

TABLE ONE AND PLOTS

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[1] 2839 79

Characteristic	Viraemia Post Covid-19 (n, %)		PRR	95% CI
	No (N = 2,650)	Yes (N = 135)		
Any ART Disruption post-covid	347 (93%)	28 (7.5%)	1.68	(1.09, 2.51)
Any ART Disruption pre-covid	115 (91%)	11 (8.7%)	1.87	(0.95, 3.31)
Sex				
Female	1,714 (96%)	66 (3.7%)	—	—
Male	936 (93%)	69 (6.9%)	1.85	(1.32, 2.60)
Age group				
<30	390 (90%)	44 (10%)	—	—
30-39	1,136 (94%)	67 (5.6%)	0.55	(0.38, 0.81)
40-49	1,124 (98%)	24 (2.1%)	0.21	(0.12, 0.34)
Migration				
In-migrant	596 (95%)	34 (5.4%)	—	—
Long-term resident	2,054 (95%)	101 (4.7%)	0.87	(0.60, 1.30)
Community type				
Inland Community	1,212 (96%)	48 (3.8%)	—	—
Fishing community	87 (5.7%)	1438 (94.3%)	1.50	(1.06, 2.15)

Characteristic	Viraemia After COVID	
	No N = 2,650 ^I	Yes N = 135 ^I
Any ART Disruption post-covid	347 (93%)	28 (7.5%)
Any ART Disruption pre-covid	115 (91%)	11 (8.7%)
Sex		
<i>Female</i>	1,714 (96%)	66 (3.7%)
<i>Male</i>	936 (93%)	69 (6.9%)
Age group		
<30	390 (90%)	44 (10%)
30-39	1,136 (94%)	67 (5.6%)
40-49	1,124 (98%)	24 (2.1%)
Migration		
<i>In-migrant</i>	596 (95%)	34 (5.4%)
<i>Long-term resident</i>	2,054 (95%)	101 (4.7%)
Community type		
<i>Inland Community</i>	1,212 (96%)	48 (3.8%)
<i>Fishing community</i>	1,438 (94%)	87 (5.7%)
Time on ART		
<2 years	160 (95%)	8 (4.8%)
2-5 years	810 (93%)	57 (6.6%)
>5 years	1,680 (96%)	70 (4.0%)

^I_n (%)

Characteristic	N	PRR ¹	95% CI ¹
Any ART Disruption post-covid	2,785		
<i>No</i>		—	—
<i>Yes</i>		1.68	1.09, 2.51
Sex	2,785		
<i>Female</i>		—	—
<i>Male</i>		1.85	1.32, 2.60
Age group	2,785		
<i><30</i>		—	—
<i>30-39</i>		0.55	0.38, 0.81
<i>40-49</i>		0.21	0.12, 0.34
Migration	2,785		
<i>In-migrant</i>		—	—
<i>Long-term resident</i>		0.87	0.60, 1.30
Community type	2,785		
<i>Inland Community</i>		—	—
<i>Fishing community</i>		1.50	1.06, 2.15
Time on ART	2,785		
<i><2 years</i>		—	—
<i>2-5 years</i>		1.38	0.70, 3.13
<i>>5 years</i>		0.84	0.43, 1.89
Any ART Disruption pre-covid	2,785		
<i>No</i>		—	—
<i>Yes</i>		1.87	0.95, 3.31

¹IRR = Incidence Rate Ratio, CI = Confidence Interval

Characteristic	Viraemia After COVID		Prevalence Risk Ratios		
	No N = 2,650 ¹	Yes N = 135 ¹	N	PRR ²	95% CI ²
Any ART Disruption post-covid	347 (93%)	28 (7.5%)	2,785		
<i>No</i>				—	—
<i>Yes</i>				1.68	1.09, 2.51
Any ART Disruption pre-covid	115 (91%)	11 (8.7%)	2,785		
<i>No</i>				—	—
<i>Yes</i>				1.87	0.95, 3.31
Sex			2,785		
<i>Female</i>	1,714 (96%)	66 (3.7%)		—	—
<i>Male</i>	936 (93%)	69 (6.9%)		1.85	1.32, 2.60
Age group			2,785		
<i><30</i>	390 (90%)	44 (10%)		—	—
<i>30-39</i>	1,136 (94%)	67 (5.6%)		0.55	0.38, 0.81
<i>40-49</i>	1,124 (98%)	24 (2.1%)		0.21	0.12, 0.34
Migration			2,785		
<i>In-migrant</i>	596 (95%)	34 (5.4%)		—	—
<i>Long-term resident</i>	2,054 (95%)	101 (4.7%)		0.87	0.60, 1.30
Community type			2,785		
<i>Inland Community</i>	1,212 (96%)	48 (3.8%)		—	—
<i>Fishing community</i>	1,438 (94%)	87 (5.7%)		1.50	1.06, 2.15
Time on ART			2,785		
<i><2 years</i>	160 (95%)	8 (4.8%)		—	—
<i>2-5 years</i>	810 (93%)	57 (6.6%)		1.38	0.70, 3.13
<i>>5 years</i>	1,680 (96%)	70 (4.0%)		0.84	0.43, 1.89

