3.105 (1.912-5.043)	<b>&lt;0.0001</b>
Difficulty meeting housing costs	No (vs yes)	0.513 (0.296-0.889)	<b>0.0174</b>	0.503 (0.296-0.856)	<b>0.0112</b>
Model 2: HATQoL normal life item					
HATQoL normal life item <sup>f</sup>	Dissatisfied (vs satisfied)	2.272 (1.288-4.007)	<b>0.0046</b>	2.279 (1.332-3.897)	<b>0.0026</b>
Difficulty meeting housing costs	No (vs yes)	0.505 (0.295-0.864)	<b>0.0128</b>	0.491 (0.289-0.836)	<b>0.0087</b>
Risk of malnutrition	No (vs yes)	0.541 (0.310-0.943)	<b>0.0301</b>	0.544 (0.321-0.924)	<b>0.0242</b>
Model 3: Combined HATQoL items					
Combined HATQoL items	Dissatisfied (vs satisfied)	3.051 (1.882-4.947)	<b>&lt;0.0001</b>	2.882 (1.809-4.591)	<b>&lt;0.0001</b>

Difficulty meeting housing costs	No (vs yes)	0.516 (0.301-0.884)	<b>0.0160</b>	0.508 (0.299-0.864)	<b>0.0124</b>
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**Notes:** <sup>a</sup>Results from multivariate stepwise selection logistic regression were not available at the MSCC site because HATQoL factors were the only variables remaining after stepwise selection. <sup>b</sup>N=495, N=495, and N=508 in models 1, 2, and 3, respectively. <sup>c</sup>N=534 in each model. <sup>d</sup>Bold values denote *P* values <0.05. <sup>e</sup>In the past 4 weeks, taking my [HIV] medicine has been a burden. <sup>f</sup>In the past 4 weeks, taking my [HIV] medicine has made it hard to live a normal life.

**Abbreviations:** ART, antiretroviral therapy; CI, confidence interval; HATQoL, HIV/AIDS-targeted quality of life; MSCC, Midway Specialty Care Center; OR, odds ratio; PWH, people with HIV; SMH, St Michael's Hospital.