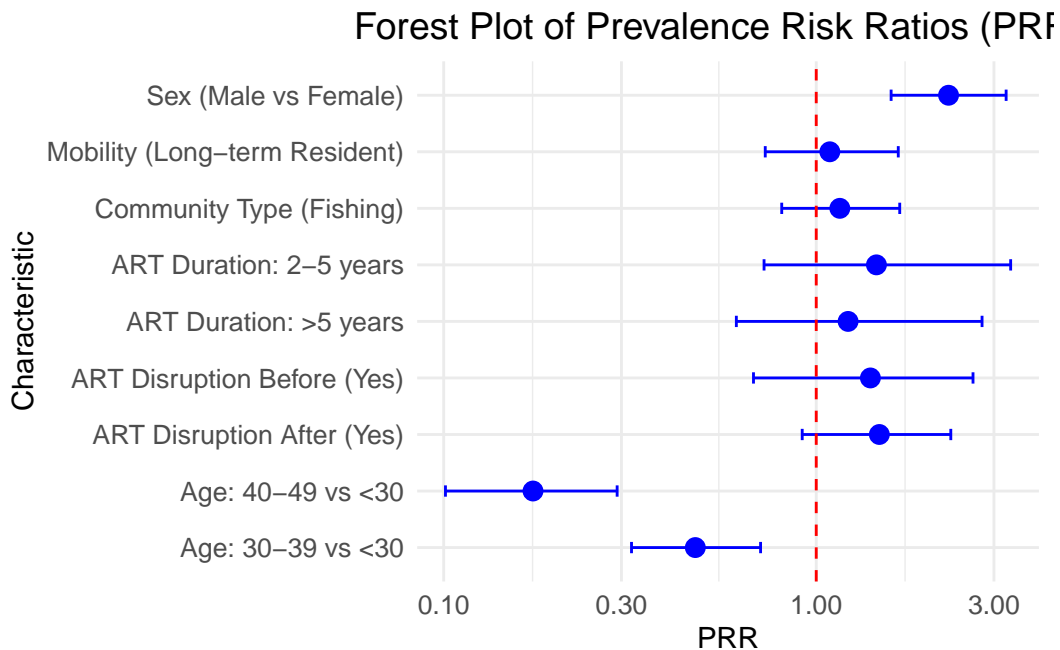
¹n (%)

²IRR = Incidence Rate Ratio, CI = Confidence Interval

Adjusted Prevalence ratios

term	estimate	std.error	statistic	p.value	conf.low	conf.high
(Intercept)	0.0491133	0.3960171	-	0.0000000	0.0209455	0.1006322
			7.6098368			
art_disruption_afterYes	1.4772637	0.2336166	1.6702215	0.0948756	0.9170111	2.2973503
art_disruption_b4Yes	1.3979012	0.3431297	0.9762256	0.3289527	0.6785373	2.6356719
sexMale	2.2657061	0.1809734	4.5193734	0.0000062	1.5887687	3.2340908
age_cat30-39	0.4736388	0.2029918	-	0.0002319	0.3192814	0.7090184
			3.6814811			
age_cat40-49	0.1736700	0.2695405	-	0.0000000	0.1010904	0.2921329
			6.4947518			
mobilityLong-term resident	1.0877313	0.2091751	0.4020273	0.6876639	0.7297095	1.6605676
community_typeFishing community	1.1570889	0.1856366	0.7859836	0.4318771	0.8079466	1.6756067
art_duration2-5 years	1.4508306	0.3837690	0.9696881	0.3322020	0.7243206	3.3263437
art_duration>5 years	1.2176168	0.3824050	0.5148873	0.6066318	0.6103776	2.7867867

Forest Plot



Characteristic	Adjusted PRR ¹	95% CI ¹
Any ART Disruption post-covid		
<i>No</i>	—	—
<i>Yes</i>	1.48	0.92, 2.30
Any ART Disruption pre-covid		
<i>No</i>	—	—
<i>Yes</i>	1.40	0.68, 2.64
Sex		
<i>Female</i>	—	—
<i>Male</i>	2.27	1.59, 3.23
Age group		
<i><30</i>	—	—
<i>30-39</i>	0.47	0.32, 0.71
<i>40-49</i>	0.17	0.10, 0.29
Migration		
<i>In-migrant</i>	—	—
<i>Long-term resident</i>	1.09	0.73, 1.66
Community type		
<i>Inland Community</i>	—	—
<i>Fishing community</i>	1.16	0.81, 1.68
Time on ART		
<i><2 years</i>	—	—
<i>2-5 years</i>	1.45	0.72, 3.33
<i>>5 years</i>	1.22	0.61, 2.79

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<i>No</i>				—	—
<i>Yes</i>				1.87	0.95, 3.31
Sex			2,785		
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